

**BEFORE THE NORTH CAROLINA UTILITIES COMMISSION**

**DOCKET NO. E-2, SUB 1219**

**In the Matter of:**

In the Matter of: )  
)  
)  
Application of Duke Energy Progress, LLC )  
For Adjustment of Rates and Charges Applicable )  
to Electric Service in North Carolina )  
)  
)  
**APPLICATION TO ADJUST  
RETAIL RATES, REQUEST FOR  
AN ACCOUNTING ORDER AND  
TO CONSOLIDATE DOCKETS**

Item No. 1

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

☐ CONFIDENTIAL☒ NOT CONFIDENTIAL**Request:**

Provide in comparative form, a total company income statement, a statement of changes in financial position, and a balance sheet for the test year and the twelve-month period immediately preceding the test year.

**Response:**

See attached "DEP Rate Case E1-1 Financial Statements."



DEP Rate Case E1-1  
Financial Statements.x>



DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 1  
Balance Sheet

Title of Account (a)	December 31, 2018	December 31, 2017
<b>UTILITY PLANT</b>		
Utility Plant (101-106,114)	29,287,780,541	27,640,413,426
Construction Work in Progress (107)	1,665,669,162	1,422,282,356
Total Utility Plant	30,953,449,703	29,062,695,782
(Less) Accum. Prov. for Depr. Amort. Depl. (108, 110, 111, 115)	12,297,905,722	11,818,924,780
Net Utility and Plant	18,655,543,981	17,243,771,002
Nuclear Fuel in Process of Ref., Conv., Enrich., and Fab (120.1)	325,126,686	372,875,189
Nuclear Materials and Assemblies - Stock Account (120.2)	0	0
Nuclear Fuel Assemblies in Reactor (120.3)	819,511,288	842,377,497
Spent Nuclear Fuel (120.4)	417,494,987	344,303,937
(Less) Accum. Provision for Amort. of Nuclear Fuel Assemblies (120.5)	860,218,709	830,851,022
Net Nuclear Fuel	701,914,252	728,705,601
Total Net Utility Plant	19,357,458,233	17,972,476,603
Utility Plant Adjustments (116)	0	0
Gas Stored Underground - Noncurrent (117)	0	0
<b>OTHER PROPERTY &amp; INVESTMENTS</b>		
Non Utility Property (121)	37,914,817	36,739,137
(Less) Accum. Prov. for Depr. and Amort. (122)	16,451,815	12,137,682
Investment in Subsidiary Companies (123.1)	27,726,543	20,150,772
Noncurrent Portion of Allowances	0	0
Other Investments (124)	42,286,541	41,622,284
Other Special Funds (128)	2,776,861,603	2,872,581,764
Long Term Portion of Derivative Instrument Assets (175)	0	0
Long Term Portion of Derivative Assets - Hedges (176)	449,408	551,380
<b>Total Other Property and Investments</b>	<b>2,868,787,097</b>	<b>2,959,507,655</b>
<b>CURRENT AND ACCRUED ASSETS</b>		
Cash (131)	(2,531,695)	16,603,425
Special Deposits (132-134)	0	0
Working Funds (135)	0	0
Temporary Cash Investments (136)	0	0
Notes Receivable (141)	0	0
Customer Accounts Receivable (142)	432,169,365	344,026,988
Other Accounts Receivable (143)	68,114,949	120,073,290
(Less) Accum. Prov. for Uncollectible Account - Credit (144)	7,357,981	6,458,355
Note Receivable from Associated Companies (145)	0	0
Accounts Receivable from Associated Companies (146)	110,020,232	57,088,400
Fuel Stock (151)	220,024,307	242,760,869
Plant Material and Operating Supplies (154)	700,609,217	739,132,797
Merchandise (155)	0	0
Other Materials and Supplies (156)	182,270	134,782
Allowances (158.1 and 158.2)	122,682,758	109,087,159
(Less) Non-current portion of Allowances	0	0
Store Expenses Undistributed (163)	33,384,627	35,393,695
Gas Stored Underground - Current (164.1)	0	0
Prepayments (165)	90,940,901	72,816,399
Interest and Dividends Receivable (171)	0	0
Rents Receivable (172)	94,136	326,380
Accrued Utility Revenue (173)	129,690,282	143,197,755
Miscellaneous Current and Accrued Assets (174)	10,148,021	563,130
Derivative Instrument Assets (175)	0	0

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**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

Item No. 1  
 Balance Sheet

<b>Title of Account (a)</b>	<b>December 31, 2018</b>	<b>December 31, 2017</b>
(Less) Long Term Portion of Derivative Instruments Assets	0	0
Derivative Instrument Assets Hedges (176)	761,715	2,172,282
(Less) Long Term Portion of Derivative Instruments Assets - Hedges	449,408	551,380
<b>Total Current and Accrued Assets</b>	<b>1,908,483,696</b>	<b>1,876,367,616</b>
<b>DEFERRED DEBITS</b>		
Unamortized Debt Expenses (181)	43,142,470	42,389,406
Extraordinary Property Losses (182.1)	0	0
Unrecovered Plant and Regulatory Study Costs (182.2)	153,655,703	183,051,153
Other Regulatory Assets (182.3)	4,265,025,648	3,419,931,113
Preliminary Survey and Investigation Charges (183)	8,201,316	5,025,345
Clearing Accounts (184)	6,938,847	5,088,642
Temporary Facilities (185)	0	0
Miscellaneous Deferred Debits (186)	544,504,452	394,301,626
Unamortized Loss on Required Debt (189)	4,579,195	5,609,529
Accumulated Deferred Income Taxes (190)	1,864,956,280	1,775,392,682
Unrecovered Purchased Gas Costs (191)	0	0
Total Deferred Debits	6,891,003,911	5,830,789,496
<b>Total Assets</b>	<b>31,025,732,937</b>	<b>28,639,141,370</b>
<b>PROPRIETARY CAPITAL</b>		
Common Stock Issued (201)	0	0
Preferred Stock Issued (204)	0	0
Premium on Capital Stock (207)	0	0
Other Paid In Capital (208-211)	2,784,376,572	2,784,376,571
(Less) Capital Stock Expense (214)	0	0
Retained Earnings (215, 215.1, 216)	5,933,703,999	5,449,057,894
Unappropriated Undistributed Subsidiary Earnings (216.1)	(277,197,059)	(284,587,146)
Required Capital Stock (217)	0	0
Accumulated Other Comprehensive Income (219)	(149,270)	(180,809)
<b>Total Proprietary Capital</b>	<b>8,440,734,242</b>	<b>7,948,666,510</b>
<b>LONG-TERM DEBT</b>		
Bonds (221)	7,623,485,000	6,823,485,000
Advances from Associated Companies (223)	150,000,000	150,000,000
Other Long Term Debt (224)	350,000,000	300,000,000
Unamortized Premium on LT Debt (225)	0	0
(Less) Unamortized Discount on LT Debt (226)	15,293,974	16,187,768
<b>Total Long Term Debt</b>	<b>8,108,191,026</b>	<b>7,257,297,232</b>
<b>OTHER NONCURRENT LIABILITIES</b>		
Obligations Under Capital Leases (227)	133,281,241	136,548,646
Accumulated Provision for Property Insurance (228.1)	0	0
Accumulated Provision for Injuries and Damages (228.2)	6,874,145	7,952,093
Accumulated Provision for Pensions and Benefits (228.3)	223,622,886	232,708,439
Accumulated Miscellaneous Operating Provisions (228.4)	17,201,995	18,257,902
Accumulated Provision for Rate Refund (229)	123,351,482	0
LT Portion of Derivative Instrument Liabilities	4,886,654	5,556,146
LT Portion of Derivative Instrument Liabilities - Hedges	3,728,239	3,397,097
Asset Retirement Obligations (230)	4,819,759,728	4,673,454,040
<b>Total Other NonCurrent Liabilities</b>	<b>5,332,706,370</b>	<b>5,077,874,363</b>
<b>CURRENT AND ACCRUED LIABILITIES</b>		
Notes Payable (231)	0	0
Accounts Payable (232)	723,822,837	404,314,214

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DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 1  
Balance Sheet

Title of Account (a)	December 31, 2018	December 31, 2017
Notes Payable to Associated Companies (233)	293,651,000	239,986,000
Accounts Payable to Associated Companies (234)	271,157,048	172,996,605
Customer Deposits (235)	137,270,708	129,255,428
Consolidated Taxes Accrued	59,278,673	71,459,237
Interest Accrued (237)	116,877,826	102,815,253
Dividends Declared (238)	0	0
Tax Collections Payable (241)	7,936,232	5,530,414
Miscellaneous Current and Accrued Liabilities (242)	227,936,822	207,717,863
Obligations Under Capital Leases - Current (243)	3,267,405	2,861,742
Derivative Instrument Liabilities (244)	16,120,103	6,119,276
(Less) LT Portion of Derivative Instrument Liabilities	4,886,654	5,556,146
Derivative Instrument Liabilities - Hedges (245)	6,466,582	10,073,679
(Less) LT Portion of Derivative Instrument Liabilities - Hedges	3,728,239	3,397,097
<b>Total Current and Accrued Liabilities</b>	<b>1,855,170,343</b>	<b>1,344,176,468</b>
<b>DEFERRED CREDITS</b>		
Customer Advances for Construction (252)	22,775,276	25,775,971
Accumulated Deferred Investment Tax Credits (255)	142,161,990	143,330,909
Other Deferred Credits (253)	19,844,812	25,789,789
Other Regulatory Liabilities (254)	3,120,844,123	3,158,363,633
Unamortized Gain on Required Debt (257)	0	0
Accumulated Deferred Income Taxes (281)	0	0
Accumulated Deferred Income Taxes On Property (282)	2,695,677,136	2,555,356,409
Accum Deferred Income Tax Other (283)	1,287,627,619	1,102,510,086
Total Deferred Credits	7,288,930,956	7,011,126,797
<b>Total Liabilities and Other Credit</b>	<b>31,025,732,937</b>	<b>28,639,141,370</b>

Note(s): Detail amounts may not add to totals shown due to rounding.



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 1**  
**Income Statement**

Title of Account	December 31, 2018	December 31, 2017
<b>UTILITY OPERATING INCOME</b>		
Operating Revenues (400)	5,682,421,296	5,125,684,512
<b>Operating Expenses</b>		
Operation Expenses (401)	2,842,529,953	2,492,514,198
Maintenance Expenses (402)	524,022,724	472,231,323
Depreciation Expenses (403)	746,423,281	633,577,367
Depreciation Expense for Asset Retirement Costs (403.1)	0	0
Amortization and Depletion of Utility Plant (404-405)	42,090,299	37,989,554
Amortization of Utility Plant Acq. Adj. (406)	12,758,733	12,758,733
Amortization of Prop Loss, Unrecov Plant and Reg Strudy Cost (407)	29,040,562	31,048,241
F_TOT_REG_DEBITS	365,010,904	284,278,998
(Less) Regulatory Credits	135,488,252	237,323,828
Taxes Other Than Income Taxes (408.1)	153,362,211	153,535,056
Income Taxes Federal (409.1)	(66,292,964)	(91,946,206)
Income Tax - Other (409.1)	(3,938,471)	2,562,304
Provision for Deferred Income Taxes	834,871,407	1,186,870,107
(Less) Provision for Deferred Income Tax Credit	614,018,430	760,715,065
Investment Tax Credit Adjustment Net (411.4)	(3,355,660)	(3,380,372)
(Less) Gains from Disposition Utility Plant	0	0
Losses from Disposition Utility Plant (411.7)	0	0
(Less) Gains from Disposition of Allowances	165,404	378,052
Accretion Expense (411.10)	0	0
<b>Total Utility Operating Expenses</b>	<b>4,726,850,893</b>	<b>4,213,622,358</b>
<b>Net Utility Operating Income</b>	<b>955,570,403</b>	<b>912,062,154</b>
<b>Other Income and Deductions</b>		
Revenues from Merchandising, Jobbing and Contract Work (415)	(86,843)	(7)
Costs and Exp. of Merchandising Job and Contract Work (416)	29,121	0
Revenues from Nonutility Operations (417)	33,624,375	31,097,036
Expenses of Nonutility Operations (417.1)	23,752,601	24,078,603
Non Operating Rental Income (418)	(633,026)	(553,739)
Equity in Earnings of Subsidiary Companies (418.1)	7,394,428	1,789,130
Interest and Dividend Income (419)	1,387,385	1,693,291
Allowance for Other Funds Under Construction (419.1)	56,812,523	47,441,028
Miscellaneous Nonoperating Income	9,121,726	21,335,420
Gain On Disposal Of Property	1,296,268	1,291,897
<b>Total Other Income</b>	<b>85,135,114</b>	<b>80,015,453</b>

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 1**  
**Income Statement**

<b>Title of Account</b>	<b>December 31, 2018</b>	<b>December 31, 2017</b>
<b>Other Income Deductions</b>		
Loss on Disposition of Property (421.2)	383,831	1,636,650
Miscellaneous Amortization (425)	0	0
Donations (426.1)	3,334,051	2,301,970
Life Insurance (426.2)	(1,642,235)	(489,388)
Penalties (426.3)	1,878,534	389,218
Exp. For Certain Civic, Political and Related Activity (426.4)	3,159,976	2,702,960
Other Deductions (426.5)	34,603,501	25,332,275
<b>Total Other Income Deductions</b>	<b>41,717,658</b>	<b>31,873,685</b>
<b>Taxes Applicable to Other Income and Deductions</b>		
Taxes Other than Income Taxes (408.2)	1,961,060	2,072,971
Income Taxes - Federal (409.2)	(5,144,014)	(2,417,291)
Income Tax Non Utility (409.2)	(645,223)	(204,716)
Provision for Deferred Income Taxes (410.2)	28,378,574	11,814,863
Provision for Deferred Income Tax Credit (411.2)	9,796,689	51,014,160
Investment Tax Credit Adjustments - Net (411.5)	0	0
Total Taxes on Other Income and Deductions	14,753,708	(39,748,333)
<b>Net Other Income and Deductions</b>	<b>28,663,748</b>	<b>87,890,101</b>
<b>Interest Charges</b>		
Total Interest on Long - Term Debt (427)	316,675,114	285,462,085
Amortization of Debt Discount and Exp (428)	5,814,338	5,054,777
Amortization of Loss on Reacquired Debt (428.1)	1,030,335	1,033,597
Amortization on Premium of Debt-Credit (429)	0	0
Interest on Debt to Associated Companies (430)	8,649,424	5,557,512
Other Interest Expense (431)	10,728,365	8,404,622
(Less) Allowance for Borrowed Funds Used During Construction - CR(432)	25,699,616	20,958,187
Net Interest Charges	317,197,960	284,554,406
<b>Income Before Extraordinary Items</b>	<b>667,036,191</b>	<b>715,397,849</b>
<b>Extraordinary Items</b>		
Extraordinary Deductions (435)	0	0
Net Extraordinary Items	0	0
Income Taxes Federal and Other (409.3)	0	0
Extraordinary Items After Taxes	0	0
<b>Net Income</b>	<b>667,036,191</b>	<b>715,397,849</b>

Note(s): Detail amounts may not add to totals shown due to rounding.



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 1**  
**Statement of Changes in Financial Position**

Description	December 31, 2018	December 31, 2017
<b>CASHFLOWS FROM OPERATING ACTIVITIES</b>		
Net Income	667,036,191	715,397,849
Noncash Charges (Credits) to Income:		
Depreciation and Depletion	746,423,281	633,577,367
Amortization and Accretion	268,694,905	326,697,066
Net (Increase) Decrease in Mark-to-Market Hedging Transactions	15,075,058	(3,535,981)
Contributions to Qualified Pension Plans	(24,816,258)	(1,287)
Deferred Income Taxes (Net)	239,434,862	386,955,745
Investment Tax Credit Adjustment (Net)	(3,355,660)	(3,380,372)
(Increase) Decrease In:		
Receivables	(74,311,123)	(114,247,670)
Inventory	63,221,722	58,550,783
Allowances Inventory	(13,436,486)	(33,022,444)
Other Regulatory Assets	(553,018,299)	(37,029,778)
Increase (Decrease) In:		
Payables and Accrued Expenses	407,650,725	(322,389,286)
Other Regulatory Liabilities	133,693,600	(97,693,807)
(Less) Allowance for Other Funds Used During Construction	56,812,523	47,441,028
(Less) Undistributed Earnings from Subsidiary Companies	7,394,428	1,789,130
Impairment Charges	33,331,320	18,596,835
Accrued Pension and Other Post-Retirement Benefit Costs	14,543,544	(19,705,406)
Asset Retirement Obligation Liabilities Settled	(195,197,365)	(191,519,065)
Provision for Rate Refund	123,351,482	
Other:		
Change in Other Noncurrent Assets	(240,624,583)	(25,380,462)
Change in Prepaid and Other Current Assets	(28,016,303)	(29,722,324)
Change in Deferred Credits and Other Long-Term Liabilities	(16,567,223)	(11,140,881)
Charitable Contributions Related to Piedmont Merger Commitments	(7,489,687)	(7,375,000)
Gain on Sale of Assets	(4,818,526)	(3,137,278)
Equity Method Investment Income	147,797	618,475
<b>Net Cash Provided by (Used in) Operating Activities</b>	<b>1,486,746,023</b>	<b>1,191,882,921</b>
<b>CASHFLOWS FROM INVESTING ACTIVITIES</b>		
Gross Additions to Utility Plant (less nuclear fuel)	(1,964,141,297)	(1,597,038,770)
Gross Additions to Nuclear Fuel	(175,835,579)	(162,722,373)
(Less) Allowance for Other Funds Used During Construction	(56,812,523)	(47,441,028)
Gross Additions to Nonutility Plant	(1,175,679)	(494,282)
Additions from Affiliated Companies	0	(4,361,149)
Purchase of Investment Securities	(1,235,790,237)	(1,249,133,802)
Proceeds from Sales of Investment Securities	1,210,064,019	1,211,437,038
Other:		
Proceeds from Disposal of Noncurrent Assets		52

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 1**  
**Statement of Changes in Financial Position**

Cost of Removal, Net of Salvage	(114,416,778)	(52,165,993)
Investments in and Advances to Assoc. and Subsidiary Companies	(181,341)	164,745,561
Proceeds from COI and Rabbi Trust	(1,346,430)	1,580,023
<b>Net Cash Provided by (Used in) Investing Activities</b>	<b>(2,226,010,799)</b>	<b>(1,640,712,667)</b>
<b>CASHFLOWS FROM FINANCING ACTIVITIES</b>		
Proceeds from Issuance of:		
Long-Term Debt	849,884,000	817,075,186
Unamortized Debt expense associated with issuances of Long-Term Debt	(4,812,993)	(5,338,881)
Unamortized Debt expense associated with master credit facilities	(744,609)	(1,320,128)
Payments for Retirement of:		
Long-term Debt	(2,861,743)	(470,317,382)
Net Increase (Decrease) in Intercompany Notes	53,665,000	239,986,000
Dividends Paid to Parent	(175,000,000)	(125,000,000)
<b>Net Cash Provided by (Used in) Financing Activities</b>	<b>720,129,656</b>	<b>455,084,795</b>
Net Increase (Decrease) in Cash and Cash Equivalents	(19,135,120)	6,255,049
Cash and Cash Equivalents at Beginning of Period	16,603,425	10,348,376
Cash and Cash Equivalents at End of period	(2,531,695)	16,603,425

Note(s): Detail amounts may not add to totals shown due to rounding.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 2**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

Provide a trial balance as of the last day of the test year.

All income statement accounts should show activity for total twelve (12) months showing account number, account title, and amount. Clearly identify accounts maintained on a total company basis and accounts maintained on a jurisdictional basis (indicate jurisdiction).

Show the balance in each control and all underlying subaccounts per company books. Any differences between the amounts contained in this item and Item 1 should be reconciled and explained in sufficient detail.

**Response:**

See attached "DEP Rate Case E1-2 Trial Balance."



DEP Rate Case E1-2  
Trial Balance.xlsx



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 2**  
**Trial Balance**

<u>Account-Account Description</u>	<u>December 31, 2018</u>
<b>Assets</b>	
0101000 - Property Plant and Equipment	22,426,738,382
0101710 - EPIS Contra ADC - RETAIL - NC	-321,021,266
0101720 - EPIS Contra ADC - RETAIL - SC	-36,217,337
0101730 - EPIS Contra ADC - WHOLESALE	-36,812,610
0101499 - Asset Retirement Obligations	896,218,576
0101130 - CAP LEASE - NCEMC	18,335,571
0101711 - EPIS-HARRIS DSLW	-551,297,291
0101770 - EPIS Contra ADC - PC	-6,791,569
0101315 - ARO Asset - Coal Ash	819,210,439
Production	23,208,362,895
0114000 - Elec Plant Acquisition Adj	349,801,942
Electric Plant Acquisition Adjustment	349,801,942
0101100 - LT Capital Lease Asset	118,186,937
Utility Plant Held Under Capital Lease	118,186,937
0105100 - Pit Held For Future Use - Wo Sys	-6,929,138
0105200 - Pit Held For Future Use - Pts	34,607,868
0105300 - Comp Future Use Unclassified	9,294,244
Electric Plant for Future Use	36,972,974
0106000 - Comp Const Unclassified	5,574,455,792
Completed Contr, Not Yet	5,574,455,792
Other Utility Plant	6,079,417,646
Utility Plant (101-106,114)	29,287,780,541
0107000 - SCHM Cwip	1,659,816,790
0107004 - SCHM Cwip (SOFTWARE)	5,852,371
Construction Work in Progress (107)	1,665,669,162
Total Utility Plant	30,953,449,703
0111100 - Acc Prov - Amor Pit in Ser	-322,831,324
0115000 - Acc Prov Pit Acquis Adj	-43,592,339
Accumulative Provision for Depreciation Elec	-366,423,663
0108600 - SCHM Retirement Wip	-303,041,069
Retirement Work in Progress Electric	-303,041,069
0108499 - Aro Asset Accum Depreciation	-238,467,575
0108000 - Accumulated DDanda - Prande	-10,249,869,872
0108301 - Accum Depreciation COR	(1,474,982,245)
0108620 - RWIP - Reg Liab	373,788,652
0108710 - DEPR Contra ADC - RETAIL - NC	238,121,493
0108720 - DEPR Contra ADC - RETAIL - SC	23,950,657
0108730 - DEPR Contra ADC - WHOLESALE	25,043,435
0108155 - FAS 143 COR CONTRA	26,235,987
0108406 - ACC DEPR HARRIS DSLW	352,782,851
0108408 - ACCELERATED DEPRECIATION NCUC	-341,403,976
0108409 - ACCELERATED DEPRECIATION SCPSC	-63,159,465
0108740 - Acc DEPR Contra ADC - PC	5,268,497
0108741 - Acc DEPR-WH RT 988	7,628,903
0108742 - Acc DEPR-WH RT PA	2,917,967

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0108743 - Acc DEPR-WH RT Diff	286,911
0108744 - Acc DEPR-SC RT Diff	24,176,185
0108315 - ARO Accum Depr - Coal Ash	-341,318,998
0108640 - ARO Liability - Ash Mgmt	559,603
EXT RESERVE DECOMM	-11,628,440,990
Accum Prov for Depr Amort Depl (108, 110, 111, 115)	-12,297,905,722
Net Utility and Plant	18,655,543,981
0120100 - Nuclear Fuel in Process	325,126,686
Nuclear Fuel in Process of Ref., Conv., Enrich., and Fab (120.1)	325,126,686
0120510 - Acc Amor - Nuc Fuel Assemblies	-1,505,684,205
0120512 - Nuclear Fuel Retirements	625,525,927
0120550 - Acc amort-Canister-Oconee Rob	6,448,869
0120551 - Acc Amor-Canister_McGuire Brun	13,490,701
Accum. Provision for Amort. of Nuclear Assemblies (120.5)	-860,218,709
0120200 - Nuclear Fuel Material and Assemb	0
Nuclear Materials and Assemblies - Stock Account (120.2)	0
0120300 - Nuc Fuel Assemblies in Reactor	819,511,288
Nuclear Fuel Assemblies in Reactor (120.3)	819,511,288
0120400 - Spent Nuclear Fuel Assemblies	417,494,987
Spent Nuclear Fuel (120.4)	417,494,987
Nuclear Fuel	1,237,006,274
Nuclear Fuel, Net - GB	376,787,566
Net Nuclear Fuel	701,914,252
<i>Total Net Utility Plant</i>	<i>19,357,458,233</i>
0121500 - NonUtility - Construction Wip	246,914
0121600 - Comp Const Not Classified - Nonu	4,371,411
0121000 - NonUtil Prop - General	33,296,492
Non Utility Property (121)	37,914,817
0122200 - NonUtility - Rwp	-3,664,326
0122000 - DDanda - NonUtil Prop - Gen	-12,787,489
Accum Prov for Depr and Amort Non-Utility (122)	-16,451,815
Other Property, net - at cost	21,463,002
1231005 - Investment in Sub - Equity	9,169,854
1231015 - Current Year Earnings of Sub - Loaded	7,394,428
0123250 - ICNetting - Advance	0
0123201 - Carohome NR	8,514,278
0123202 - Carohome IR - HGA	2,226,543
0123203 - Carohome IR - GAR	421,439
Investment in Subsidiary Companies (123.1)	27,726,543
0124100 - Stocks and Bonds in Other Co.	12,210
0124400 - Cash Surrender Value - Life	78,057,545
0124401 - Csh - Loans	-35,783,214
Other Investments (124)	42,286,541
0128804 - Rabbi Trust	130,877,852
0128805 - Coil Prepaid Premium	304,561
0128921 - Robinson 2 Qualified Trust	631,420,462

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0128922 - Robinson 2 Nonqualified Trust	27,525,865
0128923 - Brunswick 1 Qualified Trust	449,075,166
0128924 - Brunswick 1 Nonqualified Trust	152,488,656
0128925 - Brunswick 2 Qualified Trust	488,845,332
0128926 - Brunswick 2 Nonqualified Trust	154,839,127
0128927 - Harris Qualified Trust	481,698,884
0128928 - Harris Nonqualified Trust	86,288,514
0128920 - DEP General Nonqualified Trust	30,840,591
Other Special Funds Decommission	2,634,205,010
0128716 - Prefunded Pension (major)	95,699,456
0128717 -Prefunded Pension	46,957,137
Other Special Funds	142,656,593
Other Special Funds (128)	2,776,861,603
Total Investments and Other Assets	2,846,874,688
0176002 - 3rd Party Derivative Asset Long-Term	449,408
Long Term Portion of Derivative Assets - Hedges (176)	449,408
<i>Total Other Property and Investments</i>	<i>2,868,787,097</i>
0131100 - Cash - Various Banks	46,400,370
0131203 - Cash BOA 1925 PEC	12,333,263
0131205 - Cash Mellon 0469 PEC	163,811
0131225 - Cash Wells 7601 PEC	-2,001,310
0131227 - Cash Wells 0020 PEC	-8,909,252
0131234 - Cash Wells 4827 PEC	-4,100
0131212 - Cash Mellon 2331 PEC	25,334
0131031 - Cash Wells 0174 DEP	-50,539,811
Cash (131)	-2,531,695
Total Cash	-2,531,694
0142200 - Cust Acct - Edp	314,459,644
0142210 - Acct Rec - D/FD EPP	36,134
0142801 - A/R-Passport Interface	4,286,959
0142830 - A/R-Merch/Jobb/Contract Work	3,146,415
0142001 - AR NON-REG	-81,067
0142430 - AR Wholesale Billed	102,506,520
0142050 - Transmission Billing	6,044,166
0142440 - A/R BPM - Actual	1,424
0142450 - A/R - Cogeneration	0
0142802 - A/R - Gas	1,769,170
Customer Accounts Receivable (142)	432,169,365
0143011 - A/R - Other - Gen Acctg	10,253,975
0143110 - Misc A/R - Clearing	14,057,995
0143130 - Misc A/R - Stores	172,933
0143180 - Ret Med Life Den/Prem Withheld	913,212
0143230 - Pole Attach Rental - Sou Bell	6,765,238
0143290 - Misc Coal A/R	6,331,221
0143320 - Mar Billed - Edp	7,934,284
0143430 - Wholesale Revenue - Billed	11,613

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0143012 - A/R - Employee Misc (I)	99
0143223 - LT Tax Reclass State Dr	0
0143870 - Cust Billing-Outdoor Light	11,359
0143927 - Employee Receivables	0
0143155 - Other A/R - Miscellaneous	19,474,639
0143022 - A/R Byproducts	2,474
0142999 - AR Estimate Unbilled	1,541,733
0143342 - Receivables Misc Transactions	0
0143119 - Off - System Storms Receivables	38,431
0143970 - State Tax Refunds - External	0
0143992 - Fed Tax Receivable - Audit	0
0143980 - Franchise Tax Rec - Ext	605,743
Other Accounts Receivable (143)	68,114,949
0146000 - AR Intercompany Crossbill	-29,975,945
0146990 - A/R Prop/BI - Bison Interco	20,883,003
0146009 - I/C AR Rollup	-184,712,133
0146250 - I/C Netting - Accts Receivable	212,916,811
0146104 - IC AR - Joint Dispatch	-13,259
0146992 - Federal Tax Refunds - Interco	27,917,031
0146994 - State Tax Refunds - Interco	840,918
0146996 - Franchise Tax - Interco	16,812,806
0146991 - LT Franchise Tax Rec - Interco	45,350,999
Accounts Receivable from Associated Companies (146)	110,020,232
0172004 - Rents Rec-Real Estate	94,136
Rents Receivable (172)	94,136
0173100 - Unbilled Revenue Receivable	129,690,282
Accrued Utility Revenue (173)	129,690,282
Receivables	740,088,963
0144330 - Allowance For Doubtful Account	-5,000,000
0144700 - Prov for MARBS Uncollectibles	-2,357,981
Accum Prov for Uncollectible Account (144)	-7,357,981
Receivables, Net	732,730,981
0151130 - Coal Stock	97,818,667
0151131 - Coal Stock in Transit	8,466,006
Coal Stocks	106,284,673
0151140 - Diesel Fuel Stock	113,736,083
0151170 - Oil Stock in Transit	3,551
Fuel Stock Oil	113,739,634
0151660 - Natural Gas Inventory	0
Fuel Stock (151)	0
Fuel Stock (151)	220,024,307
0154100 - Inventory	699,921,617
0154140 - Misc Inventory	4,426,874
0154200 - Limestone Inventory	4,530,355
0154990 - Schm Inv Cr - Surplus Mat'L Ident	-8,269,629
0154122 - Limestone In Transit Inventory	0

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Plant Material and Operating Supplies (154)	700,609,217
0158150 - SO2 Current Vintage	2,254,148
0158120 - RECs - DE Carolinas - NC	120,428,610
Allowances (158.1 and 158.2)	122,682,758
0163110 - Stores Expense	28,032,771
0163160 - Stores Exp Distribution - Credit	5,148,318
0163180 - Freight and Express	203,538
Store Expenses Undistributed (163)	33,384,627
0156010 - Other M&S / Inventory	182,270
Other Materials and Supplies (156)	182,270
Inventory - at average cost	1,076,883,181
0165075 - Interco Prepaid Insu SchM	0
0165120 - Unexpired Insurance - Nuclear	4,596,958
0165400 - Misc Prepaid Expenses	9,403,624
0165011 - Ppd - Software - Purchase	0
0165513 - Prepaid Expense - Misc.	0
0165538 - LTSA - Long Term Portion FTG	76,832,194
0165009 - Prepaid Inv - Solar Recs	108,125
Prepayments (165)	90,940,901
0174015 - Customer Collateral	-1,034
0174300 - Swap Int Recvbl Cur Reg Asset	10,149,055
Miscellaneous Current and Accrued Assets (174)	10,148,021
0176001 - 3rd Party Derivative Asset Current	312,307
0176003 - Accrued Interest Recv - Swaps	0
L T Portion of Derivative Instruments Assets Hedges (CALC)	449,408
Derivative Instrument Assets Hedges (176)	761,715
(Less) Long Term Portion of Derivative Instruments Assets - Hedges	-449,408
Current Assets	1,908,483,696
<i>Total Current and Accrued Assets</i>	<i>1,908,483,696</i>
0181400 - Credit Facilities Fee	2,800,671
0181021 - Unamortized Debt Expense	-927,296
0181544 - PEC DDE 200M 5.70% 2035	1,043,901
0181546 - PEC DDE 325M 6.30% 2038	2,057,710
0181547 - PEC DDE 600M 5.30% 2019	0
0181549 - PEC DDE 200M 6.125% 2033	994,478
0181566 - PEC DDE 100M 8.5/8% 09/15/21	50,961
0181567 - DEP 500M 3.00% 9-15-21	1,037,273
0181568 - DEP 500M 2.80% 5-15-22	1,313,773
0181572 - DEP DDE 500M 4.10% 5-15-42	3,893,414
0181573 - DEP DDE 500M 4.10% 3-15-43	4,006,825
0181574 - DEP DDE 48M Wake 2002 Refn 2013	503,246
0181075 - DEP 400M 4.3/5% 3/30/2044	3,033,190
0181043 - DEP 500M 4.15% 12/1/44	4,026,111
0181051 - DEP 500M 3.25% 8/15/2025	1,861,648
0181052 - DEP 700M 4.20% 8/15/2045	5,347,561
0181056 - Unamortized Debt Exp - CurtLTD	17,355

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0181053 - DEP DDE 450M 3.70% 10/15/46	3,544,404
0181054 - DEP 300M Floating 9/08/20	631,378
0181058 - DEP DDE 500M 3.60% 9/15/47	4,061,396
0181059 - DEP 300M 3.375% 9/1/2023	1,229,256
0181065 - DEP 500M 3.70% 9/1/2028	2,615,215
Unamortized Debt Expenses (181)	43,142,470
0189000 - Schm Unamt Loss Reaq Dt Pre Sc	3,548,860
0189007 - ST UNAMT LOSS REACODEBT-TOTAL	1,030,335
Unamortized Loss on Reaquired Debt (189)	4,579,195
Debt expense (refinancing costs, amortized over terms)	47,721,662
0182204 - Bruns Design Basis Deferral	35,107,437
0182205 - Bruns Design Basis Def - Amort	-25,437,988
0182206 - Rob Design Basis Deferral	13,982,544
0182207 - Mayo 2 Amortization-WH	259,476
0182208 - Rob Design Basis Def - Amort	-11,967,385
0182218 - Cape Fear CT - Retail	-595,812
0182219 - Cape Fear CT - Wholesale	-138,448
0182215 - Cape Fear Fossil - Retail	7,454,309
0182216 - Cape Fear Fossil - Wholesale	6,870,589
0182217 - Robinson Fossil - Retail	22,636,188
0182285 - Lee CT - Wholesale	463,504
0182286 - Lee Fossil - Wholesale	8,047,181
0182280 - Lee CT - Retail	859,225
0182255 - Weatherspoon Fossil - Retail	1,635,541
0182256 - Weatherspoon Fossil - Wholesale	2,420,769
0182263 - Morehead City CT - Retail	-92,352
0182264 - Morehead City CT - Wholesale	-1,749
0182265 - Sutton Fossil - Retail	19,670,789
0182266 - Sutton Fossil - Wholesale	13,125,444
0182267 - Robinson Fossil - Wholesale	12,456,731
0182212 - Lee Fossil - Retail	9,758,361
0182223 - Harris COLA - Wholesale	5,946,220
0182224 - Harris COLA - Retail	31,124,363
0182512 - Mayo Deferred Cost Current	70,766
Unrecovered Plant and Regulatory Study Costs (182.2)	153,655,703
0182320 - Regulatory Asset - Inc Tax	172,984,319
Regulatory Asset Tax	172,984,319
0182340 - Sch M: Vac Accrual Reg Asset	41,419,153
0182399 - Aro Regulatory Asset	444,656,873
0182312 - Oprb FAS 106 - Medical	164,237,395
0182323 - Rate Case Cost NC CUR	525,519
0182410 - Interest Rate Swap Reg Asset	4,886,654
0182801 - Pension Post Retire P Accig - FAS87 NQ	5,549,571
0182342 - Deferred Asset	395,637
0182318 - Other Reg Assets - Gen Acct	371,951,050
0182361 - SC Energy Efficiency Reg Asset	15,329,741

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0182359 - REPS Incremental Costs	-2,910,744
0182381 - NC Energy Efficiency Reg Asset	219,773,951
0182390 - SC GridSouth Reg Asset	3,676,168
0182374 - Duke Generated REC Certificate	335,739
0182393 - Deferred VOP Costs	1,154,796
0182408 - NC Retain Defer Fuel Clause	226,809,159
0182491 - Pollution Control SC Deferral	27,650,426
0182420 - Deferred Fuel Retail	23,500,699
0182424 - Wayne Return on Deferral	-20,619,229
0182427 - SC Wayne Deferred Cost	39,972,564
0182428 - NC Nuclear Levelization	7,513,832
0182429 - SC Nuclear Levelization	1,615,180
0182430 - Coal Inventory Rider NC	283,489
0182431 - NC Nuclear Levelize Cur	37,185,316
0182432 - Wayne Deferred Cost Current	0
0182321 - REG ASSET-DERIV MTM OIL	5,301,165
0182332 - SC 2014 Ice Storm	14,713,413
0182433 - Rate Case Cost NC LT	3,204,682
0182449 - Fukushima CyberSecurity Def-SC	5,299,350
0182443 - SC Sutton Deferred Cost	22,135,464
0182441 - Sutton Return on Deferral	-11,723,462
0182446 - Rate Case Cost SC CUR	30,587
0182452 - Rate Case Cost SC LT	61,174
0182470 - Coal Ash Spend - Retail SC&FL	42,425,510
0182315 - Reg Asset - Coal Ash Pond ARO	1,623,764,798
0182040 - SC Long-Term Deferred Fuel	0
0182458 - NC Long-Term Deferred Fuel	145,987,227
0182471 - Coal Ash Spend - Retail (NC&MW)	145,411,874
0182472 - Coal Ash Spend - Wholesale	56,641,135
0182711 - Distribution Storm Rider - Asset	0
0182479 - NCEMPA Purchase Deferral NC	44,392,629
0182480 - NCEMPA Purchase Deferral SC	9,794,563
0182494 - Deferred Asset - SC DERP	12,824,788
0182484 - NC Regulatory Fee	1,460,725
0182485 - NCEMPA Short-Term Reg Asset	0
0182496 - SC AMI Meter Deferred Costs	710,820
0182497 - SC AMI Def Costs - Equity Rtm	-244,276
0182490 - DEP SC COR Giveback	0
0182506 - Spend RA Amortization (NC&MW)	196,793,457
0182507 - Spend RA Amortization (SC&FL)	6,687,961
0182509 - Sutton SC Deferred Cost Curren	-168,790
0182510 - Wayne SC Deferred Cost Current	973,461
0182511 - SC Pollution Control Current	2,513,675
0182513 - Severance Costs Current	577,398
0182514 - Misc ST Reg Assets	10,206,408
0182515 - NCEMPA ST Purchase Deferral SC	217,278

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0182524 - NC Customer/Connect Deferral LT	7,805,614
0182525 - Non-AMI Meter NBV 182.3	12,421,400
0182708 - SC Storm - Matthew	72,259,865
0182709 - SC Deferred Storm Costs Equity	-9,271,690
0182710 - NC Storm - Matthew	17,861,214
0182535 - Deferred Reg Fee Current	375,831
0182528 - CPRE Rider	442,248
0182529 - EA Auction Proceeds Amortiz	1,457,218
0182560 - NC Solar Rebate Program Costs	3,150,187
0182537 - Extended Amortization Asset	1,747,700
0182541 - Customer Connect SC LT	960,319
0182544 - ABSAT Projects Deferred Costs	677,954
0182598 - DEP ST Int Hedge-Asset	-61,557
0182599 - DEP LT Int Hedge Asset	-534,974
0182545 - Harris COLA - Retail SC	6,087,361
0182546 - ABSAT Proj Deferred Costs-SC	111,301
0182547 - Contra Eq-ABSAT Proj Def Costs	-272,808
0182548 - Con Eq-ABSAT Proj Def Costs SC	-47,784
0182550 - COR Settlement - SC	17,967,424
0182551 - COR Settlement	19,424,242
0182553 - Depreciation Deferral - SC	5,296,826
0182557 - Customer Connect NC EQ LT	-185,332
0182561 - Grid Deferral - SC	1,263,372
0182562 - Grid Deferral - SC Contra EQ	-374,233
0182563 - NC Solar Amort & Returns	58,101
0182606 - Management Penalty Amortization	-11,665,333
0182615 - Coal Ash Contra Equity	-9,799,090
Misc Regulatory Assets	4,092,041,329
Other Regulatory Assets (182.3)	4,265,025,648
0183000 - Prelim Survey and Investigation	8,201,316
Preliminary Survey and Investigation Charges (183)	8,201,316
0184500 - Departmental and Other Clearing	6,913,284
0999998 - Allocations Suspense	471
0184023 - Clearing Payroll Fixed Distr	25,092
Clearing Accounts (184)	6,938,847
0186120 - Misc. Wip - Fp Dist. Wids	418,385
0186290 - Oth Deferred Charges - Operation	164,212
0186802 - Accr Pen FAS158 - Qual	324
0186984 - Other Long-Term Assets	8,343,921
0186661 - Reserve Equity - Solar	-4,768,566
0186000 - NC Environmental Expense	29,172,679
0186031 - Gas Pipeline Charges-ST	480,955
0186022 - ST Asset Closed Def Int Hedge	9,093,368
0186610 - PEC Unrecovered Plant	0
0186605 - Misc Defer Debit Workers Comp	4,824,490
0186283 - Hedge Asset Pre-Tax	24,440,271



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0186195 - Deferred PEC Rate Case Expens	2,004,692
0186998 - Fukushima Pooled Inventory Opt	1,805,782
0186295 - Deferred Storm Expenses	469,645,563
0186041 - Def Dr - Gas Acctg	3,005,970
0186181 - COR Settlement - NC	0
0186251 - Contra Equity Coal Ash Spend RA	0
0186316 - Coal Ash Spend - NC Retail	0
0186055 - NCEMPA SC Equity Reserve	-3,962,255
0186056 - NCEMPA SC Equity Reserve - ST	-165,339
Other Deferred Charges	544,504,452
Miscellaneous Deferred Debits (186)	544,504,452
0190001 - Adit: Prepaid: Federal Taxes	1,564,292,509
0190002 - Adit: Prepaid: State Taxes	202,422,655
0190051 - Accum Deferred FIT-OCI	53,240
0190052 - Accum Deferred SIT-OCI	7,158
0190155 - Deferred Tax - Nol	77,769,773
0190156 - Deferred Tax_State NOLs	20,410,944
0283020 - Valuation Allowance	1
Accumulated Deferred Income Taxes (190)	1,864,956,280
<i>Total Deferred Debits</i>	<i>6,891,003,911</i>
<b>Total Assets</b>	<b>31,025,732,937</b>
<b>Liabilities and Other Credits</b>	
0211003 - Misc Paid in Capital	2,784,376,572
Other Paid in Capital (208-211)	2,784,376,572
0215100 - Approp. Retained Earnings --	(1,034,370)
0216000 - Unapprop Retained Earnings	5,270,659,421
Current Month Net Income	667,036,191
0436100 - Approp Retained Earnings-Mkind	-2,957,243
Retained Earnings (215, 215.1, 216)	5,933,703,999
0216100 - Unappr Undistr Subsid Earnings	-277,197,059
0216150 - Equity IC AR Rollup	125,510,334
2161500 - IC AR Rollup	-125,510,334
Unappropriated Undistributed Subsidiary Earnings (216.1)	-277,197,059
2191002 - OCI Rollup	-149,270
Accumulated Other Comprehensive Income (219)	-149,270
<i>Total Proprietary Capital</i>	<i>8,440,734,242</i>
0221003 - Curr Portion of LTD-Bonds	600,000,000
0221544 - PEC FMB 200M 5.70% 04/1/2035	200,000,000
0221546 - PEC FMB 325M 6.30% 04/1/2038	325,000,000
0221547 - PEC FMB 600M 5.30% 01/15/2019	0
0221549 - PEC FMB 200M 6.125% 2033	200,000,000
0221566 - PEC FMB 100M 8 5/8% SER 9/2021	100,000,000
0221567 - DEP 500M 3.00% 9-15-21	500,000,000
0221568 - DEP 500M 2.8% 5-15-22	500,000,000
0221572 - DEP 500M 4.10% 5-15-42	500,000,000

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0221573 - DEP 500M 4.10% 3-15-43	500,000,000
0221574 - DEP 48.485M Wake 2002 Refn 2013	48,485,000
0221075 - DEP FMB 400M 4.375% 3/30/2044	400,000,000
0221043 - DEP FMB 500M 4.15% 12/1/44	500,000,000
0221051 - DEP FMB 500M 3.25% 8/15/2025	500,000,000
0221052 - DEP FMB 700M 4.20% 8/15/2045	700,000,000
0221053 - DEP FMB 450M 3.70% 10/15/46	450,000,000
0221054 - DEP FMB 300M Floating 09/08/20	300,000,000
0221058 - DEP FMB 500M 3.60% 9/15/47	500,000,000
0221059 - DEP FMP 300M 3.375 9/1/2023	300,000,000
0221065 - DEP FMP 500M 3.70 9/1/2028	500,000,000
<b>Bonds (221)</b>	<b>7,623,485,000</b>
0224513 - PGN OTH LTD 500M SN - 2020	50,000,000
0224550 - L/T DEPR Debt	300,000,000
<b>Other Long Term Debt (224)</b>	<b>350,000,000</b>
0226021 - Unamort Discount-Curr	-2,161
0226544 - PEC UNAMDIS 200M 5.70% 2035	-280,358
0226546 - PEC UNAMDIS 325M 6.30% 2038	-372,661
0226547 - PEC UNAMDIS 600M 5.30% 2019	0
0226549 - PEC UNAMDIS 200M 6.125% 2033	-1,520,964
0226566 - PEC UNAMDIS 100M 8 5/8% 2021	-33,872
0226567 - DEP 500M 3.00% 9-15-21	-232,664
0226568 - DEP 500M 2.80% 5-15-22	-379,712
0226572 - DEP UNAMDIS 500M 4.10% 5-15-42	-1,932,634
0226573 - DEP UNAMDIS 500M 4.10% 3-15-43	-2,964,320
0226075 - DEP UNAMDIS 400M 4.375% 3/30/2044	-67,177
0226043 - DEP UNAMDIS 500M 4.15% 12/1/44	-1,475,748
0226051 - DEP UNAMDIS 500M 3.25% 2025	-1,009,328
0226052 - DEP UNAMDIS 700M 4.20% 2045	-3,148,826
0226053 - DEP UNAMDIS 450M 3.70% 10/15/46	-1,060,079
0226058 - DEP UNAMDIS 500M 3.60% 9/15/47	-702,831
0226059 - DEP UNAMDIS 300M 3.375% 2023	-19,363
0226065 - DEP UNAMDIS 500M 3.70% 2028	-91,276
<b>Unamortized Discount on LT Debt (226)</b>	<b>-15,293,974</b>
0223306 - Intercompany Notes Payable LT	150,000,000
Advances from Associated Companies (223)	150,000,000
<b>Total Long Term Debt</b>	<b>8,108,191,026</b>
0227101 - LT Capital Lease Obligation	133,281,241
<b>Obligations Under Capital Leases (227)</b>	<b>133,281,241</b>
0228250 - Inactive - Schm Worker'S Comp - Other	6,802,669
0228280 - Schm Environmental	-3,524
0228202 - Claim Reserve - ST	75,000
<b>Accumulated Provision for Injures and Damages (228.2)</b>	<b>6,874,145</b>
0228314 - Schm Dpc Opeb FAS 106	44,512,681
0228315 - Schm Opeb (Fas106)	118,277,628
0228324 - Schm Dpc Pos Emp FAS 112	0

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<b>Account-Account Description</b>	<b>December 31, 2018</b>
0228325 - Schm Post Emp FAS 112	14,265,006
0228348 - Pension Liab - FAS 87(CInergy)	0
0228313 - Coll Death Benefit Survivor	18,200,000
0228340 -Nonqualified Plans Liability	21,084,171
0253630 - Schm Exec Cash Bal Plan	7,283,400
Accumulated Provision for Pensions and Benefits (228.3)	223,622,886
0228401 - Coal Mines Ins Liab	1,792,274
0228404 - Deferred Comp	9,337,525
0228405 - 2000 Class Deferred Compensat	2,280,580
0228440 - Reserve - MGP Sites FERC 228	-240
0228480 - Acc Prov Insurance-Environ	3,791,856
Accumulated Miscellaneous Operating Provisions (228.4)	17,201,995
0229010 - Accm Prr-Rate Refnd-Tax Ref	123,351,482
Accumulated Provision for Rate Refund (229)	123,351,482
0244006 - Derivative Instr-Regulatory-LT	4,886,654
LT Portion of Derivative Instrument Liabilities	4,886,654
0230999 - ARO Liability	2,716,568,984
0230315 - ARO Liability - Coal Ash	2,103,190,744
Asset Retirement Obligations (230)	4,819,759,728
0245002 - 3rd Party Derivative Liability Noncurren	3,728,239
LT Portion of Derivative Instrument Liabilities - Hedges	3,728,239
<i>Total Other NonCurrent Liabilities</i>	<i>5,332,706,370</i>
0232016 - AP PS8.9 Vendors Payable	131,992,085
0232120 - Vouchers Payable - Special	31,299
0232125 - NRC Inspection Fee Pay	1,759,630
0232140 - Customer Refunds Payable	8,400,000
0232151 - Pp Accounts Payable - Stores	19,796,025
0232170 - Accounts Payable - Coal	10,584,579
0232175 - Limestone and Freight Payable	560,533
0232180 - Accounts Payable - Oil Stocks	5,303
0232190 - Coal Freight Payable	2,248,189
0232331 - A/P - ENERGY NEIGHBOR FUND	19,827
0232460 - Bulk Power Marketing Payable	5,000,000
0232480 - Co - Generation	17,346,109
0232410-Transmission Payables	-17,200
0232109 - A/P BPM - Actual	9,669,824
Power Accounts Payable (232)	31,998,733
0232061 - Checks not presented - reclass	35,634,132
Unpaid Bank Checks (232)	35,634,132
0232996 - Capital - Accruals	119,772,122
0232039 - Payable 401K Incentive Match	3,350,314
0232181 - Natural Gas Payable	12,354,258
0232002 - A/P - Misc- Gen - Acccg	261,393,343
0232026 - AP - CAP Rent Long Term	63,354,917
0232176 - Reagent Payable	792,577
0232177 - Generic By Products Payable	859,746

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<u>Account-Account Description</u>	<u>December 31, 2018</u>
0232270 - Passport Unvouchered Liability	7,134,325
0232000 - A/P Vendors Payable	-10,417
0232155 - Accounts Payable - Stores CAS	-1,148,965
0232178 - Accrued Settlements Payable	12,940,282
Accounts Payable (232)	723,822,837
0233150 - IC Moneypool - ST Notes Pay	293,651,000
Notes Payable to Associated Companies (233)	293,651,000
0232232 - A/P Affiliates	-251,401
0234000 - IC Moneypool - ST Interest Pay	34,432
0234010 - I/C AP - Joint Dispatch	58,457,203
0234250 - IC Netting - Accts Payable	212,916,814
Accounts Payable to Associated Companies (234)	271,157,048
0235000 - Cust Dep NC-CIM	116,588,158
0235001 - Cust Dep SC-CIM	20,682,550
Customer Deposits (235)	137,270,708
0236000 - NC Prop Tax - Electric	960,136
0236040 - NC Prop Tax - Misc Non - Util	97,464
0236050 - NC Municipal License - Elec	-152,338
0236150 - St/Local Unemployment Tax Liab	0
0236360 - SC Prop Tax - Electric	35,133,421
0236400 - SC Prop Tax - Misc Non - Util	51,624
0236470 - Franchise Tax Accrual	2,268,649
0236520 - S. C. Pub Ser Comm - Electric	1,330
0236700 - Employer FICA Tax Liab	4,725,076
0236750 - Federal Unemployment Tax Liab	4,006
0236906 - Use Tax Payable	758,211
0236940 - Current Tax Reclass State Cr	840,918
0236980 - Current Tax Reclass Fed Cr	27,917,030
0236990 - Fed Inc Tax Payable - Current	-27,617,030
0236993 - LT Liability Fed - UTP	4,708,230
0236001 - State It Payable Other	-278,461
0236986 - LT Liability Fed - KTRA	0
0236988 - LT Liability ST UTP PGN	1,370,704
0236375 - SC CORP LIC UNBILL ACCRUAL	53,164
Taxes Accrued (236)	50,842,135
0230690 - S.C. Mun. License - Elect	8,436,539
Other Accounts Payable	8,436,539
Consolidated Taxes Accrued	59,278,673
0237038 - LT Interest Accrued	1,390,331
0237110 - Bonds Interest Payable	880,048
0237220 - Int Accrued on NC Cust Deposit	26,282,434
0237240 - Int Accrued on SC Cust Dep	584,320
0237510 - Bonds Interest Payable	87,740,693
Interest Accrued (237)	116,877,826
0241110 - State Income Tax Wh - Employee	417,494
0241150 - Federal Income Tax Wh - Employee	-57,689

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<b>Account-Account Description</b>	<b>December 31, 2018</b>
0241160 - FICA Withheld - Employee	-21,347
0241310 - General Sales Tax	847,944
0241320 - Utility Sales Tax	6,749,372
0241335 - Local Taxes Withheld	458
<b>Tax Collections Payable (241)</b>	<b>7,936,232</b>
0242215 - Payroll Severance Reserves	41,397,784
0242310 - Green Power Payable	12,528
0242320 - Transmission Open Acc - Deposits	419,445
0242460 - Prov For Incentive Ben Prog	59,655,422
0242461 - Prior Year Incentive Accrual	0
0242490 - Vacation Carryover	56,737,919
0242540 - Escheatements Payable	49
0242650 - Accrued Payable - Other	357,647
0242216 - Payroll ST Retention/Spot Rsrvs	207,563
0242997 - Misc Liab - FAS 87 NQ	2,219,734
0242330 - Carbon Offset Program - NC	625
0242033 - Wages Payable - Accrual	10,683,247
0242897 - NC Pension Liability - FAS 87	312,795
0242898 - OPEB Current Liability	3,387,967
0242899 - FAS 112 Current Liability	2,005,693
0242396 - CURR&ACCR LIAB-WORKERS COMP	333,113
0242398 - CURR&ACCR LIAB MISC	26,243,875
0232005 - Long Term Disability Deduction	59,192
0232045 - Supplemental Life Deductions	211,188
0232048 - Supplemental AD&D Deduction	44,656
0242152 - Solar Interconnect Deposits	7,286,827
0242153 - Performance Securities	15,545,263
<b>Other Current Accrued Liability</b>	<b>227,122,434</b>
0242110 - Contract Retentions	814,388
<b>Contribution Contra Ret</b>	<b>814,388</b>
<b>Miscellaneous Current and Accrued Liabilities (242)</b>	<b>227,936,822</b>
0243105 - Current Portion of Cap Lease Obligation	3,267,405
<b>Obligations Under Capital Leases - Current (243)</b>	<b>3,267,405</b>
0244005 - Derivative Instr-Regulatory-ST	10,149,055
0244007 - Accrued Interest Exp-Swaps-Reg	1,084,394
<b>Derivative Instrument Liabilities - Current</b>	<b>11,233,449</b>
<b>Long- Term Portion of Derivative Instrument Liabilities Calc</b>	<b>4,886,654</b>
<b>Derivative Instrument Liabilities (244)</b>	<b>16,120,103</b>
<b>(Less) Long Term Portion of Derivative Instrument Liabilities</b>	<b>-4,886,654</b>
<b>Long-Term Portion of Derivative Instrument Liabilities-Hedges Calc</b>	<b>3,728,239</b>
0245001 - 3rd Party Derivative Liability Current	2,738,343
<b>Derivative Instrument Liabilities - Hedges (245)</b>	<b>6,466,582</b>
<b>(Less) Long-Term Portion of Derivative Instrument Liabilities-Hedges</b>	<b>-3,728,239</b>
<b>Total Current and Accrued Liabilities</b>	<b>1,855,170,343</b>
0252001 - Cust Adv For Construction	1,562,635
0252400 - Customer Advances-ST	21,212,641

**DUKE ENERGY PROGRESS, LLC**  
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<b>Account-Account Description</b>	<b>December 31, 2018</b>
Customer Advances for Construction (252)	22,775,276
0255000 - Accum Def Inv Tax Credits	142,161,990
Accumulated Deferred Investment Tax Credits (255)	142,161,990
0253053 - OTH DEF Credit - Smart Grid	1,534,126
0253500 - Net Proceeds on Property Sales	26,191
0253890 - Schm Tax and S/L For Surplus Mat'ls	272,053
2531006 - Def Cr - A/R A/P Elim Diff	-3,645,593
Historical Equity Roll - Up Plug	-125,510,335
2531008 - Def Cr - Other Bal Sheet Elim Diff	3,645,593
0253039 - Deferred Revenue	680,179
0253920 - Other Deferred Credits	5,795,684
0253035 - Misc Def Cr - Genl Acctg	20,077
0253008 - Pole Attach - Deferred Revenue	3,669,201
0253082 - OTH DEFER CR MISCELLANEOUS	-14,260
0253083 - Oth Defcr Cr Sale of Land Harris	140,123
0253086 - ACCRUED INDEMNIFICATIONS - SFAS 5	7,260,313
0253600 - Def NC Tax Rate Change - TAX	0
0253070 - Reserves - Mgp Sites FERC 228	295,784
ICNET_PLUG	125,510,334
0253062 - Long Term Def Rev - OL	165,342
Misc Deferred Credit (253)	18,310,685
Other Deferred Credits (253)	19,844,812
0254200 - Epa Auction Proceeds	0
EPA AUCTION PROCEEDS (254)	0
0254250 - NC REC Liability - Retail	114,255,607
0254251 - NC REC Liability - Whse	31,157
0254689 - Reg Liability - OPEB	0
0254690 - OPEB regulatory liability	93,332,216
0254013 - Reg Liab NC Deferred Fuel	0
0254914 - NDT - QUAL - UNREAL GAINS	766,330,163
0254915 - NDT - NONQUAL - UNREAL GAINS	37,382,380
0254403 - SFAS 143 Asbestos-Reg Liab FTG	15,264,104
0254988 - Current Regulatory Liabilities	0
0254019 - Harris Land Gain Amort - Current	0
0254021 - Nuclear Fuel Last Core Reserv	22,497,592
0254022 - M and S Inventory Reserve PEC RC	27,563,082
0254700 - DOE Settlement Def NC Cur	0
0254410 - ST SO2 EA Proceeds	0
0254800 - Reg Liability - MTM Fuel - LT	1,193,870
0254035 - SC Long-Term Liab Defcr Fuel	383,896
0254106 - Rotable Fleet Spare Reg Liab	1,687,961
0254028 - Excess Amortization Liability	5,200,389
Misc Regulatory Liab (254)	1,085,122,416
0254100 - Regulatory Liability - Inc Tax	66,601,143
0254150 - Reg Liab - State Tax Rate Change	123,024,902
0254036 - Reg Liab - Excess Fed ADIT	904,111,986

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<u>Account-Account Description</u>	<u>December 31, 2018</u>
0254037 - RL - Excess NC ADIT - SC Retail	5,382,366
0254038 - Excess ADIT Grossup LT	425,897,509
0254041 - Reg Liab - D&E Ret on St EDIT	2,515,760
0254042 - Reg Liab - Fed EDIT - SC Retail	161,209,747
0254044 - Reg Liab - Fed EDIT - W/S	346,978,293
Regulatory Liability Tax (254)	2,035,721,706
Other Regulatory Liabilities (254)	3,120,844,123
0282100 - Adit: PpandE: Federal Taxes	2,416,603,213
0282101 - Adit: PpandE: State Taxes	279,073,923
Accumulated Deferred Income Taxes Oth Property (282)	2,695,677,136
0283100 - Adit: Other: Federal Taxes	1,135,019,747
0283101 - Adit: Other: State Taxes	152,607,872
Accum Deferred Income Tax Other (283)	1,287,627,619
<i>Total Deferred Credits</i>	<i>7,288,930,956</i>
<b><i>Total Liabilities and Other Credit</i></b>	<b><i>31,025,732,937</i></b>

DUKE ENERGY PROGRESS, LLC  
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For the test year ended December 31, 2018

Item No. 3

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

**Request:**

a. Provide the balance in each total company current asset account and each current liability account and subaccount included in the applicant's chart of accounts by months for the test year. Additionally, show total current assets, total current liabilities, and net current position (current assets less current liabilities) by months and average (13 month) for the test year. Provide a reconciliation of total company current assets, current liabilities and net current position as shown on the total company balance sheet for each month of the test year.

**Response:**

See attached "DEP Rate Case E1-3 Current Position."



DEP Rate Case E1-3  
Current Position.xlsx



Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
<b>CURRENT AND ACCRUED ASSETS</b>													
0131100 - Cash - Various Banks	31,151,735	6,188,898	6,724,830	(741,882)	12,001,479	13,545,221	25,429,721	10,780,808	47,347,400	5,366,074	6,345,361	6,996,914	46,400,370
0131203 - Cash BOA 1925 PEC	9,142,376	6,782,628	8,897,470	(93,299)	3,105,994	2,171,010	3,897,060	7,442,661	6,285,257	5,781,999	3,493,796	7,185,927	12,333,263
0131205 - Cash Mellon 0469 PEC	5,847,932	2,714,435	2,410,484	6,205,708	974,336	1,822,690	4,778,005	592,344	6,888,091	4,461,702	(401,207)	2,693,270	163,811
0131227 - Cash Wells 7601 PEC	(3,918,053)	(2,471,125)	(2,054,492)	(1,865,407)	(2,122,091)	(2,260,245)	(2,003,450)	(2,174,808)	(2,255,345)	(2,130,177)	(1,850,836)	(2,075,211)	(2,001,310)
0131227 - Cash Wells 0020 PEC	(24,379,448)	(769,375)	3,686,133	3,190,559	(5,494,949)	(8,678,708)	(17,459,600)	(3,674,611)	(39,834,956)	(20,532,138)	(4,182,022)	(20,746,404)	(8,909,252)
0131228 - Cash Wells 8238 PEF	0	0	0	0	0	0	0	0	0	0	(545)	(4,100)	(4,100)
0131234 - Cash Wells 4827 PEC	(3,982)	(3,982)	(3,982)	(3,982)	(3,982)	(3,982)	(3,982)	(3,818)	(3,818)	(3,818)	(3,818)	(3,637)	25,334
0131212 - Cash Mellon 2331 PEC	30,638	30,526	27,680	(772,295)	22,096	32,319	22,245	29,230	29,899	55,325	33,584	33,637	25,334
0131031 - Cash Wells 0174 DEP	(1,267,774)	(1,091,363)	(829,349)	(1,283,558)	(982,139)	(945,119)	(4,205,491)	(1,376,898)	(1,446,109)	(1,885,689)	(1,133,816)	(1,354,255)	(50,539,812)
<b>131 Cash</b>	<b>16,603,425</b>	<b>11,380,642</b>	<b>18,858,773</b>	<b>4,635,824</b>	<b>7,500,743</b>	<b>5,683,185</b>	<b>10,404,508</b>	<b>11,614,928</b>	<b>17,010,418</b>	<b>(8,886,723)</b>	<b>2,300,497</b>	<b>(7,227,852)</b>	<b>(2,531,695)</b>
0142200 - Cust Acct - Edp	237,311,851	327,358,575	306,578,639	253,373,248	246,293,851	238,231,797	288,811,461	323,486,926	320,982,397	358,047,076	315,732,404	283,006,528	314,459,644
0142210 - Acct Rec - D/HD EPP	5,861	6,091	6,402	6,106	6,086	8,658	13,272	14,403	15,708	18,720	20,085	26,715	36,134
0142801 - A/R-Passport Interface	217,473	327,290	537,347	976,863	1,161,642	1,651,496	1,909,273	2,163,729	2,544,585	3,208,857	3,356,490	3,250,574	4,286,959
0142830 - A/R-Merch/Job/Contract Work	4,666,903	4,698,348	4,485,365	4,404,359	4,907,887	4,089,378	3,815,822	3,729,816	3,648,887	3,245,975	3,553,290	3,159,957	3,146,415
0142001 - AR NON-REG	270,852	292,590	343,015	360,692	365,300	370,800	395,869	403,162	430,021	493,271	120,279	(10,338)	(81,067)
0142998 -AR Other Than Electric	0	0	0	0	0	0	0	0	197	197	197	197	197
0142430 - AR Wholesale Billed	97,491,196	139,481,704	92,675,457	90,022,860	70,054,248	98,946,284	107,300,828	115,615,005	129,678,439	107,847,781	95,000,859	97,725,972	102,506,520
0142050 - Transmission Billing	4,079,188	5,963,437	6,106,538	3,726,408	1,819,786	2,943,369	3,830,074	3,716,997	5,283,924	8,217,160	8,275,255	6,669,009	6,044,166
0142440 - A/R BPM - Actual	7,836	114,909	(319,125)	(883)	(1,107)	(989)	(260,199)	(4,213)	(115,968)	(110,942)	12,332	1,247	1,424
0142450 - A/R - Cogeneration	0	3,306	3,306	0	0	0	0	0	0	0	0	0	0
0142802 - A/R - Gas	(24,171)	1,227,178	31,353	260	(18,279)	6,000	184,147	174,801	23,531	277,755	1,055,207	11,020,366	1,769,171
<b>142 Customer Accounts Receivable</b>	<b>344,026,988</b>	<b>479,473,428</b>	<b>410,448,297</b>	<b>352,869,910</b>	<b>324,589,416</b>	<b>346,246,793</b>	<b>406,000,545</b>	<b>449,300,627</b>	<b>462,491,719</b>	<b>481,245,850</b>	<b>427,126,386</b>	<b>404,850,226</b>	<b>432,169,365</b>
0143011 - A/R - Other - Gen Acctg	11,729,913	7,637,081	7,038,852	12,702,303	13,160,956	3,375,427	3,888,320	4,484,344	5,005,946	5,538,725	6,088,747	6,382,052	10,253,975
0143110 - Misc A/R - Clearing	14,464,292	14,464,292	14,464,292	7,437,841	1	0	0	0	0	0	0	0	14,057,995
0143130 - Misc A/R - Stores	90,198	95,568	98,202	98,721	98,992	101,890	104,953	109,321	119,321	125,861	153,134	161,267	172,993
0143180 - Ret Med Life Den/Prem Withheld	275,192	328,784	381,898	436,432	489,979	543,746	597,337	650,811	703,885	757,742	809,890	909,196	913,212
0143230 - Pole Attach Rental - Sou Bell	(346,404)	(44,922)	(24,693)	(162,706)	666,506	2,389,508	2,617,000	2,556,657	3,070,102	3,237,865	3,419,477	6,231,878	6,765,238
0143290 - Misc Acct A/R	6,844,384	7,495,839	8,100,778	7,709,419	8,393,309	9,098,864	2,962,874	3,801,419	4,125,803	5,123,583	6,029,346	6,331,221	6,331,221
0143320 - Mar Billed - Edp	5,592,783	5,132,436	5,647,518	5,584,872	5,200,901	4,628,195	5,791,375	5,929,386	6,054,851	6,424,087	5,730,805	9,909,013	7,934,284
0143430 - Wholesale Revenue - Billed	93	93	93	93	93	407,072	93	10,259	11,613	11,613	11,613	11,613	11,613
0143012 - A/R - Employee Misc	0	0	0	0	0	0	0	0	0	0	0	622	99
0143223 - IT Tax Reclass State Dr	512,597	512,597	512,597	0	0	0	0	0	0	0	0	0	0
0143272 - Misc Accts Rec-EA	0	0	0	0	0	95,550	95,550	95,550	95,550	95,550	0	0	0
0143870 - Cust Billing-Outdoor Light	0	0	0	321	1,130	1,130	8,728	12,489	12,489	12,489	12,489	12,489	11,359
0143927 - Employee Receivables	6,547	6,895	6,547	6,547	6,895	6,547	6,547	6,547	6,547	6,547	0	0	0
0143155 - Other A/R - Miscellaneous	2,201,642	48,238,757	1,267,707	2,297,304	1,190,692	1,518,342	19,363,600	19,629,326	20,112,655	20,128,627	19,798,682	19,761,328	19,474,639
0143022 - A/R Byproducts	29,292	24,420	31,769	14,195	8,968	31,442	38,859	31,049	48,532	62,946	63,165	12,501	2,474
0142999 - AR Estimate Unbilled	(7,062,899)	41,196,087	40,606,151	49,731,831	53,915,091	56,542,943	52,177,108	50,398,378	39,118,316	21,412,332	13,432,779	(82,8380)	1,541,733
0143342 - Receivables Misc Transactions	487,321	197	197	197	197	197	197	197	197	197	197	197	0
0143119 - Off - System Storms Receivables	41,703	369,561	1,838,677	6,870,151	7,414,255	18,116,037	(11,512)	1,907	27,101	11,743	15,801	16,147	38,431
0143970 - State Tax Refunds - External	0	0	0	0	0	0	0	0	0	0	0	0	0
0143992 - Fed Tax Receivable - Audit	84,600,893	84,600,893	0	0	0	0	0	0	0	0	0	0	0
0143980 - Franchise Tax Rec - Ext	605,743	605,743	605,743	605,743	605,743	605,743	605,743	605,743	605,743	605,744	605,743	605,743	605,743
0143068 - Parking Funding Receivable	0	12	12	0	0	0	0	0	0	0	0	0	0
0143623 - A/R - DPL Transmission (I)	0	2,074	0	0	0	0	0	0	0	0	0	0	0
0143023 - A/R Byproducts - Gypsum	0	0	0	78,374	(415,733)	0	0	0	0	0	0	0	0
<b>143 Other Accounts Receivable</b>	<b>120,073,290</b>	<b>210,666,407</b>	<b>80,576,661</b>	<b>93,412,443</b>	<b>90,737,704</b>	<b>97,459,734</b>	<b>88,243,708</b>	<b>88,319,014</b>	<b>79,118,651</b>	<b>63,555,650</b>	<b>56,171,777</b>	<b>48,593,713</b>	<b>68,114,949</b>
0144330 - Allowance For Doubtful Account	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)
0144700 - Prov for MARBS Uncollectibles	(1,458,355)	(1,514,250)	(1,506,226)	(1,737,890)	(1,812,174)	(1,913,300)	(1,958,689)	(2,039,381)	(2,090,851)	(2,157,758)	(2,203,432)	(2,188,022)	(2,357,981)
<b>144 Accum Prov for Uncollectible Account</b>	<b>(6,458,355)</b>	<b>(6,514,250)</b>	<b>(6,506,226)</b>	<b>(6,737,890)</b>	<b>(6,812,174)</b>	<b>(6,913,300)</b>	<b>(6,958,689)</b>	<b>(7,039,381)</b>	<b>(7,090,851)</b>	<b>(7,157,758)</b>	<b>(7,203,432)</b>	<b>(7,188,022)</b>	<b>(7,357,981)</b>
0145004 - IC Moneypool - ST Notes Receiv	0	0	0	0	0	0	0	0	169,102,000	51,633,000	0	0	0
<b>145 Notes Receivable from Associated Companies</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>169,102,000</b>	<b>51,633,000</b>	<b>-</b>	<b>-</b>	<b>-</b>

/A

Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
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Item No. 22

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

Request:  
None

Response:

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 23**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

- a. Provide the financial forecast for the next three (3) years (may be two (2) years if first year in forecast is test year and a more recent forecast does not exist). Include major data and assumptions necessary to arrive at forecast (except earned return and net income). The forecast should include the following information:
    1. Capital requirements:
      - a. Construction costs:
        - i. Production facilities
        - ii. Transmission facilities
        - iii. Distribution facilities
        - iv. General facilities
      - b. Nuclear fuel costs
      - c. Equity component of AFUDC
      - d. Net change in working capital
      - e. Maturities, sinking funds and other requirements
    2. Sources of Capital:
      - a. Internal cash generation - please categorize by major source if possible
      - b. Outside financing program:
        - i. Long-term debt
        - ii. Preferred stock
        - iii. Common stock, and
        - iv. Net change in short-term debt
      3. Capital structure
      4. Monthly operating budgets
- Note: Nantahala may omit 23a.

- b. Provide a three year annual construction budget (according to the format shown under 23-1a above) for the test year and the next three (3) years after the test year if not included in Item 23a.

**Response:**

Please see the attached file named "DEP 2019 E-1 No. 23a\_23b\_33d\_38.xlsx".



DEP 2019 E-1 No.  
 23a\_23b\_33d\_38.xlsx

Duke Energy Progress  
Docket No. E-2, Sub 1219  
For the test year ended December 31, 2018  
Financial Forecast

## Financial Data

Line	Projected (\$ in Millions)				
	2019	2020	2021	2022	2023
<b>Capital Requirements</b>					
Construction Costs					
Production Facilities	\$ 766	\$ 389	\$ 643	\$ 833	\$ 809
Transmission Facilities	\$ 210	\$ 228	\$ 159	\$ 341	\$ 239
Distribution Facilities	\$ 632	\$ 611	\$ 657	\$ 724	\$ 736
General Facilities	\$ 146	\$ 103	\$ 100	\$ 101	\$ 26
1 Construction Costs (Note A)	\$ 1,755	\$ 1,332	\$ 1,558	\$ 1,999	\$ 1,810
2 Nuclear Fuel Costs (Note A)	\$ 126	\$ 189	\$ 162	\$ 169	\$ 133
3 Equity component of AFUDC	\$ 69	\$ 31	\$ 31	\$ 48	\$ 72
4 Long-Term Debt, Capital Stock Retired or Reacquired (Note B)	\$ 600	\$ 1,000	\$ 600	\$ 500	\$ 300
5 Changes in Working Capital	\$ 883	\$ 322	\$ 437	\$ 391	\$ 392
6 Other, Including Dividends	2	1	(0)	(0)	(0)
7 Total Capital Requirements	\$ 3,435	\$ 2,874	\$ 2,788	\$ 3,107	\$ 2,707
8 Provided by Internal Cash	71%	101%	89%	86%	105%
<b>Sources of Capital</b>					
Internal Cash					
9 Depreciation and Amortization	\$ 1,455	\$ 1,452	\$ 1,607	\$ 1,638	\$ 1,674
10 Other (Note D)	\$ 989	\$ 1,444	\$ 887	\$ 1,034	\$ 1,164
11 Total Internal Cash	\$ 2,444	\$ 2,896	\$ 2,494	\$ 2,672	\$ 2,837
12 Outside Financing	\$ 975	\$ (22)	\$ 294	\$ 435	\$ (130)
13 Total Sources of Capital	\$ 3,419	\$ 2,874	\$ 2,788	\$ 3,107	\$ 2,707
<b>Tentative Financing Program</b>					
14 Long-Term Debt (Note B)	\$ 1,250	\$ 900	\$ 900	\$ 950	\$ 700
15 Preferred Stock	-	-	-	-	-
16 Common Stock	-	(925)	(575)	(525)	(800)
17 Infusion From/(To) Parent	(275)	3	(31)	10	(30)
18 Net Change in Short Term Debt	\$ 975	\$ (22)	\$ 294	\$ 435	\$ (130)
19 Total					
<b>Capital Structure (Note C)</b>					
20 Capitalization	\$ 18,235	\$ 18,040	\$ 18,669	\$ 19,613	\$ 20,395
<b>Ratios (Note C)</b>					
21 Long-Term Debt	48%	48%	48%	48%	48%
22 Preferred Stock	0%	0%	0%	0%	0%
23 Common Stock	52%	52%	52%	52%	52%

A Only the debt component of AFUDC is included in these costs.

B Includes current maturities related to long-term debt.

Current maturities at year end are \$1,000 in 2019, \$600 in 2020, \$500 in 2021 and \$300 in 2022.

C "Capitalization" and "Ratios" exclude short-term debt.

D "Other" includes earnings, net deferred taxes and investment tax credits and other miscellaneous items.

Item No. 24

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1**  
**For the test year ended December 31, 2018**

☐ **CONFIDENTIAL**☒ **NOT CONFIDENTIAL****Request:**

- a. Provide a calculation of the rate or rates used to capitalize the allowance for funds used during construction (AFUDC) for the test year and the two (2) preceding calendar years. Provide a brief description of each item entering into the calculation of this rate.
- b. Provide an explanation of the mechanics of the AFUDC accrual procedures, including the items to which the rate is applied.

**Response:**

Please see attached file named "DEP Rate Case E1-24 AFUDC\_2018.xlsx".



DEP Rate Case E1 24  
AFUDC\_2018.xlsx

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

Item No. 24a

Duke Energy Progress calculates the AFUDC rate based on formulas described in the FERC guidance and by NCUC Order.  
The allowance for funds rate is calculated semi-annually (June 30 and December 31).

Both FERC and NCUC formulas compute the maximum allowable rate. The lower of the two calculated rates is applied to AFUDC eligible projects

NCUC formula is the same as FERC, except for the differences in the components of rate calculation as described below for Duke Energy Progress.

COMPONENT	FERC		NCUC	
	Short Term Debt	Long Term Debt	Equity	CWIP
	Twelve month average (6 actuals and 6 estimates)		Six month average (estimates)	
	Balance as of the end of prior year		Average of book balances for the last 2 six-month periods	
	Balance as of the end of prior year		Average of book balances for the last 2 six-month periods	
	Thirteen month average (7 actuals and 6 estimates)		Seven month average (6 estimates and 1 actual)	

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 25

☐ CONFIDENTIAL

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**Request:**

The information, as soon as it is known, which would have a material effect on net operating income, rate base, and cost of capital which occurred after the test year and was not incorporated in the prefilled testimony.

**Response:**

There is no information which would have a material effect on net operating income, rate base, or cost of capital which occurred after the test year that is not incorporated in the pre-filed testimony.



DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 26

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

Request:

None

Response:

Item No. 27

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

Request:

None

Response:

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 28

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

Request:

None

Response:

Item No. 29

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

Request:

None

Response:

**DUKE ENERGY PROGRESS, LLC**  
**Docket No E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 30**

☐ **CONFIDENTIAL**

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**Request:**

None

**Response:**

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 31

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

Request:

None

Response:

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request 32  
For the test year ended December 31, 2018

Item No. 32

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

Request:

None

Response:

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 33**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

- a. Capital structure at end of each calendar year for the previous ten (10) years if not included in the statistical supplement in Item 21
- b. Capital structure at end of latest available quarter
- c. Provide the balances in long-term debt, preferred stock, and common equity capital for each month of the test year. See Format 33c.
- d. Capital structure forecasted 12 and 24 months beyond latest available year end (include all data and assumptions necessary to arrive at forecast). This may be omitted if the information is included in Item 23. Items 33a-d should include the following information:
  1. Class of capital
  2. Amount of each class (\$)
  3. Ratio of each class to total
  4. Total capitalization (\$)

**Response:**

For response to E-1 #33a-c, see attached file, DEP E1 - 33a-c Capital Structure and for the response to part d regarding the forecasted Capital Structure, see file named "DEP 2019 E-1 No. 23a\_23b\_33d\_38.xlsx".



DEP 2019 E-1 No. 23a\_23b\_33d\_38.xlsx



DEP E1 - 33a-c Capital Structure.xlsx



Progress Energy Carolinas, LLC  
Docket No. E-2, Sub 1219  
For the test year ended December 31, 2018  
Financial Forecast

## Financial Data

Line		Projected (\$ in Millions)				
		2019	2020	2021	2022	2023
<b>Capital Requirements</b>						
Construction Costs						
	Production Facilities	\$ 766	\$ 389	\$ 643	\$ 833	\$ 809
	Transmission Facilities	\$ 210	\$ 228	\$ 159	\$ 341	\$ 239
	Distribution Facilities	\$ 632	\$ 611	\$ 657	\$ 724	\$ 736
	General Facilities	\$ 146	\$ 103	\$ 100	\$ 101	\$ 26
1	Construction Costs (Note A)	\$ 1,755	\$ 1,332	\$ 1,558	\$ 1,999	\$ 1,810
2	Nuclear Fuel Costs (Note A)	\$ 126	\$ 189	\$ 162	\$ 169	\$ 133
3	Equity component of AFUDC	\$ 69	\$ 31	\$ 31	\$ 48	\$ 72
4	Long-Term Debt, Capital Stock Retired or Reacquired (Note B)	\$ 600	\$ 1,000	\$ 600	\$ 500	\$ 300
5	Changes in Working Capital	\$ 883	\$ 322	\$ 437	\$ 391	\$ 392
6	Other, including Dividends	2	1	(0)	(0)	(0)
7	Total Capital Requirements	\$ 3,435	\$ 2,874	\$ 2,788	\$ 3,107	\$ 2,707
8	Provided by Internal Cash	71%	101%	89%	86%	105%
<b>Sources of Capital</b>						
Internal Cash						
9	Depreciation and Amortization	\$ 1,455	\$ 1,452	\$ 1,607	\$ 1,638	\$ 1,674
10	Other (Note D)	\$ 989	\$ 1,444	\$ 887	\$ 1,034	\$ 1,164
11	Total Internal Cash	\$ 2,444	\$ 2,896	\$ 2,494	\$ 2,672	\$ 2,837
12	Outside Financing	\$ 975	\$ (22)	\$ 294	\$ 435	\$ (130)
13	Total Sources of Capital	\$ 3,419	\$ 2,874	\$ 2,788	\$ 3,107	\$ 2,707
<b>Tentative Financing Program</b>						
14	Long-Term Debt (Note B)	\$ 1,250	\$ 900	\$ 900	\$ 950	\$ 700
15	Preferred Stock	-	-	-	-	-
16	Common Stock	-	-	-	-	-
17	Infusion From/(To) Parent	-	(925)	(575)	(525)	(800)
18	Net Change in Short Term Debt	(275)	3	(31)	10	(30)
19	Total	\$ 975	\$ (22)	\$ 294	\$ 435	\$ (130)
<b>Capital Structure (Note C)</b>						
20	Capitalization	\$ 18,235	\$ 18,040	\$ 18,669	\$ 19,613	\$ 20,395
<b>Ratios (Note C)</b>						
21	Long-Term Debt	48%	48%	48%	48%	48%
22	Preferred Stock	0%	0%	0%	0%	0%
23	Common Stock	52%	52%	52%	52%	52%
A	Only the debt component of AFUDC is included in these costs.					
B	Includes current maturities related to long-term debt. Current maturities at year end are \$1,000 in 2019, \$600 in 2020, \$500 in 2021 and \$300 in 2022.					
C	"Capitalization" and "Ratios" exclude short-term debt.					
D	"Other" includes earnings, net deferred taxes and investment tax credits and other miscellaneous items.					

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018  
000's Omitted

Item No. 33c  
Page 1 of 1

Line No.	Item (a)	Long-Term Debt (b)	Preferred Stock (c)	Common Equity (d)	Total Capital (e)
1	Balance at beginning of test year	7,257,297	-	8,233,254	15,490,551
2	January '18	7,257,381	-	8,372,831	15,630,212
3	February '18	7,257,465	-	8,352,877	15,610,342
4	March '18	7,257,548	-	8,410,809	15,668,357
5	April '18	7,257,632	-	8,425,369	15,683,001
6	May '18	7,257,716	-	8,495,505	15,753,221
7	June '18	7,257,799	-	8,542,296	15,800,095
8	July '18	7,257,883	-	8,648,005	15,905,888
9	August '18	8,057,852	-	8,559,051	16,616,903
10	September '18	8,057,937	-	8,584,080	16,642,017
11	October '18	8,058,021	-	8,639,914	16,697,935
12	November '18	8,058,106	-	8,704,904	16,763,010
13	December '18	8,108,191	-	8,717,931	16,826,122
14	Total (L1 through L13)	98,400,828	-	110,686,826	209,087,654
15	Average Balance (L14 : 13)	7,569,294	-	8,514,371	16,083,666
16	Average capitalization ratios	47.06%	0.00%	52.94%	
17	End-of-Period capitalization ratios	48.19%	0.00%	51.81%	

Note: Amounts above exclude account 216.1 - Unappropriated Undistributed Subsidiary Earnings

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 34**

☐ **CONFIDENTIAL**

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**Request:**

- a. List all outstanding issues of long-term debt as of end of the latest calendar year and at the end of the test period in accordance with format 34-a.
- b. Provide calculations of embedded cost of long-term debt at the end of each of the previous two (2) years. Also, provide this calculation for the end of the test period. Provide underlying details supporting the calculations.
- c. Project expected issues of long-term debt for the 12-month period beyond most recently available year end data, also provide approximate dates and amounts of planned issues.

**Response:**

- a. See attachment DEP Rate Case E-1 34a Outstanding Long-Term Debt.xlsx
- b. See attachment DEP Rate Case E-1 34b Embedded Cost of Long-Term Debt.xlsx
- c. Duke Energy Progress executed a \$700 million bank term loan on December 14, 2018 with an initial draw at closing of \$50 million. A second draw of the term loan in the amount of \$250 million occurred on January 24, 2019, and the remaining balance of \$400 million was drawn on February 15, 2019. Additionally, Duke Energy Progress closed on \$600 million of first mortgage bonds on March 7, 2019. Duke Energy Progress also increased the facility size under Duke Energy Progress Receivables, LLC from \$300 million to \$325 million effective March 26, 2019. Borrowings were also increased from \$300 million to \$325 million as of March 31, 2019. The current Duke Energy Progress projection for 2019 does not reflect any additional debt issuances. The Company will monitor needs for Duke Energy Progress throughout the year and adjust as needed.



DEP Rate Case E-1  
34a Outstanding Lc



DEP Rate Case E-1  
34b Embedded Lon

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Outstanding Long-Term Debt  
For the test year ended December 31, 2018  
(Dollars in 000's)

E-1 Item 34A

Line No.	Type Obligation (Bonds, Debentures, Notes, etc.)	Issue Date	Maturity Date	Amount O/S (in thousands)	Coupon Rate	12/31/2018		Net Proceeds to Duke Cost Rate*		Bond Rating @ Issue Date	
						Cost Rate to Maturity %	Cost Rate At Issue %			Moody's	S & P
1	First Mortgage Bond Taxable	10/02/91	09/15/21	\$ 100,000	8.625%	8.625%	8.694%			A2	A
2	First Mortgage Bond Taxable	09/11/03	09/15/33	\$ 200,000	6.125%	6.125%	6.306%			A3	BBB
3	First Mortgage Bond Taxable	03/22/05	04/01/35	\$ 200,000	5.700%	5.700%	5.780%			A3	BBB
4	First Mortgage Bond Taxable	03/13/08	04/01/38	\$ 325,000	6.300%	6.300%	6.379%			A2	A-
5	First Mortgage Bond Taxable	01/15/09	01/15/19	\$ 600,000	5.300%	5.300%	5.387%			A2	A-
6	First Mortgage Bond Taxable	09/15/11	09/15/21	\$ 500,000	3.000%	3.000%	3.086%			A1	A
7	First Mortgage Bond Taxable	05/18/12	05/15/22	\$ 500,000	2.800%	2.800%	2.901%			A1	A
8	First Mortgage Bond Taxable	05/18/12	05/15/42	\$ 500,000	4.100%	4.100%	4.181%			A1	A
9	First Mortgage Bond Taxable	03/12/13	03/15/43	\$ 500,000	4.100%	4.100%	4.187%			A1	A
10	First Mortgage Bond Taxable	03/06/14	03/30/44	\$ 400,000	4.375%	4.375%	4.421%			Aa2	A
11	First Mortgage Bond Taxable	11/20/14	12/01/44	\$ 500,000	4.150%	4.150%	4.214%			Aa2	A
12	First Mortgage Bond Taxable	08/13/15	08/15/25	\$ 700,000	4.200%	4.200%	3.350%			Aa2	A
13	First Mortgage Bond Taxable	08/13/15	08/15/45	\$ 700,000	4.200%	4.200%	4.275%			Aa2	A
14	First Mortgage Bond Taxable	09/16/16	10/15/46	\$ 450,000	3.700%	3.700%	3.756%			Aa3	A
15	First Mortgage Bond Taxable	09/08/17	09/08/20	\$ 300,000	floating	2.947%	variable			Aa3	A
16	First Mortgage Bond Taxable	09/08/17	09/15/47	\$ 500,000	3.600%	3.600%	3.649%			Aa3	A
17	First Mortgage Bond Taxable	08/09/18	09/01/23	\$ 300,000	3.375%	3.375%	3.452%			Aa3	A
18	First Mortgage Bond Taxable	08/09/18	09/01/28	\$ 500,000	3.700%	3.700%	3.756%			Aa3	A
19	Pollution Control Bond backed by FNB	06/06/13	06/01/41	\$ 48,485	4.000%	4.000%	4.024%			A1	A
20	Secured - Accounts Receivable Securitization	12/20/13	02/22/21	\$ 180,000	floating	3.335%	variable			n/a	n/a
21	Secured - Accounts Receivable Securitization	12/20/13	02/22/21	\$ 120,000	floating	3.514%	variable			n/a	n/a
22	Unsecured - Term Loan	12/20/13	12/31/20	\$ 50,000	floating	3.040%	variable			n/a	n/a
23	Commercial Paper LTD	03/16/23	03/16/23	\$ 150,000	market	2.794%	variable			n/a	n/a
24	Capital Lease - Harris E&E Center	04/01/01	04/01/51	\$ 1,854	8.915%	8.915%	8.915%			n/a	n/a
25	Capital Lease - PEB Building	08/24/77	11/30/43	\$ 10,360	8.500%	8.500%	8.500%			n/a	n/a
26	Capital Lease - PNCG Transport Wayne Pipeline	06/01/12	05/31/32	\$ 105,999	13.948%	13.948%	13.948%			n/a	n/a
27	Capital Lease - NCEMC	07/01/12	02/01/45	\$ 18,336	8.443%	8.443%	8.443%			n/a	n/a
28	Unamortized Debt Discount/Premium			\$ (15,294)							
29	Unamortized Debt Issuance Costs			\$ (40,342)							
30	Less: Current portion of LTD			\$ (603,248)						n/a	n/a
31	Long-Term Portion of Debt			\$ 7,601,150							
32	Long-Term Debt (including current maturities)			\$ 8,204,398							

Note: Totals may not foot due to rounding.

Reconciliation to Regulatory Cap Structure	
Less	
Capital Leases	\$ (136,549)
Current Maturities	\$ (600,000)
Unamortized Debt Discount/Premium, Current	\$ 2
Unamortized Debt Issuance Costs	\$ 40,342
Debt for Regulatory Cap Structure	\$ 7,508,193

Notes:

Capital leases are excluded from regulatory capital structure for DEP. Both interest & depreciation on the leases are included in O&M expense instead. Account 181 - Unamortized Debt Expense is included in rate base, and therefore, is excluded from regulatory capital structure.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Embedded Cost of Long Term Debt  
For the Year ended December 31, 2018  
(Dollars in 000's)

E-1 Item 34b

Duke Energy Progress Debt Detail - LTD Schedule  
Debt as of December 31, 2017

Line Number	Entity	Type of Obligation	A	B	C	D	E	F	G	H	I	J	K
				Rate	Interest Type	Issue Date	Maturity Date	Interest	Issue Amount	Outstanding Balance	Current Portion	LTD Outstanding	Annualized Interest Expense
1	Duke Energy Progress	First Mortgage Bond Taxable		8.625%	Fixed	10/02/91	09/15/21	8,625	100,000	100,000	-	100,000	8,625
2	Duke Energy Progress	First Mortgage Bond Taxable		6.125%	Fixed	09/11/03	09/15/33	12,250	200,000	200,000	-	200,000	12,250
3	Duke Energy Progress	First Mortgage Bond Taxable		5.700%	Fixed	03/22/05	04/01/35	11,400	200,000	200,000	-	200,000	11,400
4	Duke Energy Progress	First Mortgage Bond Taxable		6.300%	Fixed	03/13/08	04/01/38	20,475	325,000	325,000	-	325,000	20,475
5	Duke Energy Progress	First Mortgage Bond Taxable		5.300%	Fixed	01/15/09	01/15/19	31,800	600,000	600,000	-	600,000	31,800
6	Duke Energy Progress	First Mortgage Bond Taxable		3.000%	Fixed	09/15/11	09/15/21	15,000	500,000	500,000	-	500,000	15,000
7	Duke Energy Progress	First Mortgage Bond Taxable		2.800%	Fixed	05/18/12	05/15/22	14,000	500,000	500,000	-	500,000	14,000
8	Duke Energy Progress	First Mortgage Bond Taxable		4.100%	Fixed	03/12/13	03/15/43	20,500	500,000	500,000	-	500,000	20,500
9	Duke Energy Progress	First Mortgage Bond Taxable		4.100%	Fixed	03/06/14	03/30/44	17,500	400,000	400,000	-	400,000	17,500
10	Duke Energy Progress	First Mortgage Bond Taxable		4.375%	Fixed	11/20/14	12/01/44	20,750	500,000	500,000	-	500,000	20,750
11	Duke Energy Progress	First Mortgage Bond Taxable		4.150%	Fixed	08/13/15	08/15/45	16,250	500,000	500,000	-	500,000	16,250
12	Duke Energy Progress	First Mortgage Bond Taxable		3.250%	Fixed	08/13/15	08/15/45	29,400	700,000	700,000	-	700,000	29,400
13	Duke Energy Progress	First Mortgage Bond Taxable		4.200%	Fixed	09/16/16	10/15/46	16,650	450,000	450,000	-	450,000	16,650
14	Duke Energy Progress	First Mortgage Bond Taxable		3.700%	Fixed	09/08/17	09/08/20	4,971	300,000	300,000	-	300,000	4,971
15	Duke Energy Progress	First Mortgage Bond Taxable		1.657%	Floating	06/06/13	06/01/41	1,939	500,000	500,000	-	500,000	1,939
16	Duke Energy Progress	First Mortgage Bond Taxable		3.600%	Fixed	09/16/17	09/15/47	18,000	48,485	48,485	-	180,000	3,854
17	Duke Energy Progress	Pollution Control Bond backed by FME		4.000%	Fixed	02/12/19	02/12/19	2,569	120,000	120,000	-	120,000	2,570
18	Duke Energy Progress	Secured - Accounts Receivable Securitization		2.141%	Floating	12/20/13	12/20/13	2,354	150,000	150,000	-	150,000	2,354
19	Duke Energy Progress	Secured - Accounts Receivable Securitization		2.142%	Floating	04/01/01	04/01/51	168	15,000	1,987	33	18,354	165
20	Duke Energy Progress	Commercial Paper LTD		1.569%	Fixed	08/02/47	11/30/43	890	10,476	10,476	116	10,360	891
21	Duke Energy Progress	Capital Lease - Harris E&E Center		8.915%	Fixed	08/01/12	05/31/32	15,137	108,528	108,528	2,529	105,999	14,765
22	Duke Energy Progress	Capital Lease - F&B Building		8.500%	Fixed	07/01/12	02/01/45	1,564	18,520	18,520	194	18,336	1,548
23	Duke Energy Progress	Capital Lease - PNG Transport Wayne Pipeline		13.948%	Fixed					(16,188)	-	(16,188)	-
24	Duke Energy Progress	Capital Lease - NCEMC		8.443%	Fixed					(39,669)	-	(39,669)	-
25	Duke Energy Progress	Unamortized Debt Discount/Premium											
26	Duke Energy Progress	Unamortized Debt Issuance Cost											
27	Balance per SEC Reports												
28								306,548		7,357,038	2,892	7,354,176	306,167
29	Reconciliation to Debt in Regulatory Capital Structure												
30	Less:												
31	Duke Energy Progress, Inc.	Capital Leases								139,410		136,549	17,379
32	Duke Energy Progress, Inc.	Unamortized Debt Issuance Costs								(39,669)		(39,669)	-
33	Plus: Amortization of Debt Discount and Loss (Accounts 428 & 428.1												6,068
34	Plus: Amortization of Gains or Losses on Interest Rate Hedge												12,362
35	Debt Balance per Quarterly Financial Report												
36										7,257,297		7,257,297	307,238
37	Embedded Cost of Debt	Annualized Interest Expense / LTD Outstanding											4.23%
38													
39	Regulatory Common Equity												
40	Total Proprietary Capital									7,948,667		7,948,667	
41	Less: 02/16/00 - Unappr Undistr Subsid Earning									(284,587)		(284,587)	
42	Regulated Equity Balance									8,233,254		8,233,254	
43													
44													
45	Total Regulated Capitalization									15,490,551		15,490,551	
46	Debt Ratio									46.85%		46.85%	
47	Equity Ratio									53.15%		53.15%	
48													
49	Notes:												
50	Capital leases are excluded from regulatory capital structure for DEP. Both interest & depreciation on the leases are included in O&M expense instead. Account 181 - Unamortized Debt Expense is included in rate base, and therefore, is excluded from regulatory capital structure.												
51	Regulatory capital structure excludes balance in 216.1 from equity balance, because it relates to unregulated business.												

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Embedded Cost of Long Term Debt  
For the Test Year ended December 31, 2018  
(Dollars in 000's)

E-1 Item 34b

Duke Energy Progress Debt Detail - LTD Schedule  
Debt as of December 31, 2018

Line Number	Entity	Type of Obligation	Rate	Interest Type	Issue Date	Maturity Date	Interest	Issue Amt	Outstanding Balance	Current Portion	LTD Outstanding	Annualized Interest Expense
1	Duke Energy Progress	First Mortgage Bond Taxable	8.625%	Fixed	10/02/91	09/15/21	8,625	100,000	100,000	-	100,000	8,625
2	Duke Energy Progress	First Mortgage Bond Taxable	6.125%	Fixed	09/11/03	09/15/33	12,250	200,000	200,000	-	200,000	12,250
3	Duke Energy Progress	First Mortgage Bond Taxable	5.700%	Fixed	03/22/05	04/01/35	11,400	200,000	200,000	-	200,000	11,400
4	Duke Energy Progress	First Mortgage Bond Taxable	6.300%	Fixed	03/13/08	04/01/38	20,475	325,000	325,000	-	325,000	20,475
5	Duke Energy Progress	First Mortgage Bond Taxable	5.300%	Fixed	01/15/09	01/15/19	31,800	600,000	600,000	600,000	-	-
6	Duke Energy Progress	First Mortgage Bond Taxable	3.000%	Fixed	09/15/11	09/15/21	15,000	500,000	500,000	-	500,000	15,000
7	Duke Energy Progress	First Mortgage Bond Taxable	2.800%	Fixed	05/18/12	05/15/22	14,000	500,000	500,000	-	500,000	14,000
8	Duke Energy Progress	First Mortgage Bond Taxable	4.100%	Fixed	03/12/13	03/15/43	20,500	500,000	500,000	-	500,000	20,500
9	Duke Energy Progress	First Mortgage Bond Taxable	4.375%	Fixed	03/06/14	03/30/44	17,500	400,000	400,000	-	400,000	17,500
10	Duke Energy Progress	First Mortgage Bond Taxable	4.150%	Fixed	08/13/15	08/15/25	20,750	500,000	500,000	-	500,000	20,750
11	Duke Energy Progress	First Mortgage Bond Taxable	3.250%	Fixed	08/13/15	08/15/45	16,250	700,000	700,000	-	700,000	16,250
12	Duke Energy Progress	First Mortgage Bond Taxable	4.200%	Fixed	08/13/15	08/15/45	29,400	450,000	450,000	-	450,000	29,400
13	Duke Energy Progress	First Mortgage Bond Taxable	3.700%	Fixed	09/16/16	09/15/46	16,650	300,000	300,000	-	300,000	16,650
14	Duke Energy Progress	First Mortgage Bond Taxable	2.947%	Floating	09/08/17	09/08/20	4,971	500,000	500,000	-	500,000	8,841
15	Duke Energy Progress	First Mortgage Bond Taxable	3.600%	Fixed	08/09/17	09/15/47	18,000	300,000	300,000	-	300,000	18,000
16	Duke Energy Progress	First Mortgage Bond Taxable	3.375%	Fixed	08/09/18	09/01/23	10,125	500,000	500,000	-	500,000	10,125
17	Duke Energy Progress	First Mortgage Bond Taxable	4.000%	Fixed	06/06/13	06/01/41	1,939	48,485	48,485	-	48,485	1,939
18	Duke Energy Progress	Secured - Accounts Receivable Securitization	3.335%	Floating	12/20/13	02/22/21	6,003	180,000	180,000	-	180,000	6,003
19	Duke Energy Progress	Secured - Accounts Receivable Securitization	3.514%	Floating	12/20/13	02/22/21	4,217	120,000	120,000	-	120,000	4,217
20	Duke Energy Progress	Unsecured - Term Loan	3.040%	Floating	12/14/18	03/16/23	1,520	50,000	50,000	-	50,000	1,520
21	Duke Energy Progress	Commercial Paper LTD	2.794%	Floating	04/01/01	04/01/51	165	150,000	150,000	36	150,000	4,191
22	Duke Energy Progress	Capital Lease - Harris E&C Center	8.915%	Fixed	08/24/77	11/30/83	881	10,360	10,360	128	10,233	182
23	Duke Energy Progress	Capital Lease - F&B Building	8.500%	Fixed	08/01/12	11/30/63	14,785	103,094	103,094	2,905	100,189	870
24	Duke Energy Progress	Capital Lease - NCEMC	13.948%	Fixed	06/01/12	05/31/32	1,548	700,000	700,000	200	680,000	14,380
25	Duke Energy Progress	Unamortized Debt Issuance Cost	8.443%	Fixed	07/01/12	02/01/45	1,548	700,000	700,000	(2)	(15,292)	1,531
26	Duke Energy Progress	Unamortized Debt Issuance Cost							(60,342)	(17)	(60,342)	-
27	Duke Energy Progress	Unamortized Debt Issuance Cost										
28	Duke Energy Progress	Unamortized Debt Issuance Cost										
29	Duke Energy Progress	Unamortized Debt Issuance Cost										
30	Duke Energy Progress	Unamortized Debt Issuance Cost										
31	Duke Energy Progress	Unamortized Debt Issuance Cost										
32	Duke Energy Progress	Unamortized Debt Issuance Cost										
33	Duke Energy Progress	Unamortized Debt Issuance Cost										
34	Duke Energy Progress, Inc.	Capital Leases							136,549	-	133,281	16,943
35	Duke Energy Progress, Inc.	Unamortized Debt Issuance Costs							(40,342)	-	(40,342)	-
36	Duke Energy Progress	Plus: Amortization of Debt Discount and Loss (Accounts 428 & 428.1										6,560
37	Duke Energy Progress	Plus: Amortization of Gains or Losses on Interest Rate Hedge										8,736
38	Duke Energy Progress	Debt Balance per Quarterly Financial Report							8,108,191		7,508,193	311,932
39	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
40	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
41	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
42	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
43	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
44	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
45	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
46	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
47	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
48	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
49	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
50	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
51	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
52	Duke Energy Progress	Debt Balance per Quarterly Financial Report										
53	Duke Energy Progress	Debt Balance per Quarterly Financial Report										

Notes:	
Capital leases are excluded from regulatory capital structure for DEP. Both interest & depreciation on the leases are included in O&M expense instead. Account 181 - Unamortized Debt Expense is included in rate base, and therefore, is excluded from regulatory capital structure.	
Regulatory capital structure excludes balance in 216.1 from equity balance, because it relates to unregulated business.	

Notes:  
Capital leases are excluded from regulatory capital structure for DEP. Both interest & depreciation on the leases are included in O&M expense instead. Account 181 - Unamortized Debt Expense is included in rate base, and therefore, is excluded from regulatory capital structure.  
Regulatory capital structure excludes balance in 216.1 from equity balance, because it relates to unregulated business.

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 35

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

**Request:**

- a. List all outstanding issues of preferred stock as of end of the latest calendar year and at the end of the test period in accordance with Format 35a.
- b. Provide calculations of embedded cost of preferred stock at the end of each of the previous two (2) years. Also, provide this calculation for the test period. Provide underlying details supporting the calculations.
- c. List expected issues of preferred stock in the 12 and 24 month periods beyond most recent available year end data. Also, provide approximate dates and amounts of planned issues.

**Response:**

- a. None issued.
- b. Not applicable.
- c. Duke Energy Progress does not issue preferred stock and has no plans to issue preferred stock through December 31, 2020. Duke Energy Corporation issued approximately \$1 billion of preferred stock in March of 2019 and will continue to monitor needs for Duke Energy Corporation and adjust as needed.



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 36**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

- a. Provide a listing of all issues of common stock in the primary market during the most recent five (5) year period. For Item 36a provide the following information;
  1. Date of issue
  2. Number of shares issued
  3. Date of announcement and registration
  4. Price per share (net to company) (\$)
  5. Book value per share at time of issue (\$)
  6. Selling expenses as % of gross issue amount
  7. Net proceeds to company
  8. Price per share to public
- b. Forecast expected issues of common stock during the 24 month period beyond the most recent year end. Provide the expected dates and amounts (\$ and number of shares).
- c. Provide the following information on a quarterly and yearly basis for the most recent ten (10) year period available through the latest available quarter. (Items (5) through (6) refer to yearly figures only.)
  1. Average number of shares of common outstanding
  2. Book value at end of quarter (year)
  3. Quarterly (yearly) earnings per share
  4. Declared quarterly (yearly) dividend rate per share
  5. Rate of return on average common equity
  6. Rate of return on year-end common equity
- d. Provide monthly market price figures for common stock for each month during the most recent five (5) year period. Include the following:
  1. Monthly high price
  2. Monthly low price
  3. Monthly closing price
  4. Note all stock splits by date and type

**Response:**

- a. See attachment DEP Rate Case E-1 #36a Common Stock Issuances.
- b. Duke Energy Progress does not issue any equity since the DUK shares are at the Duke Energy Corporation Consolidated level. There is no Duke equity publicly issued at the Duke Energy Progress level. Duke Energy Corporation Consolidated plans to issue approximately \$500 million of new common stock in 2019 and \$500 million of new common stock in 2020. The planned issuances are expected to be completed via the Company's Dividend Reinvestment Program and through its equity "At-the-market"

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Page 2

(ATM) program.

c. See attachment DEP Rate Case E-1 #36c Common Equity

d. See attachment DEP Rate Case E-1 #36d Share Prices



DEP Rate Case E-1 DEP Rate Case E-1 DEP Rate Case E-1  
36a Common Stock 36c Common Equity 36d Share Prices.xlsx



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Common Stock Issuances  
Test Year ended December 31, 2018

NCUC Form E-1  
Item No. 36a  
Page 1 of 1

Duke Energy Corporation  
Five-Year Common Stock Issued

Line Number	Company	Date of issue	Number of Shares	Date of announcement and registration		Price Per Share (net to company) (\$)	Book Value Per Share	Date for Book Value Shown	Selling Expenses as % of gross issue amount	Net Proceeds to Company (\$)	Price Per Share to Public
1	Duke Energy Corporation	March 1, 2016 (1)	10,637,500	February 29, 2016	\$	69.84	\$	Mar. 31, 2016	3.00%	\$ 742,923,000	\$ 72.00
2	Duke Energy Corporation	March 9, 2018 (2)	21,275,000	March 6, 2018	\$	74.07	\$	Dec. 31, 2017	1.24%	\$ 1,575,882,664	\$ 75.00
3	Duke Energy Corporation	June 2018 (3)	1,276,300	February 20, 2018	\$	72.02	\$	Jun. 30, 2018	0.75%	\$ 91,913,327	\$ 72.56
4	Duke Energy Corporation	June 2018 (3)	1,354,301	February 20, 2018	\$	78.71	\$	Jun. 30, 2018	0.75%	\$ 106,594,435	\$ 79.30
5	Duke Energy Corporation	November 2018 (3)	354,357	February 20, 2018	\$	84.03	\$	Sep. 30, 2018	0.75%	\$ 29,774,997	\$ 84.66
6	Duke Energy Corporation	2018 - DRIP (4)	2,183,037	N/A	\$	79.68	\$	Dec. 31, 2017	N/A	\$ 173,948,128	\$ 79.68
7											
8	Notes:										
9	(1) In March, 2016, DE Corporation marketed an equity offering of approximately 10.6 million shares of common stock. In lieu of issuing equity at the time of the offering, the Company entered into an equity forward agreement. On October 5, 2016, following the close of the Piedmont acquisition, DE Corporation physically settled the Equity forward in full by delivering approximately 10.6 million shares of common stock in exchange for net cash proceeds of approximately \$723 million.										
10	(2) In March, 2018, DE Corporation marketed an equity offering of approximately 21.3 million shares of common stock. In lieu of issuing equity at the time of the offering, the Company entered into an equity forward agreement. In June, 2018, the company settled approximately 10.6 million shares under the forward agreement for net cash proceeds of approximately \$781 million. In December, 2018, the Company settled the remaining approximately 10.6 million shares for net cash proceeds of approximately \$766 million.										
11	(3) In February 2018, Duke Energy filed a prospectus supplement and executed an Equity Distribution Agreement under which it may sell its common stock through an at-the-market (ATM) offering program, including an equity forward sales component. In June 2018, Duke Energy marketed two separate tranches, each for approximately 1.3 million shares, of common stock. The first tranche had an initial forward price of \$72.02 per share and the second tranche had an initial forward price of \$78.71 per share through equity forward transactions under the ATM program. Both tranches were physically settled in December 2018 by delivering 2.6 million shares of common stock in exchange for net cash proceeds of approximately \$195 million. In November 2018, Duke Energy sold an additional 354 thousand shares of common stock via a third tranche of the ATM. These shares were immediately, physically settled for net cash proceeds of approximately \$30 million. The ATM issues shares over several days or weeks. The Price Per Share to Public reflects the weighted average price per share issued.										
12	(4) For the year ended December 31, 2018, Duke Energy issued approximately 2.2 million shares through its Dividend Reinvestment Program (DRIP) with an increase in additional paid-in capital of approximately \$174 million.										
13	(5) Net proceeds to the Company are prior to any forward transaction costs incurred.										

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1219**  
**Common Equity**  
**For the test year ended December 31, 2018**

	Common Shares		Book Value	Earnings Per Share	Dividend Rate	Rate of Return on Common	
	Outstanding (000's)					Average	Year-end
2009 1st quarter	428,387	49.91	0.80	0.690			
2nd quarter	431,234	49.53	0.64	0.690			
3rd quarter	434,241	50.08	0.25	0.720			
4th quarter	436,354	50.16	0.79	0.720			
Year			2.50	2.820		5.0%	4.9%
2010 1st quarter	437,445	50.40	1.02	0.720			
2nd quarter	439,180	48.42	-0.51	0.720			
3rd quarter	441,275	50.19	1.52	0.735			
4th quarter	442,946	51.14	0.96	0.735			
Year			3.00	2.910		6.0%	5.8%
2011 1st quarter	443,711	51.51	1.15	0.735			
2nd quarter	443,914	51.14	0.98	0.735			
3rd quarter	444,013	51.57	1.06	0.750			
4th quarter	445,188	51.36	0.65	0.750			
Year			3.85	2.970		7.5%	7.5%
2012 1st quarter	446,018	51.29	0.66	0.750			
2nd quarter	446,221	50.46	1.00	0.750			
3rd quarter	704,191	58.22	0.84	0.765			
4th quarter	704,431	58.12	0.62	0.765			
Year			3.13	3.030		5.6%	4.3%
2013 1st quarter	705,705	58.14	0.90	0.765			
2nd quarter	705,885	56.95	0.48	0.765			
3rd quarter	705,974	58.41	1.42	0.780			
4th quarter	706,021	58.65	0.98	0.780			
Year			3.79	3.090		6.5%	6.4%
2014 1st quarter	707,099	57.68	-0.14	0.780			
2nd quarter	707,264	57.80	0.86	0.780			
3rd quarter	707,286	58.61	1.80	0.795			
4th quarter	707,310	57.82	0.14	0.795			
Year			2.67	3.150		4.6%	4.6%
2015 1st quarter	708,088	58.03	1.22	0.795			
2nd quarter	688,324	57.56	0.79	0.795			
3rd quarter	688,332	57.92	1.35	0.825			
4th quarter	688,357	57.78	0.69	0.825			
Year			4.07	3.240		7.0%	7.1%
2016 1st quarter	688,897	57.98	1.01	0.825			
2nd quarter	688,934	57.98	0.74	0.825			
3rd quarter	688,941	58.85	1.71	0.855			
4th quarter	699,594	58.66	-0.32	0.855			
Year			3.14	3.360		5.3%	5.2%
2017 1st quarter	699,884	58.85	1.02	0.855			
2nd quarter	699,950	59.00	0.98	0.855			
3rd quarter	699,976	59.49	1.36	0.890			
4th quarter	699,985	59.63	1.00	0.890			
Year			4.36	3.490		7.4%	7.3%
2018 1st quarter	701,007	59.63	0.88	0.890			
2nd quarter	712,287	59.69	0.71	0.890			
3rd quarter	712,805	60.34	1.51	0.928			
4th quarter	726,929	60.30	0.65	0.928			
Year			3.76	3.635		6.2%	6.1%

1 Information is for Duke Energy Corporation. Duke Energy Progress is a wholly-owned subsidiary of Duke Energy Corporation.

2 Amounts may not foot due to rounding

3 All per share data has been updated to reflect the 1:3 stock split that was executed on July 2, 2012. Annual earnings per share prior to 2012 may not foot, due to rounding.

## Duke Energy Progress, LLC

Docket No. E-2, Sub 1219

Share Prices

For the test year ended December 31, 2018

E-1 Item 36b

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
2014 Monthly High	70.62	71.74	71.22	74.80	74.58	74.19	74.39	73.99	74.90	82.29	83.50	86.83
Monthly Low	67.13	69.62	68.71	70.26	69.93	69.63	71.39	69.84	73.06	74.99	78.99	80.62
Monthly Close	70.62	70.88	71.22	74.49	71.08	74.19	72.13	73.99	74.77	82.15	80.90	83.54
2015 Monthly High	89.36	87.00	77.58	79.41	77.96	76.00	75.27	77.21	71.94	75.06	72.24	72.37
Monthly Low	82.84	78.55	74.28	76.83	74.44	70.62	71.08	70.21	67.74	70.67	65.83	66.13
Monthly Close	87.14	78.55	76.78	77.57	75.73	70.62	74.22	70.91	71.94	71.47	67.76	71.39
2016 Monthly High	75.30	79.17	80.68	81.13	81.08	85.79	87.23	85.65	82.52	80.02	79.65	78.02
Monthly Low	71.04	74.03	73.35	76.34	76.15	78.94	84.44	79.52	77.95	75.91	73.54	72.75
Monthly Close	75.30	74.28	80.68	78.78	78.23	85.79	85.59	79.66	80.04	80.02	73.77	77.62
2017 Monthly High	78.54	82.55	82.99	82.93	85.68	87.14	85.20	87.50	88.34	88.31	91.09	88.73
Monthly Low	76.50	76.78	80.05	82.03	82.04	83.59	83.18	85.17	83.92	83.85	87.86	83.60
Monthly Close	78.54	82.55	82.01	82.50	85.68	83.59	85.12	87.30	83.92	88.31	89.18	84.11
2018 Monthly High	83.23	77.92	77.59	80.50	79.98	79.52	81.62	82.28	83.47	84.75	88.57	90.90
Monthly Low	76.82	74.32	75.17	76.14	73.68	72.12	78.64	80.35	78.09	79.19	81.66	83.91
Monthly Close	78.50	75.34	77.47	80.16	77.16	79.08	81.62	81.24	80.02	82.63	88.57	86.30

Note the above is for Duke Energy Corporation. Duke Energy Progress is a wholly-owned subsidiary of Duke Energy Corporation and does not have common stock in its legal form as a Limited Liability Company.

DUK stock price as recorded on the NYSE in U.S. dollars. Share Prices are based on end-of-day prices.

Oct 30 2019

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**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 37**

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**Request:**

- a. Provide figures showing computation of fixed charge coverage ratio (SEC Method, PRETAX, including Short Term Debt payments) at the end of each of the five (5) most recent prior years.
- b. Make projections of expected coverage ratios during the next 12 and 24 month periods assuming:
  1. Current rates remain in effect
  2. Proposed rates are put into effect at the end of the 6-month waiting period and allowed to stand

**Response:**

- a. Please see attached exhibit 12.4 filed with the SEC for years 2013-2017. As of November 5, 2018, DEP is no longer required to file this information with SEC. See the attached link for supporting documentation. Please refer to page 55. <https://www.sec.gov/rules/final/2018/33-10532.pdf>
- What follows is an excerpt for reference.
- f. Ratio of Earnings to Fixed Charges

**(1) Proposed Amendments**

Regulation S-K requires issuers that register debt securities to disclose the historical and pro forma ratios of earnings to fixed charges.<sup>202</sup> Regulation S-K also requires issuers that register preference equity securities to disclose the historical and pro forma ratio of combined fixed charges and preference dividends to earnings (collectively, “ratio of earnings to fixed charges”).<sup>203</sup> Regulation S-K further requires the filing of an exhibit setting forth the computation of any ratio of earnings to fixed charges.<sup>204</sup> Similarly, Instruction 7 to “Instructions as to Exhibits” of Form 20-F requires foreign private issuers to disclose how any ratio of earnings to fixed charges presented in the filing was calculated. U.S. GAAP and IFRS require disclosure of many of the components commonly used in this ratio (e.g., income, interest expense, lease expense), as well as information from which other ratios that convey reasonably similar information about an issuer’s ability to meet its financial obligations may be computed.

A variety of analytical tools are available today to investors that may accomplish a similar objective as the ratio of earnings to fixed charges. This ratio measures the issuer’s ability to service fixed financing expenses – specifically, interest expense, including management’s approximation of the portion of lease expense that represents interest expense, and preference dividend requirements – from earnings. Other ratios that accomplish similar objectives include other variations of the ratio of earnings to fixed charges.<sup>205</sup> the interest



coverage ratio, 206 and the debt-service coverage ratio, 207 which can be calculated based on information readily available in the financial statements. Certain components commonly used in the ratio of earnings to fixed charges, such as the portion of lease expense that represents interest<sup>208</sup> and the amortization of capitalized interest, are not readily available elsewhere. Despite this, the requirement to disclose the ratio of earnings to fixed charges, as opposed to the various components (e.g., income, interest expense, lease expense) of this ratio that investors may use as desired, may place undue emphasis on this particular measure.

Moreover, while debt agreements may contain fixed charge coverage covenants, 209 debt investors often negotiate contractual agreements with issuers to obtain financial information to meet their needs, 210 which may be more relevant and useful than a prescribed disclosure of a ratio of earnings to fixed charges. Companies are also required to discuss the material impacts of these covenants to the extent that they are reasonably likely to limit the company's ability to undertake additional financing or are reasonably likely to be breached. 211

Based on these considerations, the Commission proposed to remove the requirement to disclose the ratio of earning to fixed charges by deleting Item 503(d) and Item 601(b)(12).<sup>212</sup> The Commission also proposed to delete Instruction 7 to "Instructions as to Exhibits" of Form 20-F.

### (2) Comments on Proposed Amendments

Commenters were supportive of the proposed amendments.<sup>213</sup> One of these commenters indicated that, in its experience, the ratio of earnings to fixed charges is generally not used by investors or other users of financial statements, and debt covenant financial requirements may already be disclosed where material.<sup>214</sup> and vary significantly from company to company.<sup>215</sup> Another commenter, while supportive of the proposed amendments, recommended that the Commission obtain feedback from investors about the continued utility of the pro forma ratio disclosure, as information on a pro forma basis may not be as readily available.<sup>216</sup>

### (3) Final Amendments

We are adopting the amendments as proposed, including the elimination of the pro forma ratio. Although one commenter suggested that pro forma information may be less readily available, we note that information about the offering's effect on fixed charges, such as the interest rate, maturities, and amount of proceeds used to discharge indebtedness, is currently required by Item 504 of Regulation S-K.<sup>217</sup>

b. The Company does not forecast the fixed charge ratios.





## EXHIBIT 12.4

## COMPUTATION OF RATIO OF EARNINGS TO FIXED CHARGES - DUKE ENERGY PROGRESS

The ratio of earnings to fixed charges is calculated using the Securities and Exchange Commission guidelines.

(in millions)	Years Ended December 31,				
	2017	2016	2015	2014	2013
Earnings as defined for fixed charges calculation					
Add:					
Pretax income from continuing operations <sup>(a)</sup>	\$ 1,008	\$ 900	\$ 860	\$ 753	\$ 789
Fixed charges	330	305	318	305	289
<b>Total earnings</b>	<b>\$ 1,338</b>	<b>\$ 1,205</b>	<b>\$ 1,178</b>	<b>\$ 1,058</b>	<b>\$ 1,078</b>
Fixed charges:					
Interest on debt, including capitalized portions	\$ 289	\$ 267	\$ 254	\$ 238	\$ 224
Estimate of interest within rental expense	41	38	64	67	65
<b>Total fixed charges</b>	<b>\$ 330</b>	<b>\$ 305</b>	<b>\$ 318</b>	<b>\$ 305</b>	<b>\$ 289</b>
<b>Ratio of earnings to fixed charges</b>	<b>4.1</b>	<b>4.0</b>	<b>3.7</b>	<b>3.5</b>	<b>3.7</b>

(a) Excludes income or loss from equity investees.

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

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**Request:**

Provide a capital budgeting forecast for five (5) year period beginning after the end of the most recent year.

**Response:**

Please see the attached file named "DEP 2019 E-1 No. 23a\_23b\_33d\_38\_.xlsx".



DEP 2019 E-1 No.  
23a\_23b\_33d\_38\_.xls

Duke Energy Progress  
Docket No. E-2, Sub 1219  
For the test year ended December 31, 2018  
Financial Forecast

## Financial Data

Line	Projected (\$ in Millions)				
	2019	2020	2021	2022	2023
<b>Capital Requirements</b>					
Construction Costs					
Production Facilities	\$ 766	\$ 389	\$ 643	\$ 833	\$ 809
Transmission Facilities	\$ 210	\$ 228	\$ 159	\$ 341	\$ 239
Distribution Facilities	\$ 632	\$ 611	\$ 657	\$ 724	\$ 736
General Facilities	\$ 146	\$ 103	\$ 100	\$ 101	\$ 26
1 Construction Costs (Note A)	\$ 1,755	\$ 1,332	\$ 1,558	\$ 1,999	\$ 1,810
2 Nuclear Fuel Costs (Note A)	\$ 126	\$ 189	\$ 162	\$ 169	\$ 133
3 Equity component of AFUDC	\$ 69	\$ 31	\$ 31	\$ 48	\$ 72
4 Long-Term Debt, Capital Stock Retired or Reacquired (Note B)	\$ 600	\$ 1,000	\$ 600	\$ 500	\$ 300
5 Changes in Working Capital	\$ 883	\$ 322	\$ 437	\$ 391	\$ 392
6 Other, Including Dividends	2	1	(0)	(0)	(0)
7 Total Capital Requirements	\$ 3,435	\$ 2,874	\$ 2,788	\$ 3,107	\$ 2,707
8 Provided by Internal Cash	71%	101%	89%	86%	105%
<b>Sources of Capital</b>					
Internal Cash					
9 Depreciation and Amortization	\$ 1,455	\$ 1,452	\$ 1,607	\$ 1,638	\$ 1,674
10 Other (Note D)	\$ 989	\$ 1,444	\$ 887	\$ 1,034	\$ 1,164
11 Total Internal Cash	\$ 2,444	\$ 2,896	\$ 2,494	\$ 2,672	\$ 2,837
12 Outside Financing	\$ 975	\$ (22)	\$ 294	\$ 435	\$ (130)
13 Total Sources of Capital	\$ 3,419	\$ 2,874	\$ 2,788	\$ 3,107	\$ 2,707
<b>Tentative Financing Program</b>					
14 Long-Term Debt (Note B)	\$ 1,250	\$ 900	\$ 900	\$ 950	\$ 700
15 Preferred Stock	-	-	-	-	-
16 Common Stock	-	(925)	(575)	(525)	(800)
17 Infusion From/(To) Parent	(275)	3	(31)	10	(30)
18 Net Change in Short Term Debt	\$ 975	\$ (22)	\$ 294	\$ 435	\$ (130)
19 Total					
<b>Capital Structure (Note C)</b>					
20 Capitalization	\$ 18,235	\$ 18,040	\$ 18,669	\$ 19,613	\$ 20,395
<b>Ratios (Note C)</b>					
21 Long-Term Debt	48%	48%	48%	48%	48%
22 Preferred Stock	0%	0%	0%	0%	0%
23 Common Stock	52%	52%	52%	52%	52%

A Only the debt component of AFUDC is included in these costs.

B Includes current maturities related to long-term debt.

Current maturities at year end are \$1,000 in 2019, \$600 in 2020, \$500 in 2021 and \$300 in 2022.

C "Capitalization" and "Ratios" exclude short-term debt.

D "Other" includes earnings, net deferred taxes and investment tax credits and other miscellaneous items.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 39**

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**Request:**

A statement showing by cross-outs and italicized inserts all new rates and proposed changes in rates, charges, terms and conditions, and Service Rules and Regulations, as well as percentage increases

(decreases) for each rate or charge, if not included in the application.

a. Include summary statements of new rates and proposed changes and reasons for each change.

b. Include all new rates, charges, terms, conditions and Service Rules and Regulations as well as changes in existing rates, charges, terms, conditions and Service Rules and Regulations.

c. Include workpapers showing derivation of rates by rate schedule. (May be combined with item 42c if desired)

**Response:**

See E-1 Item 39 - Description and Highlighted Tariffs.pdf attached for a summary of new rates and proposed charges and a brief explanation of each change. Highlighted changes to current tariffs in effect at the time of filing is also provided. Workpapers supporting the derivation of each rate, as requested in part (c), is provided in response to Item 42c.



E-1 Item 39 -  
Description and Hig

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Description of Rate and Tariff Changes

NCUC Form E-1 Item 39(A) - Descriptions  
 Page 1 of 18

Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
<b>Residential Service Schedule RES</b>				
Basic Customer Charge	\$14.00	\$14.00	0.0%	No change to the basic facilities charge is proposed
Energy Charges SUMMER (July-Oct. Bills)	\$0.10817	\$0.12632	16.8%	Rate adjusted to recover revenue requirement
Energy Charges NONSUMMER (Nov.-June Bills)	\$0.10344	\$0.12030	16.3%	Retains the current 5% summer premium.
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
<b>Residential Service Time-of-Use Schedule R-TOUD</b>				
Basic Customer Charge	\$16.85	\$16.85	0.0%	RES rate, plus \$2.85 to recover additional cost of TOU meter. No change is proposed.
Energy Charges On-peak	\$0.07569	\$0.08763	15.8%	Retain current price relationship with a 23.49% on-peak premium
Energy Charges Off-peak	\$0.06129	\$0.07096	15.8%	Rates adjusted to recover revenue requirement
Demand Charges SUMMER (June-Sept Calendar)	\$4.88	\$5.65	15.8%	Retains the current 25% summer premium.
Demand Charges NONSUMMER (Oct.-May Calendar)	\$3.90	\$4.52	15.9%	Rate adjusted to recover revenue requirement; adjusted by same percentage as energy
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
<b>Residential Service Time-of-Use Schedule R-TOU</b>				
Basic Customer Charge	\$16.85	\$16.85	0.0%	Matches R-TOUD; no change is proposed.
Energy Charges SUMMER On-peak (June-Sept Calendar)	\$0.23904	\$0.29295	22.6%	Rates adjusted to recover revenue requirement
Energy Charges NONSUMMER On-peak (Oct.-May Calendar)	\$0.22753	\$0.27830	22.3%	Rates adjusted to continue to yield a 5% summer premium.
Energy Charges SUMMER Shoulder (June-Sept Calendar)	\$0.12393	\$0.14648	18.2%	Rates adjusted to continue to yield a 50% lower rate than summer on-peak rate
Energy Charges NONSUMMER Shoulder (Oct.-May Calendar)	\$0.12105	\$0.14282	18.0%	Rates adjusted to continue to yield current 2.5% summer premium.
Energy Charges Off-peak	\$0.07460	\$0.08370	12.2%	Rates adjusted to continue to recover revenue requirement (continues the "3.5 to 1" relationship with on-peak rate)
Three Phase Charge ALL	\$7.00	\$7.00	0.0%	No change is recommended.
<b>Small General Service Schedule SGS</b>				
Basic Customer Charge	\$21.00	\$21.00	0.0%	No change to the basic facilities charge is proposed
Energy Charges BLOCK 1 - FIRST 750 KWH	\$0.11496	\$0.13580	18.1%	Rate adjusted to recover revenue requirement
Energy Charges BLOCK 2 - NEXT 1,250 KWH	\$0.09826	\$0.11606	18.1%	Rate adjusted to recover revenue requirement; retains 14.527% reduction from Block 1 rate.



Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Description of Rate and Tariff Changes

NCUC Form E-1 Item 39(A) - Descriptions  
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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
Energy Charges BLOCK 3 - ADDITIONAL KWH	\$0.09372	\$0.11071	18.1%	Rate adjusted to recover revenue requirement; retains 18.476% reduction from Block 1 rate.
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
Billed KVAR	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Small General Service Time-of-Use Schedule SGS-TOUE</b>				
Basic Customer Charge	\$21.00	\$21.00	0.0%	Matches SGS; no change is proposed.
Energy Charges SUMMER On-peak (June-Sept Calendar)	\$0.22219	\$0.30840	38.8%	Rates adjusted to recover revenue requirement
Energy Charges NONSUMMER On-peak (Oct-May Calendar)	\$0.20137	\$0.27756	37.8%	Rates adjusted to continue to yield a 10% summer premium.
Energy Charges SUMMER Shoulder (June-Sept Calendar)	\$0.11810	\$0.15420	30.6%	Rates adjusted to continue to yield a 50% lower rate than the summer on-peak rate.
Energy Charges NONSUMMER Shoulder (Oct-May Calendar)	\$0.11290	\$0.14649	29.8%	Rates adjusted to continue to yield a 5% summer premium.
Energy Charges Off-peak	\$0.06605	\$0.07710	16.7%	Rates adjusted to continue to recover revenue requirement (75% lower than summer on-peak rate - i.e., "4 to 1" relationship)
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
<b>Small General Service (Constant Load) Schedule SGS-TOU-CLR</b>				
Basic Customer Charge	\$21.00	\$21.00	0.0%	Matches SGS; no change is proposed.
Energy Charges	\$0.08107	\$0.10148	25.2%	Rates adjusted to recover revenue requirement
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
<b>Medium General Service Schedule MGS</b>				
Basic Customer Charge	\$28.50	\$28.50	0.0%	No change to the basic facilities charge is proposed
Energy Charges	\$0.07379	\$0.08068	9.3%	Rate adjusted to recover revenue requirement
Demand Charges	\$6.15	\$6.72	9.3%	Rate adjusted to recover revenue requirement by same percentage as energy rate
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
Billed KVAR	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Small General Service Time of Use Schedule SGS-TOU</b>				
Basic Customer Charge	\$35.50	\$35.50	0.0%	Matches MGS Rate (includes Three-Phase Rate); no change is proposed.
Energy Charges On-peak	\$0.06460	\$0.07100	9.9%	Rate adjusted to recover revenue requirement by same percentage as demand rate

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Description of Rate and Tariff Changes

NCUC Form E-1 Item 39(A) - Descriptions  
Page 3 of 18

Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
Energy Charges Off-peak	\$0.05235	\$0.05754	9.9%	Rate adjusted to retain the current 23.4% on-peak premium
Demand Charges SUMMER (June-Sept Calendar)	\$10.53	\$11.58	10.0%	Rate adjusted to retain the current 19% summer premium.
Demand Charges NONSUMMER (Oct.-May Calendar)	\$8.85	\$9.73	9.9%	Rate adjusted to recover revenue requirement by same percentage as energy rate
Demand Charges Off-peak Excess	\$1.22	\$1.85	51.6%	Rate adjusted to better recover unit cost
Energy Charges Minimum Bill	\$0.04941	\$0.05502	11.4%	Rate adjusted to better recover rate class energy unit cost
Demand Charges Minimum Bill	\$1.22	\$1.85	51.6%	Rate adjusted to better recover rate class demand unit cost
Billed KVAR	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Church Service Time of Use Schedule CH-TOU</b>				
Basic Customer Charge ALL	\$35.50	\$35.50	0.0%	Matches MGS Rate (includes Three-Phase rate); no change is proposed.
Energy Charges SUMMER On-peak (June-Sept Calendar)	\$0.25829	\$0.28444	10.1%	Rate adjusted to retain the current 6.235% summer premium.
Energy Charges NONSUMMER On-peak (Oct.-May Calendar)	\$0.24313	\$0.26775	10.1%	Rate adjusted to recover revenue requirement
Energy Charges Off-peak	\$0.07365	\$0.08111	10.1%	Rate adjusted to recover revenue requirement
Energy Charges Minimum Bill	\$0.05313	\$0.05502	3.6%	Rate adjusted to better recover rate class energy unit cost
Demand Charges Minimum Bill	\$1.22	\$1.85	51.6%	Rate adjusted to better recover rate class demand unit cost
Billed KVAR ALL	\$0.32	\$0.32	0.0%	No change is recommended.
<b>General Service Thermal Energy Storage Schedule GS-TES (targets GS-TES/APH-TES increase matches MGS)</b>				
Basic Customer Charge ALL (< 1 MW)	\$35.50	\$35.50	0.0%	Matches MGS Rate (includes Three-Phase rate); no change is proposed.
Basic Customer Charge ALL (1 MW or greater)	\$200.00	\$200.00	0.0%	Matches LGS Rate; no change is proposed.
Energy Charges On-peak	\$0.05310	\$0.05760	8.5%	Rate adjusted to recover revenue requirement
Energy Charges Off-peak	\$0.05057	\$0.05485	8.5%	Rate adjusted to recover revenue requirement
Demand Charges SUMMER (June-Sept Calendar)	\$12.31	\$13.36	8.5%	Rate adjusted to retain the current 11.5% summer premium.
Demand Charges NONSUMMER (Oct.-May Calendar)	\$11.04	\$11.98	8.5%	Rate adjusted to recover revenue requirement; adjusted by same percentage as energy
Demand Charges Off-peak Excess	\$1.22	\$1.85	51.6%	Rate adjusted to better recover unit cost
Energy Charges Minimum Bill	\$0.04941	\$0.05502	11.4%	Rate adjusted to better recover rate class energy unit cost
Demand Charges Minimum Bill	\$1.22	\$1.85	51.6%	Rate adjusted to better recover rate class demand unit cost
Billed KVAR ALL	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Agricultural Post-Harvest Service Thermal Energy Storage Schedule APH-TES</b>				



Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Description of Rate and Tariff Changes

NCUC Form E-1 Item 39(A) - Descriptions  
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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
Basic Customer Charge	\$35.50	\$35.50	0.0%	Same rates as GS-TES
Energy Charges On-peak	\$0.05310	\$0.05760	8.5%	Same rates as GS-TES
Energy Charges Off-peak	\$0.05057	\$0.05485	8.5%	Same rates as GS-TES
Demand Charges SUMMER (June-Sept Calendar)	\$12.31	\$13.36	8.5%	Same rates as GS-TES
Demand Charges NONSUMMER (Oct.-May Calendar)	\$11.04	\$11.98	8.5%	Same rates as GS-TES
Demand Charges Off-peak Excess	\$1.22	\$1.85	51.6%	Same rates as GS-TES
Energy Charges Minimum Bill	\$0.04941	\$0.05502	11.4%	Same rates as GS-TES
Demand Charges Minimum Bill	\$1.22	\$1.85	51.6%	Same rates as GS-TES
Billed kVAR	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Church and School Service Schedule CSG (targets a 15% higher increase for CSE/CSG to incant migration from frozen tariff)</b>				
Basic Customer Charge ALL	\$28.50	\$28.50	0.0%	Matches MGS Rate; no change is proposed.
Energy Charges ALL	\$0.16308	\$0.17774	9.0%	Rate adjusted to recover revenue requirement
Three Phase Charge ALL	\$7.00	\$7.00	0.0%	No change is recommended.
Energy Charges Minimum Bill	\$0.05313	\$0.05502	3.6%	Rate adjusted to better recover unit cost
Demand Charges Minimum Bill	\$2.74	\$3.45	25.9%	Adjusted to recover MGS distribution unit cost
Billed kVAR ALL	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Church and School Service Schedule CSE (targets a 15% higher increase for CSE/CSG to incant migration from frozen tariff)</b>				
Basic Customer Charge ALL	\$28.50	\$28.50	0.0%	Matches MGS Rate; no change is proposed.
Energy Charges ALL	\$0.13260	\$0.14452	9.0%	Rate adjusted to recover revenue requirement (same percentage change as CSG)
Three Phase Charge ALL	\$7.00	\$7.00	0.0%	No change is recommended.
Energy Charges Minimum Bill	\$0.05313	\$0.05502	3.6%	Rate adjusted to better recover unit cost
Demand Charges Minimum Bill	\$2.74	\$3.45	25.9%	Adjusted to recover MGS distribution unit cost
Billed kVAR ALL	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Traffic Signal Service Schedule TFS</b>				
Basic Customer Charge	\$21.00	\$21.00	0.0%	Matches SGS Rate; no change is proposed.
Energy Charges	\$0.06284	\$0.09179	46.1%	Rate adjusted to recover the same percentage change in revenue as TSS.
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
Billed kVAR	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Sports Field Lighting Service Schedule SFLS</b>				
Basic Customer Charge	\$28.50	\$28.50	0.0%	Matches MGS Rate; no change is proposed.

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Energy Charges	\$0.06163	\$0.06767	9.8%	Rate adjusted to recover revenue requirement by same percentage as demand rate
Demand Charges	\$1.24	\$1.37	10.5%	Rate adjusted to recover revenue requirement by same percentage as energy rate
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
Disconnect/Connect Charge	\$17.00	\$9.14	-46.2%	Increased to match Service Charge in Service Regulations
Billed kVAR	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Seasonal and Intermittent Service Schedule SI</b>				
Basic Customer Charge	\$28.50	\$28.50	0.0%	Matches MGS Rate; no change is proposed.
Energy Charges BLOCK 1 - FIRST 2,000 KWH	\$0.12496	\$0.13544	8.4%	Rate adjusted to recover revenue requirement
Energy Charges BLOCK 2 - ADDITIONAL KWH	\$0.10371	\$0.11241	8.4%	Rate adjusted to recover revenue requirement by the same percentage as Block 1
Three Phase Charge	\$7.00	\$7.00	0.0%	No change is recommended.
Customer Seasonal Charge	\$41.00	\$41.00	0.0%	No change since Basic Customer Charge is unchanged.
Facilities Charge	\$1.84	\$1.84	0.0%	No change based upon cost study.
Billed kVAR	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Large General Service Schedule LGS</b>				
Basic Customer Charge ALL	\$200.00	\$200.00	0.0%	No change to the basic facilities charge is proposed
Energy Charges ALL	\$0.05796	\$0.06327	9.2%	Rate adjusted to recover revenue requirement (demand and energy rates increased by the same percentage)
Demand Charges BLOCK 1 - FIRST 5,000 KW	\$12.96	\$14.15	9.2%	Rate adjusted to recover revenue requirement
Demand Charges BLOCK 2 - NEXT 5,000 KW	\$11.96	\$13.15	9.9%	Rate adjusted to secure a \$1 differential with block one rate based upon T/D unit cost.
Demand Charges BLOCK 3 - ABOVE 10,000 KW	\$10.96	\$12.15	10.9%	Rate adjusted to secure a \$2 differential with block one rate based upon T/D unit cost.
Transformation Discount Transmission Demand	(\$0.50)	(\$0.53)	6.0%	Rate adjusted to better recover unit cost
Transformation Discount Transmission Energy	(\$0.00043)	(\$0.00020)	-53.5%	Rate adjusted to better recover unit cost
Transformation Discount Distribution Demand	(\$0.43)	(\$0.45)	4.7%	Rate adjusted to better recover unit cost
Transformation Discount Distribution Energy	(\$0.00005)	(\$0.00008)	60.0%	Rate adjusted to better recover unit cost
Billed kVAR ALL	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Large General Service Time of Use Schedule LGS-TOU</b>				
Basic Customer Charge ALL	\$200.00	\$200.00	0.0%	No change to the basic facilities charge is proposed
Energy Charges On-peak	\$0.05317	\$0.05821	9.5%	Reflects a one-half cent differential with off-peak energy rate.



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Energy Charges Off-peak	\$0.04817	\$0.05321	10.5%	Rate adjusted to better recover unit cost
Demand Charges SUMMER (J-S) BLOCK 1 - FIRST 5,000 KW	\$20.29	\$22.21	9.5%	Rate adjusted by same percentage as off-peak energy to recover the revenue requirement.
Demand Charges SUMMER (J-S) BLOCK 2 - NEXT 5,000 KW	\$19.29	\$21.21	10.0%	Rate adjusted to secure a \$1 differential with block one rate based upon T/D unit cost
Demand Charges SUMMER (J-S) BLOCK 3 - ABOVE 10,000 KW	\$18.29	\$20.21	10.5%	Rate adjusted to secure a \$2 differential with block one rate based upon T/D unit cost.
Demand Charges NONSUMMER (O-M) BLOCK 1 - FIRST 5,000 KW	\$15.15	\$16.59	9.5%	Rate adjusted by same percentage as off-peak energy to recover the revenue requirement.
Demand Charges NONSUMMER (O-M) BLOCK 2 - NEXT 5,000 KW	\$14.15	\$15.59	10.2%	Rate adjusted to secure a \$1 differential with block one rate based upon T/D unit cost
Demand Charges NONSUMMER (O-M) BLOCK 3 - ABOVE 10,000 KW	\$13.15	\$14.59	11.0%	Rate adjusted to secure a \$2 differential with block one rate based upon T/D unit cost.
Demand Charges Off-peak Excess	\$0.89	\$1.13	27.0%	Rate adjusted to better recover unit cost
Transformation Discount Transmission Demand	(\$0.50)	(\$0.53)	6.0%	Rate adjusted to better recover unit cost
Transformation Discount Transmission Energy	(\$0.00043)	(\$0.00020)	-53.5%	Rate adjusted to better recover unit cost
Transformation Discount Distribution Demand	(\$0.43)	(\$0.45)	4.7%	Rate adjusted to better recover unit cost
Transformation Discount Distribution Energy	(\$0.00005)	(\$0.00008)	60.0%	Rate adjusted to better recover unit cost
Billed KVAR ALL	\$0.32	\$0.32	0.0%	No change is recommended.
<b>Large General Service Real Time Pricing Schedule LGS-RTT</b>				
RTP Administrative Charge	\$165.00	\$165.00	0.0%	No change is recommended.
Facilities Demand - Transmission Line	\$1.63	\$1.88	15.3%	Rate adjusted to better recover unit cost
Facilities Demand - T/D Substation	\$2.13	\$2.42	13.6%	Rate adjusted to better recover unit cost
Facilities Demand - Distribution Primary	\$2.62	\$3.34	27.5%	Rate adjusted to better recover unit cost
Facilities Demand - Distribution Transformer	\$3.05	\$3.80	24.6%	Rate adjusted to better recover unit cost
<b>Traffic Signal Service Schedule TSS</b>				
70 Watt-16 HR/1 Lamp BLINKER	\$2.02	\$2.28	12.9%	All rates adjusted by the same percentage to recover revenue requirement
150 Watt-16 HR/1 Lamp BLINKER	\$3.65	\$4.12	12.9%	Rate adjusted to recover revenue requirement
70 Watt-24 HR/1 Lamp BLINKER	\$2.76	\$3.11	12.7%	Rate adjusted to recover revenue requirement
150 Watt-24 HR/1 Lamp BLINKER	\$5.13	\$5.79	12.9%	Rate adjusted to recover revenue requirement
70 Watt-16 HR/1 Lamp	\$2.79	\$3.15	12.9%	Rate adjusted to recover revenue requirement
70 Watt-16 HR/2 Lamp	\$3.35	\$3.78	12.8%	Rate adjusted to recover revenue requirement

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70 Watt-16 HR/3 Lamp	\$3.51	\$3.96	12.8%	Rate adjusted to recover revenue requirement
70 Watt-16 HR/4 Lamp	\$4.46	\$5.03	12.8%	Rate adjusted to recover revenue requirement
70 Watt-16 HR/5 Lamp	\$3.51	\$3.96	12.8%	Rate adjusted to recover revenue requirement
150 Watt-16 HR/1 Lamp	\$5.54	\$6.25	12.8%	Rate adjusted to recover revenue requirement
150 Watt-16 HR/2 Lamp	\$6.79	\$7.66	12.8%	Rate adjusted to recover revenue requirement
150 Watt-16 HR/3 Lamp	\$6.91	\$7.80	12.9%	Rate adjusted to recover revenue requirement
150 Watt-16 HR/4 Lamp	\$9.54	\$10.77	12.9%	Rate adjusted to recover revenue requirement
150 Watt-16 HR/5 Lamp	\$6.91	\$7.80	12.9%	Rate adjusted to recover revenue requirement
70 Watt-24 HR/1 Lamp	\$3.83	\$4.32	12.8%	Rate adjusted to recover revenue requirement
70 Watt-24 HR/2 Lamp	\$4.48	\$5.06	12.9%	Rate adjusted to recover revenue requirement
70 Watt-24 HR/3 Lamp	\$4.79	\$5.41	12.9%	Rate adjusted to recover revenue requirement
70 Watt-24 HR/4 Lamp	\$6.26	\$7.06	12.8%	Rate adjusted to recover revenue requirement
70 Watt-24 HR/5 Lamp	\$4.79	\$5.41	12.9%	Rate adjusted to recover revenue requirement
150 Watt-24 HR/1 Lamp	\$8.01	\$9.04	12.9%	Rate adjusted to recover revenue requirement
150 Watt-24 HR/2 Lamp	\$9.36	\$10.56	12.8%	Rate adjusted to recover revenue requirement
150 Watt-24 HR/3 Lamp	\$9.61	\$10.84	12.8%	Rate adjusted to recover revenue requirement
150 Watt-24 HR/4 Lamp	\$13.28	\$14.99	12.9%	Rate adjusted to recover revenue requirement
150 Watt-24 HR/5 Lamp	\$9.61	\$10.84	12.8%	Rate adjusted to recover revenue requirement
Minimum Bill	\$21.00	\$21.00	0.0%	Matches SGS, no change is proposed.
120 watt/16 Hour Rate Adder	\$1.03	\$1.16	12.6%	Rate adjusted to recover revenue requirement
120 watt/24 Hour Rate Adder	\$1.33	\$1.50	12.8%	Rate adjusted to recover revenue requirement
<b>Area Lighting Service Schedule ALS</b>				
LED 50	\$7.40	\$8.04	8.6%	All fixture rates are adjusted by the same percentage to recover revenue requirement
LED 50 Floodlight	\$10.73	\$11.66	8.7%	Rate adjusted to recover revenue requirement
LED 75	\$7.66	\$8.32	8.6%	Rate adjusted to recover revenue requirement
LED 105	\$9.42	\$10.24	8.7%	Rate adjusted to recover revenue requirement
LED 130 Floodlight	\$21.66	\$23.54	8.7%	Rate adjusted to recover revenue requirement
LED 150	\$12.17	\$13.22	8.6%	Rate adjusted to recover revenue requirement
LED 215	\$14.96	\$16.26	8.7%	Rate adjusted to recover revenue requirement
LED 220 Shoebox	\$18.90	\$20.54	8.7%	New fixture is initially priced at a rate equivalent to the LED 205 Site Lighter Standard Offer option. Proposed rate increases by the same percentage as other fixtures.



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LED 260 Floodlight	\$39.46	\$42.88	8.7%	Rate adjusted to recover revenue requirement
LED 280	\$17.09	\$18.57	8.7%	Rate adjusted to recover revenue requirement
LED 420	\$39.77	\$43.21	8.6%	Rate adjusted to recover revenue requirement
LED 530	\$48.39	\$52.58	8.7%	Rate adjusted to recover revenue requirement
9,500 Lumen SV	\$10.57	\$11.49	8.7%	Rate adjusted to recover revenue requirement
16,000 Lumen SV	\$12.40	\$13.47	8.6%	Rate adjusted to recover revenue requirement
28,500 Lumen SV	\$15.50	\$16.84	8.6%	Rate adjusted to recover revenue requirement
50,000 Lumen SV	\$21.49	\$23.35	8.7%	Rate adjusted to recover revenue requirement
50,000 Lumen SV Floodlight	\$24.10	\$26.19	8.7%	Rate adjusted to recover revenue requirement
5,800 Lumen SV	\$6.64	\$7.21	8.6%	Rate adjusted to recover revenue requirement
9,000 Lumen MH	\$12.35	\$13.42	8.7%	Rate adjusted to recover revenue requirement
7,000 Lumen MV Semi-Enclosed	\$8.45	\$9.18	8.6%	Rate adjusted to recover revenue requirement
7,000 Lumen MV	\$9.69	\$10.53	8.7%	Rate adjusted to recover revenue requirement
12,000 Lumen RSV	\$11.99	\$13.03	8.7%	Rate adjusted to recover revenue requirement
20,000 Lumen MH	\$18.21	\$19.79	8.7%	Rate adjusted to recover revenue requirement
21,000 Lumen MV	\$15.69	\$17.05	8.7%	Rate adjusted to recover revenue requirement
21,000 Lumen MV Flood	\$19.02	\$20.67	8.7%	Rate adjusted to recover revenue requirement
22,000 Lumen SV	\$13.49	\$14.66	8.7%	Rate adjusted to recover revenue requirement
33,000 Lumen MH	\$23.74	\$25.80	8.7%	Rate adjusted to recover revenue requirement
38,000 Lumen RSV	\$17.89	\$19.44	8.7%	Rate adjusted to recover revenue requirement
40,000 Lumen MH	\$25.06	\$27.23	8.7%	Rate adjusted to recover revenue requirement
60,000 Lumen MV	\$32.10	\$34.88	8.7%	Rate adjusted to recover revenue requirement
60,000 Lumen MV Flood	\$34.62	\$37.62	8.7%	Rate adjusted to recover revenue requirement
110,000 Lumen MH	\$47.92	\$52.07	8.7%	Rate adjusted to recover revenue requirement
LED 75 (Standard Offer)	\$5.89	\$6.40	8.7%	Rate adjusted to recover revenue requirement
LED 105 (Standard Offer)	\$8.44	\$9.17	8.6%	Rate adjusted to recover revenue requirement
LED 215 (Standard Offer)	\$12.39	\$13.46	8.6%	Rate adjusted to recover revenue requirement
LED 205 Site Lighter (Standard Offer)	\$12.45	\$13.53	8.7%	Rate adjusted to recover revenue requirement
Monthly UG Charge	\$3.21	\$3.49	8.7%	Rate adjusted to recover revenue requirement by the same percentage as fixture rates.
One-Time UG Charge	\$521.00	\$580.00	11.3%	Increased based upon updated cost study
Wood Pole	\$2.05	\$2.40	17.1%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost

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Metal, Fiberglass or Post Pole	\$4.87	\$5.71	17.2%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
12-Foot Smooth Concrete Post	\$9.49	\$11.13	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
16-Foot Smooth Concrete Post	\$10.44	\$12.25	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Decorative Square Metal	\$10.44	\$12.25	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
13-Foot Fluted Concrete Post	\$14.25	\$16.72	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Decorative Aluminum 12-Foot Post	\$17.09	\$20.05	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Decorative 35- or 39-Foot Tapered Metal Pole	\$27.14	\$31.84	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 9,000 Lumen Fixture	\$15.35	\$16.42	7.0%	Fixture plus Masterpiece Rate
Masterpiece Series B 9,000 Lumen Fixture	\$16.50	\$17.57	6.5%	Fixture plus Masterpiece Rate
Masterpiece Series A 12-Foot Decorative Post 9,000 Lumen	\$17.09	\$20.05	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 16-Foot Decorative Post 9,000 Lumen	\$20.89	\$24.51	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 9,500 Lumen Fixture	\$13.57	\$14.49	6.8%	Fixture plus Masterpiece Rate
Masterpiece Series B 9,500 Lumen Fixture	\$14.72	\$15.64	6.3%	Fixture plus Masterpiece Rate
Masterpiece Series A 12-Foot Decorative Post 9,500 Lumen	\$17.09	\$20.05	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 16-Foot Decorative Post 9,500 Lumen	\$20.89	\$24.51	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 12-Foot Decorative Post LED 50	\$17.09	\$20.05	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 16-Foot Decorative Post LED 50	\$20.89	\$24.51	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A LED 50 Fixture	\$10.40	\$11.04	6.2%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost



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Masterpiece Series B LED 50 Fixture	\$11.55	\$12.19	5.5%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 12-Foot Decorative Post LED 75	\$17.09	\$20.05	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A 16-Foot Decorative Post LED 75	\$20.89	\$24.51	17.3%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A LED 75 Fixture	\$10.66	\$11.32	6.2%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series B LED 75 Fixture	\$11.81	\$12.47	5.6%	Rate adjusted to recover revenue requirement; adjusted by twice the fixture percentage change based upon marginal cost
Masterpiece Series A Twin Mounting Bracket	\$5.00	\$5.00	0.0%	No change based upon an updated cost study
Masterpiece Series A Adder	\$3.00	\$3.00	0.0%	No change based upon an updated cost study
Masterpiece Series B Adder	\$4.15	\$4.15	0.0%	No change based upon an updated cost study
<b>Street Lighting Service Schedule SLs</b>				
LED 50	\$7.40	\$8.04	8.6%	Rate adjusted to match ALS and recover revenue requirement
LED 75	\$7.66	\$8.32	8.6%	Rate adjusted to match ALS and recover revenue requirement
LED 105	\$9.42	\$10.24	8.7%	Rate adjusted to match ALS and recover revenue requirement
LED 150	\$12.17	\$13.22	8.6%	Rate adjusted to match ALS and recover revenue requirement
LED 215	\$14.96	\$16.26	8.7%	Rate adjusted to match ALS and recover revenue requirement
LED 220 Shoebox	\$18.90	\$20.54	8.7%	New fixture is initially priced at a rate equivalent to the LED 205 Site Lighter Standard Offer option. Proposed rate increases by the same percentage as other fixtures.
LED 280	\$17.09	\$18.57	8.7%	Rate adjusted to match ALS and recover revenue requirement
LED 420	\$39.77	\$43.21	8.6%	Rate adjusted to match ALS and recover revenue requirement
LED 530	\$48.39	\$52.58	8.7%	Rate adjusted to match ALS and recover revenue requirement
9,500 Lumen SV	\$10.57	\$11.49	8.7%	Rate adjusted to match ALS and recover revenue requirement
16,000 Lumen SV	\$12.40	\$13.47	8.6%	Rate adjusted to match ALS and recover revenue requirement
28,500 Lumen SV	\$15.50	\$16.84	8.6%	Rate adjusted to match ALS and recover revenue requirement
50,000 Lumen SV	\$21.49	\$23.35	8.7%	Rate adjusted to match ALS and recover revenue requirement
5,800 Lumen SV	\$6.64	\$7.21	8.6%	Rate adjusted to match ALS and recover revenue requirement
7,000 Lumen MV Semi-Enclosed	\$8.45	\$9.18	8.6%	Rate adjusted to match ALS and recover revenue requirement
7,000 Lumen MV	\$9.69	\$10.53	8.7%	Rate adjusted to match ALS and recover revenue requirement
9,000 Lumen MH	\$12.35	\$13.42	8.7%	Rate adjusted to match ALS and recover revenue requirement

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12,000 Lumen RSV	\$11.99	\$13.03	8.7%	Rate adjusted to match ALS and recover revenue requirement
20,000 Lumen MH	\$18.21	\$19.79	8.7%	Rate adjusted to match ALS and recover revenue requirement
21,000 Lumen MV	\$15.69	\$17.05	8.7%	Rate adjusted to match ALS and recover revenue requirement
22,000 Lumen SV	\$13.49	\$14.66	8.7%	Rate adjusted to match ALS and recover revenue requirement
33,000 Lumen MH	\$23.74	\$25.80	8.7%	Rate adjusted to match ALS and recover revenue requirement
38,000 Lumen RSV	\$17.89	\$19.44	8.7%	Rate adjusted to match ALS and recover revenue requirement
40,000 Lumen MH	\$25.06	\$27.23	8.7%	Rate adjusted to match ALS and recover revenue requirement
60,000 Lumen MV	\$32.10	\$34.88	8.7%	Rate adjusted to match ALS and recover revenue requirement
110,000 Lumen MH	\$47.92	\$52.07	8.7%	Rate adjusted to match ALS and recover revenue requirement
LED 75 (Standard Offer)	\$5.89	\$6.40	8.7%	Rate adjusted to match ALS and recover revenue requirement
LED 105 (Standard Offer)	\$8.44	\$9.17	8.6%	Rate adjusted to match ALS and recover revenue requirement
LED 215 (Standard Offer)	\$12.39	\$13.46	8.6%	Rate adjusted to match ALS and recover revenue requirement
LED 205 Site Lighter (Standard Offer)	\$12.45	\$13.53	8.7%	Rate adjusted to match ALS and recover revenue requirement
LED 75 Customer Owned	\$5.13	\$5.57	8.6%	Rate adjusted by fixture rate percentage to recover revenue requirement
LED 105 Customer Owned	\$5.55	\$6.03	8.6%	Rate adjusted by fixture rate percentage to recover revenue requirement
LED 215 Customer Owned	\$7.02	\$7.63	8.7%	Rate adjusted by fixture rate percentage to recover revenue requirement
LED 205 Customer Owned Site Lighter	\$6.88	\$7.48	8.7%	Rate adjusted by fixture rate percentage to recover revenue requirement
Monthly UG Charge	\$3.21	\$3.49	8.7%	Rate adjusted to match ALS and recover revenue requirement
One-Time UG Charge	\$521.00	\$580.00	11.3%	Increased based upon updated cost study
Wood Pole	\$1.55	\$1.91	23.2%	Rate adjusted by greater than average increase in pole rates to achieve same class increase as Schedule ALS
Metal, Fiberglass or Post Pole	\$2.71	\$3.35	23.6%	Rate adjusted by greater than average increase in pole rates to achieve same class increase as Schedule ALS
12-Foot Smooth Concrete Post	\$9.49	\$11.13	17.3%	Rate adjusted to recover ALS and recover revenue requirement
Decorative Square Metal	\$10.44	\$12.25	17.3%	Rate adjusted to match ALS and recover revenue requirement
16-Foot Smooth Concrete Post	\$10.44	\$12.25	17.3%	Rate adjusted to match ALS and recover revenue requirement
13-Foot Fluted Concrete Post	\$14.25	\$16.72	17.3%	Rate adjusted to match ALS and recover revenue requirement
Decorative Aluminum 12-Foot Post	\$17.09	\$20.05	17.3%	Rate adjusted to match ALS and recover revenue requirement
Decorative 35- or 39-Foot Tapered Metal Pole	\$27.14	\$31.84	17.3%	Rate adjusted to match ALS and recover revenue requirement



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System Metal Pole	\$0.93	\$1.15	23.7%	Rate adjusted by greater than average increase in pole rates to achieve same class increase as Schedule ALS
Masterpiece Series A 9,000 Lumen Fixture	\$15.35	\$16.42	7.0%	Fixture plus Masterpiece Rate
Masterpiece Series B 9,000 Lumen Fixture	\$16.50	\$17.57	6.5%	Fixture plus Masterpiece Rate
Masterpiece Series A 12-Foot Decorative Post 9,000 Lumen	\$17.09	\$20.05	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A 16-Foot Decorative Post 9,000 Lumen	\$20.89	\$24.51	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A 9,500 Lumen Fixture	\$13.57	\$14.49	6.8%	Fixture plus Masterpiece Rate
Masterpiece Series B 9,500 Lumen Fixture	\$14.72	\$15.64	6.3%	Fixture plus Masterpiece Rate
Masterpiece Series A 12-Foot Decorative Post 9,500 Lumen	\$17.09	\$20.05	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A 16-Foot Decorative Post 9,500 Lumen	\$20.89	\$24.51	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A 12-Foot Decorative Post LED 50	\$17.09	\$20.05	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A 16-Foot Decorative Post LED 50	\$20.89	\$24.51	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A LED 50 Fixture	\$10.40	\$11.04	6.2%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series B LED 50 Fixture	\$11.55	\$12.19	5.5%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A 12-Foot Decorative Post LED 75	\$17.09	\$20.05	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A 16-Foot Decorative Post LED 75	\$20.89	\$24.51	17.3%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A LED 75 Fixture	\$10.66	\$11.32	6.2%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series B LED 75 Fixture	\$11.81	\$12.47	5.6%	Rate adjusted to match ALS and recover revenue requirement
Masterpiece Series A Twin Mounting Bracket	\$5.00	\$5.00	0.0%	No change based upon an updated cost study
Masterpiece Series A Adder	\$3.00	\$3.00	0.0%	No change based upon an updated cost study
Masterpiece Series B Adder	\$4.15	\$4.15	0.0%	No change based upon an updated cost study
<b>Street Lighting Service (Residential Subdivisions and Neighborhoods) Schedule SLR</b>				
OH/1 light per 10 customers/7,000 Lumen MV	\$1.20	\$1.32	10.0%	Rate adjusted to recover revenue requirement
OH/1 light per 10 customers/9,500 Lumen SV	\$1.20	\$1.32	10.0%	Rate adjusted to recover revenue requirement
OH/1 light per 10 customers/LED 50	\$0.95	\$1.05	10.5%	Rate adjusted to recover revenue requirement

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
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 Description of Rate and Tariff Changes

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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
OH/1 light per 10 customers/12,000 Lumen SV	\$1.35	\$1.49	10.4%	Fixture rate plus Retrofit Adder
OH/1 light per 5 customers/7,000 Lumen MV	\$2.39	\$2.63	10.0%	Rate adjusted to recover revenue requirement
OH/1 light per 5 customers/9,500 Lumen SV	\$2.39	\$2.63	10.0%	Rate adjusted to recover revenue requirement
OH/1 light per 5 customers/LED 50	\$1.91	\$2.10	9.9%	Rate adjusted to recover revenue requirement
OH/1 light per 5 customers/12,000 Lumen SV	\$2.68	\$2.95	10.1%	Fixture rate plus Retrofit Adder
OH/1 light per 3 customers/7,000 Lumen MV	\$3.93	\$4.33	10.2%	Rate adjusted to recover revenue requirement
OH/1 light per 3 customers/9,500 Lumen SV	\$3.93	\$4.33	10.2%	Rate adjusted to recover revenue requirement
OH/1 light per 3 customers/LED 50	\$3.11	\$3.42	10.0%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on wood pole 7,000 lumen	\$1.66	\$1.83	10.2%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on wood pole 9,500 lumen	\$1.66	\$1.83	10.2%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on wood pole LED 50	\$1.36	\$1.50	10.3%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on wood pole 12,000 lumen	\$1.81	\$2.00	10.5%	9,500 Lumen Fixture rate plus Retrofit Adder
UG/1 light per 5 customers on wood pole 7,000 lumen	\$3.32	\$3.65	9.9%	Rate adjusted to recover revenue requirement
UG/1 light per 5 customers on wood pole 9,500 lumen	\$3.32	\$3.65	9.9%	Rate adjusted to recover revenue requirement
UG/1 light per 5 customers on wood pole LED 50	\$2.73	\$3.01	10.3%	Rate adjusted to recover revenue requirement
UG/1 light per 5 customers on wood pole 12,000 lumen	\$3.61	\$3.97	10.0%	9,500 Lumen Fixture rate plus Retrofit Adder
UG/1 light per 3 customers on wood pole 7,000 lumen	\$5.48	\$6.03	10.0%	Rate adjusted to recover revenue requirement
UG/1 light per 3 customers on wood pole 9,500 lumen	\$5.48	\$6.03	10.0%	Rate adjusted to recover revenue requirement
UG/1 light per 3 customers on wood pole LED 50	\$4.49	\$4.94	10.0%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on fiberglass/metal pole or post 7,000 lumen	\$1.89	\$2.08	10.1%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on fiberglass/metal pole or post 9,500 lumen	\$1.89	\$2.08	10.1%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on fiberglass/metal pole LED 50	\$1.58	\$1.74	10.1%	Rate adjusted to recover revenue requirement



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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
UG/1 light per 10 customers on fiberglass/metal post LED 50	\$1.96	\$2.16	10.2%	Rate adjusted to recover revenue requirement
UG/1 light per 10 customers on fiberglass/metal pole or post 12,000 lumen	\$2.04	\$2.25	10.3%	9,500 Lumen Fixture rate plus Retrofit Adder
UG/1 light per 6 customers on fiberglass/metal/pole or post 7,000 lumen	\$3.13	\$3.45	10.2%	Rate adjusted to recover revenue requirement
UG/1 light per 6 customers on fiberglass/metal/pole or post 9,500 lumen	\$3.13	\$3.45	10.2%	Rate adjusted to recover revenue requirement
UG/1 light per 6 customers on fiberglass/metal pole LED 50	\$2.63	\$2.90	10.3%	Rate adjusted to recover revenue requirement
UG/1 light per 6 customers on fiberglass/metal post LED 50	\$3.26	\$3.59	10.1%	Rate adjusted to recover revenue requirement
UG/1 light per 6 customers on fiberglass/metal/pole or post 12,000 lumen	\$3.37	\$3.71	10.1%	9,500 Lumen Fixture rate plus Retrofit Adder
UG/1 light per 3 customers on fiberglass/metal/pole or post 7,000 lumen	\$6.23	\$6.86	10.1%	Rate adjusted to recover revenue requirement
UG/1 light per 3 customers on fiberglass/metal/pole or post 9,500 lumen	\$6.23	\$6.86	10.1%	Rate adjusted to recover revenue requirement
UG/1 light per 3 customers on fiberglass/metal pole LED 50	\$5.21	\$5.74	10.2%	Rate adjusted to recover revenue requirement
UG/1 light per 3 customers on fiberglass/metal post LED 50	\$6.44	\$7.09	10.1%	Rate adjusted to recover revenue requirement
12,000 lumen retrofit adder - 1 per 10	\$0.15	\$0.17	13.3%	Rate adjusted to recover revenue requirement
12,000 lumen retrofit adder - 1 per 5	\$0.29	\$0.32	10.3%	Rate adjusted to recover revenue requirement
12,000 lumen retrofit adder - 1 per 6	\$0.24	\$0.26	8.3%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 10 customers on wood pole 7,000/12,000 lumen	\$0.30	\$0.33	10.0%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 5 customers on wood pole 7,000/12,000 lumen	\$0.56	\$0.62	10.7%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 3 customers on wood pole 7,000/12,000 lumen	\$0.66	\$0.73	10.6%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post 7,000/12,000 lumen	\$0.36	\$0.40	11.1%	Rate adjusted to recover revenue requirement

Duke Energy Progress, LLC  
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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
UG Only Charge/1 light per 6 customers on fiberglass/metal/pole or post 7,000/12,000 lumen	\$0.61	\$0.67	9.8%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 3 customers on fiberglass/metal/pole or post 7,000/12,000 lumen	\$0.71	\$0.78	9.9%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 10 customers on wood pole 9,500 lumen	\$0.41	\$0.45	9.8%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 5 customers on wood pole 9,500 lumen	\$0.75	\$0.83	10.7%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 3 customers on wood pole 9,500 lumen	\$0.90	\$0.99	10.0%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 10 customers on fiberglass/metal/pole or post 9,500 lumen	\$0.50	\$0.55	10.0%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 6 customers on fiberglass/metal/pole or post 9,500 lumen	\$0.86	\$0.95	10.5%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 3 customers on fiberglass/metal/pole or post 9,500 lumen	\$1.01	\$1.11	9.9%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 10 customers on wood pole LED 50	\$0.38	\$0.42	10.5%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 5 customers on wood pole LED 50	\$0.76	\$0.84	10.5%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 3 customers on wood pole LED 50	\$1.26	\$1.39	10.3%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 10 customers on fiberglass/metal/pole or post LED 50	\$0.40	\$0.44	10.0%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 6 customers on fiberglass/metal/pole or post LED 50	\$0.67	\$0.74	10.4%	Rate adjusted to recover revenue requirement
UG Only Charge/1 light per 3 customers on fiberglass/metal/pole or post LED 50	\$1.33	\$1.46	9.8%	Rate adjusted to recover revenue requirement
<b>Residential Service Energy Conservation Rider RECD</b>				
All Charges				No Change
<b>Supplementary and Standby Service Rider No. 7</b>				
All Charges				No Change
<b>Intermittent and Highly Fluctuating Load Rider No. 9</b>				



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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
HFL KVA	\$0.41	\$0.41	0.0%	Rate adjusted to recover cost
Failure to Curtail Charge	Supplementary and Interruptible Standby Service Rider No. 57			
				No change
Large Load Curtaillable Rider LLC				
Customer Charge	\$50.00	\$65.00	30.0%	To recover current cost for notification system current cost
Average On-peak - Firm kW	(\$5.40)	(\$5.60)	3.7%	Reflects current value of avoided generation
Level 1 Capacity Charge	\$2.70	\$2.80	3.7%	Reflects current value of avoided generation
Failure Charge Rate	\$50.00	\$50.00	0.0%	Reflects current value of avoided generation
Termination Charge Rate	\$50.00	\$50.00	0.0%	Reflects current value of avoided generation
Dispatched Power Service Rider No. 68				
Customer Charge	\$50.00	\$65.00	30.0%	To recover current cost for notification system current cost
Incremental On-peak kWh	\$0.01500	\$0.01500	0.0%	Rate reset to historic level to offer non-firm incentive
Incremental Power Service Rider IPS				
Customer Charge	\$50.00	\$65.00	30.0%	To recover current cost for notification system current cost
Incremental On-peak kWh	\$0.01500	\$0.01500	0.0%	Rate reset to historic level to offer non-firm incentive
Economic Development Rider ED				
Year 1 to 5 Discount Rates				No Change
Economic Redevelopment Rider ERD				
ERD Discount Amount				No Change
Supplementary and Firm Standby Service Rider SS				
Generation Reservation Charge	\$0.75	\$0.75	0.0%	Recovers the 3-year levelized marginal capacity cost times the planning reserve margin (17%)
Only Applicable for Capacity Factor of 60% or greater				
SS Delivery Charge (Transmission)	\$1.63	\$1.58	0.0%	Recovers LGS Class unit cost on per kW basis
SS Delivery Charge (Distribution)	\$2.62	\$2.59	-1.1%	Recovers LGS Class unit cost on per kW basis
Supplementary and Non-Firm Standby Service Rider NFS				
NFS Notification Charge	\$50.00	\$65.00	30.0%	To recover current cost for notification system current cost
Standby Delivery Charge (Transmission)	\$0.00307	\$0.00355	15.6%	Recovers LGS Class unit cost on per kWh basis
Standby Delivery Charge (Distribution)	\$0.00481	\$0.00602	25.2%	Recovers LGS Class unit cost on per kWh basis
Premier Power Service Rider PPS				
NC Premier Power Charge Revenue				No change
Meter-Related Optional Programs Rider MROP				
Total Meter	\$3.00	\$3.10	3%	Adjusted to reflect cost study

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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
Total Meter - Wireless	\$13.20	\$13.20	0%	Adjusted to reflect cost study
Total Meter Termination Charge	\$50.00	\$50.00	0%	No change
EPO - Monthly	\$20.00	\$20.00	0%	No change is proposed based upon cost study
EPO - Totalized Monthly	\$20.00	\$20.00	0%	No change is proposed based upon cost study
EPO - Daily	\$20.00	\$20.00	0%	No change is proposed based upon cost study
EPO Set-Up Charge	\$85.00	\$85.00	0%	No change is proposed based upon cost study
EPO Set-Up Charge - Totalized	\$85.00	\$85.00	0%	No change is proposed based upon cost study
Non-Standard Meter Monthly Rate	\$0.33	\$0.61	85%	Adjusted to reflect cost study
Non-Standard Meter Set-Up	\$15.00	\$16.50	10%	Adjusted to reflect cost study
Non-Standard Meter Exchange	\$17.00	\$92.00	19%	Adjusted to reflect cost study
MRM Initial Set-up Fee	\$170.00	\$170.00	0%	No change is proposed until option is more mature.
Monthly Rate for MRM	\$14.75	\$14.75	0%	No change is proposed until option is more mature.
MRM Early Termination Charge	\$50.00	\$50.00	0%	No change is proposed until option is more mature.
<b>Service Regulations</b>				
NC Service Charge Revenue	\$17.00	\$9.14	-46%	Adjusted to reflect cost study
NC Service Charge - Landlord Revenue	\$5.35	\$2.00	-63%	Adjusted to reflect cost study
NC Reconnect Charge Revenue	\$19.00	\$12.94	-32%	Adjusted to reflect cost study
NC After Hours Reconnect Charge Revenue	\$55.00	\$19.48	-65%	Adjusted to reflect cost study
NC Returned Check Charge Revenue	\$5.00	\$5.00	0%	Adjusted to reflect cost study
NC Additional Facilities Charges (Non-Contributory)	1.0%	1.0%	0%	Adjusted to reflect cost study
NC Additional Facilities Charges (Contributory)	0.4%	0.3%	-25%	Adjusted to reflect cost study
NC Meter Test - Non-Demand	\$40.00	\$45.00	13%	Adjusted to reflect cost study
NC Meter Test - Demand or TOU	\$50.00	\$57.00	14%	Adjusted to reflect cost study
Billed KVAR	\$0.32	\$0.32	0%	Adjusted to reflect cost study
<b>Excess Deferred Income Tax Rider EDIT-1</b>				
Decremental Rate	(\$0.00114)	(\$0.00094)	-17.5%	Per DEC Witness Smith Exh bit No. 3
<b>Excess Deferred Income Tax Rider EDIT-2</b>				
Residential	New	(\$0.00430)	N/A	Per DEC Witness Pirro Exhibit No. 8
General Service (Small)	New	(\$0.00443)	N/A	Per DEC Witness Pirro Exhibit No. 8
General Service (Constant Load)	New	(\$0.00440)	N/A	Per DEC Witness Pirro Exhibit No. 8
General Service (Medium)	New	(\$0.00247)	N/A	Per DEC Witness Pirro Exhibit No. 8
General Service (Large)	New	(\$0.00171)	N/A	Per DEC Witness Pirro Exhibit No. 8
Traffic Signal Service	New	(\$0.00336)	N/A	Per DEC Witness Pirro Exhibit No. 8

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Description	Current Rate	Proposed Rate	Percentage Change	Rationale for Change
Outdoor Lighting	New	(\$0.01367)	N/A	Per DEC Witness Pirro Exhibit No. 8
Sports Field Lighting	New	(\$0.00704)	N/A	Per DEC Witness Pirro Exhibit No. 8
Seasonal and Intermittent	New	(\$0.00424)	N/A	Per DEC Witness Pirro Exhibit No. 8
<b>Regulator Asset and Liability Rider RAL</b>				
Decremental Rate	New	(\$0.00005)	N/A	Per DEC Witness Smith Exhibit No. 5



# Duke Energy Progress, LLC Current North Carolina Tariffs Highlighted

<u>SCHEDULE</u>	<u>DESCRIPTION</u>	<u>PAGE NO.</u>
<b>I. RETAIL CLASSIFICATION</b>		
<b>A. RESIDENTIAL RATE SCHEDULES</b>		
RES-60	Residential Service.....	R-1
R-TOUD-60	Residential Service Time-of-Use .....	R-2
R-TOU-60	Residential Service Time-of-Use .....	R-3
<b>B. GENERAL SERVICE RATE SCHEDULES</b>		
SGS-60	Small General Service.....	G-1
SGS-TOU-60	Small General Service (All-Energy) Time-of-Use .....	G-2
MGS-60	Medium General Service.....	G-3
SI-60	Seasonal or Intermittent Service.....	G-4
SGS-TOU-60	Small General Service (Time-of-Use) .....	G-5
CH-TOUE-60	Church Service (Time-of-Use) .....	G-6
GS-TES-60	General Service (Thermal Energy Storage).....	G-7
APH-TES-60	Agricultural Post-Harvest Service.....	G-8
LGS-60	Large General Service.....	G-9
LGS-TOU-60	Large General Service (Time-of-Use) .....	G-10
LGS-RTP-60	Large General Service (Real Time Pricing) .....	G-11
CSG-60	Church and School Service .....	G-12
CSE-60	Church and School Service .....	G-13
SGS-TOU-CLR-60	Small General Service (Constant Load) .....	G-14
<b>C. LIGHTING RATE SCHEDULES</b>		
TSS-60	Traffic Signal Service .....	L-1
TIS-60	Traffic Signal Service (Metered).....	L-2
ALS-60	Area Lighting Service.....	L-3
SLS-60	Street Lighting Service.....	L-4
SILR-60	Street Lighting Service -- Residential Subdivisions and Neighborhoods .....	L-5
SFLS-60	Sports Field Lighting Service.....	L-6
<b>D. RETAIL RIDERS</b>		
BA-22	Annual Billing Adjustments.....	RR-1
SS-61	Supplementary and Firm Standby Service .....	RR-15
NFS-13	Supplementary and Non-Firm Standby Service (Experimental).....	RR-16
LIC-14	Large Load Curtailable .....	RR-17
68O	Dispatched Power .....	RR-18
IPS-12	Incremental Power Service .....	RR-19
MROP-15	Meter-Related Optional Programs.....	RR-23
EDIT-1A	Excess Deferred Income Tax Rider.....	RR-26
EDIT-2	Excess Deferred Income Tax Rider (NEW) .....	RR-32
RAL-1	Regulatory Asset and Liability Rider (NEW) .....	RR-33
<b>E. ADMINISTRATIVE PROCEDURES</b>		
Outdoor Lighting Service Regulations (Rev. 11/28/19) .....		A-1
Service Regulations (Rev. 11/28/19).....		A-2
Line Extension Plan E-68 .....		A-3
<b>II. COGENERATION CLASSIFICATION</b>		
Terms and Conditions for the Purchase of Electric Power (Rev. 11/28/19) .....		C-2

**IN CONJUNCTION WITH:**

Any Retail Schedule .....	RR-1
General Service Schedules .....	RR-15
General Service Schedules .....	RR-16
LGS Schedules .....	RR-17
LGS Schedules .....	RR-18
LGS-TOU Schedule .....	RR-19
Residential and General Service Schedules .....	RR-23
Residential, General Service and Lighting.....	RR-26
Residential, General Service and Lighting.....	RR-32
Residential, General Service and Lighting.....	RR-33



Duke Energy Progress, LLC  
(North Carolina Only)

R-1

RESIDENTIAL SERVICE  
SCHEDULE RES-~~5660~~

AVAILABILITY

This Schedule is available when electric service is used for domestic purposes in and about (1) a residential dwelling unit, including electric service used on a farm and in the preparation of the farm's products for market, or (2) a family care home. A residential dwelling unit served under this Schedule may be used as a boarding house, fraternity house, tourist home, or like establishment, provided such residential dwelling unit is one which ordinarily would be used as a private residence. A family care home is defined as a home with support and supervisory personnel that provides room and board, personal care and habilitation services in a family environment for not more than six resident handicapped persons.

Service under this Schedule is not available for processing (or handling) for market of farm products produced by others; for separately metered domestic or farm operations; for individual motors in excess of 10 HP (in exceptional cases, motors as large as 15 HP may be served upon approval by the Engineering Department); for commercial or industrial purposes; for other uses not specifically provided for by the provisions herein; or for resale service, except as provided for in Chapter 22 of the Commission Rules regarding the provision of electric service by landlords.

Nonfossil energy sources caused by acts of nature such as wind or solar are permitted as supplement to Customer's energy requirement provided Company is granted the right to install, operate, and monitor special equipment at Company's expense to measure Customer's load or any part thereof and to obtain any other data necessary to determine the operating characteristics and effects of the installation. In situations where special equipment is needed to assure safety, reliability, or metering accuracy, the installation of such equipment shall be at the Customer's expense.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one kilowatt-hour meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, either single-phase 2 or 3 wires, or three-phase 4 wires, at Company's standard voltages of 240 volts or less.

MONTHLY RATE

I. For Single-Phase Service:

<u>Bills Rendered During July - October</u>		<u>Bills Rendered During November - June</u>	
A.	Basic Customer Charge: \$14.00 per month	Basic Customer Charge: \$14.00 per month	
B.	Kilowatt-Hour Charge: <del>10.81</del> <u>12.63</u> ¢ per kWh	Kilowatt-Hour Charge: <del>10.34</del> <u>12.03</u> ¢ per kWh	

II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Residential Classification - \$1.42/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

PAYMENTS

Bills are due when rendered and are payable within 25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall not be less than one year.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule RES-~~5356~~  
Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

Duke Energy Progress, LLC  
(North Carolina Only)

R-2

RESIDENTIAL SERVICE  
TIME-OF-USE  
SCHEDULE R-TOUD-~~5660~~

AVAILABILITY

This Schedule is available on a voluntary basis when electric service is used for domestic purposes in and about (1) a residential dwelling unit, including electric service used on a farm and in the preparation of the farm products for market, or (2) a family care home. A residential dwelling unit served under this Schedule may be used as a boarding house, fraternity house, tourist home, or like establishment, provided such residential dwelling unit is one which ordinarily would be used as a private residence. A family care home is defined as a home with support and supervisory personnel that provides room and board, personal care and habilitation services in a family environment for not more than six resident handicapped persons. This Schedule is also available to an existing residential customer (1) if service is also received under Net Metering for Renewable Energy Facilities Rider NM or (2) if served under the Residential Service Time-of-Use Schedule R-TOUD before December 1, 2013 until such time as service is terminated or service is elected under another available schedule.

This Schedule is also available to customers served under the Residential Service Load Control Rider with applicable billing credits. Billing demands established and energy consumed by the load subject to control will be billed in accordance with this Schedule.

Service under this Schedule is not available: (1) for processing (or handling) for market of farm products produced by others; (2) for separately metered domestic or farm operations; (3) for individual motors in excess of 10 HP (in exceptional cases, motors as large as 15 HP may be served upon approval by the Engineering Department); (4) for commercial or industrial purposes; (5) for other uses not specifically provided for by the provisions herein; (6) for new applicants on and after December 1, 2013, or (7) for resale service, except as provided for in Chapter 22 of the Commission Rules regarding the provision of electric service by landlords.

Nonfossil energy sources caused by acts of nature such as wind or solar are permitted as supplement to Customer's energy requirement provided Company is granted the right to install, operate, and monitor special equipment at Company's expense to measure Customer's load or any part thereof and to obtain any other data necessary to determine the operating characteristics and effects of the installation. In situations where special equipment is needed to assure safety, reliability, or metering accuracy, the installation of such equipment shall be at the Customer's expense.

APPLICABILITY

This Schedule is applicable to all electric service of the same type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, either single-phase 2 or 3 wires, or three-phase 4 wires, at Company's standard voltages of 240 volts or less.

MONTHLY RATE

I. For Single-Phase Service:

A. Service used during calendar months  
of June through September:

1. Basic Customer Charge:  
\$16.85

2. On-Peak kW Demand Charge:  
~~\$4.885.65~~ per kW for all on-peak

peak

Billing Demand

3. kWh Energy Charge:  
~~7.5698.763¢~~ per on-peak kWh

kWh

~~6.1297.096¢~~ per off-peak kWh

kWh

B. Service used during calendar months  
of October through May:

1. Basic Customer Charge:  
\$16.85

2. On-Peak kW Demand Charge:  
~~\$3.904.52~~ per kW for all on-

Billing Demand

3. kWh Energy Charge:  
~~7.5698.763¢~~ per on-peak

~~6.1297.096¢~~ per off-peak

Minimum Bill

The minimum monthly charge shall be the Basic Customer Charge plus the REPS Adjustment.

II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Residential Classification - \$1.42/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

BILLING DEMAND

The on-peak Billing Demand shall be the maximum demand used in the on-peak hours of the current month during any 15-minute interval.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

I. On-Peak Hours:

A. Service used beginning at 12:00 midnight March 31 and ending at 12:00 midnight September 30:

The on-peak hours are defined as the hours between 10:00 a.m. and 9:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

B. Service used beginning at 12:00 midnight September 30 and ending at 12:00 midnight March 31:

The on-peak hours are defined as those hours between 6:00 a.m. and 1:00 p.m., plus 4:00 p.m. through 9:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

## II. Off-Peak Hours:

The off-peak hours in any month are defined as all hours not specified above as on-peak hours. All hours for the following holidays will be considered off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the Holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.

## SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

## PAYMENTS

Bills are due when rendered and are payable within 25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

## CONTRACT PERIOD

The Contract Period shall be on a monthly basis. For a Customer who has previously received service under this Schedule or its predecessor, at the current location, the Contract Period shall not be less than one year.

## GENERAL

Service under this Schedule is subject to the Company's Service Regulations, and any changes therein, substitutions therefore, or additions thereto lawfully made.

## ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule R-TOUD-~~5356~~  
Effective for service rendered on and after September 1, 2019~~November 29, 2019~~  
NCUC Docket No. E-2, Subs ~~1142 and 1153-1219~~



RESIDENTIAL SERVICE  
TIME-OF-USE  
SCHEDULE R-TOU-~~5660~~

AVAILABILITY

This Schedule is available on a voluntary basis when electric service is used for domestic purposes in and about (1) a residential dwelling unit, including electric service used on a farm and in the preparation of the farm products for market, or (2) a family care home. A residential dwelling unit served under this Schedule may be used as a boarding house, fraternity house, tourist home, or like establishment, provided such residential dwelling unit is one which ordinarily would be used as a private residence. A family care home is defined as a home with support and supervisory personnel that provides room and board, personal care and habilitation services in a family environment for not more than six resident handicapped persons.

Service under this Schedule is not available: (1) for processing (or handling) for market of farm products produced by others; (2) for separately metered domestic or farm operations; (3) for individual motors in excess of 10 HP (in exceptional cases, motors as large as 15 HP may be served upon approval by the Engineering Department); (4) for commercial or industrial purposes; (5) for other uses not specifically provided for by the provisions herein; or (6) for resale service, except as provided for in Chapter 22 of the Commission Rules regarding provision of electric service by landlords.

Nonfossil energy sources caused by acts of nature such as wind or solar are permitted as supplement to Customer's energy requirement provided Company is granted the right to install, operate, and monitor special equipment to measure Customer's load or any part thereof and to obtain any other data necessary to determine the operating characteristics and effects of the installation. In situations where special equipment is needed to assure safety, reliability, or metering accuracy, the installation of such equipment shall be at the Customer's expense.

APPLICABILITY

This Schedule is applicable to all electric service of the same type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, either single-phase 2 or 3 wires, or three-phase 4 wires, at Company's standard voltages of 240 volts or less.

MONTHLY RATE

I. For Single-Phase Service:			
A. Service used during the calendar months of June through September:		B. Service used during the calendar months of October through May:	
1. <u>Basic Customer Charge:</u>		1. <u>Basic Customer Charge:</u>	
\$16.85		\$16.85	

2. kWh Energy Charge:

~~23.90429.295¢~~ per on-peak kWh  
~~12.39314.648¢~~ per shoulder kWh  
~~7.4608.370¢~~ per off-peak kWh

2. kWh Energy Charge:

~~22.75327.830¢~~ per on-peak kWh  
~~12.10514.282¢~~ per shoulder kWh  
~~7.4608.370¢~~ per off-peak kWh

### Minimum Bill

The minimum monthly charge shall be the Basic Customer Charge.

### II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

### III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Residential Classification - \$1.42/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

### DETERMINATION OF ON-PEAK, SHOULDER, AND OFF-PEAK HOURS

#### I. Service used beginning at 12:00 midnight March 31, and ending at 12:00 midnight September 30:

- A. The on-peak hours are defined as the hours between 1:00 p.m. and 6:00 p.m. Monday through Friday, excluding holidays defined as off-peak.
- B. The shoulder hours are defined as the hours between 11:00 a.m. and 1:00 p.m. and between 6:00 p.m. and 8:00 p.m. Monday through Friday, excluding holidays defined as off-peak.
- C. The off-peak hours are defined as all other hours, plus holidays defined as off-peak.

#### II. Service used beginning at 12:00 midnight September 30, and ending at 12:00 midnight March 31:

- A. The on-peak hours are defined as the hours between 6:00 a.m. and 9:00 a.m. Monday through Friday, excluding holidays defined as off-peak.
- B. The shoulder hours are defined as the hours between 9:00 a.m. and noon and between 5:00 p.m. and 8:00 p.m. Monday through Friday, excluding holidays defined as off-peak.
- C. The off-peak hours are defined as all other hours, plus holidays defined as off-peak.

### III. Off-Peak Holidays:

All hours for the following holidays will be considered as off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the Holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.



SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

PAYMENTS

Bills are due when rendered and are payable within 25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall be on a monthly basis. For a Customer who has previously received service under this Schedule or its predecessor, at the current location, the Contract Period shall not be less than one year.

GENERAL

Service under this Schedule is subject to the Company's Service Regulations, and any changes therein, substitutions therefore, or additions thereto lawfully made.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule R-TOU-~~5356~~

Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219

Duke Energy Progress, LLC  
(North Carolina Only)

SMALL GENERAL SERVICE  
SCHEDULE SGS-~~5660~~

AVAILABILITY

This Schedule is available for electric service used by a nonresidential customer at a single point of delivery, at one of the Company's standard voltages, with a Contract Demand of less than 30 kW, until the Customer's registered demand equals or exceeds 35 kW in two or more of the preceding 12 months, or until the Customer's registered demand equals or exceeds 50 kW.

This Schedule is not available: (1) for residential service, (2) for resale service, (3) for a Contract Demand of 30 kW or more, (4) whenever the monthly registered demand equals or exceeds 35 kW in two or more of the preceding 12 months, or (5) whenever the monthly registered demand equals or exceeds 50 kW. The Company may at any time conduct a test or install a demand meter to determine the maximum 15-minute demand.

When the Customer has installed generating or converting equipment that can operate in parallel with the Company's service, the Customer shall install the protective equipment acceptable to the Company that will protect the Company's employees, its other customers, and its distribution system. The Company shall have the right to suspend delivery of electricity to the Customer with such generating or converting equipment until the Customer has installed the protective equipment.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

I. For Single-Phase Service:

A. \$21.00 Customer Charge

B. Kilowatt-Hour Energy Charge:

~~11.49~~613.580¢ per kWh for the first 750 kWh  
~~9.82~~611.606¢ per kWh for the next 1,250 kWh  
~~9.37~~211.071¢ per kWh for all additional kWh

II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, the Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The Contract Period shall not be less than one year; except for short-term, construction, or temporary service, the Contract Period may be for the period requested by the Customer and in such event the Customer agrees:

1. That the service supplied shall be for a continuous period until disconnected; and
2. That where it is necessary for the Company to extend lines, erect transformers, or do any work necessary to supply service, except the installation of a self-contained meter, the Customer shall pay for the line extension in accordance with Line Extension Plan E.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SGS ~~5653~~  
Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

SMALL GENERAL SERVICE  
ALL-ENERGY TIME-OF-USE  
SCHEDULE SGS-TOUE-~~\$660~~

AVAILABILITY

This Schedule is available for electric service used by a nonresidential customer at a single point of delivery, at one of the Company's standard voltages, with a Contract Demand of less than 30 kW, until the Customer's registered demand equals or exceeds 35 kW in two or more of the preceding 12 months, or until the Customer's registered demand equals or exceeds 50 kW.

This Schedule is not available: (1) for residential service, (2) for resale service, (3) for a Contract Demand of 30 kW or more, (4) whenever the monthly registered demand equals or exceeds 35 kW in two or more of the preceding 12 months, or (5) whenever the monthly registered demand equals or exceeds 50 kW. The Company may at any time conduct a test or install a demand meter to determine the maximum 15 minute demand.

When the Customer has installed generating or converting equipment that can operate in parallel with the Company's service, the Customer shall install the protective equipment acceptable to the Company that will protect the Company's employees, its other customers, and its distribution system. The Company shall have the right to suspend delivery of electricity to the Customer with such generating or converting equipment until the Customer has installed the protective equipment.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, single-phase 2 or 3 wires, or three-phase 3 or 4 wires, at Company's standard voltages. When Customer desires two or more types of service, which types can be supplied from a single-phase 3 wire type or a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

- I. For Single-Phase Service:
  - A. Service used during the calendar months of June through September:
    1. Basic Customer Charge: \$21.00
  - B. Service used during the calendar months of October through May:
    1. Basic Customer Charge: \$21.00

2. <u>kWh Energy Charge:</u>	2. <u>kWh Energy Charge:</u>
<del>22.219</del> <u>30.840</u> ¢ per on-peak kWh	<del>20.137</del> <u>27.756</u> ¢ per on-peak kWh
<del>11.810</del> <u>15.420</u> ¢ per shoulder kWh	<del>11.290</del> <u>14.649</u> ¢ per shoulder kWh
<del>6.605</del> <u>7.710</u> ¢ per off-peak kWh	<del>6.605</del> <u>7.710</u> ¢ per off-peak kWh

Minimum Bill

The minimum monthly charge shall be the Basic Customer Charge.

II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

DETERMINATION OF ON-PEAK, SHOULDER, AND OFF-PEAK HOURS

I. Service used beginning at 12:00 midnight March 31, and ending at 12:00 midnight September 30:

- A. The on-peak hours are defined as the hours between 1:00 p.m. and 6:00 p.m. Monday through Friday, excluding holidays defined as off-peak.
- B. The shoulder hours are defined as the hours between 11:00 a.m. and 1:00 p.m. and between 6:00 p.m. and 8:00 p.m. Monday through Friday, excluding holidays defined as off-peak.
- C. The off-peak hours are defined as all other hours, plus holidays defined as off-peak.

II. Service used beginning at 12:00 midnight September 30, and ending at 12:00 midnight March 31:

- A. The on-peak hours are defined as the hours between 6:00 a.m. and 9:00 a.m. Monday through Friday, excluding holidays defined as off-peak.
- B. The shoulder hours are defined as the hours between 9:00 a.m. and noon and between 5:00 p.m. and 8:00 p.m. Monday through Friday, excluding holidays defined as off-peak.
- C. The off-peak hours are defined as all other hours, plus holidays defined as off-peak.

III. Off-Peak Holidays:

All hours for the following holidays will be considered as off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the Holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.



SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, the Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall not be less than one year; except for short-term, construction, or temporary service, the Contract Period may be for the period requested by the Customer and in such event the Customer agrees:

1. That the service supplied shall be for a continuous period until disconnected; and
2. That where it is necessary for the Company to extend lines, erect transformers, or do any work necessary to supply service, except the installation of a self-contained meter, the Customer shall pay for the line extension in accordance with Line Extension Plan E.

GENERAL

Service under this Schedule is subject to the Company's Service Regulations, and any changes therein, substitutions therefore, or additions thereto lawfully made.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SGS-TOUE-~~5356~~  
Effective for service rendered on and after September 1, 2019November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

Duke Energy Progress, LLC  
(North Carolina Only)

MEDIUM GENERAL SERVICE  
SCHEDULE MGS-~~5660~~

AVAILABILITY

This Schedule is available for electric service used by a nonresidential customer at a single point of delivery, at one of the Company's standard voltages, with a Contract Demand or a registered or computed demand of 30 kW and greater, but less than 1,000 kW. This Schedule is also available to an existing nonresidential customer if served under the Small General Service Schedule SGS on September 24, 1982 with: (1) a Contract Demand of 1,000 kW or more, until such time as service is terminated, or service is elected under another available schedule; or (2) a Contract Demand below 1,000 kW until such time as the registered or computed demand equals or exceeds 1,200 kW in two or more of the preceding 12 months or the Customer's Contract Demand is increased to 1,000 kW or more, whereupon this Schedule will no longer be available thereafter.

This Schedule is not available: (1) for residential service; (2) for breakdown, standby, or supplementary service unless used in conjunction with the applicable standby or generation service rider for a continuous period of not less than one year; (3) for resale service; or (4) for a new customer after September 23, 1982 with a Contract Demand of 1,000 kW or more, or whenever the registered or computed demand equals or exceeds 1,200 kW in two or more of the preceding 12 months.

MONTHLY RATE

I. For Single-Phase Service:

A. Customer Charge: \$28.50 per month

B. Billing Demand: ~~\$64~~\$56.72 per kW

C. Kilowatt-Hour Energy Charge:  
~~7.3798,068¢~~ per kWh for all kWh

II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.



The Billing Demand shall be the greater of: (1) the maximum kW registered or computed, by or from the Company's metering facilities, during any 15-minute interval within the current billing month; (2) 80% of the maximum 15-minute demand during the billing months of July through October of the preceding 11 billing months; (3) 60% of the maximum monthly 15-minute demand during the billing months of November through June of the preceding 11 billing months; (4) 75% of the Contract Demand until such time as the Billing Demand first equals or exceeds the effective Contract Demand; or (5) 25 kW.

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15~~<sup>25</sup> days from the date of the bill. If any bill is not so paid, the Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The Contract Period shall not be less than one year; except for short-term, construction, or temporary service, the Contract Period may be for the period requested by the Customer and in such event the Customer agrees:

- I. That the service supplied shall be for a continuous period until disconnected; and
- II. That where it is necessary for the Company to extend lines, erect transformers, or do any work necessary to supply service, except the installation of a self-contained meter, the Customer shall pay for the line extension in accordance with Line Extension Plan E.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders ~~EDIT-1 and EDIT-2~~, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule MGS-~~5356~~  
Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

SEASONAL OR INTERMITTENT SERVICE  
SCHEDULE SI-~~5660~~

AVAILABILITY

This Schedule is available for a nonresidential customer at a single point of delivery, at one of the Company's standard voltages, and whose operation is normally seasonal or varies greatly from month to month; whose actual kW demand for at least two consecutive months is less than 30% of the greater of the Contract Demand or maximum demand registered in the preceding 12 months; and whose Contract Demand or registered or computed demand is 30 kW or more.

This Schedule is not available for short-term, construction, temporary, breakdown, standby, or supplementary service or for Contract Demands or loads of less than 30 kW or greater than 100,000 kW.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

I. For those months when service is used:

For Single-Phase Service:

A. \$28.50 Customer Charge

B. Kilowatt-hour Energy Charge:

~~12.49¢~~ 13.54¢ per kWh for the first 2,000 kWh  
~~10.37¢~~ 11.24¢ per kWh for all additional kWh

For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

II. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month

Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

III. A charge will be added to the monthly bill in each of three consecutive months in each contract year to be referred to as facilities charge months. Facilities charge months shall begin with the first month service is taken or as specified in the Service Agreement but shall not begin later than the tenth month of the contract year. The charge to be added during each facilities charge month will be determined as follows:

\$41.00	Customer Seasonal Charge
\$ 1.84	per kW Facilities Charge for each kW of demand registered in the first facilities charge month or the maximum 15-minute registered demand in the previous 11 months or the Contract Demand, whichever is greater.

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15-25~~ days from the date of the bill. If any bill is not so paid, the Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### REMOVAL OF FACILITIES

If the Customer is not using service or is only partially using service, the Company may, after notice to the Customer, remove any of its transformers and other equipment (other than structures and conductors) or may substitute other equipment for that which is being only partially used by the Customer. In either event, the Company will furnish and install, at its own expense, the same or equivalent equipment, or any needed substitute equipment, at the time the Customer notifies the Company of their desire to resume taking service.

#### CONTRACT PERIOD

The Contract Period shall not be less than one year, except where the Customer fails to meet the availability requirement of this Schedule.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders ~~EDIT-1 and EDIT-2~~, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SI-~~5356~~  
Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219

Duke Energy Progress, LLC  
(North Carolina Only)

SMALL GENERAL SERVICE  
(TIME-OF-USE)  
SCHEDULE SGS-TOU-~~5660~~

AVAILABILITY

This Schedule is available on a voluntary basis for electric service used by a nonresidential customer with an initial Contract Demand of 30 kW or greater but less than 1,000 kW. This Schedule is also available to an existing nonresidential customer with a Contract Demand below 30 kW (1) if service is also received under Net Metering for Renewable Energy Facilities Rider NM or (2) if served under the Small General Service (Time-of-Use) Schedule SGS-TOU before December 1, 2013, until such time as service is terminated or service is elected under another available schedule.

This Schedule is not available: (1) for residential service; (2) for breakdown, standby, or supplementary service, unless used in conjunction with the applicable standby or generation service rider for a continuous period of not less than one year; (3) for resale service; (4) for new applicants with a Contract Demand below 30 kW on and after December 1, 2013; or (5) whenever the registered or computed demand equals or exceeds 1,000 kW and an increase in the capacity of Company's facilities is required.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, single-phase 2 or 3 wires, or three-phase 3 or 4 wires, at Company's standard voltages. When Customer desires two or more types of service, which types can be supplied from a single-phase 3 wire type or a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

I. Service used during the calendar months of June through September:

A. Basic Customer Charge:

\$35.50

B. kW Demand Charge:

1. \$ ~~10.53~~11.58 per kW for all kW of on-peak Billing Demand
2. \$ ~~1.22~~1.85 per kW for all off-peak excess Billing Demand

~~6-4607.100¢~~ per on-peak kWh  
~~5-2355.754¢~~ per off-peak kWh

II. Service used during the calendar months of October through May:

A. Basic Customer Charge:

\$35.50

B. kW Demand Charge:

1. ~~\$8-859.73~~ per kW for all kW of on-peak Billing Demand
2. ~~\$1-221.85~~ per kW for all off-peak excess Billing Demand

C. kWh Energy Charge:

~~6-4607.100¢~~ per on-peak kWh  
~~5-2355.754¢~~ per off-peak kWh

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

IV. Minimum Bill:

The minimum monthly charge shall be the sum of (1) the Basic Customer Charge, (2) the REPS Adjustment, (3) ~~4-9445.502¢~~ per kWh, and (4) ~~\$1-221.85~~ per kW for the higher of: (a) the Contract Demand or (b) the maximum monthly 15-minute demand during the current and preceding 11 billing months.

BILLING DEMANDS

- I. The on-peak Billing Demand shall be the maximum demand registered or computed from Company's metering facilities used in the on-peak hours of the current month during any 15-minute interval.

- II. The off-peak excess Billing Demand is the maximum demand registered or computed from Company's metering facilities used during any 15-minute interval in the off-peak hours of the current month less the on-peak Billing Demand.



I. On-Peak Hours:

- A. Service used beginning at 12:00 midnight March 31 and ending at 12:00 midnight September 30:

The on-peak hours are defined as the hours between 10:00 a.m. and 10:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

- B. Service used beginning at 12:00 midnight September 30 and ending at 12:00 midnight March 31:

The on-peak hours are defined as those hours between 6:00 a.m. and 1:00 p.m., plus 4:00 p.m. through 9:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

II. Off-Peak Hours:

The off-peak hours in any month are defined as all hours not specified above as on-peak hours. All hours for the following holidays will be considered as off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

PAYMENTS

Bills are due when rendered and are payable within ~~15-25~~ days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall not be less than one year, except where Customer fails to meet the availability requirements of this Schedule. For short-term, construction, or temporary service, the Contract Period may be for the period requested by the Customer and in such event Customer agrees:

- I. That the service supplied shall be for a continuous period until discontinued; and
- II. That where it is necessary for Company to extend lines, erect transformers, or do any work necessary to supply service, Customer shall pay for the line extension in accordance with Line Extension Plan E.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Company's Service Regulations, and any changes therein, substitutions therefore, or additions thereto lawfully made.



The MONTHLY RATE includes fuel, DSM and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders ~~EDIT-1 and EDIT-2~~, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SGS-TOU-~~5356~~

Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019

NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

Duke Energy Progress, LLC  
(North Carolina Only)

G-6

CHURCH SERVICE  
(TIME-OF-USE)  
SCHEDULE CH-TOUE--~~5660~~

AVAILABILITY

This schedule is available on a voluntary basis for electric service used by churches with a Contract Demand or a registered or computed demand of 30 kW and greater, but less than 1,000 kW.

This Schedule is not available: (1) for residential service; (2) for short-term, construction, temporary, breakdown, standby, or supplementary service; (3) for resale service; (4) for a Contract Demand of 1,000 kW or more; (5) whenever the registered or computed demand equals or exceeds 1,200 kW in two or more of the preceding 12 months and an increase in the capacity of Company's facilities is required; (6) whenever the registered or computed demand equals or exceeds 1,500 kW; or (7) for electric service to a building which is wholly or partially used for other purposes not specifically provided for by the provisions of this Schedule.

Company has the right to install, operate, and monitor special equipment to measure Customer's load characteristics.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, single-phase 2 or 3 wires, or three-phase 3 or 4 wires, at Company's standard voltages. When Customer desires two or more types of service, which types can be supplied from a single-phase 3 wire type or a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

- I. For Service used during the calendar months of June through September:
  - A. Basic Customer Charge:  
\$35.50
  - B. kWh Energy Charge:  
~~25.82928.444¢~~ per on-peak kWh  
~~7.3658.111¢~~ per off-peak kWh

/A

II. For Service used during the calendar months of October through May:

A. Basic Customer Charge:  
\$35.50

B. kWh Energy Charge:  
~~24.31326.775¢~~ per on-peak kWh  
~~7.3658.111¢~~ per off-peak kWh

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

IV. Minimum Bill:

The minimum monthly charge shall be the sum of (1) the Basic Customer Charge, (2) the REPS Adjustment, (3) ~~5.3135.502¢~~ per kWh and (4) ~~\$1.221.85~~ per kW for the higher of: (a) the Contract Demand or (b) the maximum monthly 15-minute demand registered or computed from Company's metering facilities during the current and preceding 11 billing months.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

I. On-Peak Hours:

A. Service used beginning at 12:00 midnight March 31 and ending at 12:00 midnight September 30:

The on-peak hours are defined as the hours between 10:00 a.m. and 10:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

B. Service used beginning at 12:00 midnight September 30 and ending at 12:00 midnight March 31:

The on-peak hours are defined as those hours between 6:00 a.m. and 1:00 p.m., plus 4:00 p.m. through 9:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

II. Off-Peak Hours:

The off-peak hours in any month are defined as all hours not specified above as on-peak hours. All hours for the following holidays will also be considered as off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall be on a monthly basis. For a Customer who has previously received service under this Schedule or its predecessors, the Contract Period shall not be less than one year.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Company's Service Regulations, and any changes therein, substitutions therefore, or additions thereto lawfully made.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule CH-TOUE-~~53~~56  
Effective for service rendered on and after ~~September 1, 2019~~November 29, 2010  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

GENERAL SERVICE  
(THERMAL ENERGY STORAGE)  
SCHEDULE GS-TES-~~5660~~

AVAILABILITY

This Schedule is available on a voluntary basis for electric service when used for thermal storage equipment to provide space conditioning requirements by a nonresidential customer with a Contract Demand less than 4,000 kW. Thermal storage equipment as defined herein must incorporate storage mediums of water, ice, or other phase change materials and would normally utilize electrical loads of chillers, boilers, pumps, or fans.

This Schedule is not available: (1) for residential service; (2) for temporary service; (3) for service used for purposes other than thermal storage space conditioning equipment; (4) for breakdown, standby, or supplementary service; (5) for resale service; or (6) for a Contract Demand of 4,000 kW or more.

APPLICABILITY

This Schedule is applicable to electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, single-phase 2 or 3 wires, or three-phase 3 or 4 wires, at Company's standard voltages. When Customer desires two or more types of service, which types can be supplied from a single-phase 3 wire type or a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

I. Basic Customer Charge:

For Contract Demands less than 1,000 kW*	\$35.50
For Contract Demands of 1,000 kW or greater	\$200.00

\*If the registered or computed demand equals or exceeds 1,200 kW in two or more of the preceding 12 months, the Basic Customer Charge shall be increased to \$200.00 thereafter.

II. kW Demand Charge:

Service Rendered During the Calendar Months Of:  
June through September      October through May

A. On-Peak Billing Demand per kW	<del>\$12.3</del> <u>13.36</u> per kW	<del>\$11.04</del> <u>11.98</u>
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B. Off-Peak Excess Billing Demand	<del>\$1.22</del> <u>1.85</u> per kW	<del>\$1.22</del> <u>1.85</u> per kW
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III. kWh Energy Charge:

~~5.3405.760¢~~ per on-peak kWh  
~~5.0575.485¢~~ per off-peak kWh

IV. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

V. Minimum Bill:

The minimum monthly charge shall be the sum of (1) the Basic Customer Charge, (2) the REPS Adjustment, (3) ~~4.9445.502¢~~ per kWh, and (4) ~~\$1.221.85~~ per kW for the higher of: (a) the Contract Demand or (b) the maximum monthly 15-minute demand during the current and preceding 11 billing months.

BILLING DEMANDS

I. The on-peak Billing Demand shall be the maximum demand registered or computed from Company's metering facilities used in the on-peak hours of the current month during any 15-minute interval.

II. The off-peak excess Billing Demand is the maximum demand registered or computed from Company's metering facilities used during any 15-minute interval in the off-peak hours of the current month less the on-peak Billing Demand.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

I. On-Peak Hours:

A. Service used beginning at 12:00 midnight March 31 and ending at 12:00 midnight September 30:

The on-peak hours are defined as the hours between 12:00 noon and 8:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

B. Service used beginning at 12:00 midnight September 30 and ending at 12:00 midnight March 31:

The on-peak hours are defined as those hours between 6:00 a.m. and 1:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

II. Off-Peak Hours:

The off-peak hours in any month are defined as all hours not specified above as on-peak hours. All hours for the following holidays will be considered as off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall not be less than one year.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule GS-TES-~~5356~~

Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

Duke Energy Progress, LLC  
(North Carolina Only)

G-8

AGRICULTURAL POST-HARVEST PROCESSING  
(EXPERIMENTAL THERMAL ENERGY STORAGE)  
SCHEDULE APH-TES-~~5660~~

AVAILABILITY

This Schedule is available on an experimental basis for electric service to the first ten customers applying when used by thermal storage equipment installed for the post-harvest processing of fruits and vegetables. Thermal storage equipment as defined herein must incorporate storage mediums of water, ice, or other phase change materials and would normally utilize electrical loads of chillers, boilers, pumps, or fans. The Contract Demand must be less than 1,000 kW.

This Schedule is not available: (1) for service used for purposes other than thermal storage equipment utilized in the processing of fruits and vegetables; (2) for temporary service; (3) for breakdown, standby, or supplementary service; (4) for resale service; (5) for a Contract Demand of 1,000 kW or more; or (6) whenever the registered or computed demand equals or exceeds 1,200 kW in two or more of the preceding 12 months.

APPLICABILITY

This Schedule is applicable to electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, single-phase 2 or 3 wires, or three-phase 3 or 4 wires, at Company's standard voltages. When Customer desires two or more types of service, which types can be supplied from a single-phase 3 wire type or a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

I. Basic Customer Charge:

\$35.50

II. kW Demand Charge:

Service Rendered During the Calendar Months Of:  
June through September      October through May

A. On-Peak Billing Demand      \$~~12.3~~13.36 per kW      \$~~11.04~~11.98  
per kW

B. Off-Peak Excess Billing Demand      \$ +221.85 per kW      \$ +221.85 per kW

III. kWh Energy Charge:

~~5.34~~105.760¢ per on-peak kWh  
~~5.05~~75.485¢ per off-peak kWh

IV. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

V. Minimum Bill:

The minimum monthly charge shall be the sum of (1) the Basic Customer Charge, (2) the REPS Adjustment, (3) ~~4.94~~45.502¢ per kWh, and (4) ~~\$1.22~~1.85 per kW for the higher of: (a) the Contract Demand or (b) the maximum monthly 15-minute demand during the current and preceding 11 billing months.

BILLING DEMANDS

- I. The on-peak Billing Demand shall be the maximum demand registered or computed from Company's metering facilities used in the on-peak hours of the current month during any 15-minute interval.
- II. The off-peak excess Billing Demand is the maximum demand registered or computed from Company's metering facilities used during any 15-minute interval in the off-peak hours of the current month less the on-peak Billing Demand.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

- I. On-Peak Hours:
  - A. Service used beginning at 12:00 midnight March 31 and ending at 12:00 midnight September 30:

The on-peak hours are defined as the hours between 12:00 noon and 8:00 p.m., Monday through Friday, excluding holidays considered as off-peak.
  - B. Service used beginning at 12:00 midnight September 30 and ending at 12:00 midnight March 31:

The on-peak hours are defined as those hours between 6:00 a.m. and 1:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

II. Off-Peak Hours:

The off-peak hours in any month are defined as all hours not specified above as on-peak hours. All hours for the following holidays will be considered as off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall not be less than one year.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule APH-TES-~~5653~~  
Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219



Duke Energy Progress, LLC  
(North Carolina Only)

G-9

LARGE GENERAL SERVICE  
SCHEDULE LGS-~~5660~~

AVAILABILITY

This Schedule is available for electric service used by a nonresidential customer with either a Contract Demand that equals or exceeds 1,000 kW or whenever the registered or computed demand equals or exceeds 1,000 kW in the preceding 12 months.

This Schedule is not available: (1) for breakdown, standby, or supplementary service unless used in conjunction with the applicable standby or generation service rider for a continuous period of not less than one year; (2) for resale service; or (3) for any new customer with a Contract Demand in excess of 100,000 kW.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, three-phase 3 or 4 wires, at Company's standard voltages of 480 volts or higher or the voltage at which Customer was being served on September 24, 1982. When Customer desires two or more types of service, which types can be supplied from a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

I. Basic Customer Charge:

\$200.00

II. kW Demand Charge:

~~\$12.96~~14.15 per kW for the first 5,000 kW of Billing Demand  
~~\$11.96~~13.15 per kW for the next 5,000 kW of Billing Demand  
~~\$10.96~~12.15 per kW for all over 10,000 kW of Billing Demand

III. kWh Energy Charge:

~~5.79~~66.32~~7~~¢ per kWh

IV. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

V. Transformation Discounts:

When Customer owns the step-down transformation and all other facilities beyond the transformation which Company would normally own, except Company's metering equipment, the charge per kW of Billing Demand and per kWh will be reduced in accordance with the following:

Transmission Service	Distribution Service
<u>Transformation Discount</u>	<u>Transformation Discount</u>
<del>\$0.500.53</del> /kW	<del>\$0.430.45</del> /kW
<u>\$0.000430.00020</u> /kWh	<u>\$0.000050.00008</u> /kWh

Transmission: For Customer to qualify for the Transmission Service Transformation Discount, Customer must own the step-down transformation and all other facilities beyond the transformation which Company would normally own, except Company's metering equipment, necessary to take service at the voltage of the 69 kV, 115 kV, or 230 kV transmission line from which Customer received service.

Distribution: For Customer to qualify for the Distribution Service Transformation Discount, Customer must own the step-down transformation and all other facilities beyond the transformation which Company would normally own, except Company's metering equipment, necessary to take service from the distribution line of 12.47 kV or higher from which Customer receives service. The distribution service source must be from a general distribution line and must be from other than a transmission-to-distribution substation built primarily for Customer's use in order to qualify for the Distribution Service Transformation Discount. A general distribution line is a 12.47 kV or higher voltage distribution line built to serve the general area and not built primarily to serve a specific customer.

Company shall have the option to install high-side metering equipment or low-side metering equipment compensated for Customer-owned transformer and line losses.

Any facilities which Company provides above those which Company would normally have utilized to service Customer's Contract Demand shall be considered as Extra Facilities. Any Company-owned protection system installed when service is directly from Company's 69 kV, 115 kV, or 230 kV transmission system or a distribution line of 12.47 kV or higher shall be considered Extra Facilities.

If changing conditions on Company's electrical system make continuation of the current delivery voltage impractical, Customer shall be responsible for all costs for the conversion beyond the point of delivery except any Company-owned metering equipment. At the time of the conversion, Company reserves the right to provide service at one of its available voltages.

If subsequent changes in the use of Company's facilities occur which cause the reclassification of either transformers or lines, Customer's entitlement to the discount may be changed.

#### VI. Minimum Bill:

The minimum monthly charge shall be the Basic Customer Charge plus the REPS Adjustment plus a charge for 1,000 kW.

#### BILLING DEMAND

The Billing Demand shall be the maximum kW registered or computed, by or from Company's metering facilities, during any 15-minute interval within the current billing month. However, the Billing Demand shall not be less than the greater of: (1) 80% of the maximum monthly 15-minute demand during the billing months of July through October of the preceding 11 billing months, or (2) 60% of the maximum monthly 15-minute demand during the billing months of November through June of the preceding 11 billing months, or (3) 75% of the Contract Demand until such time as the Billing Demand first equals or exceeds the effective Contract Demand, or (4) 1,000 kW.

#### POWER FACTOR ADJUSTMENT

When the power factor in the current billing month is less than 85%, the monthly bill will be increased by a sum equal to \$0.32 multiplied by the difference between the maximum reactive kilovolt-amperes (kVAr) registered by a demand meter suitable for measuring the demands used during a 15-minute interval and 62% of the maximum kW demand registered in the current billing month.

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The Contract Period shall not be less than one year, except for short-term, construction or temporary service, the Contract Period may be for the period requested by Customer and in such event Customer agrees:

1. That the service supplied shall be for a continuous period until disconnected; and
2. That where it is necessary for Company to extend lines, erect transformers, or do any work necessary to supply service, Customer shall pay for the line extension in accordance with Line Extension Plan E.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule LGS-~~5356~~

Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019

NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

LARGE GENERAL SERVICE  
(TIME-OF-USE)  
- SCHEDULE LGS-TOU-~~5660~~

AVAILABILITY

This Schedule is available on a voluntary basis for electric service used by a nonresidential customer with either a Contract Demand that equals or exceeds 1,000 kW or whenever the registered or computed demand equals or exceeds 1,000 kW in the preceding 12 months.

This Schedule is not available: (1) for breakdown, standby, or supplementary service, unless used in conjunction with the applicable standby or generation service rider for a continuous period of not less than one year; (2) for resale service; (3) for short-term or temporary service; or (4) for any new customer with a Contract Demand in excess of 100,000 kW.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, three-phase 3 or 4 wires, at Company's standard voltages of 480 volts or higher or the voltage at which Customer was being served on September 19, 1983. When Customer desires two or more types of service, which types can be supplied from a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

MONTHLY RATE

- I. Basic Customer Charge:  
\$200.00

II. kW Demand Charge:

- A. On-Peak Billing Demand:  
First 5,000 kW of  
Billing Demand

Service Rendered During the Calendar Months Of:  
June through September      October through May

~~\$20.29~~22.21 per kW

~~\$15.15~~16.59 per kW

For the next 5,000 kW  
of Billing Demand

~~\$19.29~~21.21 per kW

~~\$14.15~~15.59 per kW

All over 10,000 kW of  
Billing Demand

~~\$18.29~~20.21 per kW

~~\$13.15~~14.59 per kW

- B. All off-peak excess  
Billing Demand

~~\$0.89~~1.13 per kW

~~\$0.89~~1.13 per kW



~~5.3475.821~~¢ per on-peak kWh  
~~4.8475.321~~¢ per off-peak kWh

IV. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

V. Transformation Discounts:

When Customer owns the step-down transformation and all other facilities beyond the transformation which Company would normally own, except Company's metering equipment, the charge per kW of on-peak Billing Demand and per kWh will be reduced in accordance with the following:

Transmission Service	Distribution Service
<u>Transformation Discount</u>	<u>Transformation Discount</u>
<del>\$0.560.53</del> /kW	<del>\$0.430.45</del> /kW
<del>\$0.000430.00020</del> /kWh	<del>\$0.000050.00008</del> /kWh

Transmission: For Customer to qualify for the Transmission Service Transformation Discount, Customer must own the step-down transformation and all other facilities beyond the transformation which Company would normally own, except Company's metering equipment, necessary to take service at the voltage of the 69 kV, 115 kV, or 230 kV transmission line from which Customer received service.

Distribution: For Customer to qualify for the Distribution Service Transformation Discount, Customer must own the step-down transformation and all other facilities beyond the transformation which Company would normally own, except Company's metering equipment, necessary to take service from the distribution line of 12.47 kV or higher from which Customer receives service. The distribution service source must be from a general distribution line and must be from other than a transmission-to-distribution substation built primarily for Customer's use in order to qualify for the Distribution Service Transformation Discount. A general distribution line is a 12.47 kV or higher voltage distribution line built to serve the general area and not built primarily to serve a specific customer.

Company shall have the option to install high-side metering equipment or low-side metering equipment compensated for Customer-owned transformer and line losses.

Any facilities which Company provides above those which Company would normally have utilized to service Customer's Contract Demand shall be considered as Extra Facilities. Any Company-owned protection system installed when service is directly from Company's 69 kV, 115 kV, or 230 kV transmission system or a distribution line of 12.47 kV or higher shall be considered Extra Facilities.

If changing conditions on Company's electrical system make continuation of the current delivery voltage impractical, Customer shall be responsible for all costs for the conversion beyond the point of delivery except any Company-owned metering equipment. At the time of the conversion, Company reserves the right to provide service at one of its available voltages.

If subsequent changes in the use of Company's facilities occur which cause the reclassification of either transformers or lines, Customer's entitlement to the discount may be changed.

VI. Minimum Bill:

The minimum monthly charge shall be the Basic Customer Charge plus the REPS Adjustment plus a charge for 1,000 kW at the off-peak excess demand rate.

BILLING DEMANDS

- I. The on-peak Billing Demand shall be the maximum demand registered or computed by or from Company's metering facilities used in the on-peak hours of the current month during any 15-minute interval.
- II. The off-peak excess Billing Demand is the maximum demand registered or computed by or from Company's metering facilities used during any 15-minute interval in the off-peak hours of the current month less the on-peak Billing Demand.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

I. On-Peak Hours:

- A. Service used beginning at 12:00 midnight March 31 and ending at 12:00 midnight September 30:

The on-peak hours are defined as the hours between 10:00 a.m. and 10:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

- B. Service used beginning at 12:00 midnight September 30 and ending at 12:00 midnight March 31:

The on-peak hours are defined as those hours between 6:00 a.m. and 1:00 p.m., plus 4:00 p.m. through 9:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

II. Off-Peak Hours:

The off-peak hours in any month are defined as all hours not specified above as on-peak hours. All hours for the following holidays will be considered off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.

POWER FACTOR ADJUSTMENT

When the power factor in the current billing month is less than 85%, the monthly bill will be increased by a sum equal to \$0.32 multiplied by the difference between the maximum reactive kilovolt-amperes (kVAr) registered by a demand meter suitable for measuring the demand used during a 15-minute interval and 62% of the maximum kW demand registered in the current billing month.

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15-25~~ days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### RIDER APPLICATIONS

When this Schedule is used in conjunction with any applicable rider, the charges, if any, as stated in the rider will be adjusted to reflect the on-peak and off-peak periods and on-peak and off-peak charges in this Schedule unless specific and different on-peak and off-peak periods and charges are stated in the rider.

#### CONTRACT PERIOD

The Contract Period shall not be less than one year.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations and any changes therein, substitutions therefore, or additions thereto lawfully made.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders ~~EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL~~, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule LGS-TOU-~~5356~~  
Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219

Duke Energy Progress, LLC  
(North Carolina Only)

G-11

LARGE GENERAL SERVICE  
(REAL TIME PRICING)  
SCHEDULE LGS-RTP-~~5660~~

AVAILABILITY

This Schedule is available for electric service to a maximum of eighty-five (85) nonresidential Customer accounts with a Contract Demand that equals or exceeds 1,000 kW.

This Schedule is not available: (1) for short-term or temporary service; (2) for electric service in conjunction with Incremental Power Service Rider IPS or Dispatched Power Rider No. 68; (3) for electric service in conjunction with Economic Development Rider ED and Large Load Curtable Rider LLC, except as provided for in the RTP Base Charge; or (4) for any new Customer with a Contract Demand in excess of 50,000 kW.

Power delivered under this Schedule shall not be used for resale, or as a substitute for power contracted for or which may be contracted for under any other schedule of Company, except at the option of Company, under special terms and conditions expressed in writing in the contract with Customer. Customer shall be required to furnish and maintain a communication link and equipment suitable to support remote reading of Company's meter serving Customer and to support daily receipt of the Hourly Real Time Pricing (RTP) rates. Customer may use emergency or back-up generation to respond to RTP hourly rates without receiving standby service.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, three-phase 3 or 4 wires, at Company's standard voltages of 480 volts or higher. When Customer desires two or more types of service, which types can be supplied from a three-phase 4 wire type, without voltage transformation, only the type of service necessary for Customer's requirements will be supplied under this Schedule.

CONTRACT DEMAND

The Contract Demand shall be the kW of demand specified in the Service Agreement.

CUSTOMER BASELINE LOAD (CBL)

Company shall establish a Customer Baseline Load (CBL), expressed in kilowatt-hours, using one complete year of Customer-specific hourly load data that, in Company's opinion, represents Customer's electricity consumption pattern and is typical of Customer's operation for billing under the otherwise applicable tariffs and from which to measure changes in consumption for billing pursuant to this Schedule. For situations in which hourly load data are not available, a CBL will be constructed by Company using load shapes of Customers with similar usage patterns and from relevant information provided by Customer and verified by Company. The initial CBL shall consider verifiable changes in Customer's operation such as (1) installation of permanent energy efficiency measures; (2) permanent removal or addition of Customer's equipment; (3) one-time extraordinary events such as natural disasters; (4) annual plant shutdowns or other random variations in the load patterns; and (5) other on-going changes in demand. The CBL for new Customers will be calculated in the same manner as the CBL for existing Customers. Establishment of a CBL is a precondition for use of this Schedule.



## SUBSEQUENT CBL ADJUSTMENT

After the initial CBL is established, it shall only be subject to an adjustment at Customer's request by providing 30-days advance written notice. Any downward adjustment is subject to Company's concurrence and will be consistent with the principles of initial CBL establishment.

## CBL CALENDAR MAPPING

To provide Customer with the appropriate CBL for the RTP Service Year, the hourly consumptions established by the CBL shall be calendar-mapped to the corresponding day of the RTP Service Year. Calendar-mapping is a day-matching method to ensure that Mondays are matched to Mondays, holidays to holidays, etc.

The CBL shall be established by first identifying holidays and then grouping the remaining days (i.e., Mondays, Tuesdays, etc.) and averaging over the calendar month to result in hourly consumption for a typical week in each calendar month. The CBL result shall then be adjusted for each calendar month to reflect annual plant shutdowns, holidays, or other known work stoppages during the next RTP Service Year. Calendar-mapping is performed prior to each annual renewal of service under this Schedule after adjustments, if any, are made to the CBL.

## MONTHLY RATE

The monthly rate shall consist of the following charges:

### I. RTP Administrative Charge:

\$165.00

### II. RTP Base Charge:

RTP Base Charge = Monthly Bill for the CBL consumption and monthly billing demand of the current billing month pursuant to the conventional LGS Class tariffs under which Customer either previously received service or would have elected to receive service prior to electing this Schedule. When the conventional tariffs include Economic Development Rider ED or Large Load Curtable Rider LLC, the provisions of these Riders shall only apply to the CBL usage.

### III. RTP Hourly Energy Charge Adjustment:

RTP Hourly Energy Charge =  $\Sigma \{ \text{Hourly RTP Rate} \times (\text{Hourly Consumption} - \text{CBL Consumption}) \}$

where:  
 $\Sigma$  = The summation of the RTP charges and credits for each hour of the current billing month.

The Hourly RTP Rate shall be determined based upon the following formula:

Hourly RTP Rate =  $(\text{MENERGY} + \text{CAP} + \text{ADDER}) \times (1 + \text{TAXES})$

where:  
MENERGY = Marginal Energy Cost per kilowatt-hour including marginal fuel, variable operating and maintenance expenses, and delivery losses



CAP = Tiered Capacity Charge per kilowatt-hour applicable whenever the day-ahead forecast of the ratio of hourly available generation to hourly demand is equal or less than 1.15

ADDER =  $\beta \times$  (Class Rate-Hourly Marginal Cost), but not less than zero

where:

$\beta$  = a fixed value equal to 0.20

Class Rate = the prior calendar year average rate per kilowatt-hour under the conventional tariffs applicable to the LGS class, as updated annually effective with the February billing

Hourly Marginal Cost = the sum of the specific hour's kilowatt-hour price for MENERGY and CAP, all as defined above

TAXES = NC Regulatory Fee (currently ~~0.14~~0.13%)

#### IV. Facilities Demand Charge:

per kW of Facilities Demand for service provided from:

Transmission System (voltage of 69 kV or higher) without transformation	<del>\$1.63</del> <u>1.88</u> /kW
Transmission System (voltage of 69 kV or higher) with one transformation	<del>\$2.13</del> <u>2.42</u> /kW
Distribution System (voltage below 69 kV) without transformation	<del>\$2.62</del> <u>3.34</u> /kW
Distribution System (voltage below 69 kV) with one transformation	<del>\$3.05</del> <u>3.80</u> /kW

The kW of Facilities Demand shall be the greater of (1) the Contract Demand or (2) the maximum demand registered or recorded by Company's meter during a 15-minute interval in the current billing month, in excess of the maximum 15-minute billing demand included in the CBL applicable to the current billing month. The Contract Demand used to determine the Facilities Demand shall exclude any Standby Service kW, when applicable.

#### V. Rider Adjustments:

DSM/EE/JRRR Incremental Charge = (Actual Consumption – CBL Consumption) X  
Rider Adjustment

where:

Actual Consumption = kWh consumed during the billing month

CBL Consumption = kWh billed as the CBL during the billing month

Rider Adjustment = Sum of the DSM/EE and DSM/EE EMF rate adjustments during the current billing month

#### VI. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an

auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

#### PROVISION OF STANDBY SERVICE

If service is received under a standby or back-up service tariff prior to service under this Schedule, the use of standby service shall be excluded from initial determination of the CBL. The RTP Base Charge, as set forth in the Monthly Rate provision above, shall include billing of Supplementary Service but shall not include charges related to use of Standby Service. The Monthly Rate provisions of the applicable standby or back-up service tariff shall be calculated assuming no standby or back-up service was used with any actual use of Standby Service being billed pursuant to the RTP Hourly Energy Charge provisions of this Schedule. All other provisions of the applicable standby or back-up service tariff apply.

#### POWER FACTOR ADJUSTMENT

When the power factor in the current billing month is less than 85%, the monthly bill will be increased by a sum equal to \$0.32 multiplied by the difference between the maximum reactive kilovolt-amperes (kVAR) registered by a demand meter suitable for measuring the demand used during a 15-minute interval and 62% of the maximum kW demand registered in the current billing month.

#### CUSTOMER RATE NOTIFICATION

Company will notify Customer of the hourly prices via electronic mail, or other method of communications acceptable to Company, by 4 p.m. of the preceding business day. Prices for Saturday, Sunday, and Monday will generally be available on the preceding Friday. For a recognized holiday and the day following the holiday, prices will be available the preceding Company business day. Whenever prices are provided in excess of a day ahead and updated projections would result in significantly different prices, Company reserves the right to issue revised prices provided such prices are conveyed no later than 4 p.m. on the preceding calendar day.

Company is not responsible or liable for Customer's failure to receive and act upon the hourly prices. If Customer does not receive these prices, it is Customer's responsibility to inform Company so that future prices may be supplied.

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The Contract Period shall be monthly and will be automatically renewed unless terminated by either party by giving not less than thirty (30) days written notice of termination.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations and any changes therein, substitutions therefore, or additions thereto lawfully made.

Where Customer's other source of power is connected electrically or mechanically to equipment which may be operated concurrently with service supplied by Company, Customer shall install and maintain at his expense such devices as may be necessary to protect his equipment and service and to automatically disconnect his generating equipment, which is operated in parallel with Company, when service used by Customer is affected by electrical disturbances on Company's or Customer's systems. Should Company determine that Customer's facilities are not adequate to protect Company's facilities, Company may install the necessary facilities and Customer shall pay for the extra facilities in accordance with Company's Service Regulations.

Company makes no representation regarding the benefits of Customer subscribing to this Schedule. Customer, in its sole discretion, shall determine the feasibility and benefits of Customer subscribing to this Schedule.

Supersedes Schedule LGS-RTP-~~5356~~  
Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Sub ~~1142 and 1153~~ 1219

Duke Energy Progress, LLC  
(North Carolina Only)

G-12

CHURCH AND SCHOOL SERVICE  
SCHEDULE CSG-~~5660~~

AVAILABILITY

This Schedule is available for electric service used in a church plant contracting to pay for service for 12 months in each calendar year when Company does not own equipment, other than meters or metering equipment, on Customer's side of the point of delivery.

This Schedule is also available for electric service used in educational and recreational buildings operated as an educational institution of elementary or high school level provided that no part of the school is used for boarding facilities to accommodate students or faculty members.

This Schedule is not available for service to other types of schools, such as an industrial, vocational or training school; or for service to a building which is wholly or partially used for other purposes not specifically provided for by the provisions of this Schedule; or for breakdown, standby, or supplementary service.

This Schedule is not available for new applications after June 30, 1977. Customer will be billed on this Schedule until Customer requests another available schedule or until Company's review of the preceding 12 months' history indicates the total annual bill on another available schedule would have been equal to or less than billing under this Schedule.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one kilowatt-hour meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, single-phase 2 or 3 wires, or three-phase 3 or 4 wires, at Company's standard voltages. When Customer desires two or more types of service, which types can be supplied from a single-phase 3 wire type or a three-phase 4 wire type, without voltage transformation, only the one of these two types necessary for Customer's requirements will be supplied.

MONTHLY RATE

- I. For Single-Phase Service:
  - A. Customer Charge: \$28.50
  - B. Kilowatt-hour Energy Charge: ~~16.308~~17.774¢ per kWh
- II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

charge, if applicable, (3) the REPS Adjustment, (4) \$2.743.45 for each kW, and (5) 5.3435.502¢ per kWh. The kW of Demand shall be the greater of (a) the Contract Demand or (b) the maximum kW registered or computed, by or from Company's metering facilities, during any 15-minute interval within the current or preceding 11 billing months.

### III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

### PAYMENTS

Bills are due when rendered and are payable within ~~15-25~~ days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

### CONTRACT PERIOD

The Contract Period shall not be less than one year.

### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule CSG-~~5356~~

Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019

NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219



Duke Energy Progress, LLC  
(North Carolina Only)

CHURCH AND SCHOOL SERVICE  
SCHEDULE CSE-~~5660~~

AVAILABILITY

This Schedule is available when permanently installed electric space heating equipment is the only type of space heating equipment installed in either: (1) all parts of the church plant; (2) in the church sanctuary and pertinent rooms thereto; (3) in all parts of the church plant, except the parts contained in item (2); (4) in a newly constructed church educational building with not less than 50% of the floor area of the existing church plant, excluding the parts contained in item (2); or (5) any separately metered church building comprising a part of the church plant.

This Schedule is also available for electric service used in educational and recreational buildings operated as an educational institution of elementary or high school level when permanently installed electric space heating equipment is the only type of equipment installed for space heating purposes and all installed cooking and water heating equipment is electrical, provided that no part of the school is used for boarding facilities to accommodate students or faculty members.

This Schedule is not available for service to other types of schools, such as an industrial, vocational or training school; or for service to a building which is wholly or partially used for other purposes not specifically provided for by the provisions of this Schedule; or for breakdown, standby, or supplementary service.

This Schedule is not available for new applications after June 30, 1977. Customer will be billed on this Schedule until Customer requests another available schedule or until Company's review of the preceding 12 months' history indicates the total annual bill on another available schedule would have been equal to or less than billing under this Schedule.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one kilowatt-hour meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, single-phase 3 wires, or three-phase 3 or 4 wires, at Company's standard voltages. When Customer desires two types of service, which types can be supplied from a three-phase 4 wire type, without voltage transformation, only the three-phase 4 wire type will be supplied.

MONTHLY RATE

I. For Single-Phase Service:

A. Customer Charge: \$28.50

B. Kilowatt-hour Energy Charge: ~~13.260~~14.452¢ per kWh

II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00

The minimum charge shall be the sum of (1) the Customer Charge, (2) the Three-Phase Charge, if applicable, (3) the REPS Adjustment, (4) \$~~2.743~~<sup>4.5</sup> for each kW, and (5) ~~5.3135~~<sup>5.02</sup>¢ per kWh. The kW of Demand shall be the greater of (a) the contract demand or (b) the maximum kW registered or computed, by or from Company's metering facilities, during any 15-minute interval within the current or preceding 11 billing months.

### III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$.96/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

### PAYMENTS

Bills are due when rendered and are payable within ~~15~~<sup>25</sup> days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

### CONTRACT PERIOD

The Contract Period shall not be less than one year.

### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule CSE-~~5356~~  
Effective for service rendered on and after September 1, 2019~~November 1, 2019~~  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~<sup>1219</sup>

SMALL GENERAL SERVICE (CONSTANT LOAD)  
SCHEDULE SGS-TOU-CLR-~~5660~~

AVAILABILITY

This Schedule is available at Company's sole discretion for electric service used by a nonresidential customer with equipment that supports an expectation of constant operation at a single point of delivery, at one of the Company's standard voltages. Customer may be required to furnish Company engineering specifications, meter history results, or other evidence to support an expectation of a constant load. This Schedule is not available other applications. Customer shall notify Company in writing if Customer's equipment or mode of operation change to no longer support an expectation of constant operation.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one kilowatt-hour meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, either single-phase 2 or 3 wires, or three-phase 4 wires, at Company's standard voltages of 240 volts or less.

MONTHLY RATE

- I. For Single-Phase Service:  
\$21.00 Basic Facilities Charge  
~~8.107~~10.148¢ per kWh
- II. For Three-Phase Service:  
The bill computed for single-phase service plus \$7.00.
- III. Renewable Energy Portfolio Standard (REPS) Adjustment:  
The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, the Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

CONTRACT PERIOD

The Contract Period shall not be less than one year.

GENERAL

Service under this Schedule is subject to the Company's Service Regulations, and any changes therein, substitutions therefore, or additions thereto lawfully made.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SGS-TOU-CLR-~~5356~~

Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219

Oct 30 2019

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TRAFFIC SIGNAL SERVICE  
 SCHEDULE TSS-~~5660~~

AVAILABILITY

This Schedule is available for electric service supplied for the operation and illumination of traffic signals installed along public and private highways where Company has an existing secondary distribution line.

INSTALLATION

The Company, for each signal or group of signals operating from one controller, will make its connection to Customer's service wire at a point one foot below the lowest support, carrying existing 120/240 volt conductors, or the equivalent, on the nearest pole. Customer will furnish, install, and maintain all service wires, fixtures, and other necessary equipment, including lamps and lamp renewals, for the installation and operation of all traffic signals.

TYPE OF SERVICE

Alternating current, 60 hertz, single-phase, 2 wires, 120 volts nominal.

DEFINITIONS

A One-way Signal is a signal with only one face which can be seen from only one approach.

A Multi-Direction Signal is a signal with more than one face each of which can be seen from only one approach.

MONTHLY RATE

I. MONTHLY RATE PER SIGNAL

TYPE OF SIGNAL	With Lamps of 70 Watts or Less(1) Operating for a Maximum Day of		With Lamps of 150 Watts or Less Operating for a Maximum Day of	
	16 Hours/kWh	24 Hours/kWh	16 Hours/kWh	24 Hours/kWh
Blinker Signal with One Lamp.....	<del>\$ 2,022.28</del> / 19	<del>\$2,763.11</del> / 28	<del>\$3,654.12</del> / 33	<del>\$5,135.79</del> / 49
One-way Signal with One Lamp.....	<del>2,793.15</del> / 35	<del>3,834.32</del> / 51	<del>5,546.25</del> / 62	<del>8,019.04</del> /
92 Two Lamps.....	<del>3,353.78</del> / 35	<del>4,485.06</del> / 51	<del>6,797.66</del> / 62	<del>9,3610.56</del> / 92
Three Lamps.....	<del>3,513.96</del> / 35	<del>4,795.41</del> / 51	<del>6,917.80</del> / 62	<del>9,6110.84</del> / 92
Four/Six Lamps.....	<del>4,465.03</del> / 50	<del>6,267.06</del> / 75	<del>9,5410.77</del> / 91	<del>13,2814.99</del> /
135 Five Lamps (2).....	<del>3,513.96</del> / 35	<del>4,795.41</del> / 51	<del>6,917.80</del> / 62	<del>9,6110.84</del> / 92

(1) When a customer elects to install a lamp of 120 watts or less, in lieu of 70 watts or less, in the red cycle of a One-way Signal with two or more lamps, then the rates for all One-way Signals with two, three, or four lamps will be increased by ~~\$1,031.16~~ and ~~\$1,331.50~~, respectively, for 16 hours and 24 hours of operation.

(2) Used as indicating signals for a turning lane of traffic.

II. Multi-Direction Signal

The rate for a Multi-Direction Signal is the sum of the applicable One-way Signal rate for each face of the Multi-Direction Signal.



The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

- IV. Minimum: The amount computed under the above rates but not less than \$21.00 plus the REPS Adjustment.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15~~25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The Contract Period shall not be less than one year.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule TSS-~~53~~56  
Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

TRAFFIC SIGNAL SERVICE (METERED)  
SCHEDULE TFS-~~5660~~

AVAILABILITY

This Schedule is available for electric service supplied solely for the operation and illumination of traffic signals installed along public and private highways.

INSTALLATION

The Company, for each signal or group of signals operating from one controller, will make its connection to Customer's service wire at a point where Company's conductors may be conveniently extended and terminated. Customer will furnish, install, and maintain all service wires, fixtures, and other necessary equipment, including lamps and lamp renewals, for the installation and operation of all traffic signals.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one kilowatt-hour meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, either single-phase 2 or 3 wires, or three-phase 4 wires, at Company's standard voltages of 240 volts or less.

MONTHLY RATE

- I. For Single-Phase Service:
  - A. For the cost to bill and provide facilities necessary to support consumption of electricity:  
\$21.00 Customer Charge
  - B. For the cost of electricity consumed:  
Kilowatt-Hour Energy Charge: ~~6.2849~~.179¢ per kWh
- II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.
- III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

PAYMENTS

Bills are due when rendered and are payable within ~~45~~25 days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

CONTRACT PERIOD

The Contract Period shall not be less than one year.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders' EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule TFS-~~53~~56

Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

Oct 30 2019

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Duke Energy Progress, LLC  
(North Carolina Only)

L-3

AREA LIGHTING SERVICE  
SCHEDULE ALS-~~5660~~

AVAILABILITY

This Schedule is available for service supplied in the lighting of outdoor areas, private streets, and private driveways by means of mercury vapor, metal halide, sodium vapor lighting, and light emitting diode units. Lighting units will be bracket-mounted on Company-owned poles, and the mercury vapor lamps will be color-corrected.

This Schedule is not available for the lighting of dedicated streets or highways.

SERVICE

Prior to installing area lighting facilities, Customer and Company must enter into an agreement for Area Lighting Service. The service supplied by Company will include the installation and operation, according to Company standards and requirements, of the area lighting units and will include the furnishing of electricity required for the illumination of the lamps from dusk to dawn. After Customer has notified Company that a lamp is not burning, Company will perform as soon as practicable, during regular working hours, the necessary maintenance to restore illumination. The lumen rating of the lighting units listed under the MONTHLY RATE indicates the class of lamp.

MONTHLY RATE

I. Overhead Service

Basic Rate: The basic rate per fixture defined below will be billed for installations of standard area lighting fixtures installed on Company's system distribution poles. The basic rate does not include the monthly charges for extra facilities, area lighting poles, underground service, Masterpiece Series Standard Facilities, or any contribution required under this Schedule.

<u>Light Emitting Diode Units</u>	Monthly Charge		Monthly kWh
	<u>Per Fixture</u>	<u>Per Fixture</u>	
LED 50	<del>\$7.40</del> 8.04		18
LED 50 floodlight	<del>10.73</del> 11.66		18
LED 75	<del>7.66</del> 8.32		25
LED 105	<del>9.42</del> 10.24		35
LED 130 floodlight	<del>21.66</del> 23.54		44
LED 150	<del>12.17</del> 13.22		54
LED 215	<del>14.96</del> 16.26		73
<del>LED 220 Shoebox</del>	<del>18.90</del> 20.54		<del>74</del>
LED 260 floodlight	<del>39.49</del> 42.88		88
LED 280	<del>17.09</del> 18.57		101
LED 420	<del>39.77</del> 43.21		142
LED 530	<del>48.39</del> 52.58		179

<u>Sodium Vapor Units</u>			
<del>9,500 lumen</del>	<del>\$10.57</del>		<del>46</del>
<del>16,000 lumen</del>	<del>12.40</del>		<del>59</del>
<del>28,500 lumen</del>	<del>15.50</del>		<del>109</del>
<del>50,000 lumen</del>	<del>21.49</del>		<del>152</del>
<del>50,000 lumen floodlight</del>	<del>24.10</del>		<del>168</del>

Monthly Charge      Monthly kWh  
Per Fixture      Per Fixture

Lighting Fixtures - No Longer Available to New Applicants

5,800 lumen (Sodium Vapor) <sup>1</sup>	\$ <del>6.64</del> 7.21	29
9,000 lumen (Metal Halide) <sup>2</sup>	<del>12.35</del> 13.42	41
<del>9,500 lumen</del> <sup>3</sup>	<del>\$10.57</del> 11.49	<del>46</del>
7,000 lumen semi-enclosed (Mercury Vapor) <sup>1</sup>	8.459.18	69
7,000 lumen (Mercury Vapor) <sup>1</sup>	9.6910.53	69

Monthly Charge      Monthly kWh  
Per Fixture      Per Fixture

12,000 lumen (Retrofit Sodium Vapor) <sup>1</sup>	<del>11.99</del> 13.03	59
<del>16,000 lumen</del> <sup>3</sup>	<del>12.40</del> 13.47	<del>59</del>
20,000 lumen (Metal Halide) <sup>2</sup>	<del>18.21</del> 19.79	94
21,000 lumen (Mercury Vapor) <sup>1</sup>		<del>145.69</del> 17.05
21,000 lumen flood (Mercury Vapor) <sup>1</sup>	19.0220.67	160
22,000 lumen (Sodium Vapor) <sup>2</sup>	13.4914.66	86
<del>28,500 lumen</del> <sup>3</sup>	<del>15.50</del> 16.84	<del>109</del>
33,000 lumen (Metal Halide) <sup>2</sup>	23.7425.80	133
38,000 lumen (Retrofit Sodium Vapor) <sup>1</sup>	17.8919.44	135
40,000 lumen (Metal Halide) <sup>2</sup>	25.0627.23	160
<del>50,000 lumen</del> <sup>3</sup>	<del>21.49</del> 23.35	<del>152</del>
<del>50,000 lumen floodlight</del> <sup>2</sup>	<del>24.10</del> 26.19	<del>168</del>
60,000 lumen (Mercury Vapor) <sup>1</sup>	32.1034.88	382
60,000 lumen floodlight (Mercury Vapor) <sup>1</sup>	34.6237.62	382
110,000 lumen (Metal Halide) <sup>2</sup>	47.9252.07	370

<sup>1</sup> Not available for new installations. For all fixtures ~~other than Masterpiece, non-standard, and custom design~~, upon failure of the lamp, photocell, fixture or ballast or by no later than December 31, 2023 ~~earlier~~ pursuant to Commission Rule R8-47, the fixture shall be replaced at no charge with a similar style fixture as shown in the table below and the monthly rate for the new fixture will apply. Mercury vapor fixtures shall also be replaced, prior to failure, upon Customer's request.

<sup>2</sup> Not available for new installations. For all fixtures other than Masterpiece, non-standard, and custom design, upon failure of the fixture or ballast, the fixture shall be replaced at no charge with a similar style fixture as shown in the table below and the monthly rate for the new fixture will apply. Fixtures shall also be replaced, prior to failure, upon Customer's request.

Restricted Lumen Classification	Default Replacement Classification*
5,800 lumen HPS, <del>7,000 lumen MV, 9,000 lumen MH, 9,500 lumen HPS, and 12,000 lumen RSV</del>	LED 50
<del>7,000 lumen MV</del> 16,000 lumen HPS	<del>LED 50</del> LED 105
<del>9,000 lumen MH</del>	<del>LED 50</del>
<del>12,000 lumen RSV</del>	<del>LED 50</del>
20,000 lumen MH, <del>21,000 lumen MV and 22,000 lumen HPS</del>	LED 150
<del>21,000 lumen MV</del>	<del>LED 150</del>
<del>22,000 lumen HPS</del>	<del>LED 150</del>
33,000 lumen MH and 40,000 lumen	LED 205220
<del>28,500 lumen HPS and 38,000 lumen RSV</del>	LED 215
<del>40,000 lumen MH</del>	<del>LED 205</del>
<del>50,000 lumen HPS and 60,000 lumen MV</del>	LED 280
<del>50,000 lumen HPS floodlight</del>	<del>LED 130 floodlight</del>



110,000 lumen MH	LED 530
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\* - Actual default replacement may vary based upon fixture style. Whenever a comparable LED fixture is available, an LED fixture shall be installed; otherwise, the default fixture will be a comparable sodium vapor source.

<sup>3</sup> Not available for new installations, except to existing customers for additional units of the same type on the same or contiguous property. For all fixtures other than Masterpiece, non-standard, and custom design, upon failure of the fixture or ballast, the fixture shall be replaced at no charge with a similar style LED fixture as shown in the table above and the monthly rate for the new fixture will apply.

## II. Overhead Service to Light Emitting Diode (LED) Lighting

The rate per fixture defined below will be billed for installations of DEP-approved lighting fixtures installed on Company's system distribution poles. Upon notification by Customer that 35% or greater of the light emitting diodes contained within the fixture are not burning, Company will perform as soon as practicable, during regular working hours, the necessary maintenance to restore illumination. The rate does not include the monthly charges for extra facilities, special lighting poles or posts, underground service, or any contribution required under this Schedule.

### LED Rate (Standard Offer):

Fixture	LED Wattage*	Monthly Charge Per Fixture**	Monthly kWh Per Fixture
LED 75 <sup>1</sup>	<u>75</u>	<del>\$5.89</del> <u>6.40</u> <sup>+</sup>	25
LED 105 <sup>1</sup>	<u>105</u>	<del>8.44</del> <u>9.17</u> <sup>+</sup>	35
LED 215 <sup>1</sup>	<u>215</u>	<del>12.39</del> <u>13.46</u> <sup>+</sup>	73
LED 205 Site Lighter <sup>1</sup>	<u>205</u>	<del>12.45</del> <u>13.53</u>	69

\* Approximate wattage of fixture class

\*\* In addition to the Rate, Customer shall pay a monthly charge of 1.0% times the cost difference between the estimated installed cost of a DEP-approved fixture and the LED fixture cost allowance for the stated lumen category in accordance with the EXTRA FACILITIES paragraph below. The monthly charge shall not be less than zero.

<sup>1</sup> The LED 75, LED 105, and LED 215 are not available to new installations under the Standard Option effective September 15, 2014. The LED 205 Site Lighter is not available to new installations under the Standard Option effective November 29, 2019.

## III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Residential Classification -	\$1.42/month
Commercial/Governmental Classification -	\$7.96/month
Industrial/Public Authority Classification -	\$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

## IV. Underground Service

For underground service, the monthly bill will be increased by ~~\$3.21~~3.49 per pole or, in lieu thereof, a one-time contribution of ~~\$245.80~~.00 per pole. The monthly pole charge, if selected, may be terminated at any time upon payment by Customer of the one-time contribution. The monthly pole charge defined below will also be applicable to underground service.

## V. Special Area Lighting Poles and Posts

A special area lighting pole or post is any Company-owned pole or post, except those installed under Extra Facilities Item IV. below, installed as a part of an area lighting system and on which no other Company overhead distribution facilities are installed except those necessary to provide service to an area lighting system or a pole or post installed as a part of a Company-owned underground area lighting system.

	Monthly Charge Per Pole or Post
Wood	<del>\$2,052.40</del>
Metal*, Fiberglass, or Post	<del>4,875.71</del>
12-Foot Smooth Concrete Post**	<del>9,491.13</del>
16-Foot Smooth Concrete Post**	<del>10,4412.25</del>
Decorative Square Metal	<del>10,4412.25</del>
13-Foot Fluted Concrete Post**	<del>14,2516.72</del>
Decorative Aluminum 12-Foot Post	<del>17,0920.05</del>
Decorative 35- or 39-Foot Tapered Metal Pole	<del>27,1431.84</del>

\* Metal will be installed in locations where fiberglass cannot be used as determined by Company.

\*\* Concrete posts will not be available for new installations on and after August 1, 2007. Concrete posts or similar material posts, as determined by Company, will be offered in accordance with the Extra Facilities paragraph.

#### V. Masterpiece Series Standard Facilities

Masterpiece Series Standard Facilities are deluxe decorative fixtures, posts, and brackets that are normally maintained in inventory by Company to meet the lighting needs of customers. The initial Contract Period for All Masterpiece Series facilities is 10 years. The MONTHLY RATE for Masterpiece Series Standard Facilities is as follows:

Masterpiece Series Fixtures: In addition to the MONTHLY RATE, Item I, for a 9,000 or 9,500 lumen fixture, Customer pays:

Masterpiece Series A Fixture	\$ 3.00
Masterpiece Series B Fixture	\$ 4.15

#### Masterpiece Series Decorative Posts:

Masterpiece Series A 12-Foot decorative metal post	<del>\$17,0920.05</del>
Masterpiece Series A 16-Foot decorative metal post	<del>\$20,8924.51</del>

#### Masterpiece Series Bracket:

Masterpiece Series A Twin Mounting Bracket	\$ 5.00
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### EXTRA FACILITIES

~~In addition to the MONTHLY RATE, Customer shall pay a monthly facilities charge when facilities are requested that exceed facilities normally supplied by Company to render lighting service. Customer shall pay a Monthly Facilities Charge of 1.0 percent of the estimated installed cost of the Special Facilities. Special Facilities that are considered to be above normal include, but are not limited to, the following:~~

- ~~I. Upon Company review and approval, multiple lighting fixtures may be installed per pole. Special facilities shall be considered as the estimated installed cost of the facilities necessary to serve the multiple fixture installation in excess of that normally required to provide standard area lighting service.~~
- ~~II. Special facilities shall include any distribution transformer and/or primary conductor extension.~~
- ~~III. For a work request installing an underground circuit, special facilities shall include any conductor length in excess of an average of 250 feet per span. Customer may elect to make a nonrefundable contribution of the estimated installed cost of an underground circuit deemed to be Special~~

~~facilities without being required to pay a monthly facilities charge.~~

IV. ~~Special Facilities shall include special nonstandard poles and posts not listed above in MONTHLY RATE.~~

V. ~~For nonstandard fixtures not included in the MONTHLY RATE provision above, the monthly charge will be the charge in accordance with the MONTHLY RATE and the Special Facilities shall be the difference between the estimated installed cost of the nonstandard fixture and the estimated installed cost of the equivalent standard fixture.~~

VI. ~~The cost of a bracket or mast arm in excess of the standard facilities for a given fixture type shall be considered as Special Facilities.~~

#### NONREFUNDABLE CONTRIBUTION

~~I. In the event that rock, unstable soil, or other conditions require the use of materials and methods of installation other than Company's normal materials and methods, Customer will contribute the additional cost except when the Service Extension Provision as stated below is applicable.~~

~~II. Customer will contribute the estimated cost of installing cables under paved or landscaped surface areas; however, Customer may cut and replace the pavement or surface in lieu of making the contribution.~~

~~III. Service supplied under the MONTHLY RATE in this Schedule does not include the conversion of existing overhead secondary conductors to underground. Should Customer desire such a conversion under this Schedule, Customer will contribute to Company, in addition to the applicable contributions above, the estimated net loss in salvage value of the overhead facilities being removed. The Customer will thereafter pay the applicable rate for underground service.~~

#### SERVICE EXTENSIONS

~~The installation of lighting fixtures or poles shall be in a location that is readily accessible by a Company truck to support installation and maintenance of Company facilities.~~

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~45-25~~ days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The initial Contract Period for lighting units shall be one of the following:

~~(a) One Three (3) years when the lighting unit will be mounted on Company's existing distribution pole, (excluding temporary service poles), no more than one additional span of overhead secondary conductor is required, and no extra facilities are required;~~

~~(b)(a) Three years for overhead service other than those which comply with the one year term provisions; and (dc) or (ed) does not apply; or~~

~~(e)(b) Five years for underground service (includes all LED site lighter and shoe box fixtures); or~~

~~(4)(c) Ten years for service to all Masterpiece Series facilities, the LED site lighter and shoe-~~  
ALS-5660



~~box fixtures~~, LED facilities (only if installed under the Rate plus a monthly charge option); ~~excluding the LED site lighter and shoe box fixtures~~), and for service utilizing fixtures, poles, and posts determined by Company as Special Order nonstandard; or

~~(e)~~(d) Twenty years for service utilizing fixtures, poles, and posts determined by Company as Custom Design nonstandard.

~~(f)~~(e) For temporary lighting facilities, the Customer shall pay the total estimated installed cost plus removal cost minus salvage value of the facilities installed to provide such service in lieu of a Contract Period.

~~The Contract Period shall extend from year to year thereafter until terminated by Customer or Company. Customer may terminate the Agreement before the expiration of the initial Contract Period by paying to Company a sum of money equal to 40% of the bills which otherwise would have been rendered for the unexpired months of the initial Contract Period.~~

Company may require Customer to initially make a termination deposit which will not exceed the termination amount computed in accordance with the ~~above paragraph~~Outdoor Lighting Service Regulations. Such termination deposit will be refunded in equal amounts at the end of each full year service is rendered. This annual refund will be the termination deposit divided by the number of years in the Contract Period.

## GENERAL

Service rendered under this Schedule is subject to the provisions of Company's Outdoor Lighting Service Regulations filed with the state regulatory commission.

## ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule ALS-5356

Effective for service rendered on and after September 1, 2019~~November 29, 2019~~  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

STREET LIGHTING SERVICE  
SCHEDULE SLS-5660

AVAILABILITY

This Schedule is available for service supplied in the lighting of dedicated public streets, highways, municipally owned and operated public parking lots, and municipally owned and operated public parks by lighting fixtures mounted on Company-owned poles or government-owned traffic signal poles. This Schedule is also available for continuous service to other installations which were being served on April 1, 1973, under superseded Schedules SL-1G and SL-2C.

SERVICE

The service supplied by Company will include the installation of a street lighting system, according to Company's standards and requirements, which will be owned, maintained, and operated by Company, including the furnishing of the electricity required for the illumination of the lamps from dusk to dawn. The lumen ratings of lighting units listed under the MONTHLY RATE indicate the general class of lamp.

MONTHLY RATE

I. Overhead Service

Basic Rate: The basic rate per fixture defined below will be billed for installations of standard street lighting fixtures. The basic rate does not include the monthly charges for additional facilities, street lighting poles, underground service, Masterpiece Series Standard Facilities, or any contribution required under this Schedule and under the Outdoor Lighting Service Regulations.

<u>Light Emitting Diode Units</u>	<u>LED Wattage*</u>	Monthly Charge Per Fixture	Monthly kWh Per Fixture
LED 50	50	\$7.408.04	-18
LED 75	75	7.668.32	25
LED 105	105	9.4210.24	35
LED 150	150	12.1713.22	54
LED 215	215	14.9616.26	73
LED 220 Shoebox	220	20.54	74
LED 280	280	17.0918.57	101
LED 420	420	39.7743.21	142
LED 530	530	48.3952.58	179
* Approximate wattage of fixture class.			

Sodium Vapor Fixtures

9,500 lumen	\$10.57	4616,000 lumen
28,500 lumen	15.50	109
50,000 lumen	21.49	152

Lighting Fixtures - No Longer Available to New Applicants

5,800 lumen (sodium vapor) <sup>1</sup>	\$6.647.21	29
7,000 lumen semi-enclosed (mercury vapor) <sup>1</sup>	8.459.18	69
7,000 lumen (mercury vapor) <sup>1</sup>	9.6910.53	69
9,000 lumen (metal halide) <sup>2</sup>	12.3513.42	41
9,500 lumen <sup>3</sup>	10.5711.49	46
12,000 lumen (Retrofit Sodium Vapor) <sup>1</sup>	11.9913.03	59
16,000 lumen <sup>3</sup>	12.4013.47	59
20,000 lumen (metal halide) <sup>2</sup>	18.2119.79	94
21,000 lumen (mercury vapor) <sup>1</sup>	15.6917.05	149
22,000 lumen (Sodium Vapor) <sup>2</sup>	13.4914.66	86
28,500 lumen <sup>3</sup>	15.5016.84	109
33,000 lumen (metal halide) <sup>2</sup>	23.7425.80	133



40,000 lumen (metal halide) <sup>2</sup>	<u>25.0627.23</u>	160
60,000 lumen (mercury vapor) <sup>1</sup>	<u>32.1034.88</u>	382
110,000 lumen (metal halide) <sup>2</sup>	<u>47.9252.07</u>	370

<sup>1</sup> Not available for new installations. For all fixtures ~~other than Masterpiece, non-standard or custom-design~~, upon failure of the lamp, photocell, fixture or ballast, or by no later than December 31, 2023<sup>earlier</sup> pursuant to Commission Rule R8-47, the fixture shall be replaced at no charge with a similar style fixture as shown in the table below and the monthly rate for the new fixture will apply. Mercury vapor fixtures shall also be replaced, prior to failure, upon Customer's request.

<sup>2</sup> Not available for new installations. For all fixtures other than Masterpiece, non-standard, and custom design, upon failure of the fixture or ballast, the fixture shall be replaced at no charge with a similar style fixture as shown in the table below and the monthly rate for the new fixture will apply. Fixtures shall also be replaced, prior to failure, upon Customer's request.

Restricted Lumen Classification	Default Replacement Classification*
5,800 lumen HPS, 7,000 lumen MV, 9,000 lumen MH, 9,500 lumen HPS, and 12,000 lumen RSV	LED 50
<del>7,000 lumen MV</del>	<del>LED 50</del>
<del>9,000 lumen MH</del>	<del>LED 50</del>
<del>12,000 lumen RSV</del> 16,000 lumen HPS	LED 50 <del>105</del>
20,000 lumen MH, 21,000 lumen MV and 22,000 lumen HPS	LED 150
<del>21,000 lumen MV</del>	<del>LED 150</del>
<del>22,000 lumen HPS</del>	<del>LED 150</del>
33,000 lumen MH and 40,000 lumen MH	LED <del>205</del> 220
<del>28,500 lumen HPS</del> and 38,000 lumen RSV	LED 215
<del>50,000 lumen HPS</del> and 60,000 lumen MV	LED 280
110,000 lumen MH	LED 530

\* Whenever a comparable LED fixture is available, an LED fixture shall be installed; otherwise, the default fixture will be a comparable high pressure sodium source. Actual default replacement may vary based upon fixture style.

<sup>2</sup> Not available for new installations, except to existing customers for additional units of the same type on the same or contiguous property. For all fixtures other than Masterpiece, non-standard, and custom design, upon failure of the fixture or ballast, the fixture shall be replaced at no charge with a similar style LED fixture as shown in the table above and the monthly rate for the new fixture will apply.

## II. Overhead Service to Light Emitting Diode (LED) Lighting

The rate per fixture defined below will be billed for installations of DEP-approved lighting fixtures installed on Company's system distribution poles. Upon notification by Customer that 35% or greater of the light emitting diodes contained within the fixture are not burning, Company will perform as soon as practicable, during regular working hours, the necessary maintenance to restore illumination. The rate does not include the monthly charges for extra facilities, special lighting poles or posts, underground service, or any contribution required under this Schedule.

### A. LED Rate (Standard Option):

	<u>LED</u> <u>Wattage*</u>	<u>Monthly Charge Per</u> <u>Fixture**</u>	<u>Monthly kWh Per</u> <u>Fixture</u>
Fixture			
LED 75 <sup>1</sup>	75	\$5.896.40 <sup>†</sup>	25
LED 105 <sup>1</sup>	105	8.449.17 <sup>†</sup>	35
LED 215 <sup>1</sup>	215	12.3913.46 <sup>†</sup>	73
LED 205 Site Lighter <sup>1</sup>	205	12.4513.53	69

**\*\*** In addition to the Rate, Customer shall pay a monthly charge of 1.0% times the cost difference between the estimated installed cost of a DEP-approved fixture and the LED fixture cost allowance for the stated lumen category in accordance with the EXTRA FACILITIES paragraph below. The monthly charge shall not be less than zero.

- 1 The LED 75, LED 105, and LED 215 are not available to new installations under the Standard Option effective September 15, 2014. The LED 205 Site Lighter is not available to new installations under the Standard Option effective November 29, 2019.

B. LED Rate (Customer-Ownership Option): The Customer-Ownership Option is not available for new installations effective September 15, 2014. Customer with existing installations installed prior to this date shall provide a DEP-approved LED fixture at no cost to Company for installation on Company's system distribution poles. Customer retains full ownership of the fixture and after removal from service will be picked up by the Customer.

The rate defined below will be billed for installation, operation and maintenance of Customer-owned lighting fixture. Customer shall provide a replacement fixture, if required, to maintain the lighting service.

	<u>LED Wattage*</u>	<u>Monthly Charge Per Fixture</u>	<u>Monthly kWh Per Fixture</u>
Fixture			
LED 75	<u>75</u>	<u>\$5-135.57</u>	25
LED 105	<u>105</u>	<u>5-556.03</u>	35
LED 215	<u>215</u>	<u>7-027.63</u>	73
LED 205 Site Lighter	<u>205</u>	<u>6-887.48</u>	69

\* Approximate wattage of fixture class.

### III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include an REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month  
Industrial/Public Authority Classification - \$73.17/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).

### IV. Underground Service

For underground service, the monthly bill will be increased by \$3-213.49 per pole, or in lieu thereof, a one-time contribution of \$524580.00 per pole. The monthly charge, if selected, may be terminated at any time upon payment by Customer of the one-time contribution. The monthly pole charge defined below will also be applicable to underground service.

### V. Special Street Lighting Poles and Posts

	<u>Monthly Charge Per Pole or Post</u>
Wood	<u>\$ 1-551.91</u>
Metal*, Fiberglass, or Post	<u>2-743.35</u>
12-Foot Smooth Concrete Post**	<u>9-4911.13</u>
Decorative Square Metal	<u>10-4412.25</u>
16-Foot Smooth Concrete Post**	<u>10-4412.25</u>
13-Foot Fluted Concrete Post**	<u>14-2516.72</u>
Decorative Aluminum 12-Foot Post	<u>17-0920.05</u>
Decorative 35- or 39-Foot Tapered Metal Pole	<u>27-1431.84</u>
System Metal	<u>0-931.15</u>

\*\* Concrete posts will not be available for new installations on and after August 1, 2007. Concrete posts or similar material posts, as determined by Company, will be offered in accordance with the Extra Facilities paragraph.

VI. Masterpiece Series Standard Facilities

Masterpiece Series Standard Facilities are deluxe decorative fixtures, posts, and brackets that are normally maintained in inventory by Company to meet the lighting needs of customers. The MONTHLY RATE for Masterpiece Series Standard Facilities is as follows:

Masterpiece Series Fixtures: In addition to the MONTHLY RATE Item I, for a 9,000 or 9,500 lumen fixture, Customer pays:	
Masterpiece Series A Fixture	\$ 3.00
Masterpiece Series B Fixture	\$ 4.15

Masterpiece Series Decorative Posts:

Masterpiece Series A 12-Foot decorative metal post	\$17.0920.05
Masterpiece Series A 16-Foot decorative metal post	\$20.8924.51

<u>Masterpiece Series Bracket:</u>	
Masterpiece Series A Twin Mounting Bracket	\$5.00

EXTRA FACILITIES

In addition to the MONTHLY RATE, Customer shall pay a monthly facilities charge when facilities are requested that exceed facilities normally supplied by Company to render lighting service. Customer shall pay a Monthly Facilities Charge of 1.0 percent of the estimated original installed cost of the Special Facilities. Special Facilities that are considered to be above normal include, but are not limited to, the following:

- I. Upon Company review and approval, multiple lighting fixtures may be installed per pole. Special facilities shall be considered as the estimated installed cost of the facilities necessary to serve the multiple fixture installation in excess of that normally required to provide standard area lighting service.
- II. Special facilities shall include any distribution transformer and/or primary conductor extension.
- III. For a work request installing an underground circuit, special facilities shall include any conductor length in excess of an average of 250 feet per span. Customer may elect to make a nonrefundable contribution of the estimated installed cost of an underground circuit deemed to be Special facilities without being required to pay a monthly facilities charge.
- IV. Special Facilities shall include special nonstandard poles and posts not listed above in MONTHLY RATE.
- V. For nonstandard fixtures not included in the MONTHLY RATE provision above, the monthly charge will be the charge in accordance with the MONTHLY RATE and the Special Facilities shall be the difference between the estimated installed cost of the nonstandard fixture and the estimated installed cost of the equivalent standard fixture.
- VI. The cost of a bracket or mast arm in excess of the standard facilities for a given fixture type shall be considered as Special Facilities.

NONREFUNDABLE CONTRIBUTION

- I. In the event that rock, unstable soil, or other conditions require the use of materials and methods of installation other than Company's normal materials and methods, Customer



~~II. Customer will contribute the estimated cost of installing cables under paved or landscaped surface areas; however, Customer may cut and replace the pavement or surface in lieu of making the contribution.~~

~~III. Service supplied under the MONTHLY RATE in this Schedule does not include the conversion of existing overhead street lighting circuits to underground. Should Customer desire such a conversion under this Schedule, Customer will pay to Company, in addition to the applicable contribution and charges herein, the estimated net investment depreciated, plus removal cost, less salvage value of the overhead conductor being removed.~~

#### SERVICE EXTENSION

~~The installation of lighting fixtures or poles shall be in a location that is readily accessible by a Company truck to support installation and maintenance of Company facilities.~~

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15~~ <sup>25</sup> days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The Contract Period shall not be less than the following:

- (a) Ten years for standard and Masterpiece Series standard fixtures, poles, and posts, and
- (b) Twenty years for service utilizing fixtures, poles, and posts determined by Company as nonstandard or custom-designed.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of Company's Outdoor Lighting Service Regulations filed with the state regulatory commission.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders ~~EDIT-1 and EDIT-2~~, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SLS-~~5356~~  
Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219

Duke Energy Progress, LLC  
(North Carolina Only)

STREET LIGHTING SERVICE SCHEDULE SLR-~~5660~~  
(RESIDENTIAL SUBDIVISIONS AND NEIGHBORHOODS)

AVAILABILITY

This Schedule is available for service supplied in the lighting of residential dedicated public streets by means of mercury vapor, light emitting diode or sodium vapor lighting units installed within residential subdivisions or neighborhoods, consisting of single or duplex dwelling units, located (1) outside the corporate limits of a municipality at the time of the installation or (2) inside the corporate limits of a municipality when the area served was subsequently annexed by the municipality after lighting service was first established. This Schedule is also available inside a municipality jointly served by a municipal-owned electric utility when the municipality approves a regulation or ordinance requiring its residents to individually pay for lighting service. The street lighting must conform to the installations set forth in the Monthly Rate paragraph.

This Schedule is not available to supply service for the lighting of parking lots, shopping centers, other public or commercial areas within the residential subdivision or neighborhood, or areas not specifically provided for by the provisions herein.

SERVICE

The service supplied by Company will include the installation of a street lighting system, according to Company's standards and requirements, which will be owned, maintained, and operated by Company, including the furnishing of the electricity required for the illumination of the lamps from dusk to dawn. Lighting units will be located by Company to provide the most uniform lighting possible in the residential area. The lumen ratings of the lighting units furnished under the Monthly Rate indicate the class of lamp.

MONTHLY RATE

The following amount will be added to each monthly bill rendered for residential electric service within the subdivision or neighborhood:

Monthly Charge  
Per Customer

OVERHEAD DISTRIBUTION AREA:

Bracket-mounted, enclosed luminaire on approved wood pole:

1 light per 10 customers or major fraction thereof:

7,000 lumen mercury vapor<sup>1</sup> or 9,500 lumen sodium vapor<sup>1</sup>

LED 50 light emitting diode

\$1,201.32  
~~0.951.05~~

1 light per 5 customers or major fraction thereof:

7,000 lumen mercury vapor<sup>1</sup> or 9,500 lumen sodium vapor<sup>1</sup>

LED 50 light emitting diode

2,392.63  
~~1.942.10~~

1 light per 3 customers or major fraction thereof:

7,000 lumen mercury vapor<sup>1</sup> or 9,500 lumen sodium vapor<sup>1</sup>

LED 50 light emitting diode

3,934.33  
~~3.113.42~~

UNDERGROUND DISTRIBUTION AREA:

Bracket-mounted, enclosed luminaire on approved wood pole:

1 light per 10 customers or major fraction thereof:

7,000 lumen mercury vapor<sup>1</sup> or 9,500 lumen sodium vapor<sup>1</sup>

LED 50 light emitting diode

1,661.83  
~~1.361.50~~



1 light per 5 customers or major fraction thereof:

7,000 lumen mercury vapor <sup>1</sup> or 9,500 lumen sodium vapor <sup>1</sup>	<del>3-323.65</del>
LED 50 light emitting diode	<u>2-733.01</u>

1 light per 3 customers or major fraction thereof:

7,000 lumen mercury vapor <sup>1</sup> or 9,500 lumen sodium vapor <sup>1</sup>	<del>5-486.03</del>
LED 50 light emitting diode	<u>4-494.94</u>

Bracket-mounted, enclosed luminaire on standard fiberglass or metal\* pole or approved direct burial post:

1 light per 10 customers or major fraction thereof:

7,000 lumen mercury vapor <sup>1</sup> or 9,500 lumen sodium vapor <sup>1</sup>	<del>1-892.08</del>
LED 50 light emitting diode	<u>1-581.74</u>
LED 50 light emitting diode (post-top fixture)	<u>1-962.16</u>

1 light per 6 customers or major fraction thereof:

7,000 lumen mercury vapor <sup>1</sup> or 9,500 lumen sodium vapor <sup>1</sup>	<del>3-133.45</del>
LED 50 light emitting diode	<u>2-632.90</u>
LED 50 light emitting diode (post-top fixture)	<u>3-263.59</u>

1 light per 3 customers or major fraction thereof:

7,000 lumen mercury vapor <sup>1</sup> or 9,500 lumen sodium vapor <sup>1</sup>	<del>6-236.86</del>
LED 50 light emitting diode	<u>5-215.74</u>
LED 50 light emitting diode (post-top fixture)	<u>6-447.09</u>

\*Metal will be installed in locations where fiberglass cannot be used as determined by Company on or after January 15, 1997.

Mercury vapor units converted before September 19, 1983, to 12,000 lumen retrofit sodium vapor units, add to mercury vapor prices:

If 1 light per 10 customers:	<del>0-150.17</del>
If 1 light per 5 customers:	<u>0-290.32</u>
If 1 light per 6 customers:	<u>0-240.26</u>

<sup>1</sup> Mercury vapor, ~~sodium vapor~~ or retrofit sodium vapor fixtures are not available to new installations. ~~For mercury vapor and retrofit sodium vapor. Upon failure of the lamp, fixture or ballast or but no later than December 31, 2023~~ ~~either~~ pursuant to Commission Rule R8-47, these fixtures shall be replaced at no charge with a comparable LED 50 fixture. For sodium vapor, upon failure of the fixture or ballast, these fixtures will be replaced at no charge with a comparable LED 50 fixture. ~~When a comparable LED fixture isn't available, a comparable sodium vapor fixture shall be installed.~~

## SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

## ANNEXATION CONSIDERATIONS

I. If any of the following conditions exist, the developer of the subdivision or neighborhood will be required to obtain from the municipal governing agency its written approval of the street lighting service being provided under this Schedule and the number and location of the lights to be installed:

- A. The subdivision or neighborhood abuts a boundary of the municipality.
- B. It is known that the subdivision or neighborhood will be annexed into the municipality.
- C. The municipal governing agency has enacted a subdivision or neighborhood control



~~Nonutility Change No. 52, which~~ the electrical distribution<sup>A</sup> system within the subdivision or neighborhood<sup>B</sup> installed underground, the persons requesting the installation of the street lighting system will pay to Company, in addition to any contribution required above, a nonrefundable contribution equal to the cost of trenching and backfilling necessary for the installation of the street lighting system. If a contribution is required under Excess Circuitry, that portion of trenching and backfilling included in such contribution will be excluded from the preceding requirement. Re-landscaping of the area necessary due to the installation of the street lighting system will be the responsibility of the residents within the subdivision or neighborhood. The appropriate monthly change as set forth above will be applied to the monthly billings of all residents in the subdivision or neighborhood.

#### CONVERSION OF EXISTING LIGHTING SYSTEM

Street lighting installed pursuant to this schedule is subject to conversion upon request of an Applicant under the conditions stated below. An Applicant is a duly authorized representative of customers served under this Schedule with the authority to seek changes to the lighting system.

- I. Upon request of an Applicant, the street lighting may be converted to a different light type, light source or installation density provided all of the following conditions are met:
  - A. Applicant requesting a change in the street lighting system must submit a petition signed by all the owners of residential lots within the subdivision or neighborhood requesting the revised lighting service.
  - B. If the current lighting has been installed fewer than 20 years, Applicant must submit a payment of \$50 per fixture for fixture conversions on existing poles or \$500 per fixture if the change also involves a pole or post. If the change requires a redesign of the system layout, Applicant shall also pay any required Nonrefundable Contribution, as described in the above paragraph.
  - C. The converted lighting system must conform to the options offered under this Schedule and must be applicable to all lighting within the subdivision or neighborhood.
  - D. The new monthly rate shall apply immediately following completion of the revised lighting installation.
- II. Upon request of a Homeowners Association or other legal entity representing the interest of residents served under this Schedule, the street lighting may be converted to service under ~~Street~~ Outdoor Lighting Service Schedule SLS provided all of the following conditions are met:
  - A. The Applicant must demonstrate legal authority to represent the interests of all landowners within the subdivision or neighborhood. Absent this demonstration, the Applicant must submit a petition signed by all the owners of residential lots within the subdivision or neighborhood requesting conversion to Schedule SLS.
  - B. The Applicant must execute an Agreement for lighting service under Schedule SLS. The Agreement shall include a statement by the Applicant verifying that all residential land owners will be notified in writing prior to the conversion to lighting service under Schedule SLS and transfer of the lighting responsibilities to the Applicant. The Agreement shall also include a statement by the Applicant verifying that once service is established under Schedule SLS, the Applicant shall also be required to notify land owners in writing of any future changes to the lighting system including, but not limited to, potential disconnection of the lighting service due to nonpayment or termination of service.
  - C. The Applicant must demonstrate credit-worthiness or provide a deposit satisfactory to Company in case of default.
  - D. Following conversion of the street lighting to Schedule SLS, any change in the light type, light source or lighting design shall be made pursuant to the ~~Street-Outdoor~~ Lighting Service Regulations.

The monthly charges set forth under this Schedule will be billed in conjunction with the normal bill for residential service. The total of the bill so rendered shall be subject to the terms and conditions of the Service Regulations approved and on file with the state regulatory commission. Failure to pay the total bill rendered when due and payable shall constitute a failure to pay the bill for residential service.

#### CONTRACT PERIOD

The applicable monthly charge set forth in this Schedule shall be applied to the monthly billings of all residents in the subdivision or neighborhood as long as street lighting service is provided under any of the conditions as set out herein.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders ~~EDIT-1 and EDIT-2~~, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SLR-~~5356~~

Effective for service rendered on and after ~~September 1, 2019~~ September 1, 2019 November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219



Duke Energy Progress, LLC  
(North Carolina Only)

SPORTS FIELD LIGHTING  
SCHEDULE SFLS-~~5660~~

AVAILABILITY

This Schedule is available for electric service used for lighting specifically designed for outdoor fields which are normally used for football, baseball, softball, tennis, races, and other organized competitive sports.

This Schedule is not available for breakdown, standby, supplementary, or resale service.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, either single-phase 2 wires, or three-phase 3 or 4 wires, at Company's standard distribution voltage available for the area or the voltage at which an installation was served on December 1, 1973.

EXTENSION OF FACILITIES

Company will make the type of service agreed upon available to Customer, provided Customer will pay to Company the total estimated cost of extending or increasing the capacity of Company's facilities located on Company's side of the point of delivery, exclusive of the material cost of transformers and the entire cost of the meter installation.

MONTHLY RATE

I. For Single-Phase Service:

- |                                 |                                       |
|---------------------------------|---------------------------------------|
| A. Basic Customer Charge        | \$28.50                               |
| B. Billing Demand:              | <del>\$1.24</del> <u>1.37</u> per kW  |
| C. Kilowatt-hour Energy Charge: | <del>6.16</del> <u>6.76</u> ¢ per kWh |

II. For Three-Phase Service:

The bill computed for single-phase service plus \$7.00.

III. Renewable Energy Portfolio Standard (REPS) Adjustment:

The monthly bill shall include a REPS Adjustment based upon the revenue classification:

Commercial/Governmental Classification - \$7.96/month

Upon written request, only one REPS Adjustment shall apply to premises serving the same customer for all accounts of the same revenue classification. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts regardless of their revenue classification (see Annual Billing Adjustments Rider BA).



The Billing Demand shall be the maximum kW registered or computed, by or from Company's metering facilities, during any 15-minute interval within the current billing month, but not less than the maximum kW previously registered during the current season (period of continuous connection).

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### BILLING

The billing to Customer will be continuous from the beginning to the end of each complete season or period of special use, and service will not be disconnected until the end of each complete season or period of special use. If the season or period of use is for less than 30 consecutive days, Customer will be billed the estimated cost of connecting and disconnecting service, which estimated cost shall not be less than ~~\$17,009.14~~.

#### PAYMENTS

Bills are due when rendered and are payable within ~~15-25~~ days from the date of the bill. If any bill is not so paid, Company has the right to suspend service in accordance with its Service Regulations. In addition, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1% per month as provided in Rule R12-9 of the Rules and Regulations of the North Carolina Utilities Commission.

#### CONTRACT PERIOD

The Contract Period shall not be less than one month, unless Customer agrees to pay the estimated cost of connection and disconnection, which estimated cost shall be ~~\$17,009.14~~.

#### GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

#### ADDITIONAL CHARGES

The MONTHLY RATE includes fuel, DSM, and EE Billing Adjustment Factors set forth in Annual Billing Adjustments Rider BA, Excess Deferred Income Tax Riders EDIT-1 and EDIT-2, Regulatory Asset and Liability Rider RAL, Joint Agency Asset Rider JAA, and Fuel EMF Deficiency Rider.

Supersedes Schedule SFLS-~~5356~~  
Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219

ANNUAL BILLING ADJUSTMENTS  
RIDER BA ~~4922~~

APPLICABILITY – RATES INCLUDED IN TARIFF CHARGES

The rates shown below are included in the MONTHLY RATE provision in each schedule identified in the table below:

Billing Adjustment Factors (¢/kWh)*					
Rate Class	Fuel and Fuel-Related Adjustment	DSM and EE Adjustment			Net Adjustment
	Rate <sup>(1)</sup>	EMF <sup>(2)</sup>	Rate <sup>(3)</sup>	EMF <sup>(4)</sup>	
Residential Applicable to Schedules: RES, R-TOUD, & R-TOU	<del>0.3180.0</del> <u>00</u>	0.576	0.641	0.003	<del>1.5381.220</del>
Small General Service Applicable to Schedules: SGS, SGS-TOUE, SGS-TOU-CLR, TSF & TSS	<del>0.4690.0</del> <u>00</u>	0.364	0.698 (EE Only) 0.063 (DSM Only)	0.122 (EE Only) (0.018) (DSM Only)	<del>1.6981.229</del>
Medium General Service Applicable to Schedules: MGS, SGS-TOU, SL, CH-TOUE, GS-TES, APH-TES, CSG, CSE	<del>0.0460.0</del> <u>00</u>	0.343	0.698 (EE Only) 0.063 (DSM Only)	0.122 (EE Only) (0.018) (DSM Only)	<del>1.2541.208</del>
Large General Service Applicable to Schedules: LGS, LGS-TOU, LGS-RTP	<del>0.4970.0</del> <u>.000</u>	1.039	0.698 (EE Only) 0.063 (DSM Only)	0.122 (EE Only) (0.018) (DSM Only)	<del>1.4071.904</del>
Lighting Applicable to Schedules: ALS, SLS, SLR & SFLS	<del>1.6570.0</del> <u>00</u>	0.886	0.099 (EE Only) 0.000 (DSM Only)	0.001 (EE Only) 0.000 (DSM Only)	<del>2.6430.986</del>

\* Billing Adjustment Factors, shown above, includes a North Carolina regulatory fee.

Billing Adjustment Factors Description:

- (1) The Fuel and Fuel-Related Adjustment Rate is adjusted annually to reflect incremental changes in the costs of fuel and fuel-related costs from the rates approved in the last general rate case.
- (2) The Fuel and Fuel-Related Adjustment Experience Modification Factor (EMF) is adjusted annually to reflect the difference between reasonable and prudently incurred fuel and fuel-related costs and the fuel and fuel-related revenues realized during a test period under review and shall remain in effect for a fixed 12-month period.
- (3) The Demand Side Management (DSM) and Energy Efficiency (EE) Rates are adjusted annually to reflect the costs and incentives associated with DSM and EE measures and programs approved by the North Carolina Utilities Commission.
- (4) The DSM and EE Experience Modification Factors (DSM EMF and EE EMF) are adjusted annually to reflect the difference between reasonable and prudently incurred DSM and EE costs and incentives and DSM and EE revenues realized during the period under review and shall remain in effect for a fixed 12-month period.

The fuel rate included in base tariff rates effective ~~March 16, 2018~~ November 29, 2019 are ~~1.9962.314¢/kWh~~ for RES, ~~2.0942.560¢/kWh~~ for SGS, ~~2.4342.480¢/kWh~~ for MGS, ~~2.2561.759¢/kWh~~ for



LGS and ~~0.5972~~2.254¢/kWh for Lighting, including the North Carolina regulatory fee.

Demand Side Management and Energy Efficiency "Opt-Out" Option

North Carolina Utilities Commission Rule R8-69(e) allows commercial customers with annual consumption of 1,000,000 kWh or greater in the billing months of the prior calendar year and all industrial customers to elect to not participate in either or both (1) any utility-offered DSM or (2) any utility-offered EE program and, after written notification to the utility, not be subject to either or both the DSM or EE Rates and EMFs, as applicable and as shown above. For purposes of application of this option, a customer is defined to be a metered account billed under a single application of a Company rate tariff. For commercial accounts, once one account meets the opt-out eligibility requirement, all other accounts billed to the same entity with lesser annual usage located on the same or contiguous properties are also eligible to opt-out in the same manner from paying either or both of the DSM and EE Rates and EMFs. Since these rates are included in the rate tariff charges, Customers electing this option shall receive either or both of the following DSM and EE Credit(s) on their monthly bill statement:

DSM Opt-Out Credit = Billed kWh times the sum of the DSM Rate and EMF\*  
EE Opt-Out Credit = Billed kWh times the sum of the EE Rate and EMF\*

\* The DSM and EE Rates and EMFs shall be as shown in the above table for the schedule applicable to Customer's monthly bill.

Following the December bill each year, usage for commercial accounts electing to "opt-out" of the DSM/EE rates shall be reviewed and the customer shall be notified and removed from the "opt-out" option if annual consumption is less than 1,000,000 kWh in the prior twelve months.

APPLICABILITY – RATES NOT INCLUDED IN TARIFF CHARGES

The rates shown below are not included in the MONTHLY RATE provision of the applicable schedule used in billing and shall therefore be added to Customer's monthly bill statement:

Billing Adjustment Factors Per Customer (\$/month)*			
Revenue Class	REPS Rate <sup>(5)</sup>	REPS EMF <sup>(6)</sup>	Net Billing Rate
Residential	\$ 1.30 per month	\$0.12 per month	\$ 1.42 per month
Commercial/Public Streets and Highways	\$ 8.62 per month	(\$0.66) per month	\$ 7.96 per month
Industrial/Public Authority	\$ 65.05 per month	\$8.12 per month	\$73.17 per month

\* Billing Adjustment Factors, shown above, includes a North Carolina regulatory fee.

For purposes of the applicability of the Renewable Energy Portfolio Standard (REPS) Billing Adjustment Factors, a "Customer" is defined as all accounts (metered and unmetered) serving the same customer of the same revenue classification located on the same or contiguous properties. If a customer has accounts which serve in an auxiliary role to a main account on the same premises, no REPS charge should apply to the auxiliary accounts, regardless of their revenue classification. Upon written notification from Customer, accounts meeting these criteria shall be coded in the billing system to allow Customer to receive only one monthly REPS charge for all identified accounts.

Billing Adjustment Factors Description:

- (5) The REPS Rate is adjusted annually to reflect research and development costs and incremental costs incurred to comply with the state's Renewable Energy and Energy Efficiency Portfolio Standard (REPS).
- (6) The REPS Experience Modification Factor (REPS EMF) Rate is adjusted annually to recover the difference between reasonable and prudently incurred REPS costs and REPS revenues realized during the period under review and shall remain in effect for a fixed 12-month period.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

The Fuel and Fuel-Related Adjustment EMF and REPS EMF are effective for service rendered through November 30, 2019. The DSM EMF and EE EMF are effective for service rendered through December 31, ~~2018~~2019.

Supersedes Rider BA-~~18~~19

Effective for service rendered on and after ~~January 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Sub ~~1174~~1219



Duke Energy Progress, LLC  
(North Carolina Only)

RR-15

## SUPPLEMENTARY AND FIRM STANDBY SERVICE RIDER SS-~~6061~~

### AVAILABILITY

This Rider is available to customers in conjunction with any of Company's general service rate schedules to permit Supplementary and Standby Service to Customer having generation equipment not held solely for emergency use and for which Company's service may be substituted either directly or indirectly or used as an additional power supply. Customer shall execute (1) a Service Agreement specifying separately the requirements for both Supplementary Service and Standby Service and (2) an Interconnection Agreement in accordance with the North Carolina Interconnection Procedures, Forms, and Agreements for State-Jurisdictional Generation Interconnections.

This Rider is not available (1) for temporary or supplementary seasonal service, (2) for use in conjunction with any of Company's other standby service riders, (3) for use in conjunction with Company's Dispatched Power Rider No. 68 or Incremental Power Service Rider IPS, or (4) for Standby Service in excess of 50,000 kW. The provisions of the rate schedule with which this Rider is used are modified only as shown herein.

### DEFINITIONS

#### Contract Demand

The Contract Demand is the total maximum kW that Customer desires Company to supply for both Supplementary and Standby Service combined, as specified in the Service Agreement. It shall be increased by the amount of the excess when the sum of the Supplementary Service Contract Demand and Standby Service Contract Demand exceeds the previously established Contract Demand. The increase shall be effective with the following billing month unless Company requests Customer to reduce such demand to a specified amount but not less than the previously established Contract Demand.

#### Standby Service

Standby Service is the service which Company supplies to replace Customer's generation. This includes breakdown and maintenance periods. For generation with a planning capacity factor of less than 60%, the Standby Service Contract Demand shall be the nameplate kW capacity of Customer's installed generation. For generation with a planning capacity factor of 60% or greater, the Standby Service Contract Demand shall be the maximum increased demand Company is requested to serve whenever Customer's generation is not operating, which may be less than the generator nameplate rating. The Standby Service Contract Demand may be increased by mutual agreement.

#### Supplementary Service

Supplementary Service is the service which Company continuously supplies to replace Customer's generation. The Contract Demand of Supplementary Service shall be the established Contract Demand minus the Standby Service Contract Demand; however, whenever the established Contract Demand is exceeded, the Supplementary Service Contract Demand shall increase effective with the following billing month by the amount the established Contract Demand exceeds the Standby Service Contract Demand. However, in all events, Company may within 30 days request Customer to reduce such demand to a specified amount, but not less than the previously established Supplementary Service Contract Demand.



The Monthly Bill shall be the sum of the following amounts:

1. Availability to Serve Charges:

- a. Generation Reservation Charge applicable to customers both less than 60% and 60% or greater planning capacity factor - \$0.75/kW of Standby Service Contract Demand.
- b. Standby Service Delivery Charge (applicable to customer generation with a planning capacity factor 60% or greater):

Per kW of Standby Service Contract Demand for Customer served from:

Transmission System (voltage of 69 kV or higher) ~~\$4.63~~ 1.58/kW

Distribution System (voltage below 69 kV) ~~\$2.62~~ 2.59/kW

- c. Extra Facilities Billing applicable to both less than 60% and 60% or greater planning capacity factor customers: An amount equal to the monthly facilities charge, as specified in Company's Service Regulations, times the difference between the installed cost of (1) the facilities required by Company to supply the Contract Demand, including any protective or other equipment deemed necessary to accommodate Customer's parallel operation, and (2) the facilities required by Company to supply the contract kW of Supplementary Service.

2. Supplementary and Standby Service Usage Charges:

- a. For generation with a planning capacity factor of less than 60%:

Supplementary and Standby Service billing for the established demand and kilowatt-hours consumed during the month is under the rate schedule and rider(s) with which this Rider is used.

- b. For generation with a planning capacity factor of 60% or greater:

- i. Supplementary Service billing for the Billing Demand established and the kilowatt-hours consumed associated with the Supplementary Service Contract Demand is under the rate schedule and rider(s) with which this Rider is used.

- ii. Standby Service billing for the kilowatt-hours consumed in excess of the Supplementary Service Contract Demand shall be at the sum of the (1) Standby Service RTP Hourly Energy Rate, as shown below, plus (2) the Rider Adjustment applicable during the current billing month. The Rider Adjustment shall include the sum of the DSM/EE and DSM/EE EMF rate adjustments during the current billing month. This amount shall be computed on an hourly basis.

STANDBY SERVICE RTP HOURLY ENERGY RATE

The Real Time Pricing (RTP) Hourly Energy Rate applicable to all usage in excess of the Supplementary Service Contract Demand shall be calculated as follows:

$$\text{Hourly RTP Rate} = (\text{MENERGY} + \text{CAP} + \text{ADDER}) \times (1 + \text{TAXES})$$

where:  
 MENERGY = Marginal Energy Cost per kilowatt-hour including marginal fuel, variable operating and maintenance expenses, and delivery losses

CAP = Tiered Capacity Charge per kilowatt-hour applicable whenever the day-ahead forecast of the ratio of hourly available generation to hourly demand is equal or less than 1.15

ADDER =  $\beta$  X (Class Rate-Hourly Marginal Cost), but not less than zero

where:

$\beta$  = a fixed value equal to 0.20

Class Rate = the prior calendar year average rate per kilowatt-hour under the conventional tariffs applicable to the LGS class, as updated annually effective with the February billing

Hourly Marginal Cost = the sum of the specific hour's kilowatt-hour price for MENERGY and CAP, all as defined above

TAXES = NC Regulatory Fee (currently ~~0.14~~0.13%)

CONTRACT PERIOD

As specified in the Application for the Supply of Electricity, but not less than one year.

SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

GENERAL

Where Customer's generation equipment is connected either electrically or mechanically to equipment which may be operated concurrently with service supplied by Company, Customer shall install and maintain at his expense such devices as may be necessary to protect his equipment and service and to automatically disconnect his generating equipment, which is operated in parallel with Company, when service used by Customer is affected by electrical disturbances on Company's or Customer's systems.

Service rendered under this Rider is subject to the provisions of the Service Regulations and any changes therein, substitutions therefore, or additions thereto lawfully made.

Supersedes Riders SS-~~5760~~  
Effective for service rendered on and after ~~September 1, 2019~~November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~1219

Duke Energy Progress, LLC  
(North Carolina Only)

RR-16

## SUPPLEMENTARY AND NON-FIRM STANDBY SERVICE RIDER NFS-~~4213~~

### AVAILABILITY

This Rider is available to customers in conjunction with any of Company's General Service rate schedules to permit Supplementary and Non-Firm Standby Service to Customer having generation equipment with a planning capacity factor of 60% or greater not held solely for emergency use and for which Company's service may be substituted either directly or indirectly or used as an additional power supply. Customer shall execute (1) a Service Agreement specifying separately the requirements for both Supplementary Service and Non-Firm Standby Service and (2) an Interconnection Agreement in accordance with the North Carolina Interconnection Procedures, Forms, and Agreements for State-Jurisdictional Generation Interconnections.

This Rider is not available (1) for temporary or supplementary seasonal service, (2) for use in conjunction with any of Company's other standby or generation service riders, (3) for Customer's with nameplate generation capacity below 200 kW, (4) for a customer who is not currently receiving service under this Rider but had previously received service under the Rider in the preceding twelve months, (5) in conjunction with curtailable service schedules or riders, or (6) for Non-Firm Standby Service in excess of 50,000 kW. The provisions of the rate schedule with which this Rider is used are modified only as shown herein.

### DEFINITIONS

#### Contract Demand

The Contract Demand is the maximum kW that Customer desires Company to supply for Supplementary and Non-Firm Standby Service combined, as specified in the Service Agreement, and shall be increased by the amount of the excess when the sum of the Supplementary Service Contract Demand and Non-Firm Standby Service Contract Demand exceeds the previously established Contract Demand, unless and until Company within 60 days requests Customer to reduce such demand to a specified amount but not less than the established Contract Demand.

During a Non-Firm Period, the Contract Demand is subject to curtailment by Customer to not exceed the Supplementary Service Contract Demand.

#### Non-Firm Standby Service

Non-Firm Standby Service is the service which Company supplies to replace Customer's generation. This includes breakdown and maintenance periods approved by Company. The amount of Non-Firm Standby Service shall not exceed the nameplate kW capacity of Customer's installed generation. The amount of Non-Firm Standby Service initially contracted will automatically be increased whenever the established Contract Demand is exceeded, unless Company within 60 days requests Customer to reduce such demand to a specified amount. The Non-Firm Standby Service Demand shall increase by the amount the established demand exceeds the Supplementary Service Contract Demand.

#### Supplementary Service

Supplementary Service is service continuously available to supplement Customer's other power sources and is the kW of demand to which Customer shall reduce his requirement during a Non-Firm period specified by Company. The Supplementary Service Contract Demand shall be specified in the contract and shall only change based upon mutual consent of the parties, but in no case can it be less than the minimum contained in the rate schedule with which this Rider is used.

The Monthly Billing shall be the sum of the following amounts:

1. Supplementary Service Billing:

An amount computed under the rate schedule with which this Rider is used for the Billing Demand established and the kilowatt-hours consumed associated with the Supplementary Service Contract Demand.

2. Non-Firm Standby Service Billing:

An amount computed as the kilowatt-hours consumed in excess of the Supplementary Service Contract Demand times the sum of the (a) Non-Firm Standby Service Hourly RTP Energy Rate, as shown below, plus (b) the Rider Adjustment applicable during the current billing month. The Rider Adjustment shall include the sum of the DSM/EE and DSM/EE EMF rate adjustments during the current billing month. This shall be computed on an hourly basis.

3. Non-Firm Standby Notification Customer Charge: \$50.0065.00

4. Non-Firm Standby Service Delivery Charge:

Per kWh of Non-Firm Standby Service Usage for Customer served from:  
Transmission System (voltage of 69 kV or higher) \$0.003070.00355/kWh  
Distribution System (voltage below 69 kV) \$0.004810.00602/kWh

Non-Firm Standby Service Usage shall be all kilowatt-hours consumed in excess of the Supplementary Service Contract Demand in the current billing month.

5. Extra Facilities Billing:

An amount equal to the monthly facilities charge as specified in Company's Service Regulations times the difference between the installed cost of (1) the facilities required by Company to supply the Contract Demand, including any protective or other equipment deemed necessary to accommodate Customer's parallel operation, and (2) the facilities required by Company to supply the contract kW of Supplementary Service.

NON-FIRM STANDBY SERVICE RTP HOURLY ENERGY CHARGE

The Real Time Pricing (RTP) Hourly Rate applicable to all usage in excess of the Supplementary Service contract kW shall be calculated as follows:

Hourly RTP Rate = (MENERGY + CAP + ADDER) X (1 + TAXES)

where:

MENERGY = Marginal Energy Cost per kilowatt-hour including marginal fuel, variable operating and maintenance expenses, and delivery losses

CAP = Tiered Capacity Charge per kilowatt-hour applicable whenever the day-ahead forecast of the ratio of hourly available generation to hourly demand is equal or less than 1.15

ADDER =  $\beta$  X (Class Rate-Hourly Marginal Cost), but not less than zero

where:

$\beta$  = a fixed value equal to 0.20



Class Rate = the prior calendar year average rate per kilowatt-hour under the conventional tariffs applicable to the LGS class, as updated annually effective with the February billing

Hourly  
Marginal Cost = the sum of the specific hour's kilowatt-hour price for MENERGY and CAP, all as defined above

TAXES = NC Regulatory Fee (currently ~~0.140~~.13%)

During Non-Firm Periods, the applicable Non-Firm Standby Service Hourly RTP Energy Rate shall be the greater of the Hourly RTP Rate, as calculated above, or the PJM price during the hour, plus 5%, plus any applicable transmission charges to deliver the electricity from PJM plus the North Carolina regulatory fee. The applicable PJM rate shall be final settlement hourly rate for the PJM Western Hub.

#### NON-FIRM PERIOD

The Non-Firm Period shall be a fifteen-hour period, unless Company specifies a shorter period at the time the Customer is notified. Customer shall be given a minimum of 30-minutes notice before the requested Non-Firm Period is to take place. Company shall use reasonable diligence to notify Customer of an impending Non-Firm Period and having used reasonable diligence shall not be liable to Customer should Customer not receive notification. To assist Customer in reviewing the financial impact of Non-Firm Standby Service usage, Company will provide its Hourly RTP Rates on a password-secured website. A forecast of PJM hourly rates is available from the PJM website; however, the final settlement rate will be used for billing which may differ from the PJM forecast.

#### SUPPLEMENTARY SERVICE BILLING DEMAND

The Billing Demand of Supplementary Service shall be the maximum kW registered or computed, by or from Company's metering facilities, during a 15-minute interval within the current billing month, but not greater than the Billing Demand determined in accordance with the schedule with which this Rider is used for the contract kW of Supplementary Service.

#### FAILURE TO COMPLY WITH NON-FIRM STANDBY SERVICE REQUIREMENTS

Customer shall undertake all reasonable steps to ensure that Customer's load does not exceed the Supplementary Service kW during all Non-Firm Periods. Continual failure to limit usage to the Supplementary Service kW or less during Non-Firm Periods shall constitute grounds for either increasing the Supplementary Service contract demand or removal from this Rider.

#### CONTRACT PERIOD

The Contract Period shall not be less than five years, and shall automatically extend thereafter for successive periods of two years unless terminated by either party at the end of any contract period by giving not less than sixty (60) days' written notice to the other party prior to the end of the contract period.

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.



Where Customer's generation equipment is connected either electrically or mechanically to equipment which may be operated concurrently with service supplied by Company, Customer shall install and maintain at his expense such devices as may be necessary to protect his equipment and service and to automatically disconnect his generating equipment, which is operated in parallel with Company, when service used by Customer is affected by electrical disturbances on Company's or Customer's systems.

Service rendered under this Rider is subject to the provisions of the Service Regulations and any changes therein, substitutions therefore, or additions thereto lawfully made.

Supersedes Rider NFS-~~1012~~  
Effective for service rendered on and after ~~September 1, 2019~~ November 29, 2019  
NCUC Docket No. E-2, Subs ~~1142 and 1153~~ 1219

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Duke Energy Progress, LLC  
(North Carolina Only)

RR-17

## LARGE LOAD CURTAILABLE RIDER LLC-614

### AVAILABILITY

This Rider is available on a voluntary basis to Customer receiving electric service under any general service schedule provided Customer contracts for 1,000 kW or greater which is subject to be curtailed under the provisions of this Rider. Customers continually served under a predecessor of this Rider prior to June 1, 2013 with a lesser amount of curtailable demand shall continue to be served under this Rider until such time that service under the Rider is terminated by Customer or Company.

This Rider is not available: (1) for temporary service, (2) for a customer who is not currently receiving service under this Rider, but had previously received service under this Rider in the preceding twenty-four months, or (3) in conjunction with another non-firm or curtailable rider. Customer may use other sources of power to curtail electrical load without being subject to standby service requirements.

### APPLICABILITY

The schedule used in conjunction with this Rider is modified only as shown herein. By electing service under this Rider, Customer agrees to curtail electrical load according to the provisions of this Rider.

Where Customer's other source of power is connected electrically or mechanically to equipment which may be operated concurrently with service supplied by Company, Customer shall install and maintain at his expense such devices as may be necessary to protect his equipment and service and to automatically disconnect his generating equipment, which is operated in parallel with Company, when service used by Customer is affected by electrical disturbances on Company's or Customer's systems. Should Company determine that Customer's facilities are not adequate to protect Company's facilities, Company may install the necessary facilities and Customer shall pay for the extra facilities in accordance with Company's Service Regulations. When this Rider is used in conjunction with the applicable standby or back-up service rider, standby service shall not be substituted for curtailable load and in no event shall the Demonstrated Curtailable Demand be greater than the difference between the Supplementary Service Demand and the Firm Demand.

When this Rider is used in conjunction with either the Dispatched Power or Incremental Power Service Riders, any Class 2 Dispatched or Incremental energy (kWh) will be excluded from the determination of Demonstrated Curtailable Demand under this Rider and the Customer Charge contained herein will not be applicable.

### DEFINITIONS

#### A. FIRM DEMAND

The Firm Demand shall be the kW of demand specified in the Service Agreement to which Customer shall reduce his requirement at the time specified by Company. Customer shall contract for a Winter Firm Demand for the service rendered during the calendar months of October through March and a Summer Firm Demand for service rendered during the calendar months of April through September.

#### B. DEMONSTRATED CURTAILABLE DEMAND

The Demonstrated Curtailable Demand shall be the average kW demand during the on-peak hours less the applicable Firm Demand. The Summer Firm Demand shall be applicable during the billing months of April through September and the Winter Firm Demand shall be applicable during the billing months of October through March. The average on-peak kW shall be determined by dividing the on-peak kWh by 252.

#### C. PREMIUM DEMAND

The Premium Demand shall be the maximum 15-minute kW demand registered or computed by or from Company's metering facilities during any Curtailment Period in the billing month less the

applicable Firm Demand, but not less than zero. The applicable Firm Demand shall be determined based upon the calendar month when the Premium Demand was consumed.

**D. CURTALMENT PERIOD**

The Curtailment Period(s) may occur during on-peak or off-peak hours of any month and shall be an 8-hour period unless Company specifies a shorter period at the time Customer is notified. Company shall send notification to Customer a minimum of 30 minutes before the requested curtailment is to occur. At the time Customer is notified to curtail, Customer will be advised whether the Curtailment Period is a Level 1 or a Level 2 Capacity Curtailment Period. Company shall use reasonable diligence to notify Customer of an impending Curtailment Period and having used reasonable diligence shall not be liable to Customer should Customer not receive notification. The number of hours of Curtailment in any calendar day shall be no more than 8 hours. Company reserves the right for a longer interruption in the event continuity of service is threatened. The total hours of Capacity Curtailment Periods shall be no more than 400 hours during a calendar year.

**E. ON-PEAK HOURS**

1. Service used beginning at 12:00 midnight March 31 and ending at 12:00 midnight September 30:

The on-peak hours are defined as the hours between 10:00 a.m. and 10:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

2. Service used beginning at 12:00 midnight September 30 and ending at 12:00 midnight March 31:

The on-peak hours are defined as the hours between 6:00 a.m. and 1:00 p.m., plus 4:00 p.m. through 9:00 p.m., Monday through Friday, excluding holidays considered as off-peak.

**F. OFF-PEAK HOURS**

The off-peak hours in any month are defined as all hours not specified above as on-peak hours. All hours for the following holidays will be considered off-peak: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and the day after, and Christmas Day. When one of the above holidays falls on a Saturday, the Friday before the holiday will be considered off-peak; when the holiday falls on a Sunday, the following Monday will be considered off-peak.

**MONTHLY RATE**

An amount computed under the applicable schedule and other riders with which this Rider is used, plus the following Customer Charge and Credit:

A. Customer Charge: ~~\$50.00~~65.00

B. Credit = Discount x Demonstrated Curtailable Demand, but not less than zero (\$0)

Where: Discount = ~~\$5.40~~5.60 per kW

**ADDITIONAL CHARGES FOR USE OF PREMIUM DEMAND**

If Customer exceeds the Firm Demand during a Level 1 or Level 2 Capacity Curtailment Period, it shall be considered to be the Use of Premium Demand.

**A. DURING A LEVEL 1 CAPACITY CURTAILMENT PERIOD**

For use of Premium Demand during a Level 1 Capacity Curtailment, Customer shall pay to Company ~~\$2.70~~2.80 per kilowatt-hour for all kilowatt-hours attributable to Premium Demand during the Level 1 Curtailable Period. This charge shall be in addition to applicable kWh charge(s) in the rate schedule with which this Rider is used.

#### DURING A LEVEL 2 CAPACITY CURTAILMENT PERIOD

Customer shall pay to Company \$50.00 for each kW of Premium Demand for each and every Level 2 Curtailable Period during the billing period.

In addition to the charge(s) for the use of Premium Demand, for the second Use of Premium Demand (Level 2 Only) during a 12-month period, the Firm Demand shall automatically be increased to equal the maximum 15-minute demand registered during the Level 2 Curtailment Period. In addition to the charges for the use of Premium Demand (Level 2 Only), for the third or subsequent Use of Premium Demand during a 12-month period, service under this Rider shall be terminated and Customer shall pay the sum of all credits received during the current and prior 11 billing months, reduced by any payments for the Use of Premium Demand during the 12-month period, but not less than zero.

#### CURTAILABLE NOTIFICATION

Customer must provide, at Customer's expense, contact information and suitable mean(s) for Company communication of Curtailment Periods, including but not limited to text messaging, telephone, and electronic mail. Customer is solely responsible to notify Company of changes in Customer's contact and communication information as they occur. Company shall use reasonable diligence to notify Customer of an impending Curtailment period and having used reasonable diligence shall not be liable for Customer's failure to receive and act upon curtailment notifications.

#### CONTRACT PERIOD

The Contract Period shall be five (5) years, with automatic successive extensions of two (2) years thereafter, unless: (a) terminated by either party at the end of the Contract Period by giving not less than sixty (60) days written prior notice, (b) terminated by Company in accordance with the Additional Charges for Use of Premium Demand provision above.

#### CUSTOMER REQUESTED TERMINATION OR CHANGES IN FIRM DEMAND

Customer may terminate service under the Rider or revise the Firm Demand at the end of any Contract Period without charge. The Firm Demand is also subject to upward adjustment at no charge if the Contract Demand is increased, provided there is no net change in the amount of demand that is subject to curtailment.

The difference in the Firm Demand and the Contract Demand may be reduced during the Contract Period provided Customer pays Company a charge of \$50.00 for each kW of Contract Demand that will no longer be subject to curtailment. If Curtailable Service is terminated at any other time, for reasons other than automatic disqualification due to the excessive Use of Premium Demand, Customer shall pay Company the sum of all credits received during the current and prior 11 billing months. Any adjustment of the Firm Demand shall not be applied retroactive to any prior Use of Premium Demand.

#### SALES TAX

To the above charges will be added any applicable North Carolina Sales Tax.

#### GENERAL

Service rendered under this Rider is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission. The provisions of this Rider are subject to change upon approval by the North Carolina Utilities Commission.

Supersedes Rider No LLC-3A6

Effective for service rendered on and after ~~March 16, 2018~~ November 29, 2019  
NCUC Docket No. E-2, Sub ~~1142~~ 1219



Duke Energy Progress, LLC  
(North Carolina Only)

RR-18

DISPATCHED POWER  
RIDER NO. ~~68M680~~

AVAILABILITY

This Rider is available in conjunction with Company's Large General Service Schedules. The rate schedule with which this Rider is used is modified only as shown herein. The Contract Period for service under this Rider shall continue until terminated either by Customer or Company by giving not less than 30 days written notice to the other party.

Service under this Rider may be offered at Company option and only during Company's low production cost periods, for Customer usage normally above levels at which they would otherwise operate.

DEFINITIONS

Class 2 Dispatched Power Period

A Class 2 Dispatched Power Period shall normally be a 24-hour period for days which contain on-peak hours. Company will attempt to schedule Class 2 periods adjacent to Saturdays, Sundays, and holidays which are as specified in the Company's LGS-TOU Schedule.

Dispatched Demand

Dispatched Demand is the kW demand in each 15-minute interval, during a Class 2 Dispatched Power Period, minus: 1) the maximum on-peak demand established outside a Dispatched Power Period, exclusive of standby service, if the applicable schedule is LGS-TOU, or 2) the maximum billing demand established outside a Dispatched Power Period, exclusive of standby service, if the applicable schedule is LGS. In no event will Dispatched Demand be less than zero.

Dispatched Energy

Dispatched Energy is all kilowatt-hours attributable to use of Dispatched Demand.

MONTHLY RATE

- A. Customer Charge in addition to the Basic Customer Charge in the rate schedule: ~~\$50.00~~\$65.00.
- B. Demands established during a Class 2 Dispatched Power Period will not be 1) used to determine Billing Demand of the applicable rate schedule or 2) considered a use of standby or back-up service.
- C. Dispatched Energy: Class 2 Dispatched Energy shall be billed at the rate specified in the applicable schedule plus the following increment:

<u>LGS-TOU</u>		<u>LGS</u>
<u>On-peak</u>	<u>Off-peak</u>	
1.5¢/kWh	0.0¢/kWh	1.5¢/kWh

NOTIFICATION

When Company determines that it has Dispatched Power available for sale, Company will provide notification to Customer of the beginning and ending times of a Dispatched Power Period. Notification will

be provided via procedures established by Company and such procedures shall be given to Customer.

Company shall use reasonable diligence to notify Customer of the institution of a Dispatched Power Period including the beginning and ending time(s). Company, having used reasonable diligence to notify Customer, shall not be liable should Customer not receive notification. Customer must install, at his expense, a dedicated telephone line in order to receive notification from Company and he must also provide satisfactory space for Company's communication equipment.

#### CHANGES TO A DISPATCHED POWER PERIOD

Upon Company's review of its generation costs and its system requirements, Company may notify Customer during a Dispatched Power Period that it will extend beyond the time which Company previously communicated to Customer that such Dispatched Power Period would end.

Upon 30-minute notice, Company may terminate a Dispatched Power Period prematurely in order to decrease the likelihood of instituting a Curtailable Period. A Dispatched Power Period will automatically terminate upon the actual commencement of a Curtailable Period.

#### GENERAL

Company will not install transformation capacity or other facilities which exceed Customer's requirement during non-Dispatched Power Periods. Demands established during Dispatched Power Periods shall not serve to satisfy Contract obligations of Customer.

Decisions to institute or extend a Dispatched Power Period rest solely with Company.

#### SALES TAX

To the above stated charges will be added any applicable North Carolina Sales Tax.

Supersedes Rider No. ~~68K68M~~

Effective for service rendered on and after ~~March 16, 2018~~ November 29, 2019

NCUC Docket No. E-2, Sub ~~H421~~ 219

Duke Energy Progress, LLC  
(North Carolina Only)

RR-19

## INCREMENTAL POWER SERVICE RIDER IPS-~~10~~12

### AVAILABILITY

This Rider is available to customers in conjunction with Company's Large General Service (Time-of-Use) Schedule LGS-TOU, which is modified only as shown herein.

Service under this Rider is only available at the option of Company, in conjunction with monthly Base Demands established by Company, for Customer usage above Base Demand levels at which Customer would otherwise operate.

This Rider is not available: 1) in conjunction with Company's Dispatched Power Rider No. 68, or 2) for twelve months following Customer's discontinuation of service under this Rider.

### DEFINITIONS

#### Class 2 Incremental Power Period

A Class 2 Incremental Power Period shall normally be a 24-hour period for days that contain on-peak hours.

#### Base Demand

Company shall establish Customer's Base Demand for each month of the year. These monthly Base Demands shall be established by Company in advance of Customer's election to utilize this Rider in any given month. Generally, Company will establish or change Base Demand levels upon the following factors: 1) the maximum kW registered or computed, by or from Company's metering facilities, during any on-peak 15-minute interval for the corresponding billing month in the twelve months prior to contracting for this Rider; 2) recent added or reduced electrical load; and 3) whether Customer's historical electrical loads represent Customer's ongoing operation. The Base Demands shall also exclude any demands resulting from standby service, back-up service, dispatched power, or Incremental Power. The monthly Base Demand level shall automatically increase to the maximum on-peak demand established outside any Incremental Power Periods whenever the maximum on-peak demand established outside any Incremental Power Periods exceeds the monthly Base Demand. Customer shall provide thirty (30) days advance written notification to Company when electrical load is to be added or removed or a change in Customer's operation is expected to occur. Company shall adjust any previous monthly bills to reflect the change in the Base Demands upon Company determining that Customer had not provided Company advanced written notification of Customer's increase in electrical load. Company may require Customer to operate at proposed Base Demand levels for up to 12 months before receiving or continuing to receive service under this Rider. Company reserves the right to modify a monthly Base Demand at any time when in its opinion the Base Demand no longer represents Customer's demand level in the absence of the availability of Incremental Power.

#### Incremental Demand

When the registered or computed 15-minute kW demand during an Incremental Power Period exceeds the Base Demand, Incremental Demand shall be the kW demand in each 15-minute interval during the Incremental Power Period minus the greater of: 1) the maximum on-peak demand established outside an Incremental Power Period exclusive of standby or backup service, or 2) the Base Demand.

When the registered or computed 15-minute kW demand during an Incremental Power Period is less than or equal to the Base Demand, then the Incremental Demand shall be zero. In no event, shall Incremental Demand(s) be less than zero.

Incremental Energy

Incremental Energy is the sum of all kilowatt-hours attributable to use of Incremental Demand.

MONTHLY RATE

- A. Customer Charge in addition to the Basic Customer Charge in the rate schedule: ~~\$50.00~~65.00.
- B. The Billing Demand shall be as determined in accordance with Schedule LGS-TOU, disregarding any Incremental Demands used during the billing month.
- C. Incremental Energy: Class 2 Incremental Energy shall be billed at the rate specified in Schedule LGS-TOU plus the following increment:

<u>On-peak</u>	<u>Off-peak</u>
1. <del>50</del> <u>0</u> ¢/kWh	0.0¢/kWh

NOTIFICATION

When Company determines that it has Incremental Power available for sale, Company will provide notification to Customer of the beginning and ending times of an Incremental Power Period. Notification will be provided via procedures established by Company and such procedures shall be given to Customer.

Company shall use reasonable diligence to notify Customer of the institution of an Incremental Power Period including the beginning and ending time(s). Company, having used reasonable diligence to notify Customer, shall not be liable should Customer not receive notification. Customer must install, at Customer's expense, a dedicated telephone line in order to receive notification from Company and Customer must also provide satisfactory space for Company's communication equipment.

CHANGES TO AN INCREMENTAL POWER PERIOD

Company may notify Customer during an Incremental Power Period that it will extend beyond the time which Company previously communicated to Customer that such Incremental Power Period would end.

Upon thirty (30) minutes notice, Company may terminate an Incremental Power Period prematurely in order to decrease the likelihood of instituting a Curtailable Period. An Incremental Power Period will automatically terminate upon the actual commencement of a Curtailable Period.

CONTRACT PERIOD

The Contract Period for service under this Rider shall continue until terminated by Customer or Company by giving not less than thirty (30) days written notice to the other party.

GENERAL

Company will not install transformation capacity or other facilities which exceed Customer's requirement during non-Incremental Power Periods. Demands established during Incremental Power Periods shall not serve to satisfy Contract obligations of Customer.

Decisions to institute, extend, or terminate an Incremental Power Period rest solely with Company.

SALES TAX

To the above stated charges will be added any applicable North Carolina Sales Tax.

Supersedes Rider No. IPS-~~8A~~10

Effective for service rendered on and after ~~March 16, 2018~~November 29, 2019

NCUC Docket No. E-2, Sub ~~1142~~1219



Duke Energy Progress, LLC  
(North Carolina)

RR-23

## METER-RELATED OPTIONAL PROGRAMS RIDER MROP-~~43~~15

### AVAILABILITY

These programs are available upon request and on a voluntary basis to those customers as described below, subject to the availability of appropriate metering and meter-related equipment.

#### I. TOTALMETER PROGRAM

Metering equipment to allow remote automated meter reading by Company will be provided upon execution of an application for TotalMeter. The application describes the conditions of service, states all charges, and provides for a termination charge should the TotalMeter option be discontinued prior to 24 consecutive months of service. Customer receiving the TotalMeter option may select a desired meter-reading day. Monthly rates and other charges related to the TotalMeter are as follows:

##### Monthly Rate for TotalMeter

Option 1: Customer-supplied suitable telephone communications line<sup>1</sup>      \$ ~~3.00~~10  
Option 2: Company-supplied wireless telephone communications circuit<sup>2</sup>      \$13.20

Charge for Customer-requested termination of TotalMeter  
Option prior to 24 consecutive months of service      \$50.00

<sup>1</sup> Option 1 is not available to new applicants on and after October 1, 2013. Existing participants may continue under this option until such time that the metering equipment requires replacement.  
<sup>2</sup> Option 2 is not available to new applicants on and after January 23, 2019. Existing participants may continue under this option until such time that the metering equipment requires replacement.

TotalMeter charges shall not apply when Company, at its option, determines that remote automated meter reading is necessary for Company's own use. Receipt of the TotalMeter option shall in no way restrict or otherwise limit Company's right of ingress and egress to read meters and inspect, maintain, repair and replace the meters and other facilities installed to serve Customer whenever necessary.

#### II. ENERGY PROFILER ONLINE

The Energy Profiler Online (EPO) program is available to any non-residential customer with a registered or contract demand of 30 kW or greater. EPO is an Internet-based program permitting Customer access to historic meter data from any internet-capable location. Access to meter data is both identification/name and password restricted. Monthly rates and other charges related to EPO are as follows:

##### Monthly Rate for EPO

Rate for totalized meter data only (updated monthly)<sup>3</sup>      \$20.00 per totalized account  
Rate for meter data per individual meter (updated each business day)      \$20.00 per meter  
Set-up fee per meter      \$85.00  
Set-up fee for totalized meter data only      \$85.00

<sup>3</sup> The rate applicable for totalized meter data only is not available to new applicants on and after July 1, 2017.

Provision of EPO requires that the standard meter, as determined solely by Company based upon the Customer's electrical requirement, have the capability of recording electrical consumption information on

a 15-minute interval basis. Additional monthly rates and other charges, as described in Section III below, will apply if the standard meter based upon customer's electrical requirement does not have interval data capability.

### III. MANUALLY READ METERING (MRM)

Customers served under residential Schedules RES, R-TOU or R-TODD or nonresidential Schedule SGS ~~(only without a demand meter)~~ may request metering that either does not utilize radio frequency communications to transmit data, or is otherwise required to be read manually. This service is not available when service is requested in conjunction with any net metering rider. At the Company's option, meters to be read manually may be either an advanced meter with the radio frequency communication capability disabled or other non-communicating meter. The meter manufacturer and model chosen to service the customer's premise are at the discretion of the Company and are subject to change at the Company's option, at any time. Customers choosing this option are responsible for the payment of the rates shown below and will not be eligible for any current or future services or offerings that require the use of an advanced or other communicating meter.

#### Monthly Rate for MRM Service<sup>4</sup>:

- |  |          |
|--|----------|
| 1. Initial Set-up Fee  | \$170.00 |
| 2. Monthly Rate For MRM  | \$14.75  |
| 3. Early Termination Charge (Prior to 12 consecutive months of service only) | \$50.00  |

Upon request, the one-time Initial Set-up Fee may be paid in six installments included as a part of the Customer's first six monthly electric service bills following installation of the manually read meter. The contract term shall be a minimum of 12 months and may be terminated by either party with thirty (30) days written notice. The Company may refuse to provide service under this option under the following conditions: (1) the Customer has a history of meter tampering or unauthorized use of electricity at the current or any prior location, (2) provision of such service creates a safety hazard to consumers or their premises, the public or the electric utility's personnel or facilities, or (3) the customer fails to provide the Company satisfactory access to the Customer's facilities for the purpose of obtaining meter readings or maintaining its equipment.

<sup>4</sup> The Initial Set-up Fee and Monthly Rate shall be waived and not apply for customers providing a notarized statement from a medical physician fully licensed by the North Carolina Medical Board stating that the customer must avoid exposure to radio frequency emissions, to the extent possible, to protect their health. All such statements shall be retained in Company records on a secure and confidential basis. The Company will provide the customer with a medical release form, to identify general enrollment information, and a physician verification statement. At the physician's option, a comparable physician verification statement may be submitted.

### IV. CUSTOMER REQUESTS INSTALLATION OF NON-STANDARD METERING

Company, in its sole determination, shall establish appropriate meter standards based upon Customer's electrical requirement. If a non-residential customer desires additional meter services that require the installation of a non-standard meter, Company will comply for the following monthly rate and other charges:

Monthly Rate for non-standard meter with interval data capability	\$0. <del>33</del> <u>61</u> per month
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The following fees apply when the non-standard meter will not be remotely read:

Meter Set-up Fee	\$ <del>15.00</del> <u>16.50</u>
Meter Exchange Fee	\$ <del>77.00</del> <u>92.00</u>

A charge shall apply if Customer requests termination prior to 24 consecutive months of operation of a non-standard meter option that provides interval data. The charge shall equal the monthly rate times the sum of 24 minus the number of months the non-standard meter service has been received, not to exceed 24 months.

#### GENERAL

Company agrees to seek Commission approval if it determines that the provision of the meter-related program can no longer be offered due to equipment obsolescence or the availability of a more efficient alternative to provide the same or improved level of service. Company does not guarantee continuous provision of these meter-related programs but shall use reasonable diligence at all times to provide the program without interruption and having used reasonable diligence shall not be liable to Customer for damages, for failure in, or for interruptions or suspension of the same. Company further agrees to provide Customer with at least 30-day advanced notice prior to any changes to their service under this rider.

Service rendered under this Rider is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission. The provisions of this Rider are subject to change upon approval of the North Carolina Utilities Commission.

Supersedes Meter-Related Optional Programs Rider MROP-~~1213~~  
Effective on and after ~~January 23, 2019~~November 29, 2019  
NCUC Docket No. E-2, Sub ~~8341~~1219

Duke Energy Progress, Inc.  
(North Carolina Only)

RR-26

EXCESS DEFERRED INCOME TAX RIDER EDIT-1A

APPLICABILITY

The decremental rate shown below is included in the MONTHLY RATE provision in each residential, general service and lighting schedule. This adjustment reduces rates for excess deferred income taxes associated with House Bill 989, An Act to Simplify the North Carolina Tax Structure and to Reduce Individual and Business Tax Rates. The Commission's order dated May 13, 2014 in Docket No. M-100, Sub 138 required that Excess Deferred Income Taxes associated with a reduced corporate income taxes be credited to income tax expense in a rate case. This rider shall remain in effect for 48 months and shall terminate and no longer be applicable for service on and after March 16, 2022.

MONTHLY RATE

Effective for service rendered on and after ~~March 16, 2018~~ November 29, 2019 the applicable kilowatt hour rider amount including revenue-related taxes and regulatory fees is a decrement of ~~0.1140.094¢~~ per kilowatt hour.

Effective for service rendered on and after ~~March 16, 2018~~ November 29, 2019  
NCUC Docket No. E-2, Sub ~~11421219~~



EXCESS DEFERRED INCOME TAX RIDER EDIT-2

APPLICABILITY

The decremental rate shown below is included in the MONTHLY RATE provision in each residential, general service and lighting schedule. This adjustment includes a credit to return to customers savings associated with Excess Deferred Income Taxes resulting from the North Carolina Income Tax Rates in House Bill 989, An Act to Simplify the North Carolina Tax Structure and to Reduce Individual and Business Tax Rates. This adjustment also reduces billing rates for savings realized with The Federal Tax Cuts and Jobs Act that reduced corporate federal income tax rates from 35% to 21% effective January 1, 2018. These federal savings include a credit for deferred revenue associated with the lower tax rate and a credit for excess deferred income taxes. This adjustment shall be updated effective December 1 annually.

MONTHLY RATE

Effective for service rendered on and after November 29, 2019, the decremental rate for the appropriate rate class, including revenue-related taxes and regulatory fees, shall be as shown in the following table:

Rate Class	Applicable Schedules	Billing Rate (¢/kWh)
Residential	RES, R-TOUD, R-TOU	(0.00430)
General Service (Small)	SGS, SGS-TOUE	(0.00443)
General Service (Constant Load)	SGS-TOU-CLR	(0.00440)
General Service (Medium)	MGS, SGS-TOU, GS-TES, APH-TES, CSE, CSG, CH-TOUE	(0.00247)
General Service (Large)	LGS, LGS-TOU, LGS-RTP	(0.00171)
Traffic Signal Service	TSS, TFS	(0.00336)
Outdoor Lighting	ALS, SLS, SLR	(0.01367)
Sports Field Lighting	SFLS	(0.00704)
Seasonal	SI	(0.00424)

Effective for service rendered on and after November 29, 2019  
NCUC Docket No. E-2, Sub 1219

## REGULATORY ASSET AND LIABILITY RIDER RAL-1

### APPLICABILITY

The rate shown below is included in the MONTHLY RATE provision in each residential, general service and lighting schedule. This adjustment recovers from or credits customers for the net over-amortization of regulatory assets or liabilities. This rider shall remain in effect for a fixed 12-month period and shall terminate and no longer be applicable for service on and after November 29, 2020.

### MONTHLY RATE

The applicable kilowatt hour rider amount, including current North Carolina regulatory fees, is a decremental rate of 0.00005¢ per kilowatt hour.

Effective for service rendered on and after November 29, 2019  
NCUC Docket No. E-2, Sub 1219

## ~~STREET~~-OUTDOOR LIGHTING SERVICE REGULATIONS

### 1. SERVICE AGREEMENT

In order to assure certainty and uniformity of conditions, Company will only supply ~~street~~-outdoor lighting service under its uniform Service Agreement, consisting of (1) the Application for ~~Street~~ Lighting Service, (2) the applicable Schedule, and (3) the ~~Street-Outdoor~~ Lighting Service Regulations.

### 2. DEFINITIONS

- (a) Dusk is a period before nightfall and in the illumination of lamps it will be considered as being approximately 30 minutes after sunset.
- (b) Dawn is a period after daybreak and in the illumination of lamps it will be considered as being approximately 30 minutes before sunrise.
- (c) A special ~~street~~-outdoor lighting pole or post is any standard Company-owned pole or post installed as a part of its overhead ~~street~~-lighting system and on which no other Company overhead distribution facilities are installed or a pole or post installed as a part of its underground ~~street~~-lighting system. If another utility or company has overhead conductors or equipment installed on a Company-owned pole or post used by Company only for ~~street~~ lighting, such pole or post will be classified as a special ~~street~~-lighting pole; however, if Company installs its overhead ~~street~~-lighting equipment on a pole or post owned by another utility, such pole or post will not be classified as a special ~~street~~-lighting pole or post.
- (d) A system ~~street~~-lighting pole is a system distribution pole on which Company has attached both ~~street~~ lighting and overhead distribution facilities or a pole installed in conjunction with the ~~street~~ lighting system to which only overhead distribution facilities are attached.
- (e) A system ~~street~~-lighting metal pole is a metal pole, available only under Street Lighting Service Schedule SLS, on which Company has attached both street lighting and overhead distribution facilities or a metal pole installed in conjunction with the street lighting system to which only overhead distribution facilities are attached.

### 3. SERVICE EXTENSIONS

The installation of lighting fixtures or poles shall be in a location that is readily accessible by a Company truck to support installation and maintenance of Company facilities.

### 34. EXTENSIONS AND ADDITIONS

Company will extend its ~~street~~-lighting system to supply additional lighting units at Customer's request and install the additional lighting units insofar as practical, in accordance with good engineering practice, at the locations Customer designates. If any overhead lighting unit is more than 500 feet from the next adjacent lighting unit or Company has to extend its secondary overhead distribution system more than 500 feet, the Customer will make a nonrefundable contribution to Company equal to the estimated installed cost of the new circuit in excess of 500 feet.

### 45. CHANGE IN FIXTURE STYLE, LIGHT SOURCE OR LAMP LUMEN RATING

At Customer's request, Company will, at no cost to Customer, change the fixture, pole or post style or color at the same location provided the facilities to be replaced have been in service for 20 years

or longer and the contract term for the new facilities is extended. The appropriate term shall be as described in the Contract Period paragraph stated in the ~~Street~~applicable Outdoor Lighting Service Schedule. If the facilities to be changed to a different style or color have been in service less than 20 years, Customer shall pay a charge of \$50 if only the fixture is changed or \$500 if the facilities to be changed includes the pole or post. If the request requires a change in the overall lighting design and layout and the fixture or pole are not installed in the same location, in addition to the fixture and pole change charge for an underground installation, Customer shall pay the estimated installed cost of the new underground circuit in excess of 250 feet plus any abnormal construction costs.

## 6. EXTRA FACILITIES

In addition to the MONTHLY RATE stated in the applicable schedule, Customer shall pay a monthly facilities charge when facilities are requested that exceed facilities normally supplied by Company to render lighting service. Customer shall pay a Monthly Facilities Charge of 1.0 percent of the estimated installed cost of the Special Facilities. Special Facilities that are considered to be above normal include, but are not limited to, the following:

- (a) Upon Company review and approval, multiple lighting fixtures may be installed per pole. Special facilities shall be considered as the estimated installed cost of the facilities necessary to serve the multiple fixture installation in excess of that normally required to provide standard outdoor lighting service.
- (b) Special facilities shall include any distribution transformer and/or primary conductor extension.
- (c) For a work request installing an underground circuit, special facilities shall include any conductor length in excess of an average of 250 feet per span. Customer may elect to make a nonrefundable contribution of the estimated installed cost of an underground circuit deemed to be special facilities without being required to pay a monthly facilities charge.
- (d) Special facilities shall include special nonstandard poles and posts not listed in the MONTHLY RATE provision of the applicable schedule.
- (e) For nonstandard fixtures not included in the MONTHLY RATE provision of the applicable schedule, the monthly charge will be the charge in accordance with the MONTHLY RATE and the Special Facilities shall be the difference between the estimated installed cost of the nonstandard fixture and the estimated installed cost of the equivalent standard fixture.
- (f) The cost of a bracket or mast arm in excess of the standard facilities for a given fixture type shall be considered as Special Facilities.

## 7. NONREFUNDABLE CONTRIBUTIONS

- (a) In the event that rock, unstable soil, or other conditions require the use of materials and methods of installation other than Company's normal materials and methods, Customer will contribute the additional cost except when the Service Extension Provision as stated below is applicable.
- (b) Customer will contribute the estimated cost of installing cables under paved or landscaped surface areas; however, Customer may cut and replace the pavement or surface in lieu of making the contribution.
- (c) Service supplied under the MONTHLY RATE in this Schedule does not include the conversion of existing overhead secondary conductors to underground. Should Customer desire such a conversion under this Schedule, Customer will contribute to Company, in addition to the applicable contributions above, the estimated net loss in salvage value of the overhead facilities being removed. The Customer will thereafter pay the applicable rate for underground service.



**58. RELOCATION OF FACILITIES**

If the Company's ~~street~~-lighting facilities are installed within its rights-of-way or easements, upon Customer's request Company will relocate such facilities to a new location within the same general area provided Customer will pay to Company any applicable charge as set forth in the Termination of a Service Agreement paragraph shown below. A new Contract Term shall not be required. If the relocation request involves both lighting and other distribution facilities, the cost of the relocation of all facilities shall be determined pursuant to the Line Extension Plan.

**69. RIGHTS-OF-WAY**

Customer shall furnish, without cost to Company, satisfactory rights-of-way or franchise for Company to install its ~~street~~-lighting circuits and necessary equipment. Customer will be responsible for trimming trees and other vegetation that obstruct the light output from the fixture(s) or maintenance access to the facilities.

**710. CONTINUITY OF SERVICE**

Company will exercise due diligence and reasonable care and foresight to maintain continuity of service as provided in the Service Agreement, but shall not be considered to be in default in respect of any obligation under the Service Agreement if prevented from fulfilling such obligation by reason of uncontrollable forces or by reason of outages of facilities for repair, replacement or inspection, provided due diligence was used to limit such outages, and provided such outages, except in emergencies, were conducted upon a reasonable prearranged schedule; the term "uncontrollable forces" shall be deemed for the purposes of this Agreement to mean earthquake, storm, lightning, flood, backwater caused by flood, fire, epidemic, accident, failure of facilities, war, riot, civil disturbance, strike, labor disturbance, restraint by an order of court or public authority, or other causes beyond the control of Company, which by exercise of due diligence and foresight Company could not reasonably have been expected to avoid. When Company is rendered unable to fulfill any obligation by reason of uncontrollable forces Company will exercise due diligence to remove such disability with reasonable dispatch.

**811. BURNED OUT OR BROKEN LAMPS**

Company will use reasonable diligence to see that all lamps are burning each night but does not guarantee the lamps against burn outs and breakage. Customer will be responsible for notifying Company of any and all lamps which are not burning according to schedule and Company shall have until dusk of two business days following notice to replace the lamps. If Customer has given Company written notice and Company fails to so replace the lamps designated in the notice within such two days, then, upon request by Customer, there shall be a pro rata reduction of the "Monthly Rate" charge per fixture.

When a pro rata reduction of the "Monthly Rate" charges is to be made, the lamp or lamps will be considered as burning until the day on which Company was first notified in writing by Customer and the amount of the "Monthly Rate" charges to be billed will be determined by multiplying the "Monthly Rate" charges by the ratio of the number of days in the month which the lamp actually burned to thirty days.

**12. DAMAGE TO COMPANY FACILITIES**

Customer shall protect Company's wiring, apparatus, lighting fixtures, and poles covered by the Service Agreement from damage or harm. In the event of any loss or damage to such property of Company caused by or arising out of carelessness, neglect, or misuse by Customer, his employees or agents, or vandalism, the cost incurred by Company to repair such facilities shall be paid by Customer.

~~40~~13. CONFLICTS

In case of conflict between any provision of a ~~street~~-lighting schedule and these ~~Street~~ Outdoor Lighting Service Regulations, the provisions of the ~~street~~ applicable lighting schedule shall prevail.

~~44~~14. NONSTANDARD FACILITIES

At the request of the Customer the Company may consent to install ~~street~~-lighting facilities, using Company approved equipment, which has not been established as a system standard subject to Customer paying to Company a Monthly Facilities Charge as determined under Company's filed Service Regulations.

The Company may, at its own discretion and without additional cost to Customer, install facilities on an experimental basis without adopting such facilities as standards.

~~42.~~ DELINQUENT BILLS

~~Any bill not paid within 15 days from date of the bill shall be deemed to be delinquent and Company shall have the right at any time thereafter to discontinue the supply of electricity provided that (1) Company has notified Customer to pay any one or all of the delinquent bills and (2) Company has given Customer the required written notice of its intention to discontinue the supply of electricity.~~

~~43~~15. TERMINATION OF A SERVICE AGREEMENT

If Customer desires to terminate all or a portion of the facilities installed pursuant to the Service Agreement, Company will agree to such termination if Company is satisfied that Customer no longer has need for ~~street~~-lighting service. If such termination request occurs before the expiration of the initial contract term, Company will agree to such termination and remove its facilities provided Customer pays an amount of money equal to 40% of the bills which otherwise would have been rendered for the unexpired months of the initial Contract Period.

~~44~~16. AMENDMENT OF A SERVICE AGREEMENT

If and when mutually agreed upon, a lighting unit or pole may be added or removed from the ~~street~~ lighting system or the size of the lamp may be changed. Any change made under this paragraph shall be evidenced by a written memorandum.

If Company extends its general distribution system so as to use special ~~street~~-lighting poles for distribution poles or removes its distribution facilities from a pole used for ~~street~~-lighting purposes, Company shall so notify Customer of the poles affected and appropriate adjustments will be made in the rendering of monthly bills.

~~45~~17. SALES TAX

Any applicable North Carolina Sales Tax shall be added to the charges contained in the Schedules and ~~Street~~ Outdoor Lighting Service Regulations.

Superseding Street Lighting Service Regulations dated ~~June 1, 2013~~ August 1, 2015  
Current Revision Date: ~~August 1, 2015~~ November 29, 2019  
NCUC Docket No. E-2, Sub ~~4076~~ 1219

Duke Energy Progress, LLC  
(North Carolina)

## SERVICE REGULATIONS

### 1. SERVICE AGREEMENT

- (a) Description: The Service Agreement (hereinafter sometimes termed "Agreement") shall consist of (1) Company's form of Application for Supply of Electricity, when signed by Customer and accepted by Company, (2) the applicable Schedule and Riders and (3) these Service Regulations, and all changes, revisions, alterations therein, or substitutions therefor lawfully made; provided that when the requested supply of electricity (1) is for residential uses or (2) is for other uses when the Customer's contract demand (a) is initially not more than 1,000 kW or (b) does not require an increase in Company's facilities when the demand increases above 1,000 kW, and (3) when no extra charges for installation or other special contractual provisions are involved, the Customer's application and the Company's acceptance thereof may be verbal, and in such event the Company's applicable Schedule, Riders and these Service Regulations shall be effective in the same manner as if Company's form of Application for Supply of Electricity had been signed by Customer and accepted by Company. Such a verbal Service Agreement shall be conclusively presumed, when there is no written application by a Customer accepted in writing by Company, if electricity supplied by Company is used by Customer or is used on Customer's premises.
- (b) Application of Service Regulations and Schedules: All Service Agreements in effect at the time of the approval hereof or that may be entered into in the future, are made expressly subject to these Service Regulations, and subject to all applicable Schedules and Riders, and any changes therein, substitutions therefor, or additions thereto lawfully made.
- (c) Selection of Optional Schedules: Where two or more rate schedules and/or riders are available, Company will attempt to assist Customer to a reasonable extent in determining which rate schedule and/or rider to select. It is the Customer's right and responsibility to select the available rate and/or rider. The Company will not assume responsibility for this choice since the control of the electrical usage is under Customer's ultimate control.
- (d) Conflicts: In case of conflict between any provision of a Schedule or Rider and of these Service Regulations, the provision of the Schedule or the Rider shall prevail.
- (e) Transfer of Agreement: A Service Agreement between Company and Customer may be transferred and assigned by Customer to any person, firm, or corporation purchasing or leasing and intending to continue the operation of the plant or business which is being served under such Agreement, subject to the written approval of Company. Company will grant such approval upon being reasonably satisfied that the assignee will fulfill the terms of the Agreement and if, at Company's option, a satisfactory guarantee for the payment of bills is furnished by assignee.
- (f) Suspension of Billing Under Agreement at Customer's Request: If Customer is temporarily unable to take the electricity contracted for due to physical destruction of or damage to his premises, Company will, upon written request of Customer, and for a period reasonably required to replace or repair such premises, suspend billing under the Agreement effective with the beginning of the next ensuing billing period. However, if Customer desires to use electricity in a lesser amount than the minimum provided in the Agreement it will be supplied and billed under Company's Schedule and Riders applicable to his use. The Service Charge and any temporary service charges for electric service to temporary facilities will not be applied when Company's construction costs of such construction do not exceed a reasonable amount or to reestablish permanent electric service. A residential or small nonresidential customer, following the physical destruction of his premises from a natural disaster, may also suspend or terminate area lighting service within the initial contract period without incurring early termination charges.



NCUC Docket No. E-2 Sub W/119 be using less than one-half of Contract Demand during a period of suspended operations for at least three consecutive months but no longer than twelve consecutive months, and upon written request by Customer, the Billing Demand shall be the maximum kW registered during the current billing month under the Schedules and Riders effective for the reduced usage. When Customer's load regularly falls below one-half of his Contract Demand, such operations shall not be considered as suspended operations.

During the initial twelve months of service, Customer's monthly bills will be rendered under the most advantageous available Schedule and Rider, except that once a bill is rendered under the Schedule and Rider(s) specified in the Service Agreement, service will thereafter be provided only under that Schedule and Rider. The Contract Demand will be excluded from the determination of the Billing Demand and Availability provisions of the Schedule during this initial period.

(g) Termination of Agreement at Customer's Request: If Customer desires to terminate the Agreement, Company will agree to such termination if Company is satisfied that Customer no longer has use for electricity at the premises and all bills for electricity previously rendered have been paid, and provided that Customer pays to Company, for standard facilities, a termination charge equal to (1) for Customers served from Company's distribution system the loss in salvage of the facilities used to serve Customer less the greater of (a) 20 percent of the loss in salvage for each full year that such facilities shall have been in service; or (b) 20 percent of each full year's revenue that such facilities shall have been in service; (2) for Customers served from Company's transmission system, the loss in salvage of the facilities used to serve Customer less the greater of (a) 10 percent of the loss in salvage for each full year that such facilities shall have been in service or (b) 10 percent of each full year's revenue that such facilities shall have been in service. Company may waive the foregoing provision if Company has secured or expects to secure from a new occupant or operator of the premises an Agreement satisfactory to Company for the supply of electricity for a term not less than the unexpired portion of Customer's Agreement.

(h) Company's Right to Terminate or Suspend Agreement Company, in addition to all other legal remedies, may either terminate the Agreement or suspend delivery of electricity to Customer for (a) any default or breach of Agreement by Customer, (b) fraudulent or unauthorized use of electricity or use in such manner as to circumvent Company's meter, (c) failure to pay bills when due and payable or failure to restore deposit within the specified period or, (d) in case of a condition on Customer's side of the point of delivery actually known by Company to be, or which Company reasonably anticipates may be, dangerous to life or property. No such termination or suspension, however, will be made by Company without written notice, as required by the state regulatory authority, delivered to Customer personally or by mail, stating in what particular the Agreement has been violated, except that no notice need be given in instances set forth in (b) and (d) above.

Failure of Company to terminate the Agreement or to suspend the delivery of electricity at any time after the occurrence of grounds therefor or to resort to any other legal remedy or to exercise any one or more of such alternative remedies, shall not waive or in any manner affect Company's right later to resort to any one or more of such rights or remedies on account of any such ground then existing or which may subsequently occur.

Any suspension of the delivery of electricity by Company or termination of the Agreement upon any authorized grounds shall in no wise operate to relieve Customer of his liability to pay for electricity supplied, nor shall it relieve Customer (1) of his liability for the payment of minimum monthly charges during the period of suspension, nor (2) of his liability for damages, if the Agreement has been terminated, in the amount of (a) the minimum monthly charges which would have been payable during the unexpired term of the Agreement, plus (b) the termination charges provided for in paragraph 1(g) above. Whenever the supply of electricity is suspended for any authorized reason, Company will make a charge of ~~\$19.00~~12.94 for the restoration of service made during the normal business hours of Company's office or ~~\$55.00~~19.48 for the restoration of service made during all other hours.



(a) Company is not obligated to supply electricity to Customer unless and until: (1) Company's form of Application for Supply of Electricity is executed by Customer and accepted by Company; (2) in cases where it is necessary to cross private property to deliver electricity to Customer, Customer conveys or causes to be conveyed to Company, without cost to Company, a right-of-way easement, satisfactory to Company, across such private property for the construction, maintenance, and operation of Company's lines and facilities, necessary to the delivery of electricity by Company to Customer, provided, however, in the absence of a formal conveyance, Company, nevertheless, shall be vested with an easement over Customer's premises authorizing it to do all things necessary to the construction, maintenance, and operation of its lines and facilities for such purpose; (3) any inspection certificates or permits that may be required by law in the local area are furnished to Company.

(b) If Company installs a substation or other facilities for service to Customer, any available capacity of such facilities not needed to supply Customer may be used by Company to supply others.

(c) Company may refuse to furnish electric service to any Applicant, or Customer, who at the time is indebted to Company for electric service previously supplied to such Applicant or Customer or business, in any area served by Company, except that an applicant for residential service shall not be denied service for failure to pay such bills for classes of nonresidential service.

(d) If electricity is supplied by lines which cross the lands of the United States of America, a state, or any agency or subdivision of the United States of America or of a state, Company shall have the right, upon 30 days written notice, to discontinue the supply of electricity to any Customer or Customers receiving electricity from such lines, if and when (1) Company is required by governmental authority to incur expense in the relocation or the reconstruction underground of any portion of said lines, unless Company is reimbursed for such expense by Customer or Customers served therefrom, or (2) the right of Company to maintain and operate said lines shall be terminated, revoked, or denied by governmental authority for any reason.

### 3. SERVICE CHARGE

When Company first supplies electricity under any applicable metered Schedule, Customer shall pay Company a service charge of ~~\$17.00~~\$2.14, except a Landlord Agreement Customer shall pay a service charge of ~~\$5.35~~\$2.00, which shall be in addition to all other charges under the Service Agreement. This service charge shall become a part of the first bill rendered thereafter to Customer for electricity supplied at such premises unless it is paid in advance of the rendition of such bill.

### 4. RETURNED CHECK CHARGE

In conformity with an Order of the North Carolina Utilities Commission, Company will make a charge of \$5.00 for checks tendered on a Customer's account and returned for insufficient funds. Such charge shall apply regardless of when the check is tendered.

### 5. DEPOSITS

The collection of Customer deposits shall be as provided in Chapter 12 of the Rules and Regulations of the North Carolina Utilities Commission establishing uniform rules for all public utilities for the collection of Customer deposits.

Electricity shall be supplied directly to Customer by Company and shall be used by Customer only for the purposes specified in, and in accordance with, the Agreement. Electricity supplied by Company shall be for Customer's use only and may not be sold directly on a metered or unmetered basis by Customer to lessees, tenants or others, except as provided for in G.S. 62-110(h) and Chapter 22 of the Commission's Rules regarding resale of electricity by landlords to residential tenants, or as may be exempt from regulation under G.S. 62-3(23)(d) and (h). Under no circumstances may Customer or other person or concern install or maintain any meter for the purposes of metering electricity with the object of rendering a bill therefor unless authorized by G.S. 62-3(23)(d) and (h).

A Customer who desires electricity for more than one classification of use on the same premises shall execute a separate Agreement for each separate classification, Customer's wiring being so arranged that electricity for each separate classification can be metered separately. When Customer conducts a business in his residence, for which business electricity is used, Company will supply all electricity through one meter under the Schedule applicable to the classification for his business use, unless Customer's wiring is so arranged that his residential use and his business use can be separately metered, in which event the appropriate Schedule will be applied to each such use.

In the event Customer utilizes a form of load control, such controls shall not cause a demand to be placed on Company's facilities which, in Company's opinion, unreasonably exceeds the integrated metered demand. Company reserves the right to determine the maximum 15-minute demand on a rolling time interval rather than the time interval of the metering facility in order to reflect the effect of any such controlled demand. The rolling time interval may or may not coincide with a time interval, if any, being supplied to Customer.

Customer shall not without the written assent of Company connect his installation to lines which cross over or under any public or semi-public space in order to supply electricity purchased through one meter to his adjacent properties. Such written assent may be given only in instances where such adjacent properties are operated as one integral unit under the same name and proprietorship and for carrying on parts of the same business, and where a separate type of business is not involved.

## 7. CONTRACT DEMAND

(a) The Contract Demand shall be the kW of demand specified in the Service Agreement. In cases where any change is required in Company's facilities due to the actual demand exceeding the Contract Demand or due to Customer requesting an increase in available capacity, Company may require Customer to execute a new Agreement or amend an existing Agreement, thereby establishing a new Contract Demand. If Company is unable to supply such actual or requested increase, then upon written request, Customer will not exceed the existing Contract Demand or such amount in excess thereof as Company determines it is able to provide.

(b) If Customer desires to reduce the effective Contract Demand at any time prior to the time the Billing Demand of the applicable Schedule first equals or exceeds the Contract Demand, Company may agree to reduce the Contract Demand to the number of kilowatts specified in writing by Customer provided Customer pays to Company a sum of money equal to the estimated cost (after deducting the then value of usable materials and facilities and the salvage value of nonusable materials and facilities) of installing and removing the existing facilities in place for serving Customer, plus any money spent by Company which would not have been spent if Customer had originally requested the reduced Contract Demand less 10% (20% if Customer is served from Company's distribution system) for each full year such facilities shall have been in service. The agreed upon reduction shall be effective with the beginning of the next ensuing billing period.

Customer's maximum 15-minute demand of the preceding 12 billing months and to amend the Service Agreement to such maximum demand. If Customer desires that Company not change its facilities, Company may agree to do so provided Customer executes a Service Agreement for the amount such facilities were installed to serve.

- (c) If Customer increases his load without adequate notice to Company, and without receiving Company's consent, and such unauthorized increase causes loss of or damage to Company's facilities, the cost of making good such loss or repairing such damage shall be paid by Customer.

## 8. LOW POWER FACTOR ADJUSTMENT

Customer shall at all times maintain a power factor at the point of delivery as nearly 100% as practicable; however, if Customer's power factor is found to be less than 85%, Company will increase the monthly bill by a sum equal to \$0.32 multiplied by the difference between the maximum reactive kilovolt - amperes (kVAr) registered or computed by a demand meter suitable for measuring the demands used during any 15-minute interval and 62% of the maximum kW demand registered in the current billing month.

## 9. BILLING

- (a) Company's meters will be read as nearly as practicable at regular intervals of not less than 27 days and not more than 33 days. By special contract, Company and Customer may agree to billing intervals exceeding the 27-33 day period provided that Company renders 3 monthly bills per quarter. (By special order of the regulatory agencies bimonthly reading is permitted under certain conditions.)
- (b) If Company is unable to read Customer's meter for any reason, his use may be estimated by Company on the basis of his use during the next preceding billing period for which readings were obtained, unless some unusual condition is known to exist. A bill rendered on the basis of such estimate shall be as valid as if made from actual meter readings.

- (c) The term "Month" or "Monthly" as used in Company's Schedules and Riders refers to the interval transpiring between the previous meter reading date and the current reading date and bills shall be rendered accordingly, except that if the period covered by an initial or final bill or due to rerouting of meter reading schedule is more or less than 27-33 days, the bill will be prorated based on a 30-day billing month.

## 10. METER TESTING AND METER STOPPAGE OR ERROR

- (a) Upon reasonable notice, when requested in writing by Customer, Company shall test the accuracy of the meter serving Customer. Such testing will be performed free of charge, except when Customer has requested, within the previous twelve months, that the same meter be tested, in which case Customer shall pay Company ~~\$40.00~~\$45.00 for testing a non-demand meter, other than a time-of-use meter, and ~~\$50.00~~\$57.00 for testing a demand or time-of-use meter. This charge shall be refunded or credited to Customer (as a part of the settlement in the case of a disputed account) if the meter is found, when tested, to register more than 2% fast; otherwise the charge shall be retained by Company.
- (b) In the event a meter fails to register accurately within the allowable limits established by the state regulatory body having jurisdiction, Company will adjust the measured usage for the period of time the meter was shown to be in error, and shall, as provided in Rule R8-44 of the Rules and Regulations of the North Carolina Utilities Commission, refund or credit to Customer or Customer shall pay to Company the difference between the amount billed and the estimated amount which would have been billed had the meter not exceeded the allowable limits. No part of any minimum service charge shall be refunded.



The point of delivery is the point where Company's service conductors are, or are to be, connected to Customer's conductors. Customer shall do all things necessary to bring his service conductors to such point of delivery for connection to the Company's service conductors, and he shall maintain his said conductors in good order at all times. Unless otherwise stipulated in the Agreement, the point of delivery shall be located as follows:

- (a) In cases of a connection of Company's overhead service conductors to Customer's overhead service conductors, such point of delivery shall be on the outside of the wall of Customer's building where Company's service conductors may be conveniently extended and anchored.
- (b) In cases of connection of Company's overhead service conductors to Customer's underground service conductors, such point of delivery shall be at a place on Company's nearest pole approximately one foot below the Company's conductors from which Customer is to be supplied.
- (c) In cases of connection of Company's underground service conductors to Customer's service conductors, such point of delivery shall be at a place on the outside wall of Customer's building to which Company's conductors may be conveniently extended and terminated.
- (d) In cases where a ground type substation is installed by Company to supply electricity to Customer, the point of delivery shall be at a place designated by Company.
- (e) In cases where a service entrance panel box was installed by Company on the exterior of the outside wall of Customer's dwelling for the purpose of supplying electricity under Company's All Electric Residential Service Schedule, the point of delivery shall be the point where Customer's conductors are connected to Company's conductors in such panel box.

- (f) In cases where electric wiring was installed by Company in residences or apartment buildings with service entrances of 400 amperes or larger, by connection from Company's overhead service conductors, for the purpose of supplying electricity under Company's All Electric Residential Service Schedule, the point of delivery shall be the point where Company's conductors are connected to the main switch owned by Customer, or the point where Customer's conductors are connected to the meter trough provided for multiple dwelling units if there is not a main switch for all dwelling units.

Where special circumstances render it impracticable for the point of delivery to be located as above stated, then it shall be at a place selected or approved by Company and when so done the Customer shall bring his service conductors to and maintain them at such place.

## 12. INSTALLATIONS

- (a) By Company: Company shall install, own, operate, and maintain all lines and equipment located on its side of the point of delivery. It shall also furnish and install the necessary meter, and meter transformers where necessary, for measuring the electricity used, though such meter will usually be located on Customer's side of the point of delivery.

When Customer requests Company to supply electricity to a single premises in a special manner requiring facilities over and above those normally provided by Company, such extra facilities will be provided, if Company finds it practicable, under the following conditions:

- (1) The facilities will be a kind and type normally used by or acceptable to Company and will be installed at a place and in a manner satisfactory to Company.
- (2) Customer will pay to Company a Monthly Facilities Charge of 1.0 percent of the estimated installed cost and rearrangement cost of all facilities required, including metering, in addition to those Company would have provided, but not less than \$25 per month.



- (3) If Company increases its investment, other than replacement of existing equipment with equipment of equal capacity and kind, in facilities necessary to supply Customer's special electric requirements (including conversion of the primary voltage to a higher voltage), the monthly charge for providing the extra facilities will be adjusted at that time. The Customer may terminate the extra facilities in accordance with the applicable termination provisions or continue the extra facilities under the changed conditions.

- (4) In lieu of the Monthly Facilities Charge of 1.0 percent, Customer may elect to make a contribution for the extra facilities as determined in 12(a)(2) and (3) above. After such payment the Monthly Facilities Charge for the extra facilities will be ~~0-40.3~~ percent of said payment.

- (5) When customer desires more than one point of delivery to a single premises at one or more voltages with a meter installation, acceptable to Company, to obtain the total kilowatt hours and simultaneous kilowatts of demand, Company will furnish such service under the applicable terms and conditions of this Section 12.

Only those points of delivery located external to Customer's plant structure may be included in a totalized metering system arrangement. In case of a primary meter installation, the installed cost of metering equipment will not be included as extra facilities nor will the metering equipment be compensated for line or transformation losses.

- (6) Company shall not be required to make such installation of facilities in addition to those normally provided until Customer has signed such agreements, including provisions for termination, as may be required by Company.

- (7) The cost basis for Extra Facilities provided before March 16, 2018, shall continue to apply until a change in Customer's requirements necessitates a recalculation of the facilities that Company normally would have provided for standard electric service.

- (b) By Customer: Customer shall install, own, operate and maintain all lines, service conductors, meter bases, and equipment, exclusive of Company's meter and meter transformers on Customer's side of the point of delivery and Customer will be the owner and have exclusive control thereof as well as of all electricity after it passes the point of delivery. Customer shall so arrange his wiring that all electricity for one type of use can be supplied at one point of delivery and measured by a single meter. Except under special circumstances, Company's meter will be located on Customer's side of the point of delivery, and when it is to be so located Customer must make suitable provisions in his wiring for the convenient installation of the type of meter Company will use, and at a place suitable to Company. Customer's service entrance conductors shall not be installed within hollow walls unless the conductors are in conduit. Service entrance conductors not installed in conduit must be readily visible on the source side of Company's meter. Where a socket-type meter is to be used, Customer will provide, install at a place suitable to Company, own, and maintain a meter base or meter/switch enclosure to accommodate Company's meter under the following conditions: (1) the meter base or meter/switch enclosure shall be in accordance with Company specifications and bear the seal of approval of UL or other recognized authority in the industry, (2) Customer agrees to allow Company to install, maintain, and exercise exclusive control over all Company-owned facilities located inside Customer-owned meter base or meter/switch enclosure, including termination of Company-owned conductors to the line side terminals of Customer's meter base or meter/switch enclosure, (3) Customer agrees to allow Company to open and inspect the meter base or meter/switch enclosure at any time, and (4) Customer shall notify Company and obtain permission before altering or performing maintenance inside the meter base or metering section of the meter/switch enclosure. Socket-type meter bases furnished by Company prior to January 1, 1991 will continue to be owned by Company until replacement of meter base is necessary, at which time Customer will provide, install at a place suitable to Company, own, and maintain a replacement meter base under the above conditions.

Customer shall coordinate any equipment, appliances, or services which tend to affect adversely Company's supply of service to, or the use of service by, Customer or others. Customer shall not install gaseous discharge lighting with a power factor of less than 90 percent lagging. When polyphase service is supplied by Company, Customer shall control his use so that his load will be maintained in reasonable electrical balance between the phases at the point of delivery. Customer shall install and maintain devices adequate to protect his equipment against irregularities on Company's system, including devices to protect against single phasing.

**Access To Premises:** The duly authorized agents of Company shall have the right of ingress and egress to the premises of Customer at all reasonable hours over the same general route as Customer utilizes for the purpose of reading meters, inspecting Company's wiring and apparatus, changing, exchanging, or repairing its property on the premises of Customer and to remove such property at the time of or at any time after suspension of service or termination of Agreement.

**Protection:** Customer shall protect Company's wiring and apparatus on Customer's premises and shall permit no one but Company's agents to handle same. In the event of any loss or damage to such property of Company caused by or arising out of carelessness, neglect, or misuse by Customer, his employees or agents, the cost of making good such loss or repairing such damage shall be paid by Customer. In cases where Company's service facilities on Customer's premises require abnormal maintenance due to Customer's operation, Customer shall reimburse Company for such abnormal maintenance.

### 13. CONTINUANCE OF SERVICE AND LIABILITY THEREFOR

Company does not guarantee continuous service but shall use reasonable diligence at all times to provide an uninterrupted supply of electricity and having used reasonable diligence shall not be liable to Customer for damage, for failure in, or for interruptions or suspensions of, the same.

Company reserves the right to suspend service without liability on its part at such times and for such periods and in such manner as it may deem advisable (a) for the purpose of making necessary adjustments to, changes in, or repairs on its lines, substations, and facilities and (b) in cases where, in its opinion, the continuance of service to Customer's premises would endanger persons or property.

In the event of an adverse condition or disturbance on the system of Company, or on any other system directly or indirectly interconnected with it, which requires automatic or manual interruption of the supply of electricity to some customers or areas in order to limit the extent or damage of the adverse condition or disturbance, or to prevent damage to generating or transmission facilities, or to expedite restoration of service, Company may, without incurring liability, interrupt service to customers or areas and take such other action as appears reasonably necessary.

Customer assumes responsibility for and shall indemnify, defend, and save the Company harmless against all liability, claims, judgments, losses, costs, and expenses for injury, loss, or damage to persons or property including personal injury or property damage to Customer and his employees on account of defective construction, wiring, or equipment, or improper or careless use of electricity, on Customer's side of the point of delivery.

## 14. GOVERNMENT RESTRICTIONS

The delivery date, quantity, and type of electricity to be supplied by Company are subject to changes, restrictions, curtailments, or complete suspensions by Company as may be deemed by it to be necessary or advisable (a) on account of any lawful order or regulation of any municipal, State, or Federal government or agency thereof, or order of any court of competent jurisdiction, or (b) on account of any emergency or shortage due to war or catastrophe, or during the duration thereof, all without liability on the part of the Company therefor.

~~NSUC E-1 Item 39~~  
~~NCUC E-1 Item 39~~ **IN PREPARING TO SERVE CUSTOMER**

If a prospective customer advises Company that he intends to contract for electric service with Company, and Company incurs costs in preparing to furnish service to him, and thereafter he fails to enter into a written Service Agreement with Company within a reasonable time after the date when he advises Company that he expects to begin receiving service, then such prospective customer shall be liable to Company for all costs reasonably incurred by Company in preparing to serve him, subject to review by the Utilities Commission.

**16. SALES TAX**

Any applicable North Carolina Sales Tax shall be added to the charges contained in the Schedules, Riders, and these Service Regulations.

**17. GENERAL**

- (a) Whenever the term "service" or "electric service" is used in these Service Regulations or other portions of the Agreement, it shall be construed to refer to the electricity supplied to Customer.
- (b) The term "Company's service conductors" means Company's wires extending from the point of connection with Company's supply line to the point of delivery.
- (c) The term "Customer's service conductors" shall mean Customer's wires extending from the point of delivery to the switch box or other point where the branch circuits connect for the purpose of distributing the electricity taken from Company to his various places of use.
- (d) The term "service connection" means the connection of Company's service conductors to Customer's service conductors.

Superseding North Carolina Service Regulations dated March 16, 2018~~August 1, 2015~~  
Revised ~~March 16, 2018~~November 29, 2019  
NCUC Docket No. E-2, Sub ~~H42~~I219

**Oct 30 2019****OFFICIAL COPY**

LINE EXTENSION PLAN E-~~6768~~

I. AVAILABILITY

This line extension plan is applicable to distribution line extensions to all retail service.

II. DEFINITIONS

A. ABNORMAL INSTALLATIONS

Abnormal Installations include the following:

1. Abnormal Construction

Abnormal construction costs are incurred when physical obstacles or adverse conditions preclude the use of Company's standard construction methods, or excessive labor is necessary to install the Company's facilities to serve the Customer. Abnormal Construction includes (but is not limited to) the following conditions: the composition of the land where underground facilities are to be installed is such that Company's standard construction equipment cannot be used to complete the installation, or excessive labor is required to complete the installation; special equipment and materials are needed for stream crossing structures or concrete structures; explosives or other rock breaking measures are required; abrupt changes in final grade levels exceed a slope ratio of one when measured within three feet of the trench; or, cost is incurred to obtain special permits or in order to comply with requirements, if any, of the municipalities, counties, State and Federal highway or environmental agencies or departments regarding the replacement of pavement, ditching, compaction, backfilling, permitting or other related conditions. Also, when it is necessary to install underground facilities under existing streets, sidewalks, patios, or other paved areas, the Customer shall contribute the additional costs to install the Company's facilities had these physical obstructions not been present.

2. Abnormal Design

Abnormal design costs are incurred when the Customer requests facilities or construction methods that exceed the Company's standard engineering design practices and/or the standard design for normal service for a specific Customer.

Where abnormal installation costs are incurred by the Company, the Customer shall, in addition to any other charges contained in this Plan, pay for the excess costs incurred by the Company. Any Company facilities considered by the Company to be extra facilities in accordance with the Company's Service Regulations, Provision 12-(4a) INSTALLATIONS or its successor, shall not be treated as abnormal installation costs in this Line Extension Plan.

B. CONSTRUCTION COST

The Construction Cost is the Company's estimated installed cost based upon either a detailed cost estimate or an average/standardized estimate of constructing all necessary facilities to the point(s) of delivery, including the cost of transformers, materials, labor, metering, transportation, stores, tax, engineering, and general expenses, exclusive of any abnormal installation costs as defined in II.A. above.

When applied to Temporary Service, Construction Service, and electric service to Nonpermanent Manufactured Homes, the Construction Cost shall also include the removal costs minus the salvage value of the facilities. When it is necessary to remove, relocate, or rearrange existing Company facilities, the Construction Cost shall also include the removal cost of existing Company facilities, plus the rearrangement cost of existing Company facilities, minus the salvage value of any existing Company facilities being removed.



C. CONSTRUCTION SERVICE

A Construction Service Customer is a customer whose need is for use in the construction of buildings or other establishments which will receive, upon completion, permanent electric service from the Company.

D. NONPERMANENT MANUFACTURED HOME

A manufactured home shall be considered nonpermanent if it does not meet the following requirements:

1. It must be attached to a permanent foundation;
2. It must be connected to permanent water and sewer facilities;
3. It must be labeled as a structure which can be used as a permanent dwelling; and
4. The owner/occupant must either own the land on which the structure is installed or must have a recorded lease of at least 5 years' duration.

E. NORMAL POINT OF DELIVERY

The Normal Point of Delivery for overhead service to residential customers shall be on the outside wall of the end of the building nearest to the source of the Company's facilities entering the Customer's premises.

The Normal Point of Delivery for service to all other customers shall be at a location designated by the Company.

F. PERMANENT SERVICE

A Permanent Service customer must have on-going year-round electric service needs. For purposes of this Plan, the following types of customers or structures shall not be considered Permanent Service customers: Temporary Service customers, Construction Service customers, Nonpermanent Manufactured Homes, and structures designed or used to provide mobility and/or nonpermanent living accommodations (including, but not limited to, boats, campers, motor homes, and recreational vehicles).

G. REAL ESTATE DEVELOPMENT

A Real Estate Development is a residential subdivision, commercial park, industrial park, mobile home park, apartment complex, planned area development, or other similar type development consisting of four or more contiguous lots recorded with the appropriate County Registry where permanent electric service will be provided to four or more customers.

H. REVENUE CREDIT

The Revenue Credit is equal to three years of estimated annual revenues (five years for the initial extension of distribution facilities to an individual residential dwelling unit other than a Nonpermanent Manufactured Home or any structure classified as a Temporary Service Customer). The estimated annual revenue shall be determined by the Company for the new or additional load and shall be based upon the charges set forth in the applicable rate schedule(s).

I. STANDARD DESIGN

Standard Design means the most cost effective and reliable design using the Company's current engineering design and construction practices which will meet the electrical service requirements of the Customer. The "standard design" which is the most cost effective may be either overhead or underground.

J. TEMPORARY SERVICE

A Temporary Service Customer is any residential or nonresidential customer whose electric service needs will not result in permanent electric service and the Company's facilities installed to serve the Customer shall not be needed to serve other customers in the near future. Customers requesting electric service to vehicles or structures designed or used to provide mobility and/or nonpermanent living accommodations (including, but not limited to, boats, campers, motor

homes, and recreational vehicles), rock crushers, asphalt plants, carnivals, fairs and other nonpermanent installations shall also be classified as Temporary Service Customers.

### III. EXTENSION OF SERVICE

#### A. SINGLE-PHASE SERVICE TO INDIVIDUAL CUSTOMERS

##### 1. Extensions Involving Only Secondary Service

The Company will construct, own, operate, and maintain the overhead service facilities necessary to provide service from an overhead secondary source or an underground service lateral from an underground secondary source to the Normal Point of Delivery to all customer-requested facilities except Nonpermanent Manufactured Homes (see III.A.3. below), Temporary Service Customers (see III.C. below), or Construction Service Customers (see III.D. below) at the Company's expense, except that the Customer shall pay for any abnormal installation costs as determined by the Company. A non-residential Customer shall pay the Construction Cost minus the Revenue Credit (see II.H. above) for the service in excess of five hundred (500) feet.

If the Customer requests an installation other than the standard design and/or for points of delivery other than the Normal Point of Delivery that cause the Company to incur additional costs the customer shall pay such costs.

When it is necessary to relocate the secondary service for the Customer's convenience, the Customer's payment, if any, shall be the Construction Cost minus the Revenue Credit (see II.H. above), plus any abnormal installation costs as determined by the Company.

##### 2. Extensions Involving Primary Distribution Facilities

The Company will construct, own, operate, and maintain all primary distribution facilities necessary to extend single-phase electric service to the Normal Point of Delivery at Company's expense, except as provided below. The Company will provide the secondary service portion of such line extension, if any, in accordance with III.A.1. above.

For the primary portion of a standard design single-phase line extension to all customer-requested facilities except Nonpermanent Manufactured Homes (see III.A.3. below), Temporary Service Customers (see III.C. below), or Construction Service Customers (see III.D. below), the Customer shall pay the amount (if any) by which the Construction Cost exceeds the Revenue Credit (see II.H. above).

If the Customer requests an installation other than the standard design and/or for Points of Delivery other than the Normal Point of Delivery that cause the Company to incur additional costs, the Customer shall pay for such additional cost.

When it is necessary to relocate the primary distribution facilities serving any customer-requested facilities except Nonpermanent Manufactured Homes (see III.A.3. below) or Temporary Service Customers (see III.C. below) for the Customer's convenience, the Customer shall pay the amount by which the Construction Cost exceeds the Revenue Credit (see II.H. above).

##### 3. Service Extensions or Relocations for Nonpermanent Manufactured Homes

The Company shall construct, own, operate, and maintain the single-phase 120/240 volt secondary service to the Normal Point of Delivery necessary to provide service for a Nonpermanent Manufactured Home and the Customer shall pay the total installed cost plus removal cost minus salvage value of the facilities removed plus any abnormal installation costs as determined by the Company.

#### B. THREE-PHASE SERVICE TO INDIVIDUAL CUSTOMERS

##### 1. Extensions Involving Only Secondary Service

The Company will construct, own, operate, and maintain all overhead and/or underground distribution facilities necessary to extend three-phase secondary electric service to the Normal Point of Delivery at the Company's expense, except that the customer shall pay for any estimated abnormal installation costs as determined by the Company. A non-residential Customer shall pay the Construction Cost minus Revenue Credit (see II.H. above) for service in excess of five hundred (500) feet.

If the Customer requests an installation other than the standard design and/or for Points of Delivery other than the Normal Point of Delivery which causes the Company to incur additional costs, the Customer shall pay for such additional cost.

2. Extensions Involving Primary Distribution Facilities

The Company will construct, own, operate, and maintain all primary distribution facilities necessary to extend three-phase service to the Normal Point of Delivery at the Company's expense, except as provided below.

For a standard design three-phase primary line extension to all customer-requested facilities except Temporary Service Customers (see III.C. below) or Construction Service Customers (see III.D. below), the Customer shall pay the amount by which the Construction Cost exceeds the Revenue Credit (see II.H. above).

If the Customer requests an installation other than the standard design and/or for Points of Delivery other than the Normal Point of Delivery that cause the Company to incur additional costs, the Customer shall pay for such additional costs.

C. TEMPORARY SERVICE

For overhead single-phase 120/240 volt secondary service extensions requiring a service drop only, the Customer shall pay an overhead temporary service charge plus a service footage charge of conductor. For up to five feet of underground single-phase 120/240 volt secondary service provided from existing underground facilities, the Customer shall pay an underground temporary service charge. The service charge shall recover Company's cost for extending overhead or underground facilities for a typical installation. For all other types of Temporary Service, including but not limited to installation of transformers, the Customer shall pay for the actual cost of connection and disconnection. The cost shall include the total installed cost plus removal cost less salvage value of the facilities removed.

D. CONSTRUCTION SERVICE

Overhead single-phase 120/240 volt Construction Service requiring a service drop of no more than one hundred feet without the installation of any Company-owned transformers or poles, or an underground single-phase 120/240 volt Construction Service requiring a service lateral of no more than five feet from and existing 120/240 volt source shall be provided at the Company's expense. For all other types of Construction Service, the Customer shall pay the total installed ~~cost~~ plus removal costs less salvage value of the facilities removed.

In addition to any Customer payment for the initial Construction Service, the Customer shall pay for the estimated installed ~~cost~~ plus removal costs minus salvage value of the facilities installed to provide any Construction Service facilities in excess of one point of delivery per permanent building.

E. NEW REAL ESTATE DEVELOPMENTS

1. Residential Developments

At the developer's request, the Company will construct, own, operate, and maintain overhead and/or underground distribution facilities to provide a basic distribution system, normally 120/240 volt single-phase service or as determined by the Company, within the Real Estate Development in which it is contemplated that individual lots will be sold or leased. The developer requesting the basic distribution system shall pay any amount by which the Construction Cost exceeds the estimated Revenue Credit (see II.H.

above) from the development, plus any estimated abnormal installation costs as determined by the Company.

2. Nonresidential Developments and Planned Area Developments

At the developer's request, the Company will construct, own, operate, and maintain overhead and/or underground distribution facilities to provide a basic distribution system within the Real Estate Development in which it is contemplated that individual lots will be sold or leased. The developer requesting the basic distribution system shall pay any amount by which the Construction Cost exceeds the estimated Revenue Credit (see II.H. above) from the development, plus any estimated abnormal installation costs as determined by the Company.

3. Idle Facilities Deposits

The Company may in its discretion limit installation of the Company's electrical facilities in a Real Estate Development to that area which in the Company's judgment is likely to be occupied within a reasonable period of time, in order to avoid excess investment in idle facilities. The developer may obtain installation in the additional area by paying a deposit equal to the total estimated installed cost of the facilities to serve the additional area. In lieu of such deposit and solely at the Company's option, an approved alternative financial instrument, such as an irrevocable standby letter of credit, may be used as security. Idle Facilities Deposits are reviewed annually and will be refunded based on the pro rata portion of the Company's idle facilities needed to serve customers during the preceding 12 months. Any deposit held by the Company for five years or more shall not be refunded.

4. General

In advance of any design work by the Company, the developer of a Real Estate Development shall be responsible for providing to the Company an estimate of electrical loads within the development, and a surveyor's recorded plot plan with premise addresses for each lot. In the case of a mobile home park or multi-family project, the plot plan shall indicate the location of each structure within the development. The developer recognizes and acknowledges that the Company will rely upon such information in sizing and installing the facilities necessary to serve the development.

Each individual customer within the development will be served in accordance with III.A., B., C., or D. above, and shall be subject to any applicable Customer payment obligation.

When the Company's existing facilities within a Real Estate Development must be rearranged and/or abandoned due to any actions of the original owner or developer, or any subsequent owner(s) or developer(s) within the development, the party requesting the changes shall pay: 1) the Construction Cost of relocating the facilities, plus 2) the installed cost plus removal cost less salvage value for any facilities removed or abandoned.

F. CONVERSIONS OF OVERHEAD TO UNDERGROUND SERVICE

The conversion of existing overhead distribution facilities to underground distribution facilities is governed solely by the provisions of this section. Conversions shall be in accordance with the following:

1. Residential Customers

When the Customer requests the Company to replace an existing single phase overhead residential service connection or a secondary and service combination, the Customer shall pay the average/standardized construction cost for a standard installation including the following charges:

- (a) The cost of converting from overhead to underground facilities.



- /A
- (b) A per foot cost per linear foot of underground conductor.

- (c) Any estimated abnormal installation costs as determined by the Company.

If the Customer's load requirements necessitate replacing the overhead secondary or the secondary and service combination, the construction cost of replacing the overhead facilities shall be credited to the Customer. The above charges will not apply and charges will be determined pursuant to Section F.2. below when (1) the Customer requests to undertake certain tasks, as permitted by Section IV.B. (2) when load additions warrant replacement of the overhead facilities and the Customer requests a detailed cost estimate or (3) the Company is required to replace an existing residential overhead connection which involves primary distribution facilities.

## 2. Other Individual Customers

When the Customer requests the Company to replace an existing overhead connection with underground facilities and such change is not the result of an increase in the Customer's electrical requirement that would have necessitated replacing the overhead facilities, the Customer shall pay, based on the Company's estimates:

- (a) The installed cost of the underground facilities, plus
- (b) The costs of removing and rearranging the overhead facilities, plus
- (c) Any abnormal installation costs as determined by the Company, minus
- (d) The salvage value of the overhead facilities

When the Customer's electrical requirement necessitates replacing the overhead facilities serving the Customer, the Customer payment shall be determined in accordance with paragraph III.A., B., C., or D. of this Plan.

## 3. Replacement of General Overhead Distribution Facilities with Underground Facilities

For installations not otherwise covered by other sections of this Plan or rate schedules, or which include more facilities than are covered by other sections of this Plan, the Company shall replace overhead distribution facilities with underground facilities subject to the following conditions:

- (a) The party requesting the conversion shall deposit with the Company the estimated cost of the engineering study necessary to determine the cost of converting to underground facilities. If within one year after the date of the deposit an agreement is reached for converting the distribution facilities to underground facilities, the deposit shall be credited to the contribution required by the requesting party. Should an agreement not be executed within one year, the deposit shall not be refunded or credited to the requesting party.
- (b) The area to be converted shall be the area that the Company considers physically and technically feasible, but normally will not be less than one city block or 1,000 linear feet.
- (c) The party requesting the conversion shall arrange with all customers affected thereby to receive, at locations designated by the Company, electric service of the type and voltage available from the underground system. The area being converted shall be declared an underground area and only underground service will be available within such area. Underground service to future customers within the area shall be provided in accordance with III.A., B., C., D., and E. of this Plan.
- (d) The party requesting the conversion shall pay the estimated cost of underground facilities, plus the cost of removing and rearranging the overhead facilities, less the salvage value of the overhead facilities being removed. If the Company has to rebuild its overhead facilities within the area, such as relocating its facilities due to a street widening, the payment to the Company shall be reduced by the estimated

cost of such work exclusive of the cost of rights of way, clearing, and street lighting.

(c) Street lighting service and conversion to underground facilities shall be in accordance with the Company's filed street lighting schedules.

(f) The party requesting the conversion shall provide the Company the necessary rights of way and clearing thereof, at no cost to the Company, for the installation of the Company's underground facilities. Such rights of way and clearing will include the necessary space for the Company to install any required vaults, pad mounted transformers, or other associated equipment.

(g) The party requesting the conversion shall be responsible for placing all traffic and other control circuits underground.

#### IV. GENERAL

##### A. RIGHTS OF WAY

The Customer will furnish, without cost to the Company, necessary easements and rights of way for the supply of electric service to the Customer.

The location of the Company's transmission lines or right of way easements of the Company for existing or future transmission lines shall not be affected by this Plan or any contract executed thereunder.

The Customer shall be responsible for the initial clearing to final grade, free of stumps and other obstructions, for any right of way necessary to provide underground electric service. When it is necessary to clear the right of way on the Customer's property to provide overhead electric service, the Customer shall be responsible for the removal of all debris resulting from such clearing. In lieu thereof, the Company shall provide such service provided the Customer agrees to pay the Company for any and all estimated clearing costs and any tree debris removal and/or disposal costs.

##### B. PAYMENTS

The Company reserves the right to collect any line extension payments under this Plan before installation of the facilities begins.

The Customer may be allowed to perform certain tasks solely on property owned by Customer in accordance to the Company's specifications to reduce the Customer payments contained herein, provided the Company determines that the Customer's work will not reduce the quality of the installation and maintenance of the facilities to be installed. Such tasks include trenching, right of way clearing for overhead facilities, rock removal, and cutting and replacing pavement and other obstructions that would impede the Company from using normal construction materials and equipment, which the Company determines would not reduce the quality of the installation and maintenance of the facilities to be installed. When the Customer elects to perform such work, the Customer shall be solely responsible for obtaining all necessary permits and for complying with all state and federal laws and regulations.

The Company will only collect payments under this Plan when the total of all contributions, minus all credits, exceeds Company's administrative cost of collecting and processing the payment.

Whenever the Revenue Credit exceeds the Construction Cost, the difference shall always be expressed as zero.

##### C. TYPE OF FACILITIES

The Company shall have the right to install an overhead or underground distribution system at its option. However, if the Customer or developer requests, or a city ordinance or other legal restriction requires that such lines be placed underground rather than overhead, the Customer or developer shall pay for all costs associated with such service pursuant to this Plan. The Company, in reliance upon information provided by the Customer or Developer shall design

the most efficient and cost-effective system to meet the Customer's needs based on the Company's current design and construction practices. The Company's cost calculations shall be based on this standard design for normal service. If the standard design for normal service includes multiple circuits installed in the same trench, the trench footage used in computing the Customer's payment shall be multiplied by the number of circuits installed in the trench.

Normally, the Company does not install overhead facilities in areas served (or contracted to be served) by an underground distribution system. However, where adverse conditions exist which would cause excessive costs to the Company if underground facilities were installed, overhead facilities may be utilized as needed to avoid such excessive costs. Should the Customer or local ordinance require the installation of underground facilities, the Customer shall pay the normal charges for underground service plus the estimated amount by which the cost of providing underground facilities under the adverse conditions exceeds the cost of providing underground facilities under normal conditions.

The Company shall provide electric service, either overhead or underground, at a single point of delivery at one of the Company's standard voltages. The type and location of these facilities shall be in accordance with sound engineering practices as determined by the Company's engineers and any information provided by the Customer.

In areas, where the Company's standard design requires that underground conductors be placed in concrete-encased duct systems, typically designated downtown underground areas, the Company will bear the expense of the concrete-encased duct system on public easements. Where the design to meet the Customer's request requires the concrete-encased duct system to be extended onto private property, the Customer will provide the appropriate concrete-encased duct system to the Company's specifications. Alternatively, the Customer may request that the Company install the concrete-encased duct system and the cost shall be paid to the Company by the Customer.

#### D. OBSTRUCTIONS

The Customer, developer, or other party requesting the Company's distribution facilities to be installed shall remove all obstructions from the route along which the Company's underground facilities are to be installed, and provide continuing access to the Company for operation, maintenance, or replacement of these facilities. The Company shall not be responsible for any damage to any shrubs, trees, grass, or any other foliage or property caused by the Company's equipment during installation, maintenance, or replacement of the Company's facilities. The Customer shall be responsible for all such items, and for reseeding or resodding the trench cover where required. In addition, the Company shall not be responsible for the repair or replacement of underground facilities on the Customer's premises damaged during the installation of the Company's facilities, unless, prior to the Company's construction, the Customer clearly identified the location of such facilities.

The Customer, developer, or other party requesting the Company's distribution facilities to be installed shall install conduit, as specified by the Company, ~~for locations where underground conductors will cross underneath paved areas when paving is to be completed prior to the installation of the Company's underground conductors.~~ If conduit is required and is improperly installed by Customer and therefore results in additional cost to the Company, Customer shall reimburse Company for such costs.

#### V. TAXES

To the above charges will be added any applicable taxes for contributions in aid of construction and any applicable Sales Tax.

Supersedes Line Extension Plan E-6667

Effective Date: ~~March 16, 2018~~ November 29, 2019

NCUC Docket No. E-2, Sub ~~H421~~ 1219

LEP E-~~6867~~

Sheet 8 of 8



Duke Energy Progress, LLC  
(North Carolina)

C-2

## TERMS AND CONDITIONS FOR THE PURCHASE OF ELECTRIC POWER

### 1. PURCHASE POWER AGREEMENT

These "Terms and Conditions" provide a mechanism through which Duke Energy Progress, LLC, hereafter called "Company," will agree to purchase energy or capacity or both from an Eligible Qualifying Facility as defined in the Purchased Power Schedule PP. This Purchase Power Agreement is solely for the purchase of electricity produced by Seller's generation, net of generator auxiliary requirement, and does not provide for the sale of any electric service by Company to Seller.

- (a) Description - The Purchase Power Agreement (hereinafter sometimes termed "Agreement") shall consist of (1) Company's form of Purchase Power Agreement when signed by Seller and accepted by Company, (2) the applicable Schedule for the purchase of electricity as specified in the Purchase Power Agreement, and (3) these Terms and Conditions for the Purchase of Electric Power (hereinafter referred to as "Terms and Conditions"), and all changes, revisions, alterations therein, or substitutions therefor lawfully made.
- (b) Application of Terms and Conditions and Schedules - All Purchase Agreements in effect at the effective date of this tariff or that may be entered into in the future, are made expressly subject to these Terms and Conditions, and subject to all applicable Schedules as specified in the Purchase Power Agreement, and any changes therein, substitutions thereof, or additions thereto lawfully made, provided no change may be made in rates or in essential terms and conditions of this contract except by agreement of the parties to this contract or by order of the state regulatory authority having jurisdiction (hereinafter "Commission").
- (c) Conflicts - In case of conflict between any provision of a Schedule and of these Terms and Conditions, the provision of the Schedule shall prevail.
- (d) Waiver - The failure of either Party to enforce or insist upon compliance with any of the terms or conditions of this Agreement shall not constitute a waiver or relinquishment of any such terms or conditions, but the same shall be and remain at all times in full force and effect.
- (e) Assignment of Agreement - A Purchase Power Agreement between Company and Seller may not be transferred and assigned by Seller to any person, firm, or corporation purchasing or leasing and intending to continue the operation of the plant or business which is interconnected under such Agreement, without the prior written approval of Company. A Purchase Power Agreement shall not be transferred and assigned by Seller to any person, firm, or corporation that is party to any other purchase agreement under which a party sells or seeks to sell power to the Company from another Qualifying Facility that is located within one-half mile, as measured from the electrical generating equipment. Company will not unreasonably withhold consent provided that such assignment does not require any amendment to the terms and conditions of this Agreement, other than the notice provision thereof. Any assignment that Company has not approved in writing shall be null and void and not effective for all purposes. However, before such rights and obligations are assigned, the assignee must first obtain necessary approval from all regulatory bodies including, but not limited to, the Commission.
- (f) Notification of Assignment, Transfer or Sale - In the event of an assignment of the rights and obligations accruing to Seller under this Agreement, or in the event of any contemplated sale, transfer or assignment of the Facility or the Certificate of Public Convenience and Necessity, the Seller shall, in addition to obtaining the approvals hereof, provide a minimum of 30 days prior written notice advising Company and the Commission of any plans for such an assignment, sale or transfer, or of any accompanying significant changes in the information required by Commission Rule R8-64, R9-65 or R8-66 which are incorporated by reference herein.



(g) Suspension of Sales Under Agreement at Seller's Request - If Seller is temporarily unable to produce the electricity contracted for due to physical destruction of, or damage to, his premises, Company will, upon written request of Seller, and for a period Company deems as reasonably required to replace or repair such premises, suspend billing under the Agreement, exclusive of any Monthly Facilities Charges, effective with the beginning of the next sales period.

(h) Termination of Agreement at Seller's Request - If Seller desires to terminate the Agreement, Company will agree to such termination if all bills for services previously rendered to Seller including any termination or other charges applicable under any Interconnection Agreement, plus any applicable termination charges, have been paid. Termination charges shall consist of any applicable termination charges for premature termination of capacity as set forth in paragraphs 4 and 6 of these Terms and Conditions. Company may waive the foregoing provision if Company has secured or expects to secure from a new occupant or operator of the premises an Agreement satisfactory to Company for the delivery of electricity to Company for a term not less than the unexpired portion of Seller's Agreement.

(i) Company's Right to Terminate or Suspend Agreement - Company, in addition to all other legal remedies, may either terminate the Agreement or suspend purchases of electricity from Seller (1) for any default or breach of Agreement by Seller, (2) for fraudulent or unauthorized use of Company's meter, (3) for failure to pay any applicable bills when due and payable, or (4) for a condition on Seller's side of the point of delivery actually known by Company to be, or which Company reasonably anticipates may be, dangerous to life or property. Termination of the contract is at Company's sole option and is only appropriate when Seller either cannot or will not cure its default or if Seller fails to deliver energy to Company for six (6) consecutive months.

No such termination or suspension, however, will be made by Company without written notice delivered to Seller, personally or by mail, stating what in particular in the Agreement has been violated, except that no notice need to be given in instances set forth in 1.(i)(2) above. Company shall give Seller thirty (30) calendar days prior written notice before suspending or terminating the Agreement pursuant to provisions 1.(i)(1) and (3). Company shall give Seller five (5) calendar days prior written notice before suspending or terminating the Agreement pursuant to provision 1.(i)(4).

Failure of Company to terminate the Agreement or to suspend the purchase of electricity at any time after the occurrence of grounds therefor, or to resort to any other legal remedy or to exercise any one or more of such alternative remedies, shall not waive or in any manner affect Company's right later to resort to any one or more of such rights or remedies on account of any such ground then existing or which may subsequently occur.

Any suspension of the purchase of electricity by Company or termination of the Agreement upon any authorized grounds shall in no way operate to relieve Seller of Seller's liability to compensate Company for services and/or facilities supplied, nor shall it relieve Seller (1) of Seller's liability for the payment of minimum monthly charges during the period of suspension, nor (2) of Seller's liability for damages, if the Agreement has been terminated, in the amount of (a) the minimum monthly charges which would have been payable during the unexpired term of the Agreement plus (b) the Early Contract Termination charge as set forth in these Terms and Conditions.

## 2. CONDITIONS OF SERVICE

(a) Company is not obligated to purchase electricity from Seller unless and until: (1) Company's form of Purchase Power Agreement is executed by Seller and accepted by Company; (2) in cases where it is necessary to cross private property to accept delivery of electricity from Seller, Seller conveys or causes to be conveyed to Company, without cost to Company, a right-of-way easement, satisfactory to Company, across such private property which will provide for the construction, maintenance, and operation of Company's lines and facilities, necessary to receive electricity from Seller; provided, however, in the absence of a formal conveyance, Company nevertheless, shall be vested with an easement over Seller's premises authorizing it to do all things necessary including

the construction, maintenance, and operation of its lines and facilities for such purpose; and (3) any inspection certificates or permits that may be required by law in the local area are furnished to Company. Where not required by law, an inspection by a Company-approved inspector shall be made at Seller's expense. In the event Seller is unable to secure such necessary rights of way, Seller shall reimburse Company for all costs Company may incur for the securing of such rights of way.

The obligation of Company in regard to service under the Agreement are dependent upon Company securing and retaining all necessary rights-of-way, privileges, franchises, and permits, for such service. Company shall not be liable to any Seller in the event Company is delayed or prevented from purchasing power by Company failure to secure and retain such rights-of-way, privileges, franchises, and permits.

(b) Seller shall operate its Facility in compliance with all applicable operating guidelines established by the North American Electric Reliability Corporation ("NERC") and the SERC Reliability Corporation ("SERC") or any successor thereto.

(c) Seller shall submit an Interconnection Request as set forth in the North Carolina Interconnection Procedures, Forms and Agreements for State-Jurisdictional Generation Interconnections. Company shall not be required to install facilities to support interconnection of Seller's generation or execute the Purchase Power Agreement until Seller has signed an Interconnection Agreement as set forth in the North Carolina Interconnection Procedures, Forms and Agreements for State-Jurisdictional Generation Interconnections, as may be required by Company.

(d) If electricity is received through lines which cross the lands of the United States of America, a state, or any agency or subdivision of the United States of America or of a state, Company shall have the right, upon 30 days' written notice, to discontinue receiving electricity from any Seller or Sellers interconnected to such lines, if and when (1) Company is required by governmental authority to incur expenses in the relocation or the reconstruction underground of any portion of said lines, unless Company is reimbursed for such expense by Sellers or customers connected thereto, or (2) the right of Company to maintain and operate said lines is terminated, revoked, or denied by governmental authority for any reason.

### 3. DEFINITIONS

(a) Nameplate Capacity: The term "Nameplate Capacity" shall mean the manufacturer's kW<sub>AC</sub> nameplate rated output capability of the generator. For multi-unit generator facilities, the "Nameplate Capacity" of the facility shall be the sum of the individual manufacturer's kW<sub>AC</sub> nameplate rated output capabilities of the generators. For inverted-based generating facilities, the "Nameplate Capacity" shall be the manufacturer's rated kW<sub>AC</sub> output on the inverters.

(b) Net Capacity: The term "Net Capacity" shall mean the Nameplate Capacity of the Seller's generating facilities, less the portion of that capacity needed to serve the generating facilities' Auxiliary Load.

(c) Auxiliary Load: The term "Auxiliary Load" shall mean power used to operate auxiliary equipment in the facility necessary for power generation (such as pumps, blowers, fuel preparation machinery, and exciters).

(d) Whenever the term "purchase" or "purchase of electricity" is used in these Terms and Conditions or other portions of the Agreement, it shall be construed to refer to the electricity supplied to Company by Seller.

(e) The term "Company's conductors" shall mean Company's wires extending from the point of connection with Company's existing electric system to the point of delivery.

- (f) The term "Seller's conductors" shall mean Seller's wires extending from the point of delivery to the switch box or other point where Seller's circuits connect for the purpose of supplying the electricity produced by Seller.

- (g) The term "interconnection" shall mean the connection of Company's conductors to Seller's conductors.

#### 4. CONTRACT CAPACITY

- (a) The Contract Capacity shall be the kW<sub>AC</sub> of capacity specified in the Purchase Power Agreement and shall not exceed the capacity specified in the Seller's Interconnection Agreement. This term shall mean the maximum continuous electrical output capability expressed on an alternating current basis of the generator(s) at any time, at a power factor of approximately unity, without consuming VARs supplied by Company, as measured at the Point of Delivery and shall be the maximum kW<sub>AC</sub> delivered to Company during any billing period. In cases where any change is required in Company's facilities due to the actual capacity delivered exceeding the Contract Capacity or due to Seller requesting an increase in the capacity of Company's facilities, Company may require Seller to execute a new Agreement or amend an existing Agreement, thereby establishing a new Contract Capacity. If Company's facilities cannot be upgraded to accept such actual or requested increase, then upon written notice, Seller shall not exceed the existing Contract Capacity or such amount in excess thereof as Company determine it is able to accept.

- (b) Seller shall not change its generating capacity or contracted estimated annual kWh energy production without adequate notice to Company, and without receiving Company's consent, and if such unauthorized increase causes loss of or damage to Company's facilities, the cost of making good such loss or repairing such damage shall be paid by Seller.

- (c) Company may require that a new Contract Capacity be determined when it reasonably appears that the capacity of Seller's generating facility will deviate from contracted or established levels for any reason, including, but not limited to, a change in water flow, steam supply, or fuel supply.

- (d) In the event that the Contract Capacity is terminated prior to the completion of the term of the Agreement, the Seller shall pay to Company a penalty as set forth in paragraph 6, below.

#### 5. CONTRACT ENERGY

The Contract Energy specified in the Purchase Power Agreement shall be the estimated total annual kilowatt-hours registered or computed by or from Company's metering facilities for each time period during a continuous 12-month interval.

#### 6. EARLY CONTRACT TERMINATION OR INCREASE IN CONTRACT CAPACITY

If Seller terminates the Agreement or seeks to increase the Contract Capacity prior to the expiration of the initial (or extended) term of the Purchase Agreement:

Early Contract Termination – Seller shall pay to Company the total Energy and/or Capacity credits received in excess of the sum of what would have been received under the Variable Rate for Energy and/or Capacity Credits applicable at the initial term of the contract period and as updated every two years, plus interest. The interest should be the weighted average rate for new debt issued by the Company in the calendar year previous to that in which the Agreement was commenced.

Increase In Contract Capacity – Seller may apply to Company to increase the Contract Capacity during the Contract Period and, upon approval by Company, future Monthly Delivered Capacities shall not exceed the revised Contract Capacity. If such increase in Contract Capacity results in additional costs associated with redesign or a resizing of Company's facilities, such additional costs to Seller shall be determined in accordance with the Interconnection Agreement.

#### 7. CONTRACT RENEWAL



This Agreement shall be subject to renewal for subsequent term(s) at the option of Company on substantially the same terms and provisions and at a rate either (1) mutually agreed upon by the parties negotiating in good faith and taking into consideration the Company's then avoided cost rates and other relevant factors, or (2) set by arbitration.

#### 8. QUALITY OF ENERGY RECEIVED

- (a) Seller has full responsibility for the routine maintenance of his generating and protective equipment to insure that reliable, utility grade electric energy is being delivered to Company.
- (b) Seller's facility shall be operated in such a manner as to generate reactive power as may be reasonably necessary to maintain voltage levels and reactive area support as specified by Company. Any operating requirement is subject to modification or revision if warranted by future changes in the distribution or transmission circuit conditions.
- (c) Seller may operate direct current generators in parallel with Company through a synchronous inverter. The inverter installation shall be designed such that a utility system interruption will result in the removal of the inverter infeed into the Company's system. Harmonics generated by a DC generator-inverter combination must not adversely affect Company's supply of electric service to, or the use of electric service by Company's other customers, and any correction thereof is the full responsibility of Seller.
- (d) In the event Company determines, based on calculations, studies, analyses, monitoring, measurement or observation, that the output of the Facility will cause or is causing the Company to be unable to provide proper voltage levels to its customers, Seller shall be required to comply with a voltage schedule and/or reactive power output schedule as prescribed by Company.
- (e) Seller shall provide Company written notification of any changes to their generation system, support equipment such as inverters, or interconnection facilities and shall provide Company adequate time to review such changes to ensure continued safe interconnection prior to implementation.
- (f) Failure of Seller to comply with either (a), (b), (c), (d) or (e) above will constitute grounds for Company to cease parallel operation with Seller's generation equipment and constitute grounds for termination or suspension of the Agreement as set forth under paragraph 1, above.

#### 9. BILLING

- (a) Meters will be read and bills rendered monthly. Readings are taken each month at intervals of approximately thirty (30) days.
- (b) If Company is unable to read its purchase meter for any reason, Seller's production may be estimated by Company on the basis of Seller's production during the most recent preceding billing period for which readings were obtained, unless some unusual condition is known to exist. A bill or payment rendered on the basis of such estimate shall be as valid as if made from actual meter readings.
- (c) The term "Month" or "Monthly", as used in Company's Schedules and Riders, refers to the period of time between the regular meter readings by the Company, except that if the period covered by an initial or final bill, or due to rerouting of the meter reading schedule, is more 33 or less than 27 days, the bill will be prorated based on a 30-day billing month.
- (d) Payments for capacity and/or energy will be made to Seller based on the rate schedule stated in the Purchase Power Agreement.
- (e) Company reserves the right to set off against any amounts due from the Company to Seller, any amounts which are due from Seller to Company, including, but not limited to, unpaid charges



pursuant to the Interconnection Agreement or past due balances on any accounts Seller has with Company for other services.

#### 10. RECORDS

In addition to the regular meter readings to be taken monthly for billing purposes, Company may require additional meter readings, records, transfer of information, etc. as may be agreed upon by the Parties. Company reserves the right to provide to the Commission or the FERC or any other regulatory body, upon request, information pertaining to this Agreement, including but not limited to: records of the Facility's generation output and Company's purchases thereof (including copies of monthly statements of power purchases and data from load recorders and telemetering installed at the Facility); copies of this Agreement. The Company will not provide any information developed solely by Seller and designated by Seller in writing to be "proprietary" unless required to do so by order of the Commission or the FERC or any other regulatory body or court, in which event, the Company will notify Seller prior to supplying the proprietary information.

Seller shall provide to Company, on a monthly basis within ten (10) days of the meter reading date and in form to be mutually agreed upon by the Parties, information on the Facility's fuel costs (coal, oil natural gas, supplemental firing, etc.), if any, for the power delivered to Company during the preceding month's billing period.

#### 11. METER STOPPAGE OR ERROR

In the event a meter fails to register accurately within the allowable limits established by the state regulatory body having jurisdiction, Company will adjust the measured energy for the period of time the meter was shown to be in error, and shall, as provided in the rules and regulations of the state regulatory body having jurisdiction, pay to Seller, or Seller shall refund to Company, the difference between the amount billed and the estimated amount which would have been billed had the meter accurately registered the kilowatt hours provided by Seller. No part of any minimum service charge shall be refunded.

#### 12. POINT OF DELIVERY

The point of delivery is the point where Company's conductors are, or are to be, connected to Seller's conductors. Seller shall do all things necessary to bring its conductors to such point of delivery for connection to Company's conductors, and shall maintain said conductors in good order at all times. If Seller chooses to deliver power to Company through a point of delivery where Seller presently receives power from Company, then the point of delivery for the purchase of generation shall be the same point as the point of delivery for electric service.

#### 13. INTERCONNECTION FACILITIES

If Seller is not subject to the terms and conditions of the North Carolina Interconnection Procedures, Forms and Agreements for State-Jurisdictional Interconnection, as approved by the Commission in Docket No. E-100, Sub 101, the following conditions shall apply to Interconnection Facilities necessary to deliver Seller's electricity to Company. Otherwise, the terms and conditions of the North Carolina Interconnection Procedures, Forms and Agreements for State-Jurisdictional Interconnection, as approved by the Commission in Docket No. E-100, Sub 101 govern.

(a) By Company: Company shall install, own, operate, maintain, and otherwise furnish all lines and equipment located on its side of the point of delivery to permit parallel operation of the Seller's facilities with the Company's system. It shall also install and own the necessary metering equipment, and meter transformers, where necessary, for measuring the electricity delivered to Company, though such meter may be located on Seller's side of the point of delivery. Interconnection facilities, installed by either Company or Seller, solely for such purpose, include, but are not limited to connection, line extension, transformation, switching equipment, protective relaying, metering, telemetering, communications, and appropriate safety equipment.

Any interconnection facilities installed by Company necessary to receive power from Seller shall be considered additional facilities and shall be provided, if Company finds it practicable, under the following conditions:

- (1) The facilities will be of a kind and type normally used by or acceptable to Company and will be installed at a place and in a manner satisfactory to Company.
- (2) Seller will pay to Company a Monthly Interconnection Facilities Charge of 1.0 percent of the estimated original installed cost and rearrangement cost of all facilities, including metering, required to accept interconnection, but not less than \$25 per month. The monthly charge for the Interconnection Facilities to be provided under this Agreement is subject to the rates, Service Regulations and conditions of the Company as the same are now on file with the Commission and may be changed or modified from time to time upon approval by the Commission. Any such changes or modifications, including those which may result in increased charges for the Interconnection Facilities to be provided by the Company, shall be made a part of this Agreement to the same effect as if fully set forth herein.
- (3) If Company increases its investment, other than replacement of existing equipment with equipment of equal capacity and kind, in interconnection facilities or other special facilities required by Seller (including conversion of the Company's primary voltage to a higher voltage), the Monthly Interconnection Facilities Charge for providing the interconnection facilities will be adjusted at that time. Seller may terminate the interconnection facilities in accordance with the applicable termination paragraph 1 above, or continue the interconnection facilities under the changed conditions.
- (4) In lieu of the Monthly Interconnection Facilities Charge of 1.0 percent, Seller may elect to make a contribution equal to the total interconnection facilities investment, plus associated tax gross-ups. After such payment, the Monthly Interconnection Facilities Charge for the interconnection facilities will be ~~0.40.3~~ percent of said payment.
- (5) The Monthly Interconnection Facilities Charge as determined shall continue regardless of the term of the Agreement until Seller no longer has need for such facilities. In the event Seller's interconnection facilities should be discontinued or terminated in whole or in part, such discontinuation or termination should be calculated in accordance with 1, above.
- (6) Seller's wiring and appurtenant structures shall provide for the location, connection, and installation of Company's standard metering equipment or other equipment deemed necessary by Company for the metering of Seller's electrical output. Company shall, at its expense, be permitted to install, in Seller's wiring or equipment, any special metering devices or equipment as deemed necessary for experimental or monitoring purposes.
- (7) Company shall furnish and install the Interconnection Facilities no later than the date requested by Seller for such installation. Seller's obligation to pay the Interconnection Facilities charges shall begin upon the earlier of (1) completion of the installation but no earlier than the requested in-service date specified in the Interconnection Agreement or (2) the first date when energy is generated and delivered to the Company and such charges shall apply at all times thereafter during the term of this Agreement, whether or not Seller is actually supplying electric power to Company.

- (b) By Seller: Seller shall install, own, operate, and maintain all lines, and equipment, exclusive of Company's meter and meter transformers, on Seller's side of the point of delivery. Seller will be the owner and have the exclusive control of, and responsibility for, all electricity on Seller's side of the point of delivery. Seller must conform to the North Carolina Interconnection Procedures, Forms and Agreements for State-Jurisdictional Generation Interconnections. Seller's wiring shall be arranged such that all electricity generated for sale can be supplied to one point of delivery and measured by a single meter. Company's meter may be located on Seller's side of

the point of delivery, and when it is to be so located, Seller must make suitable provisions in Seller's wiring, at a place suitable to Company, for the convenient installation of the type of meter Company will use. All of Seller's conductors installed on the Company's side of the meter and not installed in conduit must be readily visible.

Seller shall install and maintain devices adequate to protect Seller's equipment against irregularities on Company's system, including devices to protect against single-phasing. Seller shall also install and maintain such devices as may be necessary to automatically disconnect Seller's generating equipment, which is operated in parallel with Company, when service provided by Seller is affected by electrical disturbances on Company's or Seller's systems, or at any time when Company's system is de-energized from its prime source.

(c) Access to Premises: The duly authorized agents of Company shall have the right of ingress and egress to the premises of Seller at all reasonable hours for the purpose of reading meters, inspecting Company's wiring and apparatus, changing, exchanging, or repairing Company's property on the premises of Seller, or removing such property at the time of or at any time after suspension of purchases or termination of this Agreement.

(d) Protection: Seller shall protect Company's wiring and apparatus on Seller's premises and shall permit no one but Company's agents to handle same. In the event of any loss of or damage to such property of Company caused by or arising out of carelessness, neglect, or misuse by Seller or Seller's employees or agents, the cost of making good such loss or repairing such damage shall be paid by Seller. In cases where Company's service facilities on Seller's premises require abnormal maintenance due to Seller's operation, Seller shall reimburse Company for such abnormal maintenance cost.

#### 14. CONTINUANCE OF PURCHASES AND LIABILITY THEREFOR

The Parties do not guarantee continuous service but shall use reasonable diligence at all times to provide for uninterrupted acceptance and supply of electricity. Each party shall at all times use reasonable diligence to provide satisfactory service for the acceptance or supply of electricity, and to remove the cause or causes in the event of failure, interruption, reduction or suspension of service for the acceptance or supply of electricity, but neither Party shall be liable for any loss or damage resulting from such failure, interruption, reduction or suspension of service, nor shall same be a default hereunder, when any interruption of service for the acceptance or supply of electricity is due to any of the following:

(a) An emergency condition or action due to an adverse condition, event, and/or disturbance on Company's system, or on any other system directly or indirectly interconnected with it, which requires automatic or manual interruption of the supply of electricity to some customers or areas or automatic or manual interruption, reduction, or cessation of the acceptance of electricity into Company's electrical system in order to limit the occurrence of or extent or damage of the adverse condition or disturbance to Company's system or capability to reliably provide service in compliance and accordance with prudent practices, regulatory requirements, and/or reliability standards, or to prevent damage to generating or transmission facilities, or to expedite restoration of service, or to effect a reduction in service to compensate for an emergency condition on an interconnected system. An emergency condition or action shall include any circumstance that requires action by the Company to comply with any electric reliability organization or NERC/SERC regulations or standards, including without limitation actions to respond to, prevent, limit, or manage loss or damage to Seller's Facility, reliability impairment, loss or damage to the Company's system, disruption of generation by the Seller, disruption of reliability or service on the Company's system, an abnormal condition on the system, and/or endangerment to human life or safety.

(b) An event or condition of force majeure, as described below.



- (c) Making necessary adjustments to, changes in, or repairs on Company lines, substations, and facilities, and in cases where, in its opinion, the continuance of service from Seller's premises would endanger persons or property.

Seller shall be responsible for promptly taking all actions requested or required by Company to avoid, prevent, or recover from the occurrence and/or imminent occurrence of any emergency condition and in response to any emergency condition or condition of force majeure, including without limitation installing and operating any equipment necessary to take such actions.

Seller shall be responsible for insuring the safe operation of his equipment at all times, and will install and maintain, to Company's satisfaction, the necessary automatic equipment to prevent the back feed of power into, or damage to Company's de-energized system, and shall be subject to immediate disconnection of its equipment from Company's system if Company determines that such equipment is unsafe or adversely affects Company's transmission/distribution system or service to its other customers.

Seller assumes responsibility for and shall indemnify, defend, and save Company harmless against all liability, claims, judgments, losses, costs, and expenses for injury, loss, or damage to persons or property including personal injury or property damage to Seller or Seller's employees on account of defective construction, wiring, or equipment, or improper or careless use of electricity, on Seller's side of the point of delivery.

#### 15. FORCE MAJEURE

Circumstances beyond the reasonable control of a Party which solely cause that Party to experience delay or failure in delivering or receiving electricity or in providing continuous service hereunder, including: acts of God; unusually severe weather conditions; earthquake; strikes or other labor difficulties; war; riots; fire; requirements shall be deemed to be "events or conditions of force majeure". It also includes actions or failures to act on the part of governmental authorities (including the adoption or change in any rule or regulation or environmental constraints lawfully imposed by federal, state or local government bodies), but only if such requirements, actions or failures to act prevent or delay performance; or transportation delays or accidents. Events or conditions of force majeure do not include such circumstances which merely affect the cost of operating the Facility.

Neither Party shall be responsible nor liable for any delay or failure in its performance hereunder due solely to events or conditions of force majeure, provided that:

- (a) The affected Party gives the other Party written notice describing the particulars of the event or condition of force majeure, such notice to be provided within forty-eight (48) hours of the determination by the affected Party that an event or condition of force majeure has occurred, but in no event later than thirty (30) days from the date of the occurrence of the event or condition of force majeure;
- (b) The delay or failure of performance is of no longer duration and of no greater scope than is required by the event or condition of force majeure, provided that in no event shall such delay or failure of performance extend beyond a period of twelve (12) months;
- (c) The affected Party uses its best efforts to remedy its inability to perform;
- (d) When the affected Party is able to resume performance of its obligations under this Agreement, that Party shall give the other Party prompt written notice to that effect; and,
- (e) The event or condition of force majeure was not caused by or connected with any negligent or intentional acts, errors, or omissions, or failure to comply with any law, rule, regulation, order or ordinance, or any breach or default of this Agreement.

#### 16. INSURANCE



Seller shall obtain and retain, for as long as the generation is interconnected with Company's system, either the applicable homeowners insurance policy with liability coverage of at least \$100,000 per occurrence or the applicable comprehensive general liability insurance policy with liability coverage in the amount of at least \$300,000 per occurrence, which protects Seller from claims for bodily injury and/or property damage. This insurance shall be primary for all purposes. Seller shall provide certificates evidencing this coverage as required by Company. Company reserves the right to refuse to establish, or continue the interconnection of Seller's generation with Company's system, if such insurance is not in effect.

#### 17. GOVERNMENTAL RESTRICTIONS

This Agreement is subject to the jurisdiction of those governmental agencies having control over either party or over this Agreement. This Agreement shall not become effective until all required governmental authorizations are obtained. Certification of receipt of all permits and authorizations shall be furnished by Seller to Company upon Company's request. This Agreement shall not become effective unless it and all provisions thereof are authorized and permitted by such governmental agencies without change or conditions.

This Agreement shall at all times be subject to changes by such governmental agencies, and the parties shall be subject to conditions and obligations, as such governmental agencies may, from time to time, direct in the exercise of their jurisdiction, provided no change may be made in rates or in essential terms and conditions of this contract except by agreement of the parties to this contract. Both parties agree to exert their best efforts to comply with all of the applicable rules and regulations of all governmental agencies having control over either party or this Agreement. The parties shall take all reasonable action necessary to secure all required governmental approval of this Agreement in its entirety and without change.

The delivery date, quantity, and type of electricity to be accepted for purchase by Company, from Seller, are subject to changes, restrictions, curtailments, or complete suspensions by Company as may be deemed by it to be necessary or advisable (a) on account of any lawful order or regulation of any municipal, State, or Federal government or agency thereof, or order of any court of competent jurisdiction, or (b) on account of any emergency due to war, or catastrophe, all without liability on the part of the Company therefor.

Supersedes: ~~November 28, 2017~~ March 16, 2018  
Effective: ~~March 16, 2018~~ November 29, 2019  
NCUC Docket No. E-2, Sub ~~1142~~ 1219

Item No. 41

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

☐ **CONFIDENTIAL**☒ **NOT CONFIDENTIAL****Request:**

A list of generation units completed or under construction during the test year. This list should include the capacity, actual or estimated total cost, type of fuel to be utilized, and the in-service or estimated completion date for each unit.

**Response:**

Please see attached file "DEP Rate Case E1-41 Generation Units."



DEP Rate Case  
E1-41 Generation Units

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31,2018**

<b>Generation Unit:</b>	<b>Unit Type:</b>	<b>Fuel Type:</b>	<b>Nominal Capacity (EST):</b>	<b>Total Project Cost (EST)</b>	<b>Commercial Operation Date (EST)</b>
Asheville	Combined Cycle	Natural Gas, Fuel Oil	560 MW	\$822M	December 2019

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 42**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

a. If not included in Item 45, file test year revenues from sale of electricity for each N.C. Retail rate schedule based on:

1. Per book revenues
2. Present rates annualized
3. Proposed rates annualized

For each rate schedule in 42a(1) through 42a(3) above, show separate amounts for: a. Basic rate revenues, b. Other revenues from sales of electricity (facilities charges, etc.)

b. If not shown separately in item 45, file test year operating revenues from sources other than sales of electricity based on:

1. Per book revenues
2. Present rate annualized
3. Proposed rates annualized

Show separate amounts for each operating revenue account included in 42b(1) through 42b(3) above.

c. Provide detailed worksheets showing the calculation of revenues for each N.C. retail rate schedule in 42a and 42b above. Where applicable, show the number of billing units used in the calculations, such as the kWh usage or the kW billing demand, as appropriate, in each rate block (May be combined with Item 39c if desired).

**Response:**

See attached E-1 Item 42 - Rate Design.pdf for response to

E-1 Item 42(a)(2) & (3) is provided in response to E-1 Item 42(c), pages 2-6

E-1 Item 42(b)(2) & (3) is included in response to E-1 Item 42(c), page 50

E-1 Item 42(a)(1) and 42(b)(1) are included in response to E-1 Item 45.



E-1 Item 42 - Rate  
Design.pdf



Form E-1 - Item 42(A) & (B)

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**  
**Twelve Months Ended December 31, 2018**

E-1 Item 42(a)(1) is included in response to E-1 Item 45

E-1 Item 42(a)(2) & (3) is included in response to E-1 Item 42(C), pages 2-6

E-1 Item 42(b)(1) is included in response to E-1 Item 45

E-1 Item 42(b)(2) & (3) is included in response to E-1 Item 42(C), page 50

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**  
**North Carolina Retail Revenues - Impact of Proposed Rates on Base Revenue<sup>1</sup>**

Rate Class	(A)		(B)		(C)		(D)	
	Base Revenue @ Current Rates		Base Revenue @ Proposed Rates		Rate Class Revenue Change		Percentage Change in Base Revenue	
	Per E-1, Item 42(c) Schedule Worksheet		Per E-1, Item 42(c) Schedule Worksheet		(C) = (B) - (A)		(D) = (B) / (A) - 1	
<b>Residential</b>								
1 RES	\$1,668,504,850		\$1,952,631,736		\$284,126,886		17.0%	
2 R-TOUD	\$1,625,518,113		\$1,902,315,522				17.0%	
3 R-TOU	\$37,418,664		\$43,802,019				17.1%	
4 R-TOU	\$5,568,073		\$6,514,194				17.0%	
5								
<b>Small General Service</b>								
6 SGS	\$212,085,786		\$248,600,538		\$36,514,752		17.2%	
7 SGS-TOUE	\$211,676,126		\$248,119,802				17.2%	
8	\$409,659		\$480,735				17.4%	
9								
<b>SGS-TOU Constant Load (SGS-TOU-CLR)</b>								
10	\$3,557,875		\$4,203,714		\$645,839		18.2%	
11								
<b>Medium General Service</b>								
12 MGS	\$810,186,141		\$904,415,380		\$94,229,238		11.6%	
13 SGS-TOU	\$242,725,236		\$269,104,044				10.9%	
14 CH-TOUE	\$564,603,355		\$632,139,757				12.0%	
15 GS-TES	\$1,174,859		\$1,302,556				10.9%	
16 APH-TES	\$1,350,017		\$1,497,693				10.9%	
17 CSE	\$134,507		\$148,394				10.3%	
18 CSE	\$193,825		\$218,128				12.5%	
19 CSG	\$4,341		\$4,808				10.8%	
20								
<b>Large General Service</b>								
21 LGS	\$444,493,679		\$498,829,448		\$54,335,769		12.2%	
22 LGS-TOU	\$76,212,916		\$85,529,001				12.2%	
23	\$368,280,763		\$413,300,447				12.2%	
24								
<b>Seasonal and Intermittent Service</b>								
25	\$4,724,718		\$5,112,968		\$388,250		8.2%	
26								
<b>Traffic Signal Service (TSS)</b>								
27 TSS	\$437,675		\$502,827		\$65,152		14.9%	
28 TFS	\$402,826		\$462,788				14.9%	
29	\$34,848		\$40,039				14.9%	
30								

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**  
**North Carolina Retail Revenues - Impact of Proposed Rates on Base Revenue<sup>1</sup>**

Rate Class	(A)	(B)	(C)	(D)
	Base Revenue @ Current Rates	Base Revenue @ Proposed Rates	Rate Class Revenue Change	Percentage Change in Base Revenue
	<i>Per E-1, Item 42(c) Schedule Worksheet</i>	<i>Per E-1, Item 42(c) Schedule Worksheet</i>	<i>(C) = (B) - (A)</i>	<i>(D) = (B) / (A) - 1</i>
<b>Outdoor Lighting</b>				
31 ALS	\$88,687,542	\$97,932,338	\$9,244,796	10.4%
32 SLS	\$62,407,901	\$68,915,069		10.4%
33 SLR	\$20,292,383	\$22,410,958		10.4%
34 SLR	\$5,987,258	\$6,606,311		10.3%
35				
36 <b>Sports Field Lighting Service</b>	\$202,461	\$221,199	\$18,738	9.3%
37				
38 <b>North Carolina Retail Tariff Revenue</b>	\$3,232,880,726	\$3,712,450,147	\$479,569,421	14.8%

<sup>1</sup> Base Revenues excludes revenues received under the 12/2018 Fuel EMF, DSM, EE, EDIT-1, Fuel EMF Deficiency and Joint Agency Asset clause rates.

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**

**North Carolina Retail Revenues - Adjustments to Base Revenue to Derive Total Revenue**

Rate Class	ADJUSTMENTS TO BASE REVENUES										(H)	(I)
	(A)	(B)	(C)	(D)	(E)			(F)	(G)			
					Demand-Side	Excess Deferred	Fuel Deficiency					
Base Revenue @ Current Rates	Base Revenue @ Proposed Rates	12/2016 Fuel EIMF Revenue	Energy Efficiency Rider Revenue	Management Rider Joint Agency/Asset Revenue	Rider Revenue	Income Tax Rider Revenue	Rider Revenue	REPS Clause Revenue <sup>2</sup>	Total Revenue @ Current Rates	Total Revenue @ Proposed Rates		
Per E-1 Item 42(g) Schedule Worksheet	Per E-1 Item 42(g) Schedule Worksheet	Per E-1 Item 42(g) Schedule Worksheet	Per E-1 Item 42(g) Schedule Worksheet	Per E-1 Item 42(g) Schedule Worksheet	Per E-1 Item 42(g) Schedule Worksheet	Per E-1 Item 42(g) Schedule Worksheet	Per E-1 Item 42(g) Schedule Worksheet	Carry-over <sup>(H)</sup>	(A) + Adjustments C-G	(B) + Adjustments C-G		
<b>Residential</b>												
1 RES	\$1,668,504,850	\$1,952,631,736	\$96,155,783	\$107,507,508	\$0	\$73,619,772	\$19,030,832	\$3,672,617	\$20,585,080	\$1,951,014,278	\$2,235,141,164	
2 R-TOD	\$1,625,516,113	\$1,902,315,522	\$93,226,715	\$104,232,646	Comb red	\$17,376,703	\$18,451,121	\$3,560,743	\$20,189,923	\$1,899,653,772	\$2,176,451,131	
3 R-TOU	\$37,418,664	\$43,802,019	\$2,605,051	\$2,912,591	Comb red	\$1,994,492	\$55,583	\$99,498	\$44,851,325	\$51,234,611	\$51,234,611	
4 R-TOU	\$5,568,073	\$6,514,194	\$324,018	\$362,270	Comb red	\$248,076	\$54,129	\$12,376	\$6,509,231	\$7,455,352	\$7,455,352	
<b>Small General Service</b>												
6 SGS	\$212,085,786	\$248,600,538	\$7,083,565	\$15,786,479	\$866,125	\$9,587,398	\$2,194,706	\$1,001,094	\$14,053,301	\$258,279,062	\$294,793,814	
7 SGS	\$21,676,126	\$248,119,802	\$7,071,152	\$15,758,473	\$864,588	\$9,570,390	\$2,190,812	\$999,318	\$14,016,162	\$257,765,397	\$294,208,073	
8 SGS-TOU	\$409,659	\$480,735	\$12,432	\$28,007	\$1,537	\$17,009	\$3,894	\$1,776	\$47,139	\$513,665	\$584,742	
9 SGS-TOU Constant Load (SGS-TOU-CLR)	\$3,557,875	\$4,203,714	\$115,403	\$259,975	\$14,267	\$157,887	\$36,143	\$16,486	\$564,372	\$4,650,123	\$5,295,962	
<b>Medium General Service</b>												
11 MGS	\$810,186,141	\$904,415,380	\$38,425,259	\$67,749,824	\$3,347,488	\$39,468,364	\$12,771,077	\$7,617,836	\$4,168,693	\$592,192,527	\$1,046,427,766	
12 MGS	\$242,725,236	\$269,104,044	\$9,488,979	\$20,408,246	\$1,118,434	\$14,979,786	\$1,881,197	\$1,867,755	\$289,315,860	\$315,694,668	\$315,694,668	
13 SGS-TOU	\$564,603,355	\$632,139,757	\$28,819,620	\$41,093,194	\$2,215,422	\$24,393,426	\$5,713,511	\$2,276,509	\$659,536,494	\$772,072,866	\$772,072,866	
14 CH-TOLUE	\$1,174,859	\$1,302,556	\$29,925	\$71,540	\$3,926	\$32,455	\$5,933	\$19,876	\$1,328,567	\$1,456,264	\$1,456,264	
15 GS-TES	\$1,350,017	\$1,487,693	\$74,841	\$165,356	\$9,074	\$57,746	\$14,837	\$374	\$1,789,048	\$1,641,372	\$1,789,048	
16 APH-TES	\$134,507	\$148,394	\$7,086	\$0	\$2,355	\$5,735	\$1,405	\$0	\$146,378	\$160,264	\$160,264	
17 CSE	\$193,825	\$218,128	\$4,721	\$11,287	\$619	\$5,121	\$936	\$4,083	\$219,024	\$243,327	\$243,327	
18 CSG	\$4,341	\$4,808	\$88	\$211	\$12	\$96	\$29	\$17	\$4,831	\$5,298	\$5,298	
<b>Large General Service</b>												
21 LGS	\$444,493,679	\$498,829,448	\$87,793,517	\$3,252,863	\$174,037	\$21,788,548	\$168,996	\$135,213	\$548,174,071	\$602,509,840	\$602,509,840	
22 LGS	\$76,212,916	\$85,529,001	\$11,947,698	\$1,300,025	\$62,288	\$3,566,184	\$1,310,912	\$22,998	\$48,972	\$91,850,169	\$101,166,254	
23 LGS-TOU	\$368,280,763	\$413,300,447	\$75,845,819	\$1,952,838	\$111,749	\$18,222,264	\$8,321,870	\$145,998	\$86,241	\$456,323,902	\$501,343,586	
24 Seasonal and Intermittent Service	\$4,724,718	\$5,112,968	\$147,048	\$33,001	\$18,131	\$192,491	\$48,873	\$29,152	\$44,208	\$5,437,876	\$5,826,126	
<b>Traffic Signal Service (TSS)</b>												
27 TSS	\$457,675	\$502,827	\$17,360	\$39,108	\$2,146	\$11,303	\$5,437	\$2,480	\$54,606	\$559,241	\$624,394	
28 TSS	\$402,826	\$462,788	\$16,712	\$37,649	\$2,066	\$10,831	\$5,234	\$2,387	\$44,783	\$512,071	\$572,033	
29 TSS	\$34,848	\$40,039	\$648	\$1,460	\$80	\$422	\$203	\$93	\$9,823	\$47,170	\$52,361	
<b>Outdoor Lighting</b>												
31	\$88,687,542	\$97,932,338	\$3,124,744	\$336,309	\$0	\$0	\$40,055	\$162,233	\$1,435,954	\$93,020,261	\$102,265,057	
32 ALS	\$62,407,901	\$68,915,069	\$2,371,877	\$251,676	\$0	\$0	\$305,185	\$123,145	\$1,318,341	\$66,921,465	\$72,428,633	
33 SLS	\$20,292,383	\$22,410,958	\$614,712	\$69,040	\$0	\$0	\$79,094	\$31,915	\$117,136	\$20,962,262	\$23,100,837	
34 SLR	\$5,987,258	\$6,606,311	\$138,155	\$15,593	\$0	\$0	\$17,776	\$7,173	\$477	\$6,116,534	\$6,735,587	
35 Sports Field Lighting Service	\$202,461	\$221,199	\$10,131	\$1,048	\$0	\$0	\$1,304	\$526	\$5,118	\$216,929	\$235,667	
36 North Carolina Retail Tariff Revenue	\$3,232,880,726	\$3,712,450,147	\$232,872,831	\$189,264,116	\$4,422,193	\$144,825,264	\$12,345,902	\$41,056,544	\$3,813,544,368	\$4,293,113,789	\$4,293,113,789	

<sup>1</sup> Total Revenues includes revenues received under the 12/2018 Fuel EIMF, DSM, EE, EDIT-1, Fuel EIMF Deficiency and Joint Agency/Asset clause rates and reflects DSM/EE Opt-Out Credits.

<sup>2</sup> REPS revenue is billed at the account level and therefore isn't included in schedule rates. Its calculated as the 2018 annual customer count per CIM Report RMCRRY9 billed at rates approved December 1, 2018.



**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**  
**North Carolina Retail Revenues - Impact of Proposed Rates on Total Revenue<sup>1</sup>**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Rate Class	Total Revenue @ Current Rates <small>Per E-1, Item 42(c) Schedule Worksheet</small>	REPS Clause Revenue <sup>2</sup> <small>Calculated</small>	Total Revenue w/ REPS @ Current Rates <small>(C) = (A) - (B)</small>	Total Revenue @ Proposed Rates <small>Per E-1, Item 42(c) Schedule Worksheet</small>	Total Revenue w/ REPS @ Proposed Rates <small>(E) = (D) - (B)</small>	Rate Class Revenue Change <small>(F) = (E) - (C)</small>	Percentage Change in Total Revenue <small>(G) = (E)/(C) - 1</small>
<b>Residential</b>							
1 RES	\$1,930,429,197	\$20,585,080	\$1,951,014,278	\$2,214,556,084	\$2,235,141,164	\$284,126,886	14.6%
2 R-TOUN	\$1,879,463,799	\$20,189,923	\$1,899,653,722	\$2,156,261,209	\$2,176,451,131		14.6%
3 R-TOUN	\$44,514,714	\$336,611	\$44,851,325	\$50,898,069	\$51,234,680		14.2%
4 R-TOUN	\$6,450,684	\$58,547	\$6,509,231	\$7,396,806	\$7,455,352		14.5%
<b>Small General Service</b>							
6 SGS	\$244,215,762	\$14,063,301	\$258,279,062	\$280,730,514	\$294,793,814	\$36,514,752	14.1%
7 SGS	\$243,749,235	\$14,016,162	\$257,765,397	\$280,192,911	\$294,209,073		14.1%
8 SGS-TOUN	\$466,526	\$47,139	\$513,665	\$537,603	\$584,742		13.8%
<b>SGS-TOUN Constant Load (SGS-TOUN-CLR)</b>							
10	\$4,085,751	\$564,372	\$4,650,123	\$4,731,590	\$5,295,962	\$645,839	13.9%
<b>Medium General Service</b>							
12 MGS	\$948,023,835	\$4,168,693	\$952,192,527	\$1,042,253,073	\$1,046,421,766	\$94,229,238	9.9%
13 SGS-TOUN	\$287,448,106	\$1,867,755	\$289,315,860	\$313,826,914	\$315,694,668		9.1%
14 CH-TOUN	\$657,259,986	\$2,276,509	\$659,536,494	\$724,796,387	\$727,072,896		10.2%
15 GS-TES	\$1,308,691	\$19,876	\$1,328,567	\$1,436,388	\$1,456,264		9.6%
16 APH-TES	\$1,640,998	\$374	\$1,641,372	\$1,788,674	\$1,789,048		9.0%
17 CSE	\$146,378	\$0	\$146,378	\$160,264	\$160,264		9.5%
18 CSG	\$214,941	\$4,083	\$219,024	\$239,327	\$243,327		11.1%
19	\$4,735	\$96	\$4,831	\$5,202	\$5,298		9.7%
<b>Large General Service</b>							
21 LGS	\$548,038,858	\$135,213	\$548,174,071	\$602,374,627	\$602,509,840	\$54,335,769	9.9%
22 LGS-TOUN	\$91,801,197	\$48,972	\$91,850,169	\$101,117,282	\$101,166,254		10.1%
23	\$456,237,661	\$86,241	\$456,323,902	\$501,257,345	\$501,343,586		9.9%
<b>Seasonal and Intermittent Service</b>							
24	\$5,393,668	\$44,208	\$5,437,876	\$5,781,918	\$5,826,126	\$388,250	7.1%
<b>Traffic Signal Service (TSS)</b>							
26 TSS	\$504,636	\$54,606	\$559,241	\$569,788	\$624,394	\$65,152	11.7%
27 TFS	\$467,288	\$44,783	\$512,071	\$527,250	\$572,033		11.7%
28	\$37,348	\$9,823	\$47,170	\$42,538	\$52,361		11.0%

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**  
**North Carolina Retail Revenues - Impact of Proposed Rates on Total Revenue<sup>1</sup>**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Rate Class	Total Revenue @ Current Rates	REPS Clause Revenue <sup>2</sup>	Total Revenue w/ REPS @ Current Rates	Total Revenue @ Proposed Rates	Total Revenue w/ REPS @ Proposed Rates	Rate Class Revenue Change	Percentage Change in Total Revenue
	<i>Per E-1, Item 42(c) Schedule Worksheet</i>	<i>Calculated</i>	(C) = (A) - (B)	<i>Per E-1, Item 42(c) Schedule Worksheet</i>	(E) = (D) - (B)	(F) = (E) - (C)	(G) = (E) / (C) - 1
<b>Outdoor Lighting</b>							
31 ALS	\$91,584,307	\$1,435,954	\$93,020,261	\$100,829,103	\$102,265,057	\$9,244,796	9.9%
32 SLS	\$64,603,124	\$1,318,341	\$65,921,465	\$71,110,292	\$72,428,633		9.9%
33 SLS	\$20,865,126	\$117,136	\$20,982,262	\$22,983,701	\$23,100,837		10.1%
34 SLR	\$6,116,057	\$477	\$6,116,534	\$6,735,110	\$6,735,587		10.1%
35							
36 <b>Sports Field Lighting Service</b>	\$211,811	\$5,118	\$216,929	\$230,548	\$235,667	\$18,738	8.6%
37							
38 <b>North Carolina Retail Tariff Revenue</b>	<b>\$3,772,487,824</b>	<b>\$41,056,544</b>	<b>\$3,813,544,368</b>	<b>\$4,252,057,245</b>	<b>\$4,293,113,789</b>	<b>\$479,569,421</b>	<b>12.6%</b>

<sup>1</sup> Total Revenues includes revenues received under the 12/2018 Fuel EMF, DSM, EE, EDIT-1, Fuel EMF, Deficiency and Joint Agency Asset clause rates and reflect DSM/EE Opt-Out Credits.

<sup>2</sup> REPS revenue is billed at the account level and therefore isn't included in schedule rates. Its calculated as the 2018 annual customer count per CIM Report RMCRCY9 billed at rates approved December 1, 2018.

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule RES

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
1	Basic Customer Charge	COUNT	14,144,164	\$14.00	\$198,018,296	\$198,018,296	0.0%
2	SUMMER (July-Oct. Bills) Energy Charges	KWH	5,592,204,738	\$0.10817	\$604,908,787	\$706,407,303	16.8%
3	NONSUMMER (Nov.-June Bills) Energy Charges	KWH	10,592,988,772	\$0.10344	\$1,096,738,759	\$1,274,336,549	16.3%
4	Rate Schedule Revenue Three Phase Charge	COUNT	14,861	\$7.00	\$104,027	\$104,027	0.0%
5	Rate Schedule Revenue				\$1,898,769,868	\$2,178,866,175	
6	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$1,896,207,631	\$1,896,207,631	\$2,175,925,970	
7	Plus Rider Revenues (See Worksheets: Rider RECD)			(\$16,743,832)	(\$16,743,832)	(\$19,664,762)	
8	Plus EE/DSM Opt-Out Credit		0	(\$0,00644)	(\$0,00644)	\$0	
9	TOTAL REVENUE, Adjusted for Service Riders			\$1,879,463,799	\$1,879,463,799	\$2,156,261,209	14.7%
10	Remove Current Clause Revenue Adjustments						
11	Approved Fuel EMF Rider	KWH	16,185,193,510	\$0.00576	\$93,226,715	\$93,226,715	
12	DSM/EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	16,185,193,510	\$0.00644	\$104,232,646	\$104,232,646	
13	Rider JAA Revenue	KWH	16,185,193,510	\$0.00441	\$71,376,703	\$71,376,703	
14	Rider EDIT Revenue	KWH	16,185,193,510	(\$0.00114)	(\$18,451,121)	(\$18,451,121)	
15	Fuel Deficiency Rider FED	KWH	16,185,193,510	\$0.00022	\$3,560,743	\$3,560,743	
16	Rider EDIT -2 Revenue		16,185,193,510	\$0.00000	\$0	(\$0,000430)	
17	Rider RAL -1 Revenue		16,185,193,510	\$0.00000	\$0	(\$0,00005)	
18	Total Adjustments			\$253,945,686	\$253,945,686	\$253,945,686	
19	BASE REVENUE, Excluding All Clauses			\$1,625,518,113	\$1,625,518,113	\$1,902,315,522	
20	Proposed Change in BASE REVENUES			\$276,797,409	\$276,797,409	\$276,797,409	17.0%
21							
22	Annual Revenue at Current Rates			\$1,898,769,868			
23	Plus Rider Revenues (See Worksheets: Rider RECD)			(\$16,743,832)			
24	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)			\$106,929,862			
25	Impact of 1/18 EE Rate Change	KWH	1,136,487,082	(\$1,886,569)			
26	Impact of 1/18 DSM Rate Change	KWH	1,136,487,082	\$0			
27	Impact of 3/16/18 Rate Case			\$30,343,089			
28	Impact of 6/18 Fuel Deficiency Rider	KWH	6,801,131,288	\$10,881,810			
29	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	4,252,640,519	(\$2,168,947)			
30	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	15,524,306,572	\$70,014,623			
31	Impact of 12/18 JAA Rate Change	KWH	15,524,305,746	(\$5,433,507)			
32	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	16,185,193,510	\$5,179,262			
33	Less 2018 EE Opt-Out Revenue (Source: RMCRV4E, RMCRV4E CIM Reports)	DOLLARS		\$0			
34	Less 2018 DSM Opt-Out Revenue (Source: RMCRV4D, RMCRV6D CIM Reports)	DOLLARS		\$0			
35	Adjusted Annual Revenue Based upon Rate Determinants			\$1,775,096,174			
36	Book Revenues (Source: RMC1Y)			\$1,772,700,825			
37	Spread Factor (Adjusted Annual Revenue/Book Revenue)			100.14%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	
(\$0.00166)	effective 11/12/2018
\$0.00000	effective 11/12/2018
Varies	effective 3/16/18
\$0.00160	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00451	effective 12/1/2018
(\$0.00035)	effective 12/1/2018
\$0.00032	effective 11/2019

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

### North Carolina Schedule R-T0UD

1	On-peak	Basic Customer Charge	COUNT	237,828	\$16.85	\$4,007,402	\$16.85	\$4,007,402	0.0%
2	Off-peak	Energy Charges	KWH	166,746,727	\$0.07569	\$12,621,060	\$0.08763	\$14,612,016	15.8%
3	SUMMER (June-Sept Calendar)	Energy Charges	KWH	286,519,033	\$0.06129	\$17,499,462	\$0.07096	\$20,260,431	15.8%
4	NONSUMMER (Oct-May Calendar)	Demand Charges	KW	778,057	\$4.88	\$3,796,917	\$5.65	\$4,396,021	15.8%
5		Demand Charges	KW	1,790,113	\$3.90	\$6,981,441	\$4.52	\$8,091,311	15.9%
6		Three Phase Charge	COUNT	382	\$7.00	\$2,674	\$7.00	\$2,674	0.0%
7	Rate Schedule Revenue								
8	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)								
9	Plus Rider Revenues (See Worksheets: Rider RECD)								
10	Plus EE/DSM Opt-Out Credit								
11	TOTAL REVENUE, Adjusted for Service Riders				0	(\$0.00644)			
12	Remove Current Clause Revenue Adjustments								
13	Approved Fuel EMF Rider	KWH	452,265,760	\$0.00576	\$2,605,051	\$0.00576	\$2,605,051		
14	DSM/EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	452,265,760	\$0.00644	\$2,912,591	\$0.00644	\$2,912,591		
15	Rider JAA Revenue	KWH	452,265,760	\$0.00441	\$1,994,492	\$0.00441	\$1,994,492		
16	Rider EDT Revenue	KWH	452,265,760	(\$0.00114)	(\$515,583)	(\$0.00114)	(\$515,583)		
17	Fuel Deficiency Rider FED	KWH	452,265,760	\$0.00022	\$99,498	\$0.00022	\$99,498		
18	Rider EDT-2 Revenue		452,265,760	\$0.00000	\$0	(\$0.00430)			
19	Rider RAL-1 Revenue		452,265,760	\$0.00000	\$0	(\$0.00005)			
20	Total Adjustments			\$7,096,050		\$7,096,050			
21	BASE REVENUE, Excluding All Clauses			\$37,418,664		\$43,802,019			
22	Proposed Change in BASE REVENUES					\$6,383,355	17.1%		
23									
24	Spread Factor Calculation								
25	Annual Revenue at Current Rates								
26	Plus Rider Revenues (See Worksheets: Rider RECD)								
27	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)								
28	Impact of 1/18 EE Rate Change		KWH	33,235,151	Revenue Impact	(\$55,170)		\$44,908,955	
29	Impact of 1/18 DSM Rate Change		KWH	33,235,151	\$0			(\$781,602)	
30	Impact of 3/16/18 Rate Case				\$302,594				
31	Impact of 6/18 Fuel Deficiency Rider		KWH	197,000,554	\$315,201				
32	Impact of 9/18 JRR Recovery Rider (expired/reverse)		KWH	-115,933,975	(\$59,126)				
33	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change		KWH	433,516,401	\$1,955,159				
34	impact of 12/18 JAA Rate Change		KWH	433,516,366	(\$151,731)				
35	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change			452,265,760	\$144,725				
36	Less 2018 EE Opt-Out Revenue (Source: RMCR/VE, RMCR/VE CIM Reports)		DOLLARS		\$0				
37	Less 2018 DSM Opt-Out Revenue (Source: RMCR/VD, RMCR/VD CIM Reports)		DOLLARS		\$0				
38	Adjusted Annual Revenue Based upon Rate Determinants								
39	Book Revenues (Source: RMCIY)								
40	Spread Factor (Adjusted Annual Revenue/Book Revenue)								

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	
(\$0.00766)	effective 11/2018
\$0.00000	effective 11/2018
Varies	effective 3/16/18
\$0.00160	effective 6/12018
\$0.00051	effective 9/12018
\$0.00451	effective 12/12018
(\$0.00035)	effective 12/12018
\$0.00032	effective 11/2019



Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule R-TOU

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	ALL	Basic Customer Charge					
2	SUMMER On-peak (June-Sept Calendar)	COUNT	41,200	\$16.85	\$694,220	\$16.85	0.0%
3	NONSUMMER On-peak (Oct.-May Calendar)	KWH	3,718,946	\$0.23904	\$888,977	\$0.29295	22.6%
4	SUMMER Shoulder (June-Sept Calendar)	KWH	4,113,748	\$0.22753	\$936,001	\$0.27830	22.3%
5	NONSUMMER Shoulder (Oct.-May Calendar)	KWH	2,726,969	\$0.12393	\$337,953	\$0.14648	18.2%
6	Off-peak	KWH	5,975,292	\$0.12105	\$723,309	\$0.14282	18.0%
7	ALL	KWH	39,718,179	\$0.07460	\$2,962,976	\$0.08370	12.2%
	Three Phase Charge	COUNT	48	\$7.00	\$336	\$7.00	0.0%
8	Rate Schedule Revenue			\$6,543,772	\$7,506,127		
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$6,542,443	\$7,504,602		
10	Plus Rider Revenues (See Worksheets: Rider RECD)			(\$91,759)	(\$107,796)		
11	Plus EE/DSM Opt-Out Credit		0	(\$0.00644)	\$0		
12	TOTAL REVENUE, Adjusted for Service Riders			\$6,450,684	\$7,396,806		14.7%
13	Remove Current Clause Revenue Adjustments						
14	Approved Fuel EMF Rider	KWH	56,253,134	\$0.00576	\$324,018	\$0.00576	
15	DSM/EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	56,253,134	\$0.00644	\$362,270	\$0.00644	
16	Rider JAA Revenue	KWH	56,253,134	\$0.00441	\$248,076	\$0.00441	
17	Fuel EDIT Revenue	KWH	56,253,134	(\$0.00114)	(\$64,129)	(\$0.00114)	
18	Fuel Deficiency Rider FED	KWH	56,253,134	\$0.00022	\$12,376	\$0.00022	
19	Rider EDIT-2 Revenue		56,253,134	\$0.00000	\$0	(\$0.00430)	
20	Rider RAL-1 Revenue		56,253,134	\$0.00000	\$0	(\$0.00005)	
21	Total Adjustments			\$882,612	\$882,612		
22	BASE REVENUE, Excluding All Clauses			\$5,568,073	\$6,514,194		
23	Proposed Change in BASE REVENUES				\$946,122		17.0%
24							
25	Spread Factor Calculation						
26	Annual Revenue at Current Rates			\$6,543,772			
27	Plus Rider Revenues (See Worksheets: Rider RECD)			(\$91,759)			
28	Less All Rate Adjustments (Fast Year Rate Changes adjusted by Memo Revenue Sales)	Impacted KWH	Revenue Impact				
29	Impact of 1/18 EE Rate Change	KWH	3,978,275	(\$6,604)			
30	Impact of 1/18 DSM Rate Change	KWH	3,978,275	\$0			
31	Impact of 3/16/18 Rate Case			\$87,200			
32	Impact of 6/18 Fuel Deficiency Rider	KWH	23,895,524	\$38,233			
33	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-14,734,164	(\$7,514)			
34	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	53,938,040	\$243,261			
35	Impact of 12/18 JAA Rate Change	KWH	53,938,024	(\$18,878)			
36	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	56,253,134	\$18,001			
37	Less 2018 EE Opt-Out Revenue (Source: RMCRCY4E+RMCRCY6E CIM Reports)	DOLLARS		\$0			
38	Less 2018 DSM Opt-Out Revenue (Source: RMCRCY4D+RMCRCY6D CIM Reports)	DOLLARS		\$0			
39	Adjusted Annual Revenue Based upon Rate Determinants			\$6,098,316			
40	Book Revenues (Source: RMC1Y)			\$6,097,077			
41	Spread Factor (Adjusted Annual Revenue/Book Revenue)			100.02%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates			
(\$0.00166)	effective 1/1/2018		
\$0.00000	effective 1/1/2018		
Varies	effective 3/16/18		
\$0.00160	effective 6/1/2018		
\$0.00051	effective 9/1/2018		
\$0.00451	effective 12/1/2018		
(\$0.00035)	effective 12/1/2018		
\$0.00032	effective 1/1/2019		

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule SGS

1		Basic Customer Charge	COANT	1,904.113	\$21.00	\$39,986.373	\$21.00	\$39,986.373	0.0%
2	BLOCK 1 - FIRST 750 KWH	Energy Charges	KWH	746,756.725	\$0.11496	\$85,947.153	\$0.13580	\$101,409.563	18.1%
3	BLOCK 2 - NEXT 1,250 KWH	Energy Charges	KWH	575,525.209	\$0.09826	\$56,551.107	\$0.11606	\$66,795.456	18.1%
4	BLOCK 3 - ADDITIONAL KWH	Energy Charges	KWH	620,342.371	\$0.09372	\$58,138.487	\$0.11071	\$66,678.104	18.1%
5	Three Phase Charge		COANT	379.391	\$7.00	\$2,655.737	\$7.00	\$2,655.737	0.0%
6	Billed KVAR		KVAR	8,524	\$0.32	\$2,728	\$0.32	\$2,728	0.0%
7	Rate Schedule Revenue					\$243,181.585		\$279,527.960	
8	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)					\$243,981.135		\$280,447.013	
9	Plus Rider Revenues (See Worksheets: Riders 9, SS, & NFS)					\$6,243		\$7,097	
10	Plus Adjustments (See Worksheets: Adjustment Rider NFS)					(\$57,503)		(\$80,560)	
11	Plus EE Opt-Out Credit			20,859.328	(\$0.00820)	(\$171,046)	(\$0.00820)	(\$171,046)	
12	Plus DSM Opt-Out Credit			21,317.115	(\$0.00045)	(\$9,593)	(\$0.00045)	(\$9,593)	
13	TOTAL REVENUE, Adjusted for Service Riders					\$243,749.235		\$280,192.911	15.0%
14	Remove Current Clause Revenue Adjustments								
15	Approved Fuel EMF Rider		KWH	1,942,624.305	\$0.00364	\$7,071.152	\$0.00364	\$7,071.152	
16	EE Revenue (Adjusted for Opt-Out Sales & Revenues)		KWH	1,921,764.977	\$0.00820	\$15,758.473	\$0.00820	\$15,758.473	
17	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)		KWH	1,921,307.190	\$0.00045	\$864.588	\$0.00045	\$864.588	
18	Rider JAA Revenue		KWH	1,921,764.977	\$0.00498	\$9,570.390	\$0.00498	\$9,570.390	
19	Rider EDIT Revenue		KWH	1,921,764.977	(\$0.00114)	(\$2,190.812)	(\$0.00114)	(\$2,190.812)	
20	Fuel Deficiency Rider FED		KWH	1,921,764.977	\$0.00052	\$999.318	\$0.00052	\$999.318	
21	Rider EDIT-2 Revenue			1,921,307.190	\$0.00000	\$0	(\$0.00443)	\$0	
22	Rider RAL-1 Revenue			1,921,764.977	\$0.00000	\$0	(\$0.00005)	\$0	
23	Total Adjustments					\$32,073.109		\$32,073.109	
24	BASE REVENUE, Excluding All Clauses					\$211,676.126		\$248,119.802	
25	Proposed Change in BASE REVENUES							\$36,443.676	17.2%
26									
27	Spread Factor Calculation								
28	Annual Revenue at Current Rates				\$243,181,585				
29	Plus Adjustments (See Worksheets: Adjustment Rider NFS)				(\$51,260)				
30	plus Rider JRR Credit				(\$1,040)				
31	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)			Impacted KWH	Revenue Impact				Rate Changes Impacting Current Rates
32	Impact of 1/18 EE Rate Change		KWH	104,651,684	(\$26.163)				(\$0.0025) effective 11/2018
33	Impact of 1/18 DSM Rate Change		KWH	104,651,684	(\$11,512)				(\$0.0011) effective 11/2018
34	Impact of 3/16/18 Rate Case				\$1,140,578				Varies effective 3/16/18
35	Impact of 6/18 Fuel Deficiency Rider		KWH	764,123.184	\$2,743,202				\$0.00359 effective 6/12018
36	Impact of 9/18 JRR Recovery Rider (expired/reverse)		KWH	-521,623.393	(\$266,028)				\$0.00051 effective 9/12018
37	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change		KWH	1,874,958,740	\$10,743,514				\$0.00573 effective 12/12018
38	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change		KWH	1,874,958,398	(\$824,982)				(\$0.00044) effective 12/12018
39	Less 2018 EE Opt-Out Revenue (Source: RMC/RHE, RMC/RYE, CUI Reports)		DOLLARS	1,942,624,305	\$4,662,298				\$0.00240 effective 11/2019
40	Less 2018 DSM Opt-Out Revenue (Source: RMC/RHE, RMC/RYE, CUI Reports)		DOLLARS		\$8,897				
41	Adjusted Annual Revenue Based upon Rate Determinants					\$224,837,796			
42	Book Revenues (Source: RMC/CY)					\$225,677,034			
43	Spread Factor (Adjusted Annual Revenue/Book Revenue)					99.672290%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates:	
(\$0.00025)	effective 1/1/2018
(\$0.0011)	effective 9/1/2018
Varies	effective 3/16/18
\$0.00359	effective 6/1/2018
\$0.00651	effective 9/1/2018
\$0.00573	effective 12/1/2018
(\$0.00044)	effective 12/1/2018
\$0.00240	effective 1/1/2019

Duke Energy Progress, LLC  
 NCUC Docket No. E-2 Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

### North Carolina Schedule SGS-TOLU

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	COUNT	7,708	\$21.00	\$161,868	\$21.00	\$161,868	0.0%
2	KWH	120,263	\$0.22219	\$26,721	\$0.30840	\$37,089	38.8%
3	KWH	183,004	\$0.20137	\$36,852	\$0.27756	\$50,795	37.8%
4	KWH	113,929	\$0.11810	\$13,455	\$0.15420	\$17,568	30.6%
5	KWH	413,457	\$0.11290	\$46,679	\$0.14649	\$60,567	29.8%
6	KWH	2,584,787	\$0.06605	\$170,725	\$0.07710	\$199,287	16.7%
7	COUNT	1,271	\$7.00	\$8,897	\$7.00	\$8,897	0.0%
8	Rate Schedule Revenue						
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)						
10	Plus Rider Revenues (None)						
11	Plus EE Opt-Out Credit						
12	Plus DSM Opt-Out Credit						
13	TOTAL REVENUE, Adjusted for Service Riders						
14	Remove Current Clause Revenue Adjustments						
15	KWH	3,415,440	\$0.00364	\$12,432	\$0.00364	\$12,432	
16	KWH	3,415,440	\$0.00820	\$28,007	\$0.00820	\$28,007	
17	KWH	3,415,440	\$0.00045	\$1,537	\$0.00045	\$1,537	
18	KWH	3,415,440	\$0.00498	\$17,009	\$0.00498	\$17,009	
19	KWH	3,415,440	(\$0.00114)	(\$3,894)	(\$0.00114)	(\$3,894)	
20	KWH	3,415,440	\$0.00052	\$1,776	\$0.00052	\$1,776	
21	KWH	3,415,440	\$0.00000	\$0	(\$0.00443)	\$0	
22	Rider BAL-1 Revenue						
23	Total Adjustments						
24	BASE REVENUE, Excluding All Clauses						
25	2 Proposed Change in BASE REVENUES						
26							
27	Spread Factor Calculation						
28	Annual Revenue at Current Rates						
29	Plus Rider Revenues (None)						
30	Less All Rate Adjustments (First Year Rate Changes adjusted by Memo Revenue Sales)						
31	KWH	1,968,620	Revenue Impact	\$33,904			
32	KWH	219,540	(\$5)				
33	KWH	219,540	(\$24)				
34	KWH	1,476,524	\$3,321				
35	KWH	1,476,524	\$5,301				
36	KWH	-936,006	(\$477)				
37	KWH	3,297,024	\$18,892				
38	KWH	3,297,024	(\$1,451)				
39	KWH	3,415,440	\$8,197				
40	Less 2018 EE Opt-Out Revenue (Source: RUCY-EE-RMCHVE-CHL Reports)						
41	Less 2018 DSM Opt-Out Revenue (Source: RUCY-DSM-CHRYD-CHL Reports)						
42	Adjusted Annual Revenue Based upon Rate Determinants						
43	Book Revenues (Source: RUC1Y)						
44	Spread Factor (Adjusted Annual Revenue/Book Revenue)						

NOTE: Annual revenue at current rates doesn't include revenue from the REFS Rider.

Rate Changes Impacting Current Rates	
(\$0.00025)	effective 11/20/18
(\$0.00011)	
Varies	effective 3/16/18
\$0.00359	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00573	effective 12/1/2018
(\$0.00044)	effective 11/20/19
\$0.00240	effective 11/20/19

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

### North Carolina Schedule SGS-TOU-CLR

		Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
		Units	Billing Units	11/29/2019	Current Rates	Proposed Rates	in Rate
1	ALL	COUNT	72,541	\$21.00	\$1,523,361	\$21.00	0.0%
2	ALL - Constant Load Only	KWH	31,704,226	\$0.08107	\$2,570,262	\$0.10148	25.2%
3	ALL	COUNT	0	\$7.00	\$0	\$7.00	0.0%
4	Rate Schedule Revenue				\$4,093,623	\$4,740,706	
5	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$4,085,751	\$4,731,590	
6	Plus Rider Revenues (None)		0	\$0	\$0	\$0	
7	Plus EE Opt-Out Credit		0	(\$0.00820)	\$0	\$0	
8	Plus DSM Opt-Out Credit		0	(\$0.00045)	\$0	\$0	
9	TOTAL REVENUE, Adjusted for Service Riders				\$4,085,751	\$4,731,590	15.8%
10	Remove Current Clause Revenue Adjustments						
11	Approved Fuel EMF Rider	KWH	31,704,226	\$0.00364	\$115,403	\$0.00364	
12	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	31,704,226	\$0.00820	\$259,975	\$0.00820	
13	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	31,704,226	\$0.00045	\$14,267	\$0.00045	
14	Rider JAA Revenue	KWH	31,704,226	\$0.00498	\$157,887	\$0.00498	
15	Rider EDIT Revenue	KWH	31,704,226	(\$0.00114)	(\$36,143)	(\$0.00114)	
16	Fuel Deficiency Rider FED	KWH	31,704,226	\$0.00052	\$16,486	\$0.00052	
17	Rider EDIT 2 Revenue		31,704,226	\$0.00000	\$0	(\$0.00440)	
18	Rider RAL 1 Revenue		31,704,226	\$0.00000	\$0	(\$0.00005)	
19	Total Adjustments				\$527,875	\$527,875	
20	BASE REVENUE, Excluding All Clauses				\$3,557,875	\$4,203,714	
21	Proposed Change in BASE REVENUES					\$645,839	18.2%
22							
23	Spread Factor Calculation				\$4,093,623		
24	Annual Revenue at Current Rates				\$0		
25	Plus Rider Revenues (None)				\$0		
26	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)						
27	Impact of 1/18 EE Rate Change	KWH	1,616,571	(\$404)			
28	Impact of 1/18 DSM Rate Change	KWH	1,616,571	(\$178)			
29	Impact of 3/16/16 Rate Case			\$23,297			
30	Impact of 6/18 Fuel Deficiency Rider	KWH	13,235,545	\$47,516			
31	Impact of 9/18 JRR Recovery Rider (expired/revers)	KWH	-8,976,690	(\$4,578)			
32	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	30,515,222	\$174,852			
33	Impact of 12/18 JAA Rate Change	KWH	30,515,222	(\$13,427)			
34	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	31,704,226	\$76,090			
35	Less 2018 EE Opt-Out Revenue (Source: RMC/RY-EE-RMC/RY-EE-OM Reports)	DOLLARS			\$0		
36	Less 2018 DSM Opt-Out Revenue (Source: RMC/RY-DSM-RMC/RY-DSM-OM Reports)	DOLLARS			\$0		
37	Adjusted Annual Revenue Based upon Rate Determinants				\$3,768,454		
38	Book Revenues (Source: RMC1Y)				\$3,781,169		
39	Spread Factor (Adjusted Annual Revenue/Book Revenue)				100.192668%		

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	
(\$0.00025)	effective 1/1/2018
(\$0.0011)	effective 3/16/18
Varies	effective 3/16/18
\$0.00359	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00573	effective 12/1/2018
(\$0.00044)	effective 1/1/2019
\$0.00240	effective 1/1/2019



Duke Energy Progress, LLC  
 NCUC Docket No. E-2 Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

### North Carolina Schedule MGS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	Basic Customer Charge	COUNT	196.465	\$28.50	\$28.50	\$5,599,253	0.0%
2	Energy Charges	KWH	2,766,466,054	\$0.07379	\$294.137,530	\$223,198,481	9.3%
3	Demand Charges	KW	12,803,236	\$6.15	\$78,738,902	\$96,037,747	9.3%
4	Three Phase Charge	COUNT	152,602	\$7.00	\$1,068,214	\$1,068,214	0.0%
5	Billed KYAR	KYAR	196,693	\$0.32	\$62,942	\$62,942	0.0%
6	Rate Schedule Revenue			\$289,607,840	\$315,966,536		
7	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$289,634,665	\$316,214,105		
8	Plus Rider Revenues (See Worksheets: Riders 9, LLC & SS)			\$16,693	\$16,060		
9	Plus EE Opt-Out Credit		277,655,593	(\$0.00820)	(\$2,276,776)	(\$2,276,776)	
10	Plus DSM Opt-Out Credit		281,057,305	(\$0.0045)	(\$1,26,476)	(\$1,26,476)	
11	TOTAL REVENUE, Adjusted for Service Riders			\$287,448,106	\$313,826,914		9.2%
12	Remove Current Clause Revenue Adjustments (Per Rider BA w/ CRT & Reg. Fee)						
13	Approved Fuel EMF Rider	KWH	2,766,466,054	\$0.00343	\$9,488,979	\$9,488,979	
14	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	2,488,810,461	\$0.00820	\$20,408,246	\$20,408,246	
15	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	2,485,403,749	\$0.00045	\$1,118,454	\$1,118,454	
16	Rider JAA Revenue	KW	12,803,236	\$1.17	\$14,979,786	\$14,979,786	
17	Rider EDU Revenue	KWH	2,766,466,054	(\$0.00114)	(\$3,153,771)	(\$3,153,771)	
18	Fuel Deficiency Rider FEE	KWH	2,766,466,054	\$0.00068	\$1,881,197	\$1,881,197	
19	Rider EDU-2 Revenue			\$0.00000	\$0	\$0	
20	Rider P&L-1 Revenue		2,766,466,054	\$0.00000	\$0	\$0	
21	Total Adjustments			\$44,722,870	\$44,722,870		
22	BASE REVENUE, Excluding All Clauses			\$242,725,236	\$268,104,044		
23	Proposed Change in BASE REVENUES				\$26,378,808		10.9%
24	Spread Factor Calculation						
25	Annual Revenue at Current Rates			\$289,607,840			
27	Plus Rider Revenues (See Worksheets: Riders 9, LLC & SS)			\$16,693			
28	Plus Rider JRR Credit			(\$28,577)			
29	Less All Rate Adjustments (Five Year Rate Changes adjusted by Memo Revenue Share)	IMPACTED KWH		\$16,420,045			
30	Impact of 1/18 EE Rate Change	KWH	133,392,262	(\$33,346)			
31	Impact of 1/18 DSM Rate Change	KWH	133,392,262	(\$14,613)			
32	Impact of 3/16/18 Rate Case			(\$885,607)			
33	Impact of 6/18 Fuel Deficiency Rider	KWH	1,071,187,140	\$4,798,918			
34	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-761,151,369	(\$388,187)			
35	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	2,675,785,146	\$0,392,006			
36	Impact of 12/18 JAA Rate Change	KW	12,362,327	(\$0,090,882)			
37	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	2,766,466,054	\$6,639,519			
38	Less 2018 EE Opt-Out Revenue (Source: RUCYR/EE-APPROVE CH/Report)	DOLLARS		\$1,618,536			
39	Less 2018 DSM Opt-Out Revenue (Source: RUCYR/DSM-APPROVE CH/Report)	DOLLARS		\$1,186,694			
40	Adjusted Annual Revenue Based upon Rate Determinants			\$271,442,690			
41	Book Revenues (Source: RUCY)			\$271,655,277			
42	Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.921740%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates

(\$0.0025)	effective 11/2018
(\$0.0011)	effective 11/2018
Varies	effective 3/16/18
\$0.0048	effective 6/1/2018
\$0.0051	effective 9/1/2018
\$0.0051	effective 12/1/2018
(\$0.29)	effective 12/1/2018
\$0.0026	effective 11/2019

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

### North Carolina Schedule SI

		Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
		Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	In Rate
1	BLOCK 1 - FIRST 2,000 KWH	COUNT	7,993	\$28.50	\$227,801	\$28.50	0.0%
2	BLOCK 2 - ADDITIONAL KWH	WHY	8,019,998	\$0.1246	\$1,006,223	\$0.13544	8.4%
3	Energy Charges	WHY	34,851,196	\$0.10371	\$3,614,418	\$0.11241	8.4%
4	Three Phase Charge	COUNT	3,141	\$7.00	\$21,987	\$7.00	0.0%
5	Customer Seasonal Charge	COUNT	2,589	\$41.00	\$105,329	\$41.00	0.0%
6	Facilities Charge	WHY	233,215	\$1.84	\$429,116	\$1.84	0.0%
7	Billed KVAR	KVAR	2,061	\$0.32	\$660	\$0.32	0.0%
8	Rate Schedule Revenue			\$5,401,484	\$5,788,738		
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$5,415,372	\$5,803,623		
10	Plus Rider Revenues (None)			\$0	\$0		
11	Plus EE Opt-Out Credit		2,256,233	(\$0.00820)	(\$20,543)	(\$20,543)	
12	Plus DSM Opt-Out Credit		2,890,993	(\$0.00045)	(\$1,161)	(\$0.00045)	
13	TOTAL REVENUE, Adjusted for Service Riders			\$5,393,668	\$5,781,918		7.2%
14	Remove Current Clause Revenue Adjustments						
15	Approved Fuel EMF Rider	WHY	42,871,154	\$0.00343	\$147,048	\$0.00343	
16	EE Revenue (Adjusted for Opt-Out Status & Revenue)	WHY	40,365,921	\$0.00820	\$331,001	\$0.00820	
17	DSM Revenue (Adjusted for Opt-Out Status & Revenue)	WHY	40,290,161	\$0.00045	\$18,131	\$0.00045	
18	Rider JAA Revenue	WHY	42,871,154	\$0.00449	\$192,491	\$0.00449	
19	Fuel Deficiency Rider FED	WHY	42,871,154	(\$0.00114)	(\$48,873)	(\$0.00114)	
20	Fuel Deficiency Rider FED	WHY	42,871,154	\$0.00068	\$29,152	\$0.00068	
21	Rider EDIT 2 Revenue			\$0	\$0	(\$0.00024)	
22	Rider RAL Revenue			\$0	\$0	(\$0.00005)	
23	Total Adjustments			\$668,950	\$668,950		
24	BASE REVENUE, Excluding All Charges			\$4,724,718	\$5,112,968		
25	Proposed Change in BASE REVENUES			\$389,250	8.2%		
26	Spread Factor Calculation						
27	Annual Revenue at Current Rates			\$5,401,484			
28	Plus Rider Revenues			\$0			
29	Less All Rate Adjustments (Full Year Rate Changes Adjusted by Meter Revenue Status)			\$198,633			
30	Impact of 1/18 EE Rate Change	WHY	537,637	(\$134)			
31	Impact of 1/18 DSM Rate Change	WHY	537,637	(\$59)			
32	Impact of 6/18 Rate Case	WHY	6,966,306	\$32,892			
33	Impact of 6/18 Fuel Deficiency Rider	WHY	-17,052,976	(\$6,697)			
34	Impact of 6/18 JRR Recovery Rider (expected/reverse)	WHY	42,445,910	\$147,932			
35	Impact of 12/18 Fuel Tax and Coal Inventory Rate Change	WHY	42,871,154	\$102,691			
36	Impact of 12/18 JAA Rate Change	WHY			\$14,601		
37	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	DOLLARS			\$1,072		
38	Less 2018 EE Opt-Out Revenue (Source: MACTE-E, MACTE-E/CW Reports)				\$5,187,177		
39	Less 2018 DSM Opt-Out Revenue (Source: MACTE-E, MACTE-E/CW Reports)				\$5,200,515		
40	Adjusted Annual Revenue Based Upon Rate Determinants				\$9,743,289%		
41	Book Revenues (Source: RMC/TV)						
42	Spread Factor (Adjusted Annual Revenue/Book Revenue)						

NOTE: Annual revenue at current rates doesn't include revenue from the RPPS Rider.

Rate Changes Impacting Current Rates	
(\$0.00025)	effective 1/1/2018
(\$0.00011)	effective 1/1/2018
Varies	effective 3/16/18
\$0.00449	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00351	effective 12/1/2018
(\$0.00024)	effective 1/1/2019
\$0.00024	effective 1/1/2019

Duke Energy Progress, LLC  
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 Current and Proposed Billing Units and Revenues

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### North Carolina Schedule SGS-TOU

1	On-peak	COINT	255.341	\$35.50	\$9,064.606	\$35.50	\$9,064.606	0.0%
2	On-peak	Basic Customer Charge	3,383,258.528	\$0.0640	\$218,558.501	\$240,211.355	9.9%	
3	Off-peak	Energy Charges	5,018,962.981	\$0.0523	\$262,742.712	\$0.05754	\$298,791.130	9.9%
4	SUMMER (June-Sept Calendar)	Demand Charges	7,294.229	\$10.53	\$76,808.233	\$11.58	\$84,467.173	10.0%
5	NONSUMMER (Oct-May Calendar)	Demand Charges	13,554.853	\$8.65	\$119,960.452	\$9.73	\$131,888.722	9.9%
6	Off-peak Excess	Demand Charges	539.503	\$1.22	\$658.194	\$1.86	\$998.081	51.6%
7	Minimum Bill	Energy Charges	0	\$0.04941	\$0	\$0.05502	\$0	11.4%
8	Minimum Bill	Demand Charges	0	\$1.22	\$0	\$1.65	\$0	51.6%
9	Minimum Bill	Billed KVAR	237,999	\$0.32	\$76,160	\$0.32	\$76,160	0.0%
10	Rate Schedule Revenue				\$687,863.856	\$755,497.228		
11	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$686,810.972	\$754,335.336		
12	Plus Minimum Bill & Rider Revenues (See Worksheets: MGS Minimum Bill & Riders 9, LLC, SS & WFS)		3,390,857.986	(\$0.00820)	(\$180.376)	(\$188.339)		
13	Plus EE Opt-Out Credit			(\$27,805.032)	(\$27,805.032)			
14	Plus DSM Opt-Out Credit		3,479,060.914	(\$0.0045)	(\$1,565.577)	(\$1,565.577)		
15	TOTAL REVENUE, Adjusted for Service Riders				\$657,259.986	\$724,796.387	10.3%	
16	Remove Current Clause Revenue Adjustments							
17	Approved Fuel EMF Rider	WH1	8,402,221.509	\$0.00343	\$28,819.620	\$0.00343	\$28,819.620	
18	EE Revenue (Adjusted for Opt-Out Status & Revenue)	WH1	5,011,363.923	\$0.00820	\$41,093.184	\$0.00820	\$41,093.184	
19	DSM Revenue (Adjusted for Opt-Out Status & Revenue)	WH1	4,923,160.595	\$0.0045	\$2,215.422	\$0.0045	\$2,215.422	
20	Rider JAA Revenue	WH1	20,849.082	\$1.17	\$24,393.426	\$1.17	\$24,393.426	
21	Rider ED1 Revenue	WH1	8,402,221.509	(\$0.00114)	(\$9,578.533)	(\$0.00114)	(\$9,578.533)	
22	Fuel Deficiency Rider FED	WH1	8,402,221.509	\$0.00068	\$5,713.511	\$0.00068	\$5,713.511	
23	Rider ED1-2 Revenue	WH1	8,402,221.509	\$0.00000	\$0	(\$0.00247)	\$0	
24	Rider RAL-1 Revenue	WH1	8,402,221.509	\$0.00000	\$0	(\$0.00005)	\$0	
25	Total Adjustments				\$92,656.631	\$92,656.631		
26	BASE REVENUE, Excluding All Charges				\$564,603.355	\$632,139.757		
27	Proposed Change in BASE REVENUES				\$67,536.401	12.0%		
28	Spread Factor Calculation							
29	Annual Revenue at Current Rates				\$687,863.856			
30	Plus Minimum Bill & Rider Revenues (See Worksheets: MGS Minimum Bill & Riders 9, LLC, SS, & WFS)				(\$180.376)			
31	plus Rider JRR Credit				(\$180.809)			
32	Less All Rate Adjustments (First Year Rate Changes adjusted by Meter Revenue Sales)				\$54,033.205			
33	Impact of 1/18 EE Rate Change	WH1	435,578.910	(\$109.145)				
34	Impact of 3/18 DSM Rate Change	WH1	435,578.910	(\$48.020)				
35	Impact of 3/18 Fuel Deficiency Rider	WH1	3,298,700.481	(\$116.224)				
36	Impact of 3/18 JRR Recovery Rider (expedited/reverse)	WH1	-2,394,576.152	\$179.178				
37	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	WH1	8,143,810.483	(\$2,594.775)				
38	Impact of 12/18 JAA Rate Change	WH1	20,185.371	(\$5,046.345)				
39	Impact of 1/19 DSMEE & NC Tax Reform Rider Rate Change	WH1	8,402,221.509	\$20,165.332				
40	Less 2018 EE Opt-Out Revenue (Source: RMCCTV)	DOU/LAS		\$1,446,599				
41	Less 2018 DSM Opt-Out Revenue (Source: RMCCTV)	DOU/LAS		\$19,768,750				
42	Adjusted Annual Revenue Based upon Rate Determinants			\$612,259,117				
43	Book Revenues (Source: RMCCTV)			\$611,317,514				
44	Spread Factor (Adjusted Annual Revenue/Book Revenue)			100.154028%				

Rate Changes Impacting Current Rates			
(\$2,000.29)	effective 1/1/2018		
(\$2,000.11)	effective 1/1/2018		
Var/65	effective 6/1/2018		
\$0.00448	effective 6/1/2018		
\$0.00515	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
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\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
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\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
\$0.00251	effective 12/1/2018		
\$0.00251			

NOTE: Annual revenue at current rates doesn't include revenue from the REFS Rider.

Rate Changes Impacting Current Rates	Effective 11/2019
(\$0.0025)	effective 11/2019
(\$0.0011)	effective 3/18/18
(\$0.0048)	effective 9/12/08
\$0.0031	effective 12/12/08
(\$0.25)	effective 11/2019

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### North Carolina Schedule CH-TOUE

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1							
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NOTE: Annual revenue at current rates doesn't include revenue from the RFPs Rider.



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### North Carolina Schedule GS-TES

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	ALL (< 1 MW)						
2	ALL (> 1 MW or greater)						
3	On-peak	36	\$35.50	\$1,278	\$35.50	\$1,278	0.0%
4	Off-peak	24	\$200.00	\$4,800	\$200.00	\$4,800	0.0%
5	SUMMER (June-Sept Calendar)	4,007.197	\$0.05310	\$212,782	\$230.815	\$937,010	8.5%
6	NONSUMMER (Oct-May Calendar)	17,812.403	\$0.00597	\$900,773	\$277.539	\$4,920,539	8.5%
7	On-peak Excess	20,714	\$12.31	\$255,728	\$13.36	\$277,539	8.5%
8	Minimum Bill	23,553	\$11.04	\$259,924	\$260.970	\$6,145,970	11.4%
9	Minimum Bill	12,172	\$1.22	\$14,859	\$23.628	\$286,288	11.4%
10	Minimum Bill	0	\$0.04941	\$0	\$0	\$0	5.16%
11	Blended KVAR	419	\$0.32	\$134	\$0.32	\$134	0.0%
12	Rate Schedule Revenue			\$1,650,000		\$1,796,174	
13	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$1,653,363		\$1,799,836	
14	Plus Rider Revenues (Minimum Bill)			\$1,944		\$3,147	
15	Plus EE Opt-Out Credit			(\$13,564)		(\$13,564)	
16	Plus DSM Opt-Out Credit			(\$744)		(\$744)	
17	TOTAL REVENUE, Adjusted for Service Riders			\$1,640,998		\$1,788,674	9.0%
18	Remove Current Clause Revenue Adjustments						
19	Approved Fuel EMF Rider	21,819.600	\$0.00343	\$74,841	\$0.00343	\$74,841	
20	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	20,165.400	\$0.00820	\$165,356	\$0.00820	\$165,356	
21	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	20,165.400	\$0.00045	\$9,074	\$0.00045	\$9,074	
22	Rider JAA Revenue	44,227	\$1.17	\$51,746	\$1.17	\$51,746	
23	Rider ED1 Revenue	21,819.600	(\$0.00114)	(\$24,874)	(\$0.00114)	(\$24,874)	
24	Fuel Deficiency Rider FED	21,819.600	\$0.00068	\$14,857	\$0.00068	\$14,857	
25	Rider ED1-2 Revenue	21,819.600	\$0.00000	\$0	(\$0.00247)	(\$5,187)	
26	Rider RAL-1 Revenue	21,819.600	\$0.00001	\$0	(\$0.00005)	(\$1,091)	
27	Total Adjustments			\$290,981		\$290,981	
28	BASE REVENUE, Excluding All Charges			\$1,350,017		\$1,497,693	
29	Proposed Change in BASE REVENUES			\$147,676		\$147,676	10.9%
30	Spread Factor Calculation						
31	Annual Revenue at Current Rates			\$1,650,000			
32	Plus Rider Revenues			\$1,944			
33	Less All Rate Adjustments (Year Year Rate Changes adjusted by Meter Revenue Sales)						
34	Impact of 1/18 EE Rate Change	708.075	(\$177)				
35	Impact of 1/18 DSM Rate Change	708.075	(\$5,603)				
36	Impact of 3/16/18 Rate Change						
37	Impact of 6/18 Fuel Deficiency Rider	5,730.200	\$25,671				
38	Impact of 6/18 JAR Recovery Rider (expired/reverse)	-5,985.325	(\$3,653)				
39	Impact of 12/18 Fuel Fed Tax and Coal Inventory Rate Change	21,550.021	\$75,570				
40	Impact of 12/18 JAA Rate Change	43,778	(\$10,946)				
41	Impact of 1/19 DSMEE & MC Tax Reform Rider Rate Change	21,819.600	\$22,367				
42	Less 2018 EE Opt-Out Revenue (Source: RUCRYE-EMCYVE-CHM Reports)			\$9,633			
43	Less 2018 DSM Opt-Out Revenue (Source: RUCRYE-EMCYVE-CHM Reports)			\$663			
44	Adjusted Annual Revenue Based Upon Rate Determinants			\$1,507,874			
45	Book Revenues (Source: RMC1Y)			\$1,510,948			
46	Spread Factor (Adjusted Annual Revenue Book Revenue)			99.796570%			

NOTE: Annual revenue at current rates doesn't include revenue from the REFS Rider.

Rate Changes Instructed Current Dates	Effective 11/2018
(\$0.0025)	effective 11/2018
(\$0.0011)	effective 11/2018
1/6/65	effective 3/16/18
\$0.0048	effective 6/1/2018
\$0.0051	effective 6/1/2018
\$0.0051	effective 12/1/2018
(\$0.25)	effective 12/1/2018
\$0.00240	effective 11/2018

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### North Carolina Schedule APH-TES

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1							
2	On-peak	Basic Customer Charge					
3	Off-peak	Energy Charges	36	\$35.50	\$1,278	\$35.50	0.0%
4	Summer (June-Sept Calendar)	Energy Charges	540,649	\$0.05310	\$28,708	\$31.141	8.5%
5	Nonsummer (Oct-May Calendar)	Energy Charges	1,525,151	\$0.05057	\$77,127	\$0.05485	8.5%
6	Off-peak Excess	Demand Charges	2,002	\$12.31	\$24,639	\$13.36	8.5%
7	Minimum Bill	Demand Charges	2,900	\$11.04	\$32,017	\$34,743	8.5%
8	Minimum Bill	Energy Charges	100	\$1.22	\$122	\$1.65	35.2%
9	Minimum Bill	Demand Charges	0	\$0.4941	\$0	\$0	0.0%
10	Rate Schedule Revenue	Billed KVAR	0	\$0.32	\$0	\$0	0.0%
11	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$163,891	\$177,742		
12	Plus Rider Revenues (Minimum Bill)			\$164,245	\$178,126		
13	Plus EE Off-Out Credit			\$2	\$8		
14	Plus DSM Off-Out Credit			(\$16,940)	(\$16,940)		
15	TOTAL REVENUE, Adjusted for Service Rates			(\$930)	(\$930)		
16	Remove Current Clause Revenue Adjustments			\$146,378	\$160,264		9.5%
17	Approved Fuel EMF Rider						
18	EE Revenue (Adjusted for Off-Out Sales & Revenues)						
19	DSM Revenue (Adjusted for Off-Out Sales & Revenues)						
20	Rider JAA Revenue						
21	Fuel EDIT Revenue						
22	Fuel Deficiency Rider FED						
23	Rider EDIT-2 Revenue						
24	Rider RAL-1 Revenue						
25	Total Adjustments						
26	BASE REVENUE, Excluding All Charges			\$11,870	\$11,870		
27	Proposed Change in BASE REVENUES			\$194,507	\$148,394		
28					\$13,887	10.3%	
29	Spread Factor Calculation						
30	Annual Revenue at Current Rates			\$163,891			
31	Plus Rider Revenues			\$2			
32	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenues Sales)						
33	Impact of 1/18 EE Rate Change						
34	Impact of 1/18 DSM Rate Change						
35	Impact of 3/16/18 Rate Case						
36	Impact of 6/18 Fuel Deficiency Rider						
37	Impact of 6/18 JRR Recovery Rider (expended/reverse)						
38	Impact of 12/18 Fuel Fed Tax and Coal Inventory Rate Change						
39	Impact of 1/19 DSM EE & NC Tax Reform Rider Rate Change						
40	Impact of 1/19 DSM EE & NC Tax Reform Rider Rate Change						
41	Less 2018 EE Off-Out Revenue (Source: RUCYVE-EMCYVE, CMA Reports)						
42	Less 2018 DSM Off-Out Revenue (Source: RUCYVE-EMCYVE, CMA Reports)						
43	Adjusted Annual Revenue Based Upon Rate Determinants			\$866	\$12,036		
44	Book Revenues (Source: RMC1Y)			\$137,930	\$137,930		
45	Spread Factor (Adjusted Annual Revenue Book Revenue)			\$99,784,656%	\$99,784,656%		

NOTE: Annual revenue at current rates doesn't include revenue from the RFS Rider.

Rate Changes Imposed, Current Dates	Effective
(\$0.0025)	effective 11/2016
(\$0.0011)	effective 11/2016
Varies	effective 3/16/18
\$0.0048	effective 6/1/2018
\$0.0031	effective 9/1/2018
\$0.0031	effective 12/1/2018
(\$0.20)	effective 12/1/2018
\$0.0020	effective 11/2019

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NCUC Form E-1 - Item No. 42(c)

### North Carolina Schedule CSE

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1							
2	Basic Customer Charge	COUNT	1,527	\$28.50	\$15,020	\$28.50	0.0%
3	Energy Charges	KWH	1,376,502	\$0.13260	\$182,524	\$0.14452	9.0%
4	Three Phase Charge	COUNT	1,288	\$7.00	\$2,016	\$7.00	0.0%
5	Minimum Bill	KWH	0	\$0.05313	\$0	\$0.05502	3.6%
6	Demand Charges	KW	0	\$2.74	\$0	\$3.45	25.9%
7	Billed KVAR	KVAR	0	\$0.32	\$0	\$0.32	0.0%
8	Rate Schedule Revenue			\$199,560	\$215,968		
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$198,480	\$214,799		
10	Plus Minimum Bill & Rider Revenues (See Worksheet: MCS Minimum Bill)		0	\$16,461	\$24,444		
11	Plus EE Opt-Out Credit		0	\$0	\$0		
12	TOTAL REVENUE, Adjusted for Service Riders		0	\$214,941	\$239,243		11.3%
13	Remove Current Clause Revenue Adjustments						
14	Approved Fuel EMF Rider	KWH	1,376,502	\$0.00343	\$4,721	\$0.00343	
15	EE Revenue (Adjusted for Opt-Out Status & Revenues)	KWH	1,376,502	\$0.00820	\$11,287	\$0.00820	
16	DSM Revenue (Adjusted for Opt-Out Status & Revenues)	KWH	1,376,502	\$0.00045	\$619	\$0.00045	
17	Rider JAA Revenue	KWH	1,376,502	\$0.00372	\$5,121	\$0.00372	
18	Rider EDIT Revenue	KWH	1,376,502	(\$0.00114)	(\$1,569)	(\$0.00114)	
19	Fuel Deficiency Rider FFD	KWH	1,376,502	\$0.00068	\$936	\$0.00068	
20	Rider EDIT-2 Revenue		1,376,502	\$0.00000	\$0	(\$0.00247)	
21	Rider BAL-1 Revenue		1,376,502	\$0.00000	\$0	(\$0.00005)	
22	Total Adjustments			\$21,116	\$21,116		
23	BASE REVENUE, Excluding All Clauses			\$193,825	\$218,128		
24	Proposed Change in Base Revenues			\$24,303	12.5%		
25	Spread Factor Calculation						
26	Annual Revenue at Current Rates			\$199,560			
27	Plus Rider Revenues			\$16,461			
28	Less All Rate Adjustments (Test Year Rate Changes Adjusted by Memo Revenue Share)			\$6,756			
29	Impact of 1/18 EE Rate Change	KWH	139,130	(\$35)			
30	Impact of 3/16/18 Rate Change	KWH	139,130	(\$15)			
31	Impact of 6/18 DSM Rate Change	KWH	665,039	(\$3,127)			
32	Impact of 6/18 Fuel Deficiency Rider	KWH	-327,432	\$2,979			
33	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	1,316,467	(\$167)			
34	Impact of 12/18 JAA Rate Change	KWH	1,316,467	\$4,621			
35	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	1,376,502	(\$803)			
36	Less 2018 DSM Opt-Out Revenue (Source: RUCY/EE-RAMP/VEE CTR Reports)	DOLLARS		\$3,304			
37	Less 2018 EE Opt-Out Revenue (Source: RUCY/EE-RAMP/VEE CTR Reports)	DOLLARS		\$0			
38	Adjusted Annual Revenue Based Upon Rate Determinants			\$209,294			
39	Book Revenues (Source: RUCY)			\$208,132			
40	Spread Factor (Adjusted Annual Revenue/Book Revenue)			100.544051%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	Effective 11/2018
(\$0.0025)	effective 11/2018
(\$0.0011)	effective 11/2018
Varies	effective 3/16/18
\$0.0048	effective 6/1/2018
\$0.0051	effective 9/1/2018
\$0.0031	effective 12/1/2018
(\$0.0061)	effective 12/1/2018
\$0.0020	effective 11/2019

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### North Carolina Schedule CSG

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1							
2	Basic Customer Charge	COUNT	12	\$28.50	\$342	\$28.50	0.0%
3	Energy Charges	WH	25,680	\$0.16308	\$4,188	\$0.17774	9.0%
4	Three Phase Charge	COUNT	12	\$84	\$84	\$7.00	0.0%
5	Energy Charges	WH	0	\$0.05313	\$0	\$0.05602	3.6%
6	Minimum Bill	WH	0	\$2.74	\$0	\$3.45	25.9%
7	Minimum Bill	WH	0	\$0.32	\$0	\$0.32	0.0%
8	Blended kWh	KWH	0	\$0.32	\$0	\$0.32	0.0%
9	Rate Schedule Revenue			\$4,614	\$4,690		
10	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$4,614	\$4,990		
11	Plus Minimum Bill & Rider Revenues (See Worksheet MCS Minimum Bill)			\$121	\$212		
12	Plus EE Opt-Out Credit		0	(\$0.00820)	(\$0.00820)		
13	Plus DSM Opt-Out Credit		0	(\$0.00045)	(\$0.00045)		
14	TOTAL REVENUE, Adjusted for Service Riders			\$4,735	\$5,202	9.9%	
15	Remove Current Class Revenue Adjustments						
16	Approved Fuel EMF Rider	WH	25,680	\$0.00343	\$88	\$0.00343	\$88
17	EE Revenue (Adjusted for Opt-Out Status & Revenues)	WH	25,680	\$0.00820	\$211	\$0.00820	\$211
18	DSM Revenue (Adjusted for Opt-Out Status & Revenues)	WH	25,680	\$0.00045	\$12	\$0.00045	\$12
19	Rider JAA Revenue	WH	25,680	\$0.00372	\$96	\$0.00372	\$96
20	Rider EDIT Revenue	WH	25,680	(\$0.00114)	(\$29)	(\$0.00114)	(\$29)
21	Fuel Deficiency Rider FED	WH	25,680	\$0.00088	\$17	\$0.00088	\$17
22	Rider EDIT-2 Revenue		25,680	\$0.00000	\$0	(\$0.00247)	
23	Rider RAL-1 Revenue		25,680	\$0.00000	\$0	(\$0.00005)	
24	Total Adjustments			\$394	\$394		
25	BASE REVENUE, Excluding All Classes			\$4,341	\$4,806		
26	Spread Factor Calculation				\$467	10.8%	
27	Annual Revenue at Current Rates			\$4,614			
28	Plus Rider Revenues			\$121			
29	Less All Rate Adjustments (Final Year Rate Changes Indicated by Memo Revenues Sheet)						
30	Impact of 1/18 EE Rate Change	WH	4,385	(\$1.10)			
31	Impact of 3/18 DSM Rate Change	WH	4,385	(\$0.48)			
32	Impact of 6/18 Rate Case	WH	15,280	(\$90.10)			
33	Impact of 6/18 Fuel Deficiency Rider (expired/reverse)	WH	4,600	\$68.45			
34	Impact of 6/18 JRR Recovery Rider (expired/reverse)	WH	24,501	(\$3.37)			
35	Impact of 12/18 Fuel Fed Tax and Coal Inventory Rate Change	WH	24,501	\$96.00			
36	Impact of 12/18 JAA Rate Change	WH	25,680	(\$14.95)			
37	Impact of 1/19 DSMEE & NC Tar Reform Rider Rate Change			\$0			
38	Less 2018 EE Opt-Out Revenue (Source: RUCR-EE-FACTORY/CML Reports)	DOLLARS		\$0			
39	Less 2018 DSM Opt-Out Revenue (Source: RUCR-DSM-FACTORY/CML Reports)	DOLLARS		\$0			
40	Adjusted Annual Revenue Based Upon Rate Determinants			\$4,629			
41	Book Revenues (Source: RMC17)			\$4,629			
42	Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.999550%			

NOTE: Annual revenue at current rates doesn't include revenue from the RFSR Rider.

Rate Changes Indicated Current Rates	Effective 1/1/2018
(\$0.0025)	effective 1/1/2018
(\$0.0011)	effective 1/1/2018
Varies	effective 3/1/2018
\$0.0048	effective 6/1/2018
\$0.0051	effective 8/1/2018
\$0.0031	effective 12/1/2018
(\$0.0005)	effective 12/1/2018
\$0.0024	effective 1/1/2019



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## North Carolina Schedule LGS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	Basic Customer Charge	COUNT	1,086	\$200.00	\$217.200	\$217.200	0.0%
2	Energy Charges	KWH	1,149,922.810	\$0.05796	\$0.06327	\$72,755.616	9.2%
3	BLOCK 1 - FIRST 5,000 KW	KW	2,348,301	\$12.96	\$14.15	\$33,228.464	9.2%
4	BLOCK 2 - NEXT 5,000 KW	KW	152,579	\$11.96	\$13.15	\$2,006.416	9.9%
5	BLOCK 3 - ABOVE 10,000 KW	KW	121,313	\$10.96	\$12.15	\$1,473.988	10.9%
6	Demand Charges	KW	32,456	(\$0.50)	(\$0.53)	(\$17.202)	6.0%
7	Transmission Demand	KWH	10,787,501	(\$0.00043)	(\$0.00020)	(\$2.158)	-53.5%
8	Transmission Energy	KW	109,461	(\$0.43)	(\$0.45)	(\$49.257)	4.7%
9	Distribution Demand	KWH	46,886,400	(\$0.00005)	(\$0.00008)	(\$3.751)	60.0%
10	Distribution Energy	KVAR	332,540	\$0.32	\$0.32	\$106.413	0.0%
11	Billed KVAR						
11	Rate Schedule Revenue			\$100,491,287		\$109,715,699	
12	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$101,780,368		\$111,123,109	
13	Plus Rider Revenues (See Worksheets: Riders 7, 9, 68, JPS, LLC, NFS & SS)			(\$1,154,815)		(\$1,179,185)	
14	Plus Adjustments (see Curr/Prop Adjustment for LGS-RTP and Rider NFS)			(\$239,836)		(\$242,123)	
15	Plus EE Opt-Out Credit		991,383,173	(\$0.00820)	(\$0.00820)	(\$8,129,342)	
16	Plus DSM Opt-Out Credit		1,011,504,475	(\$0.00045)	(\$0.00045)	(\$455,177)	
17	TOTAL REVENUE, Adjusted for Service Riders			\$91,801,197		\$101,117,282	10.1%
18	Remove Current Clause Revenue Adjustments						
19	Approved Fuel EMF Rider	KWH	1,149,922.810	\$0.01039	\$0.01039	\$11,947.698	
20	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	158,539,637	\$0.00820	\$0.00820	\$1,300,025	
21	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	138,418,335	\$0.00045	\$0.00045	\$62,288	
22	Rider JAA Revenue	KW	2,622,194	\$1.36	\$1.36	\$3,566,184	
23	Rider EDIT Revenue	KWH	1,149,922.810	(\$0.00114)	(\$0.00114)	(\$1,310,912)	
24	Fuel Deficiency Rider FED	KWH	1,149,922.810	\$0.00002	\$0.00002	\$22.998	
25	Rider EDIT-2 Revenue		1,149,922.810	\$0.00000	(\$0.00171)		
26	Rider RAL-1 Revenue		1,149,922.810	\$0.00000	(\$0.00005)		
27	Total Adjustments			\$0		\$15,588,281	
28	BASE REVENUE, Excluding All Clauses			\$76,212,916		\$85,529,001	
29	Proposed Change in BASE REVENUES					\$9,316,085	12.2%
30							
31	Spread Factor Calculation						
32	Annual Revenue at Current Rates					\$100,491,287	
33	Plus Riders					(\$1,154,815)	
34	Plus Adjustments (see Curr/Prop Adjustment for LGS-RTP and Rider NFS)					(\$239,836)	
35	plus Rider JRR Credit					(\$109,399)	
36	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)	Impacted KWh		Revenue Impact		\$4,232,375	
Rate Changes Impacting Current Rates							

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### North Carolina Schedule LGS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
37	KWH	71,937,085	(\$17.984)				(\$0.0025) effective 1/1/2018
38	KWH	71,937,085	(\$7.913)				(\$0.0011) effective 1/1/2018
39			\$717.526				Varies effective 3/16/18
40	KWH	470,635,049	\$75.302				\$0.0016 effective 6/1/2018
41	KWH	-292,537,912	(\$149.194)				\$0.0051 effective 9/1/2018
42	KWH	1,125,726,561	\$11,36,984				\$0.00101 effective 12/1/2018
43	KW	2,565,087	(\$282.160)				(\$0.11) effective 12/1/2018
44	KWH	1,149,922,810	\$27,59,815				\$0.00240 effective 1/1/2019
45	DOLLARS			\$5,783,772			
46	DOLLARS			\$422,407			
47	Adjusted Annual Revenue Based upon Rate Determinants						
48	Book Revenues (Source: RMC1Y)						
49	Spread Factor (Adjusted Annual Revenue/Book Revenue)						
				\$89,684,567			
				98.73468%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Due Energy Progress, LLC  
 NCIC DocId: No. E-2 Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCIC Form E-1 - Item No. 42(C)

### North Carolina Schedule LGS-TOU

Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	On-peak	2,337	\$200.00	\$467.400	\$200.00	0.0%
2	Energy Charges	2,645,221.439	\$0.05317	\$140,646.424	\$0.05621	9.5%
3	On-peak	4,654,664.931	\$0.04817	\$224,215.210	\$247,674.721	10.5%
4	SUMMER I-S BLOCK 1 - FIRST 5,000 KW	2,118,668	\$0.209	\$432,968.181	\$474,056.062	9.5%
5	SUMMER I-S BLOCK 2 - NEXT 5,000 KW	689,942	\$19.29	\$13,302.042	\$14,626.040	10.0%
6	SUMMER I-S BLOCK 3 - ABOVE 10,000 KW	1,947,661	\$18.29	\$35,623.083	\$39,462.530	10.5%
7	SUMMER (O-M) BLOCK 1 - FIRST 5,000 KW	4,150,385	\$15.15	\$62,678.320	\$68,854.684	9.5%
8	SUMMER (O-M) BLOCK 2 - NEXT 5,000 KW	1,373,632	\$14.15	\$19,439.821	\$21,418.146	10.2%
9	SUMMER (O-M) BLOCK 3 - ABOVE 10,000 KW	3,118,622	\$13.15	\$41,003.861	\$45,320.697	10.2%
10	On-peak Excess	1,031,644	\$0.20	\$20,632.880	\$22,634.400	9.5%
11	Transmission Demand	655,180.766	\$0.00043	\$27.322	\$29.820	6.0%
12	Transmission Demand	359,479	\$0.00043	\$15.428	\$16.587	7.5%
13	Transformation Discount	203,592.706	\$0.00059	\$12.079	\$13.145	8.8%
14	Transformation Discount	866,591	\$0.32	\$277.341	\$277.341	0.0%
15	Blind M/R		\$558,213.145	\$558,213.145	\$558,213.145	0.0%
16	Rate Scheduling Revenue		\$558,213.145	\$558,213.145	\$558,213.145	0.0%
17	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)		\$558,213.145	\$558,213.145	\$558,213.145	0.0%
18	Plus Rider Revenues (See Worksheets Riders 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)	\$541,318.072	\$541,318.072	\$541,318.072	\$541,318.072	0.0%
19	Plus Rider Revenues (See Worksheets Riders 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)	\$57,906.230	\$57,906.230	\$57,906.230	\$57,906.230	0.0%
20	Plus EE Opt-Out Credit	7,061,735.342	\$0.00620	\$43,968.181	\$47,405.062	9.5%
21	Plus EE Opt-Out Credit	7,051,556.342	\$0.00045	\$31,172.200	\$33,713.200	8.2%
22	TOTAL REVENUE (Adjusted for Service Riders)		\$456,237.661	\$456,237.661	\$456,237.661	0.0%
23	Remove Current Clause Revenue Adjustments					
24	Approved Fuel E/M/R Rider	7,299,886.370	\$0.01038	\$75,845.619	\$81,845.619	8.0%
25	EE Revenue (Adjusted for Opt-Out Sales & Revenue)	268,151.028	\$0.00620	\$1,662.638	\$1,782.638	7.2%
26	DSM Revenue (Adjusted for Opt-Out Sales & Revenue)	426,330.028	\$0.0045	\$1,911.469	\$2,061.469	7.8%
27	Rider E/M/R Revenue	1,318,422.841				

Duke Energy Progress, LLC  
 NCUC Docket No. E-2 Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(c)

### North Carolina Schedule SFLS

				Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
				Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	in Rate
1	Basic Customer Charge	COUNT	936		\$28.50	\$26,676	\$28.50	\$26,676	0.0%
2	Energy Charges	KWH	1,143,429		\$0.06163	\$70,470	\$0.06767	\$77,376	9.8%
3	Demand Charges	KW	91,301		\$1.24	\$113,213	\$1.37	\$125,082	10.5%
4	Three Phase Charge	COUNT	282		\$7.00	\$1,974	\$7.00	\$1,974	0.0%
5	Billed KVAR	KVAR	0		\$0.32	\$0	\$0.32	\$0	0.0%
6	Disconnected/Connect Charge	COUNT	0		\$17.00	\$0	\$9.14	\$0	-46.2%
7	Rate Schedule Revenue					\$27,233		\$231,108	
8	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)					\$271,965		\$230,643	
9	Plus Rider Revenues (None)					\$0		\$0	
10	Plus EE Opt-Out Credit				94,940	(\$0.00100)		(\$0.00100)	
11	Plus DSM Opt-Out Credit				94,940	\$0.00000		\$0	
12	TOTAL REVENUE, Adjusted for Service Riders					\$271,811		\$230,548	8.8%
13	Remove Current Clause Revenue Adjustments								
14	Approved Fuel EMF Rider	KWH	1,143,429		\$0.00866	\$10,131	\$0.00866	\$10,131	
15	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	1,048,489		\$0.00100	\$1,048	\$0.00100	\$1,048	
16	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	1,048,489		\$0.00000	\$0	\$0.00000	\$0	
17	Rider JAA Revenue	KWH	1,143,429		\$0.00000	\$0	\$0.00000	\$0	
18	Rider EDIT Revenue	KWH	1,143,429		(\$0.00114)	(\$1,304)	(\$0.00114)	(\$1,304)	
19	Fuel Deficiency Rider FFD	KWH	1,143,429		(\$0.00046)	(\$526)	(\$0.00046)	(\$526)	
20	Rider EDIT-2 Revenue		1,143,429		\$0.00000	\$0	(\$0.00704)	\$0	
21	Rider BAL-1 Revenue		1,143,429		\$0.00000	\$0	(\$0.00005)	\$0	
22	Total Adjustments					\$9,350		\$9,350	
23	BASE REVENUE, Excluding All Clauses					\$202,461		\$221,199	
24	Proposed Change in Base Revenues							\$16,738	9.3%
25	Spread Factor Calculation								
26	Annual Revenue at Current Rates					\$212,333			
27	Plus Rider Revenues					\$0			
28	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Share)								
29	Impact of 1/18 EE Rate Change	KWH	23,383		(\$1)				
30	Impact of 1/18 DSM Rate Change	KWH	23,383		\$0				
31	Impact of 3/16/18 Rate Case				(\$97)				
32	Impact of 6/18 Fuel Deficiency Rider	KWH	451,266		(\$1,294)				
33	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-400,935		(\$204)				
34	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	1,105,648		\$12,774				
35	Impact of 12/18 JAA Rate Change	KWH	1,105,647		\$0				
36	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	1,143,429		(\$81)				
37	Less 2018 EE Opt-Out Revenue (Source: RUCY/E&A/MP/EE Out/Revol)	DOLLARS				\$101			
38	Less 2018 DSM Opt-Out Revenue (Source: RUCY/E&A/MP/DSM Out/Revol)	DOLLARS				\$0			
39	Adjusted Annual Revenue Based upon Rate Determinants					\$201,995			
40	Book Revenues (Source: RUCY)					\$200,691			
41	Spread Factor (Adjusted Annual Revenue/Book Revenue)					100.201439%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	
(\$0.0004)	effective 11/2018
\$0.0000	effective 11/2018
Varies	effective 3/16/18
(\$0.0028)	effective 6/12018
\$0.0061	effective 9/12018
\$0.0166	effective 12/12018
\$0.0000	effective 12/12018
(\$0.0008)	effective 11/2019



Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

### North Carolina Schedule TFS

1	Basic Customer Charge	COUNT	1,233	\$21.00	\$25,893	\$21.00	\$25,893	0.0%
2	Energy Charges	KWH	178,003	\$0.06284	\$11,186	\$0.09179	\$16,339	46.1%
3	Three Phase Charge	COUNT	0	\$7.00	\$0	\$7.00	\$0	0.0%
4	Billed KVAR	KVAR	0	\$0.32	\$0	\$0.32	\$0	0.0%
5	Rate Schedule Revenue				\$37,079		\$42,232	
6	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$37,348		\$42,538	
7	Plus Rider Revenues (None)				\$0		\$0	
8	Plus EE Opt-Out Credit		0	(\$0.00820)	\$0	(\$0.00820)	\$0	
9	Plus DSM Opt-Out Credit		0	(\$0.00045)	\$0	(\$0.00045)	\$0	
10	TOTAL REVENUE, Adjusted for Service Riders				\$37,348		\$42,538	13.9%
11	Remove Current Clause Revenue Adjustments							
12	Approved Fuel EUI/F Rider	KWH	178,003	\$0.00364	\$648	\$0.00364	\$648	
13	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	178,003	\$0.00820	\$1,460	\$0.00820	\$1,460	
14	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	178,003	\$0.00045	\$80	\$0.00045	\$80	
15	Rider JAA Revenue	KWH	178,003	\$0.00237	\$422	\$0.00237	\$422	
16	Fuel Deficiency Rider FFD	KWH	178,003	(\$0.00114)	(\$203)	\$0.00114	(\$203)	
17	Rider EDIT 2 Revenue	KWH	178,003	\$0.00052	\$93	\$0.00052	\$93	
18	Rider EDIT 2 Revenue		178,003	\$0.00000	\$0	\$0.00056	\$0	
19	Rider RAL-1 Revenue		178,003	\$0.00000	\$0	\$0.00055	\$0	
20	Total Adjustments				\$2,499		\$2,499	
21	BASE REVENUE, Excluding All Clauses				\$34,848		\$40,039	
22	Proposed Change in BASE REVENUES						\$5,191	14.9%
23								
24	Spread Factor Calculation							
25	Annual Revenue at Current Rates				\$37,079			
26	Plus Rider Revenues				\$0			
27	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)	Imputed KWH	Revenue Imputed		\$2,354			
28	Impact of 1/18 EE Rate Change	KWH	10,220	(\$3)				Rate Changes Imputed Current Rates (\$0.00026) effective 11/20/18 (\$0.00011) effective 11/20/18
29	Impact of 1/18 DSM Rate Change	KWH	10,220	\$758				Varies
30	Impact of 3/6/18 Rate Case							effective 3/6/18
31	Impact of 6/18 Fuel Deficiency Rider	KWH	67,426	\$342				effective 6/12/18
32	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-46,166	(\$25)				\$0.00051 effective 9/12/18
33	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	173,971	\$597				\$0.00573 effective 12/1/2018
34	Impact of 12/18 JAA Rate Change	KWH	173,971	(\$42)				(\$0.00024) effective 12/1/2018
35	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	178,003	\$427				\$0.00240 effective 11/20/19
36	Less 2018 EE Opt-Out Revenue (Source: RUCRY-EE-RUCRY-EE CM Report)	DOLLARS		\$0				
37	Less 2018 DSM Opt-Out Revenue (Source: RUCRY-DSM-RUCRY-DSM CM Report)	DOLLARS		\$0				
38	Adjusted Annual Revenue Based upon Rate Determinants				\$34,725			
39	Book Revenues (Adjusted Annual Revenue/Book Revenue)				\$34,977			
40	Spread Factor (Adjusted Annual Revenue/Book Revenue)				99.2795%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Duke Energy Progress, LLC

NCUC Docket No. E-2, Sub 1219

Twelve Months Ended December 31, 2018

Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule TSS

Current and Proposed Billing Units and Revenues								
	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate	
North Carolina Schedule TSS								
1	70 Watt-16 HR/1 Lamp BLINKER	COUNT	420	\$2.02	\$848	\$2.28	\$958	12.9%
2	70 Watt-16 HR/2 Lamp BLINKER	COUNT	84	\$4.04	\$339	\$4.56	\$383	12.9%
3	70 Watt-16 HR/3 Lamp BLINKER	COUNT	0	\$6.06	\$0	\$6.84	\$0	12.9%
4	70 Watt-16 HR/4 Lamp BLINKER	COUNT	0	\$8.08	\$0	\$9.12	\$0	12.9%
5	150 Watt-16 HR/1 Lamp BLINKER	COUNT	396	\$3.65	\$1,445	\$4.12	\$1,632	12.9%
6	150 Watt-16 HR/2 Lamp BLINKER	COUNT	168	\$7.30	\$1,226	\$8.24	\$1,384	12.9%
7	150 Watt-16 HR/3 Lamp BLINKER	COUNT	0	\$10.95	\$0	\$12.36	\$0	12.9%
8	150 Watt-16 HR/4 Lamp BLINKER	COUNT	0	\$14.60	\$0	\$16.48	\$0	12.9%
9	70 Watt-24 HR/1 Lamp BLINKER	COUNT	1,583	\$2.76	\$4,369	\$3.11	\$4,923	12.7%
10	70 Watt-24 HR/2 Lamp BLINKER	COUNT	12	\$5.52	\$66	\$6.22	\$75	12.7%
11	70 Watt-24 HR/3 Lamp BLINKER	COUNT	0	\$8.28	\$0	\$9.33	\$0	12.7%
12	70 Watt-24 HR/4 Lamp BLINKER	COUNT	0	\$11.04	\$0	\$12.44	\$0	12.7%
13	150 Watt-24 HR/1 Lamp BLINKER	COUNT	3,071	\$5.13	\$15,754	\$5.79	\$17,781	12.9%
14	150 Watt-24 HR/2 Lamp BLINKER	COUNT	378	\$10.26	\$3,878	\$11.58	\$4,377	12.9%
15	150 Watt-24 HR/3 Lamp BLINKER	COUNT	72	\$15.39	\$1,108	\$17.37	\$1,251	12.9%
16	150 Watt-24 HR/4 Lamp BLINKER	COUNT	24	\$20.52	\$492	\$23.16	\$556	12.9%
17	70 Watt-16 HR/1 Lamp	COUNT	12	\$2.79	\$33	\$3.15	\$38	12.9%
18	70 Watt-16 HR/2 Lamp	COUNT	0	\$3.35	\$0	\$3.78	\$0	12.8%
19	70 Watt-16 HR/3 Lamp	COUNT	0	\$3.51	\$0	\$3.96	\$0	12.8%
20	70 Watt-16 HR/4 Lamp	COUNT	0	\$4.46	\$0	\$5.03	\$0	12.8%
21	70 Watt-16 HR/5 Lamp	COUNT	0	\$3.51	\$0	\$3.96	\$0	12.8%
22	70 Watt-16 HR/6 Lamp	COUNT	0	\$4.46	\$0	\$5.03	\$0	12.8%
23	120 Watt-16 HR/2 Lamp	COUNT	0	\$4.38	\$0	\$4.94	\$0	12.8%
24	120 Watt-16 HR/3 Lamp	COUNT	0	\$4.54	\$0	\$5.12	\$0	12.8%
25	120 Watt-16 HR/4 Lamp	COUNT	0	\$5.49	\$0	\$6.19	\$0	12.8%
26	120 Watt-16 HR/5 Lamp	COUNT	0	\$4.54	\$0	\$5.12	\$0	12.8%
27	120 Watt-16 HR/6 Lamp	COUNT	0	\$5.49	\$0	\$6.19	\$0	12.8%
28	150 Watt-16 HR/1 Lamp	COUNT	48	\$5.54	\$266	\$6.25	\$300	12.8%
29	150 Watt-16 HR/2 Lamp	COUNT	60	\$6.79	\$407	\$7.66	\$460	12.8%
30	150 Watt-16 HR/3 Lamp	COUNT	24	\$6.91	\$166	\$7.80	\$187	12.9%
31	150 Watt-16 HR/4 Lamp	COUNT	48	\$9.54	\$458	\$10.77	\$517	12.9%
32	150 Watt-16 HR/5 Lamp	COUNT	0	\$6.91	\$0	\$7.80	\$0	12.9%
33	150 Watt-16 HR/6 Lamp	COUNT	0	\$9.54	\$0	\$10.77	\$0	12.9%

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
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## North Carolina Schedule TSS

34	70 Watt-24 HR/1 Lamp	COUNT	2,621	\$3.83	\$10,038	\$4.32	\$11,323	12.8%
35	70 Watt-24 HR/2 Lamp	COUNT	7,188	\$4.48	\$32,202	\$5.06	\$36,371	12.9%
36	70 Watt-24 HR/3 Lamp	COUNT	10,051	\$4.79	\$48,144	\$5.41	\$54,376	12.9%
37	70 Watt-24 HR/4 Lamp	COUNT	708	\$6.26	\$4,432	\$7.06	\$4,998	12.8%
38	70 Watt-24 HR/5 Lamp	COUNT	889	\$4.79	\$4,258	\$5.41	\$4,809	12.9%
39	70 Watt-24 HR/6 Lamp	COUNT	0	\$6.26	\$0	\$7.06	\$0	12.8%
40	120 Watt-24 HR/2 Lamp	COUNT	24	\$5.81	\$139	\$6.56	\$157	12.9%
41	120 Watt-24 HR/3 Lamp	COUNT	0	\$6.12	\$0	\$6.91	\$0	12.9%
42	120 Watt-24 HR/4 Lamp	COUNT	0	\$7.59	\$0	\$8.56	\$0	12.8%
43	120 Watt-24 HR/5 Lamp	COUNT	0	\$6.12	\$0	\$6.91	\$0	12.9%
44	120 Watt-24 HR/6 Lamp	COUNT	0	\$7.59	\$0	\$8.56	\$0	12.8%
45	150 Watt-24 HR/1 Lamp	COUNT	600	\$8.01	\$4,806	\$9.04	\$5,424	12.8%
46	150 Watt-24 HR/2 Lamp	COUNT	1,701	\$9.36	\$15,921	\$10.56	\$17,963	12.8%
47	150 Watt-24 HR/3 Lamp	COUNT	28,081	\$9.61	\$269,858	\$10.84	\$304,398	12.8%
48	150 Watt-24 HR/4 Lamp	COUNT	976	\$13.28	\$12,961	\$14.99	\$14,630	12.9%
49	150 Watt-24 HR/5 Lamp	COUNT	2,776	\$9.61	\$26,677	\$10.84	\$30,092	12.8%
50	150 Watt-24 HR/6 Lamp	COUNT	0	\$13.28	\$0	\$14.99	\$0	12.9%
51	Minimum Bill	CHARGE	0	\$21.00	\$0	\$21.00	\$0	0.0%
52	120 watt/16 Hour Rate Adder			\$1.03	\$0	\$1.16	\$0	12.6%
53	120 watt/24 Hour Rate Adder			\$1.33	\$1.50		\$0	12.8%
54	Rate Schedule Revenue				\$460,298		\$519,363	
55	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$467,288		\$527,250	
56	Plus Rider Revenues (None)		0	(\$0.00820)	\$0	(\$0.00820)	\$0	
57	Plus EE Opt-Out Credit		0	\$0	\$0	\$0	\$0	
58	Plus DSM Opt-Out Credit		0	(\$0.00045)	\$0	(\$0.00045)	\$0	
59	TOTAL REVENUE, Adjusted for Service Riders				\$467,288		\$527,250	12.8%
60	Remove Current Clause Revenue Adjustments							
61	Approved Fuel EMF Rider	KWH	4,591,310	\$0.00364	\$16,712	\$0.00364	\$16,712	
62	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	4,591,310	\$0.00820	\$37,649	\$0.00820	\$37,649	
63	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	4,591,310	\$0.00045	\$2,066	\$0.00045	\$2,066	
64	Rider JAA Revenue	KWH	4,591,310	\$0.00237	\$10,881	\$0.00237	\$10,881	
65	Rider EDIT Revenue	KWH	4,591,310	(\$0.00114)	(\$5,234)	(\$0.00114)	(\$5,234)	
66	Fuel Deficiency Rider FED	KWH	4,591,310	\$0.00052	\$2,387	(\$0.00052)	\$2,387	
67	Rider EDIT-2 Revenue		4,591,310	\$0.00000	\$0	(\$0.00036)	\$0	
68	Rider RAL-1 Revenue		4,591,310	\$0.00000	\$0	(\$0.00005)	\$0	
69	Total Adjustments				\$64,462		\$64,462	
70	BASE REVENUE, Excluding All Clauses				\$402,826		\$462,788	
71	Proposed Change in BASE REVENUES						\$59,962	14.9%

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule TSS

			Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
			Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	in Rate
72								
73	<b>Spread Factor Calculation</b>							
74	Annual Revenue at Current Rates				\$460,298			
75	Plus Rider Revenues				\$0			
76	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)				\$47,213			
77	Impact of 1/18 EE Rate Change	KWH	318,487	Revenue Impact (\$90)				
78	Impact of 1/18 DSM Rate Change	KWH	318,487	(\$35)				
79	Impact of 3/16/18 Rate Case			\$5,118				
80	Impact of 6/18 Fuel Deficiency Rider	KWH	1,965,472	\$7,056				
81	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-1,214,190	(\$619)				
82	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	4,508,859	\$25,836				
83	Impact of 12/18 JAA Rate Change	KWH	4,508,859	(\$1,082)				
84	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	4,591,310	\$11,019				
85	Less 2018 EE Opt-Out Revenue (Source: RMCRY4E, RMCRY6E CIM Reports)	DOLLARS			\$0			
86	Less 2018 DSM Opt-Out Revenue (Source: RMCRY4D, RMCRY6D CIM Reports)	DOLLARS			\$0			
87	Adjusted Annual Revenue Based Upon Rate Determinants				\$413,085			
88	Book Revenues (Source: RMC1Y)				\$419,358			
89	Spread Factor (Adjusted Annual Revenue/Book Revenue)				98.504060%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates		
(\$0.0025)	effective 1/1/2018	
(\$0.0011)	effective 1/1/2018	
Varies	effective 3/16/18	
\$0.00359	effective 6/1/2018	
\$0.00051	effective 9/1/2018	
\$0.00573	effective 12/1/2018	
(\$0.0024)	effective 12/1/2018	
\$0.00240	effective 1/1/2019	

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule ALS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	LED 50 COUNT	1,027,580	\$7.40	\$7,604,092	\$8.04	\$8,261,743	8.6%
2	LED 50 Floodlight COUNT	4,814	\$10.73	\$51,654	\$11.66	\$56,131	8.7%
3	LED 75 COUNT	66,215	\$7.66	\$507,207	\$8.32	\$550,909	8.6%
4	LED 105 COUNT	44,488	\$9.42	\$419,077	\$10.24	\$455,557	8.7%
5	LED 130 Floodlight COUNT	10,251	\$21.66	\$222,037	\$23.54	\$241,309	8.7%
6	LED 150 COUNT	81,552	\$12.17	\$992,488	\$13.22	\$1,078,117	8.6%
7	LED 215 COUNT	52,377	\$14.96	\$783,560	\$16.26	\$851,650	8.7%
8	LED 220 Shoebox COUNT	0	\$18.90	\$0	\$20.54	\$0	8.7%
9	LED 260 Floodlight COUNT	2,467	\$39.46	\$97,348	\$42.88	\$105,785	8.7%
10	LED 280 COUNT	40,476	\$17.09	\$691,735	\$18.57	\$751,639	8.7%
11	LED 420 COUNT	14,957	\$39.77	\$594,840	\$43.21	\$646,292	8.6%
12	LED 530 COUNT	8,959	\$48.39	\$433,526	\$52.58	\$471,064	8.7%
13	9,500 Lumen SV COUNT	914,661	\$10.57	\$9,667,967	\$11.49	\$10,509,455	8.7%
14	16,000 Lumen SV COUNT	15,607	\$12.40	\$193,527	\$13.47	\$210,226	8.6%
15	28,500 Lumen SV COUNT	294,786	\$15.50	\$4,569,183	\$16.84	\$4,964,196	8.6%
16	50,000 Lumen SV COUNT	71,832	\$21.49	\$1,543,670	\$23.35	\$1,677,277	8.7%
17	50,000 Lumen SV Floodlight COUNT	101,149	\$24.10	\$2,437,691	\$26.19	\$2,649,092	8.7%
18	5,800 Lumen SV COUNT	108,579	\$6.64	\$720,965	\$7.21	\$782,855	8.6%
19	9,000 Lumen MH COUNT	69,610	\$12.35	\$859,684	\$13.42	\$934,166	8.7%
20	7,000 Lumen MV Semi-Enclosed COUNT	65,701	\$8.45	\$555,173	\$9.18	\$603,135	8.6%
21	12,000 Lumen RSV COUNT	4,580	\$11.99	\$54,914	\$10.53	\$47,288	8.7%
22	20,000 Lumen MH COUNT	64,255	\$18.21	\$1,170,084	\$19.79	\$1,271,606	8.7%
23	21,000 Lumen MV COUNT	1,022	\$15.69	\$16,035	\$17.05	\$17,425	8.7%
24	21,000 Lumen MV Flood COUNT	6,185	\$19.02	\$117,639	\$20.67	\$127,844	8.7%
25	22,000 Lumen SV COUNT	192,051	\$13.49	\$2,590,768	\$14.66	\$2,815,468	8.7%
26	33,000 Lumen MH COUNT	82,789	\$23.74	\$1,964,936	\$25.80	\$2,135,440	8.7%
27	38,000 Lumen RSV COUNT	1,734	\$17.89	\$31,021	\$19.44	\$33,709	8.7%
28	40,000 Lumen MH COUNT	201,485	\$25.06	\$5,049,214	\$27.23	\$5,486,437	8.7%
29	60,000 Lumen MV COUNT	109	\$32.10	\$3,499	\$34.88	\$3,802	8.7%
30	60,000 Lumen MV Flood COUNT	2,653	\$34.62	\$91,847	\$37.62	\$99,806	8.7%
31	110,000 Lumen MH COUNT	88,652	\$47.92	\$4,248,204	\$52.07	\$4,616,110	8.7%
32	LED 75 (Standard Offer) COUNT	16,402	\$5.89	\$96,608	\$6.40	\$104,973	8.7%
33	LED 105 (Standard Offer) COUNT	11,661	\$8.44	\$98,419	\$9.17	\$106,931	8.6%
34	LED 215 (Standard Offer) COUNT	13,655	\$12.39	\$169,185	\$13.46	\$183,786	8.6%
35	LED 205 Site Lighter (Standard Offer) COUNT	110,236	\$12.45	\$1,372,438	\$13.53	\$1,491,433	8.7%
36	Monthly UG Charge COUNT	642,253	\$3.21	\$2,061,632	\$3.49	\$2,241,453	8.7%
37	One-Time UG Charge COUNT	0	\$521.00	\$0	\$580.00	\$0	11.3%



Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule ALS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
39	Wood Pole	COUNT	1,439,190	\$2.05	\$2,950,340	\$2.40	17.1%
40	Metal, Fiberglass or Post Pole	COUNT	583,863	\$4.87	\$2,843,413	\$5.71	17.2%
41	12-Foot Smooth Concrete Post	COUNT	2,571	\$9.49	\$24,399	\$11.13	17.3%
42	16-Foot Smooth Concrete Post	COUNT	144	\$10.44	\$1,503	\$12.25	17.3%
43	Decorative Square Metal	COUNT	339,959	\$14.44	\$3,549,172	\$16.72	17.3%
44	13-Foot Fluted Concrete Post	COUNT	11,796	\$14.25	\$168,093	\$16.72	17.3%
45	Decorative Aluminum 12-Foot Post	COUNT	7,779	\$17.09	\$132,943	\$20.05	17.3%
46	Decorative 35- or 39-Foot Tapered Metal Pole	COUNT	6,795	\$27.14	\$184,416	\$31.84	17.3%
47	Masterpiece Series A 9,000 Lumen Fixture	COUNT	12,048	\$15.35	\$184,937	\$16.42	7.0%
48	Masterpiece Series B 9,000 Lumen Fixture	COUNT	30,731	\$16.50	\$507,062	\$17.57	6.5%
49	Masterpiece Series A 12-Foot Decorative Post 9,000 Lumen	COUNT	15,169	\$17.09	\$259,238	\$20.05	17.3%
50	Masterpiece Series A 16-Foot Decorative Post 9,000 Lumen	COUNT	7,270	\$20.89	\$151,870	\$24.51	17.3%
51	Masterpiece Series A 9,500 Lumen Fixture	COUNT	20,592	\$13.57	\$279,433	\$14.49	6.8%
52	Masterpiece Series B 9,500 Lumen Fixture	COUNT	30,983	\$14.72	\$456,070	\$15.64	6.3%
53	Masterpiece Series A 12-Foot Decorative Post 9,500 Lumen	COUNT	19,899	\$17.09	\$340,074	\$20.05	17.3%
54	Masterpiece Series A 16-Foot Decorative Post 9,500 Lumen	COUNT	12,348	\$20.89	\$257,950	\$24.51	17.3%
55	Masterpiece Series A 12-Foot Decorative Post LED 50	COUNT	3,818	\$17.09	\$65,250	\$20.05	17.3%
56	Masterpiece Series A 16-Foot Decorative Post LED 50	COUNT	2,572	\$20.89	\$53,729	\$24.51	17.3%
57	Masterpiece Series A LED 50 Fixture	COUNT	3,980	\$10.40	\$41,392	\$11.04	6.2%
58	Masterpiece Series B LED 50 Fixture	COUNT	4,747	\$11.55	\$54,828	\$12.19	5.5%
59	Masterpiece Series A 12-Foot Decorative Post LED 75	COUNT	872	\$17.09	\$14,902	\$20.05	17.3%
60	Masterpiece Series A 16-Foot Decorative Post LED 75	COUNT	354	\$20.89	\$7,395	\$24.51	17.3%
61	Masterpiece Series A LED 75 Fixture	COUNT	0	\$10.66	\$0	\$11.32	6.2%
62	Masterpiece Series B LED 75 Fixture	COUNT	5,672	\$11.81	\$66,986	\$12.47	5.6%
63	Masterpiece Series A Twin Mounting Bracket	COUNT	1,333	\$5.00	\$6,665	\$5.00	0.0%
64	Masterpiece Series A Adder	COUNT	0	\$3.00	\$0	\$3.00	0.0%
65	Masterpiece Series B Adder	COUNT	0	\$4.15	\$0	\$4.15	0.0%
66	Rate Schedule Revenue			\$64,750,446		\$71,270,835	
67	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$64,619,155		\$71,126,322	
68	Plus Rider Revenues (None)			\$0		\$0	
69	Plus EE Opt-Out Credit		16,030,300	(\$0.00100)	(\$16,030)	(\$16,030)	
70	Plus DSM Opt-Out Credit		16,766,610	\$0.00000	\$0	\$0	
71	TOTAL REVENUE, Adjusted for Service Riders			\$64,603,124		\$71,110,292	10.1%
72	Remove Current Clause Revenue Adjustments						
73	Approved Fuel EMF Rider	KWH	267,706,195	\$0.00886	\$2,371,877	\$2,371,877	
74	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	251,675,895	\$0.00100	\$251,676	\$251,676	
75	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	250,939,585	\$0.00000	\$0	\$0	
76	Rider JAA Revenue	KWH	267,706,195	\$0.00000	\$0	\$0	
77	Rider EDIT Revenue	KWH	267,706,195	(\$0.00114)	(\$305,185)	(\$305,185)	

Duke Energy Progress, LLC

NCUC Docket No. E-2, Sub 1219

Twelve Months Ended December 31, 2018

Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

## North Carolina Schedule ALS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
78	Fuel Deficiency Rider FED						
79	Rider EDIT-2 Revenue	267,706,195	(\$0.00046)	(\$123,145)	(\$0.00046)	(\$123,145)	
80	Rider RAL-1 Revenue	267,706,195	\$0.00000	\$0	(\$0.01367)		
81	Total Adjustments	267,706,195	\$0.00000	\$0	(\$0.00005)	\$2,195,223	
82	BASE REVENUE, Excluding All Clauses			\$62,407,901		\$2,195,223	
83	Proposed Change in BASE REVENUES					\$6,507,168	10.4%
84							

Duke Energy Progress, LLC  
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 Current and Proposed Billing Units and Revenues

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## North Carolina Schedule ALS

Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
<b>Spread Factor Calculation</b>						
86	Annual Revenue at Current Rates		\$64,750,446			
87	Plus Rider Revenues		\$0			
88	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)					
89	Impact of 1/18 EE Rate Change	Impacted KWH 12,619,611	Revenue Impact (\$505)			Rate Changes Impacting Current Rates (\$0.00004) effective 1/1/2018
90	Impact of 1/18 DSM Rate Change	KWH 12,619,611	\$0			\$0.00000 effective 1/1/2018
91	Impact of 3/16/18 Rate Case		(\$446,736)			Varies effective 3/16/18
92	Impact of 6/18 Fuel Deficiency Rider	KWH 112,418,420	(\$314,772)			(\$0.00280) effective 6/1/2018
93	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH -76,427,201	(\$38,978)			\$0.00051 effective 9/1/2018
94	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH 258,196,227	\$2,994,748			\$0.01195 effective 12/1/2018
95	Impact of 12/18 JAA Rate Change	KWH 258,196,172	\$0			\$0.00000 effective 12/1/2018
96	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH 267,706,195	(\$21,416)			(\$0.00008) effective 1/1/2019
97	Less 2018 EE Opt-Out Revenue (Source: RMCRYE, RMCRYE CIM Reports)	DOLLARS			\$17,041	
98	Less 2018 DSM Opt-Out Revenue (Source: RMCRYD, RMCRYD CIM Reports)	DOLLARS			\$0	
99	Adjusted Annual Revenue Based upon Rate Determinants				\$62,571,064	
100	Book Revenues (Source: RMC1Y)				\$62,444,191	
101	Spread Factor (Adjusted Annual Revenue/Book Revenue)				100.203178%	

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

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 Current and Proposed Billing Units and Revenues

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## North Carolina Schedule SLS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates		Annual Revenue @ Proposed Rates		Percent Change in Rate
					Proposed Rates		Proposed Rates		
1	LED 50	COUNT	625,151	\$7.40		\$4,626,117	\$8.04	\$5,026,214	8.6%
2	LED 75	COUNT	142,900	\$7.66		\$1,094,614	\$8.32	\$1,188,928	8.6%
3	LED 105	COUNT	79,676	\$9.42		\$750,548	\$10.24	\$815,882	8.7%
4	LED 150	COUNT	185,380	\$12.17		\$2,256,075	\$13.22	\$2,450,724	8.6%
5	LED 215	COUNT	18,643	\$14.96		\$278,899	\$16.26	\$303,135	8.7%
6	LED 220 Shoebox	COUNT	0	\$18.90		\$0	\$20.54	\$0	8.7%
7	LED 280	COUNT	57,711	\$17.09		\$986,281	\$18.57	\$1,071,693	8.7%
8	LED 420	COUNT	361	\$39.77		\$14,357	\$43.21	\$15,599	8.6%
9	LED 530	COUNT	0	\$46.39		\$0	\$52.58	\$0	8.7%
10	9,500 Lumen SV	COUNT	220,886	\$10.57		\$2,334,765	\$11.49	\$2,537,980	8.7%
11	16,000 Lumen SV	COUNT	11,577	\$12.40		\$143,555	\$13.47	\$155,942	8.6%
12	28,500 Lumen SV	COUNT	16,808	\$15.50		\$260,524	\$16.84	\$283,047	8.6%
13	50,000 Lumen SV	COUNT	7,017	\$21.49		\$150,795	\$23.35	\$163,847	8.7%
14	5,800 Lumen SV	COUNT	11,382	\$6.64		\$75,576	\$7.21	\$82,064	8.6%
15	7,000 Lumen MV Semi-Enclosed	COUNT	6,513	\$8.45		\$55,035	\$9.18	\$59,789	8.6%
16	7,000 Lumen MV	COUNT	9,899	\$9.69		\$95,921	\$10.53	\$104,236	8.7%
17	9,000 Lumen MH	COUNT	9,783	\$12.35		\$120,820	\$13.42	\$131,288	8.7%
18	12,000 Lumen RSV	COUNT	8,646	\$11.99		\$103,666	\$13.03	\$112,657	8.7%
19	20,000 Lumen MH	COUNT	5,963	\$18.21		\$108,586	\$19.79	\$118,008	8.7%
20	21,000 Lumen MV	COUNT	731	\$15.69		\$11,469	\$17.05	\$12,464	8.7%
21	22,000 Lumen SV	COUNT	38,931	\$13.49		\$525,179	\$14.66	\$570,728	8.7%
22	33,000 Lumen MH	COUNT	589	\$23.74		\$13,983	\$25.80	\$15,196	8.7%
23	38,000 Lumen RSV	COUNT	2,908	\$17.89		\$52,024	\$19.44	\$56,532	8.7%
24	40,000 Lumen MH	COUNT	2,187	\$25.06		\$54,806	\$27.23	\$59,552	8.7%
25	60,000 Lumen MV	COUNT	135	\$32.10		\$4,334	\$34.88	\$4,709	8.7%
26	110,000 Lumen MH	COUNT	84	\$47.92		\$4,025	\$52.07	\$4,374	8.7%
27	LED 75 (Standard Offer)	COUNT	134,702	\$5.89		\$793,395	\$6.40	\$862,093	8.7%
28	LED 105 (Standard Offer)	COUNT	36,937	\$8.44		\$311,748	\$9.17	\$338,712	8.6%
29	LED 215 (Standard Offer)	COUNT	21,912	\$12.39		\$271,490	\$13.46	\$294,936	8.6%
30	LED 205 Site Lighter (Standard Offer)	COUNT	1,202	\$12.45		\$14,965	\$13.53	\$16,263	8.7%
31	LED 75 Customer Owned	COUNT	87,945	\$5.13		\$451,158	\$5.57	\$489,854	8.6%
32	LED 105 Customer Owned	COUNT	14,003	\$5.55		\$77,717	\$6.03	\$84,438	8.6%
33	LED 215 Customer Owned	COUNT	9,450	\$7.02		\$66,339	\$7.63	\$72,104	8.7%
34	LED 205 Customer Owned Site Lighter	COUNT	84	\$6.88		\$578	\$7.48	\$628	8.7%
35	Monthly UG Charge	COUNT	179,962	\$3.21		\$577,678	\$3.49	\$628,067	8.7%
36	One-Time UG Charge	COUNT	0	\$521.00		\$0	\$580.00	\$0	11.3%

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## North Carolina Schedule SLS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
37	Wood Pole	COUNT	401,423	\$1.55	\$622,206	\$1.91	23.2%
38	Metal, Fiberglass or Post Pole	COUNT	367,663	\$2.71	\$996,367	\$3.35	23.6%
39	12-Foot Smooth Concrete Post	COUNT	0	\$9.49	\$0	\$11.13	17.3%
40	Decorative Square Metal	COUNT	5,383	\$10.44	\$56,199	\$12.25	17.3%
41	16-Foot Smooth Concrete Post	COUNT	2,064	\$10.44	\$21,548	\$12.25	17.3%
42	13-Foot Fluted Concrete Post	COUNT	13,860	\$14.25	\$197,505	\$16.72	17.3%
43	Decorative Aluminum 12-Foot Post	COUNT	2,772	\$17.09	\$47,373	\$20.05	17.3%
44	Decorative 35- or 39-Foot Tapered Metal Pole	COUNT	24	\$27.14	\$651	\$31.84	17.3%
45	System Metal Pole	COUNT	216	\$0.93	\$201	\$1.15	23.7%
46	Masterpiece Series A 9,000 Lumen Fixture	COUNT	7,109	\$15.35	\$109,123	\$16.42	7.0%
47	Masterpiece Series B 9,000 Lumen Fixture	COUNT	12,748	\$16.50	\$210,342	\$17.57	6.5%
48	Masterpiece Series A 12-Foot Decorative Post 9,000 Lumen	COUNT	4,111	\$17.09	\$70,257	\$20.05	17.3%
49	Masterpiece Series A 16-Foot Decorative Post 9,000 Lumen	COUNT	6,908	\$20.89	\$144,308	\$24.51	17.3%
50	Masterpiece Series A 9,500 Lumen Fixture	COUNT	11,820	\$13.57	\$160,397	\$14.49	6.8%
51	Masterpiece Series B 9,500 Lumen Fixture	COUNT	45,042	\$14.72	\$663,018	\$15.64	6.3%
52	Masterpiece Series A 12-Foot Decorative Post 9,500 Lumen	COUNT	14,327	\$17.09	\$244,848	\$20.05	17.3%
53	Masterpiece Series A 16-Foot Decorative Post 9,500 Lumen	COUNT	15,137	\$20.89	\$316,212	\$24.51	17.3%
54	Masterpiece Series A 12-Foot Decorative Post LED 50	COUNT	934	\$17.09	\$15,962	\$20.05	17.3%
55	Masterpiece Series A 16-Foot Decorative Post LED 50	COUNT	3,476	\$20.89	\$72,614	\$24.51	17.3%
56	Masterpiece Series A LED 50 Fixture	COUNT	8,263	\$11.55	\$85,935	\$11.04	6.2%
57	Masterpiece Series B LED 50 Fixture	COUNT	4,096	\$11.55	\$47,309	\$12.19	5.5%
58	Masterpiece Series A 12-Foot Decorative Post LED 75	COUNT	322	\$17.09	\$5,503	\$20.05	17.3%
59	Masterpiece Series A 16-Foot Decorative Post LED 75	COUNT	132	\$20.89	\$2,757	\$24.51	17.3%
60	Masterpiece Series B LED 75 Fixture	COUNT	0	\$10.66	\$0	\$11.32	6.2%
61	Masterpiece Series A LED 75 Fixture	COUNT	3,942	\$11.81	\$46,555	\$12.47	5.6%
64	Masterpiece Series A Twin Mounting Bracket	COUNT	2,756	\$5.00	\$13,780	\$5.00	0.0%
55	Masterpiece Series A Adder	COUNT		\$3.00	\$0	\$3.00	0.0%
56	Masterpiece Series B Adder	COUNT		\$4.15	\$0	\$4.15	0.0%
57	Rate Schedule Revenue			\$20,837,994		\$22,953,779	
58	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$20,865,467		\$22,984,042	
59	Plus Rider Revenues (None)		340,578	(\$0.00100)	\$0	\$0	
60	Plus EE Opt-Out Credit			(\$341)	(\$0.00100)	(\$341)	
61	Plus DSM Opt-Out Credit		341,682	\$0.00000	\$0	\$0	
62	TOTAL REVENUE, Adjusted for Service Riders			\$20,865,126		\$22,983,701	10.2%
63	Remove Current Clause Revenue Adjustments (Per Rider BA w/ GRT & Reg. Fee)						
64	Approved Fuel EMF Rider	KWH	69,380,618	\$0.00886	\$614,712	\$0.00886	\$614,712
65	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	69,040,040	\$0.00100	\$69,040	\$0.00100	\$69,040
66	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	69,038,936	\$0.00000	\$0	\$0.00000	\$0
67	Rider JAA Revenue	KWH	69,380,618	\$0.00000	\$0	\$0.00000	\$0



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Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
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68	Rider EDIT Revenue		69,380.618	(\$0.00114)	(\$79.094)	(\$0.00114)	(\$79.094)	
69	Fuel Deficiency Rider FED	KWH	69,380.618	(\$0.00046)	(\$31.915)	(\$0.00046)	(\$31.915)	
70	Rider EDIT-2 Revenue		69,038.936	\$0.00000	\$0	(\$0.01367)		
71	Rider RAL-1 Revenue		69,380.618	\$0.00000	\$0	(\$0.00005)		
72	Total Adjustments				\$572.743		\$572.743	
73	BASE REVENUE, Excluding All Clauses				\$20,292.383		\$22,410.958	
74	Proposed Change in BASE REVENUES						\$2,118.575	10.4%

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## North Carolina Schedule SLS

	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
<b>Spread Factor Calculation</b>						
76 Annual Revenue at Current Rates			\$20,837,994			
77 Plus Rider Revenues			\$0			
79 Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)						
80 Impact of 1/18 EE Rate Change	KWH	3,113,169	(\$125)			(\$0.0004) effective 11/12/18
81 Impact of 1/18 DSM Rate Change	KWH	3,113,169	\$0			\$0.00000 effective 11/12/18
82 Impact of 3/16/18 Rate Case			(\$34,980)			Varies effective 3/16/18
83 Impact of 6/18 Fuel Deficiency Rider	KWH	28,815,012	(\$80,682)			(\$0.00280) effective 6/1/2018
84 Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-20,042,324	(\$10,222)			\$0.00051 effective 9/1/2018
85 Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	66,921,116	\$773,608			\$0.01156 effective 12/1/2018
86 Impact of 12/18 JAA Rate Change	KWH	66,921,116	\$0			\$0.00000 effective 12/1/2018
87 Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	69,390,618	(\$5,550)			\$0.00000 effective 1/1/2019
88 Less 2018 EE Opt-Out Revenue (Source: RMCRYE, RMCRYE CIM Reports)	DOLLARS		\$363			
89 Less 2018 DSM Opt-Out Revenue (Source: RMCRYD, RMCRYD CIM Reports)	DOLLARS		\$0			
90 Adjusted Annual Revenue Based upon Rate Determinants			\$20,195,582			
91 Book Revenues (Source: RMC1Y)			\$20,222,208			
92 Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.868332%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	
(\$0.0004)	effective 11/12/18
\$0.00000	effective 11/12/18
Varies	effective 3/16/18
(\$0.00280)	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.01156	effective 12/1/2018
\$0.00000	effective 12/1/2018
(\$0.00008)	effective 1/1/2019

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North Carolina Schedule SLR

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates		Annual Revenue @ Proposed Rates		Percent Change in Rate
					Proposed Rates	Proposed Rates	Proposed Rates	Percent Change	
1	OH/1 light per 10 customers/7,000 Lumen MV	COAT	1,371	\$1.20	\$1.645	\$1.32	\$1,810	10.0%	
2	OH/1 light per 10 customers/9,500 Lumen SV	COAT	3,333	\$1.20	\$4,000	\$1.32	\$4,400	10.0%	
3	OH/1 light per 10 customers/LED 50	COAT	13,792	\$0.95	\$13,102	\$1.05	\$14,482	10.5%	
4	OH/1 light per 10 customers/12,000 Lumen SV	COAT	0	\$1.35	\$0	\$1.49	\$0	10.4%	
5	OH/1 light per 5 customers/7,000 Lumen MV	COAT	12,430	\$2.39	\$29,708	\$2.63	\$32,691	10.0%	
6	OH/1 light per 5 customers/9,500 Lumen SV	COAT	51,757	\$2.39	\$123,699	\$2.63	\$136,121	10.0%	
7	OH/1 light per 5 customers/LED 50	COAT	636	\$2.66	\$1,722	\$2.10	\$1,341	9.9%	
8	OH/1 light per 5 customers/12,000 Lumen SV	COAT	423	\$3.93	\$1,662	\$4.33	\$1,832	10.2%	
9	OH/1 light per 3 customers/7,000 Lumen MV	COAT	21,617	\$3.11	\$64,965	\$3.42	\$69,602	10.2%	
10	OH/1 light per 3 customers/9,500 Lumen SV	COAT	108	\$1.66	\$179	\$1.83	\$198	10.2%	
11	OH/1 light per 3 customers/LED 50	COAT	3,903	\$1.66	\$6,479	\$1.83	\$7,142	10.2%	
12	UG/1 light per 10 customers on wood pole 7,000 lumen	COAT	4,545	\$1.36	\$6,181	\$1.50	\$6,818	10.3%	
13	UG/1 light per 10 customers on wood pole 9,500 lumen	COAT	492	\$1.61	\$791	\$2.00	\$984	10.5%	
14	UG/1 light per 10 customers on wood pole 12,000 lumen	COAT	10,012	\$3.32	\$33,240	\$3.65	\$36,544	9.9%	
15	UG/1 light per 5 customers on wood pole 7,000 lumen	COAT	163,229	\$3.32	\$508,320	\$3.65	\$566,786	9.9%	
16	UG/1 light per 5 customers on wood pole 9,500 lumen	COAT	64,092	\$2.73	\$174,971	\$3.01	\$192,917	10.3%	
17	UG/1 light per 5 customers on wood pole LED 50	COAT	1,803	\$3.61	\$6,509	\$3.97	\$7,158	10.0%	
18	UG/1 light per 5 customers on wood pole 12,000 lumen	COAT	218	\$5.48	\$1,195	\$6.03	\$1,315	10.0%	
19	UG/1 light per 3 customers on wood pole 7,000 lumen	COAT	33,851	\$5.48	\$185,503	\$6.03	\$204,122	10.0%	
20	UG/1 light per 3 customers on wood pole 9,500 lumen	COAT	1,051	\$4.49	\$4,719	\$4.94	\$5,192	10.0%	
21	UG/1 light per 3 customers on wood pole LED 50	COAT	578	\$1.89	\$1,092	\$2.08	\$1,202	10.1%	
22	UG/1 light per 10 customers on fiberglass/metal pole or post 7,000 lumen	COAT	1,622	\$1.89	\$3,066	\$2.08	\$3,374	10.1%	
23	UG/1 light per 10 customers on fiberglass/metal pole or post 9,500 lumen	COAT	1,940	\$1.96	\$3,065	\$1.74	\$3,376	10.1%	
24	UG/1 light per 10 customers on fiberglass/metal pole LED 50	COAT	2,656	\$1.96	\$5,206	\$2.16	\$5,737	10.2%	
25	UG/1 light per 10 customers on fiberglass/metal pole LED 50	COAT	0	\$2.04	\$0	\$2.25	\$0	10.3%	
26	UG/1 light per 6 customers on fiberglass/metal pole or post 7,000 lumen	COAT	39,687	\$3.13	\$124,220	\$3.45	\$136,920	10.2%	
27	UG/1 light per 6 customers on fiberglass/metal pole or post 9,500 lumen	COAT	412,151	\$2.63	\$1,290,033	\$2.90	\$1,421,921	10.2%	
28	UG/1 light per 6 customers on fiberglass/metal pole or post 12,000 lumen	COAT	42,557	\$2.63	\$111,925	\$2.90	\$123,415	10.3%	
29	UG/1 light per 6 customers on fiberglass/metal pole LED 50	COAT	2,066	\$3.26	\$6,833	\$3.59	\$7,525	10.1%	
30	UG/1 light per 6 customers on fiberglass/metal pole LED 50	COAT	504	\$3.37	\$1,698	\$3.71	\$1,670	10.1%	
31	UG/1 light per 6 customers on fiberglass/metal pole or post 12,000 lumen	COAT	2,519	\$6.23	\$15,693	\$6.86	\$17,260	10.1%	
32	UG/1 light per 3 customers on fiberglass/metal pole or post 7,000 lumen	COAT	506,954	\$6.23	\$3,198,323	\$6.86	\$3,477,704	10.1%	
33	UG/1 light per 3 customers on fiberglass/metal pole or post 9,500 lumen	COAT	6,860	\$6.21	\$42,741	\$6.74	\$46,376	10.2%	
34	UG/1 light per 3 customers on fiberglass/metal pole LED 50	COAT	2,656	\$6.44	\$17,105	\$7.09	\$18,831	10.1%	
35	UG/1 light per 3 customers on fiberglass/metal pole LED 50	COAT	0	\$0.15	\$0	\$0.17	\$0	13.3%	
36	12,000 lumen retrofit adder - 1 per 10	0	0	\$0	\$0	\$0.17	\$0	10.3%	
37	12,000 lumen retrofit adder - 1 per 5	0	0	\$0.24	\$0	\$0.26	\$0	8.3%	
38	UG Only Charge/1 light per 10 customers on wood pole 7,000/12,000 lumen	COAT	0	\$0.30	\$0	\$0.33	\$0	10.0%	
39	UG Only Charge/1 light per 10 customers on wood pole 9,500 lumen	COAT	0	\$0.30	\$0	\$0.33	\$0	10.0%	
40	UG Only Charge/1 light per 10 customers on wood pole 7,000/12,000 lumen	COAT	0	\$0.66	\$0	\$0.62	\$0	10.7%	
41	UG Only Charge/1 light per 10 customers on wood pole 7,000/12,000 lumen	COAT	0	\$0.73	\$0	\$0.73	\$0	10.6%	
42	UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post 7,000/12,000 lumen	COAT	0	\$0.36	\$0	\$0.40	\$0	11.1%	
43	UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post 9,500 lumen	COAT	228	\$0.61	\$139	\$0.67	\$153	9.8%	
44	UG Only Charge/1 light per 6 customers on fiberglass/metal pole or post 7,000/12,000 lumen	COAT	0	\$0.71	\$0	\$0.78	\$0	9.9%	
45	UG Only Charge/1 light per 6 customers on fiberglass/metal pole or post 9,500 lumen	COAT	0	\$0.41	\$0	\$0.45	\$0	9.8%	
46	UG Only Charge/1 light per 10 customers on wood pole 9,500 lumen	COAT	108	\$0.75	\$81	\$0.83	\$90	10.7%	
47	UG Only Charge/1 light per 5 customers on wood pole 9,500 lumen	COAT	72	\$0.50	\$65	\$0.59	\$71	10.0%	
48	UG Only Charge/1 light per 5 customers on wood pole 9,500 lumen	COAT	7,444	\$0.50	\$0	\$0.55	\$0	10.0%	
49	UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post 9,500 lumen	COAT	216	\$0.86	\$6,402	\$0.96	\$7,072	10.5%	
50	UG Only Charge/1 light per 6 customers on fiberglass/metal pole or post 7,000/12,000 lumen	COAT	0	\$1.01	\$218	\$1.11	\$240	9.9%	
51	UG Only Charge/1 light per 10 customers on wood pole LED 50	COAT	0	\$0.38	\$0	\$0.42	\$0	10.5%	
52	UG Only Charge/1 light per 5 customers on wood pole LED 50	COAT	0	\$0.76	\$0	\$0.84	\$0	10.5%	
53	UG Only Charge/1 light per 3 customers on wood pole LED 50	COAT	0	\$1.26	\$0	\$1.39	\$0	10.3%	
54	UG Only Charge/1 light per 3 customers on wood pole LED 50	COAT	0	\$1.26	\$0	\$1.39	\$0	10.3%	

Duke Energy Progress, LLC  
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### North Carolina Schedule SLR

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
55	CO&MT	0	\$0.40	\$0	\$0.44	\$0	10.0%
56	UG Only Charge/1 light per 10 customers on fiberglass/metal pole or post LED 50	CO&MT	0	\$0.67	\$0.74	\$0	10.4%
57	UG Only Charge/1 light per 6 customers on fiberglass/metal pole or post LED 50	CO&MT	0	\$1.33	\$1.46	\$0	9.8%
58	Retail Sodium Vapor Adder						
59	1 light per 10 customers		\$0.15	\$0.17	\$0.17		13.3%
60	1 light per 5 customers		\$0.29	\$0.32	\$0.32		10.3%
61	1 light per 6 customers		\$1.22	\$1.34	\$1.34		9.8%
62	Rate Schedule Revenue			\$6,201,130	\$6,823,794		
63	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$6,116,057	\$6,735,110		
64	Plus Rider Revenues (None)			\$0	\$0		
65	Plus EE Opt-Out Credit	0	(\$0.00100)	\$0	(\$0.00100)	\$0	
66	Plus DSM Opt-Out Credit	0	\$0.00000	\$0	\$0.00000	\$0	
67	TOTAL REVENUE, Adjusted for Service Riders			\$6,116,057	\$6,735,110		10.1%
68	Remove Current Clause Revenue Adjustments						
69	Approved Fuel EMF Rider	KWH	15,593,091	\$0.00866	\$138,155	\$138,155	
70	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	15,593,091	\$0.00100	\$0.00100	\$15,593	
71	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	15,593,091	\$0.00000	\$0.00000	\$0	
72	Rider JAA Revenue	KWH	15,593,091	\$0.00000	\$0.00000	\$0	
73	Rider EDT Revenue	KWH	15,593,091	(\$0.00114)	(\$17,776)	(\$0.00114)	
74	Fuel Deficiency Rider FFD	KWH	15,593,091	(\$0.00046)	(\$7,173)	(\$0.00046)	
75	Rider EDT-2 Revenue		15,593,091	\$0.00000	\$0	(\$0.01367)	
76	Rider BA-1 Revenue		15,593,091	\$0.00000	\$0	(\$0.00005)	
77	Total Adjustments			\$128,799	\$128,799		
78	BASE REVENUE, Excluding All Clauses			\$5,987,258	\$6,606,311		
79	Proposed Change in Base Revenues			\$619,053	10.3%		
80	Spread Factor Calculation						
81	Annual Revenue at Current Rates			\$6,201,130			
82	Plus Rider Revenues			\$0			
83	Less All Rate Adjustments (Real Year Rate Changes adjusted by Memo Revenue Sales)	Impacted kWh	Revenue Impact				
84	Less 1/18 EE Rate Change	KWH	779,797	(\$51)			
85	Impact of 1/18 DSM Rate Change	KWH	779,797	\$0			
86	Impact of 3/16/18 Rate Case	KWH		\$10,243			
87	Impact of 6/18 Fuel Deficiency Rider	KWH	6,524,194	(\$18,289)			
88	Impact of 9/18 JRP Recovery Rider (expired/reverse)	KWH	4,827,371	(\$2,309)			
89	Impact of 12/18 JAA Rate Change	KWH	14,962,662	\$173,200			
90	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	14,962,631	\$0			
91	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	15,593,091	(\$1,247)			
92	Less 2018 EE Opt-Out Revenue (Source: RUCYTE-RAPTORVE CH Reports)	DO&LMS		\$0			
93	Less 2018 DSM Opt-Out Revenue (Source: RUCYTE-RAPTORVE CH Reports)	DO&LMS		\$0			
94	Adjusted Annual Revenue Based Upon Rate Determinants			\$6,039,543			
95	Book (Book Revenues (Source: RUCY))			\$5,965,696			
96	Spread Factor (Adjusted Annual Revenue/Book Revenue)			101.300986%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	effective 11/2018
(\$0.00004)	effective 11/2018
\$0.00000	effective 11/2018
Var/0es	effective 3/16/18
(\$0.00280)	effective 9/12018
\$0.00061	effective 9/12018
\$0.01155	effective 12/12018
\$0.00000	effective 12/12018
(\$0.00009)	effective 11/2019

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## North Carolina Rider RECD

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
<b>Schedule</b>							
1 RES	kWh	1,137,491,579	(\$0.00509)	(\$5,789,832)	(\$0.00599)	(\$6,813,575)	17.7%
2 RES	kWh	2,238,556,617	(\$0.00485)	(\$10,954,000)	(\$0.00569)	(\$12,851,187)	17.3%
3							
4 R-TOUD	kWh	68,128,651	(\$0.00346)	(\$235,725)	(\$0.00406)	(\$276,602)	17.3%
5 R-TOUD	kWh	117,165,117	(\$0.00274)	(\$321,032)	(\$0.00323)	(\$378,443)	17.9%
6 R-TOUD	kWh	314,199	(\$0.24)	(\$75,408)	(\$0.28)	(\$87,976)	16.7%
7 R-TOUD	kWh	747,183	(\$0.20)	(\$149,437)	(\$0.23)	(\$171,852)	15.0%
8							
9 R-TOU	kWh	1,197,108	(\$0.01163)	(\$13,922)	(\$0.01433)	(\$17,155)	23.2%
10 R-TOU	kWh	1,422,743	(\$0.01105)	(\$15,721)	(\$0.01359)	(\$19,335)	23.0%
11 R-TOU	kWh	872,336	(\$0.00587)	(\$5,121)	(\$0.00700)	(\$6,106)	19.3%
12 R-TOU	kWh	2,048,679	(\$0.00573)	(\$11,739)	(\$0.00682)	(\$13,972)	19.0%
13 R-TOU	kWh	13,271,466	(\$0.00341)	(\$45,256)	(\$0.00386)	(\$51,228)	13.2%
14							
15 Annual Revenue at Current/Proposed Rates				(\$17,525,434)		(\$20,579,635)	17.4%

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.



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## North Carolina Rider 7

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
<b>Schedule</b>							
1 LGS-TOU	kW	4,800	\$1.26	\$6,048	\$1.26	\$6,048	0.0%
2 LGS-TOU	kW	62,978	\$0.97	\$61,089	\$0.97	\$61,089	0.0%
3 LGS-TOU	kW	0	\$1.55	\$0	\$1.55	\$0	0.0%
4 LGS-TOU	kW	0	\$0.39	\$0	\$0.39	\$0	0.0%
5 LGS-RTP-TOU	kW	2,400	\$1.26	\$3,024	\$1.26	\$3,024	0.0%
6 LGS-RTP-TOU	kW	141,600	\$0.97	\$137,352	\$0.97	\$137,352	0.0%
7 LGS-RTP-TOU	kW	0	\$1.55	\$0	\$1.55	\$0	0.0%
8 LGS-RTP-TOU	kW	0	\$1.55	\$0	\$1.55	\$0	0.0%
9							
<sup>10</sup> Annual Revenue at Current/Proposed Rates				\$207,513		\$207,513	0.0%

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## North Carolina Rider 9

Current and Proposed Billing Units and Revenues								
	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate	
North Carolina Rider 9								
<u>Schedule</u>								
1	SGS	HFL KVA	3,249	\$0.41	\$1,332	\$0.41	\$1,332	0.0%
2	SGS-TOU	HFL KVA	8,328	\$0.41	\$3,414	\$0.41	\$3,414	0.0%
3	MGS	HFL KVA	87,252	\$0.41	\$35,773	\$0.41	\$35,773	0.0%
4	LGS	HFL KVA	4,800	\$0.41	\$1,968	\$0.41	\$1,968	0.0%
5	LGS-TOU	HFL KVA	5,988	\$0.41	\$2,455	\$0.41	\$2,455	0.0%
6								
7 Annual Revenue at Current/Proposed Rates					\$44,943		\$44,943	0.0%

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### North Carolina Rider LLC

Current and Proposed Billing Units and Revenues							
	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
North Carolina Rider LLC							

Duke Energy Progress, LLC

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Twelve Months Ended December 31, 2018

Current and Proposed Billing Units and Revenues

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## North Carolina Rider LLC

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Twelve Months Ended December 31, 2018										
Current and Proposed Billing Units and Revenues										
				Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
North Carolina Rider LLC										

NOTE: There were no Level 1 Buy-Through opportunities in the test year

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### North Carolina Rider 68

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Twelve Months Ended December 31, 2018										
Current and Proposed Billing Units and Revenues										
				Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
North Carolina Rider 68										
<b>Schedule</b>										
1	LGS	Customer Charge	COUNT	24		\$50.00	\$1,200	\$65.00	\$1,560	30.0%
2	LGS-TOU	Customer Charge	COUNT	36		\$50.00	\$1,800	\$65.00	\$2,340	30.0%
3	LGS	Incremental On-peak kWh	KWH	25,817		\$0.01500	\$387	\$0.01500	\$387	0.0%
4	LGS-TOU	Incremental On-peak kWh	KWH	936,115		\$0.01500	\$14,042	\$0.01500	\$14,042	0.0%
5										
6 Annual Revenue at Current/Proposed Rates							\$17,429		\$18,329	5.2%



Duke Energy Progress, LLC

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Twelve Months Ended December 31, 2018

Current and Proposed Billing Units and Revenues

## North Carolina Rider IPS

Duke Energy Progress, LLC NCUC Docket No. E-2, Sub 1219 Twelve Months Ended December 31, 2018 Current and Proposed Billing Units and Revenues					NCUC Form E-1 - Item No. 42(C)					
North Carolina Rider IPS										
						Revised				
		Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Test Year Billing Units	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate	
<b>Schedule</b>										
1	LGS	Customer Charge	COUNT	0	\$50.00	\$0	0	\$65.00	\$0	30.0%
2	LGS-TOU	Customer Charge	COUNT	84	\$50.00	\$4,200	84	\$65.00	\$5,460	30.0%
3	LGS	Incremental On-peak kWh	kWh	0	\$0.01500	\$0	0	\$0.01500	\$0	0.0%
4	LGS-TOU	Incremental On-peak kWh	kWh	11,066,583	\$0.01500	\$165,999	11,066,583	\$0.01500	\$165,999	0.0%
5										
6	Annual Revenue at Current/Proposed Rates					\$170,199		\$171,459	0.7%	

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 Current and Proposed Billing Units and Revenues

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## North Carolina Rider ED

Current and Proposed Billing Units and Revenues					Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
			Units	Billing Units	11/29/2019	Current Rates		Proposed Rates	Proposed Rates	In Rate
North Carolina Rider ED										
Schedule										
1	LGS	Year 1 ED kW (40-59% if)	KW	0	-3.39	\$0	-3.39	\$0	0.0%	
2	LGS	Year 1 ED kW (60-79% if)	KW	12,684	-55.32	(\$67,476)	-55.32	(\$67,476)	0.0%	
3	LGS	Year 1 ED kW (80%+ if)	KW	9,316	-7.26	(\$67,635)	-7.26	(\$67,635)	0.0%	
4	LGS	Year 2 ED kW (40-59% if)	KW	0	-2.71	\$0	-2.71	\$0	0.0%	
5	LGS	Year 2 ED kW (60-79% if)	KW	17,513	-4.26	(\$74,607)	-4.26	(\$74,607)	0.0%	
6	LGS	Year 2 ED kW (80%+ if)	KW	11,750	-5.81	(\$68,270)	-5.81	(\$68,270)	0.0%	
7	LGS	Year 3 ED kW (40-59% if)	KW	0	-2.03	\$0	-2.03	\$0	0.0%	
8	LGS	Year 3 ED kW (60-79% if)	KW	14,187	-3.19	(\$45,255)	-3.19	(\$45,255)	0.0%	
9	LGS	Year 3 ED kW (80%+ if)	KW	13,059	-4.36	(\$56,938)	-4.36	(\$56,938)	0.0%	
10	LGS	Year 4 ED kW (40-59% if)	KW	0	-1.35	\$0	-1.35	\$0	0.0%	
11	LGS	Year 4 ED kW (60-79% if)	KW	0	-2.13	\$0	-2.13	\$0	0.0%	
12	LGS	Year 4 ED kW (80%+ if)	KW	0	-2.90	\$0	-2.90	\$0	0.0%	
13	LGS	Year 5 ED kW (40-59% if)	KW	8,260	-0.68	(\$5,617)	-0.68	(\$5,617)	0.0%	
14	LGS	Year 5 ED kW (60-79% if)	KW	60,582	-1.06	(\$64,217)	-1.06	(\$64,217)	0.0%	
15	LGS	Year 5 ED kW (80%+ if)	KW	6,427	-1.45	(\$9,319)	-1.45	(\$9,319)	0.0%	
16	LGS-TOU	Year 1 ED kW (40-59% if)	KW	2,647	-3.39	(\$8,973)	-3.39	(\$8,973)	0.0%	
17	LGS-TOU	Year 1 ED kW (60-79% if)	KW	0	-5.32	\$0	-5.32	\$0	0.0%	
18	LGS-TOU	Year 1 ED kW (80%+ if)	KW	0	-7.26	\$0	-7.26	\$0	0.0%	
19	LGS-TOU	Year 2 ED kW (40-59% if)	KW	10,216	-2.71	(\$27,687)	-2.71	(\$27,687)	0.0%	
20	LGS-TOU	Year 2 ED kW (60-79% if)	KW	0	-4.26	\$0	-4.26	\$0	0.0%	
21	LGS-TOU	Year 2 ED kW (80%+ if)	KW	0	-5.81	\$0	-5.81	\$0	0.0%	
22	LGS-TOU	Year 3 ED kW (40-59% if)	KW	0	-2.03	\$0	-2.03	\$0	0.0%	
23	LGS-TOU	Year 3 ED kW (60-79% if)	KW	1,276	-3.19	(\$4,070)	-3.19	(\$4,070)	0.0%	
24	LGS-TOU	Year 3 ED kW (80%+ if)	KW	2,515	-4.36	(\$10,964)	-4.36	(\$10,964)	0.0%	
25	LGS-TOU	Year 4 ED kW (40-59% if)	KW	0	-1.35	\$0	-1.35	\$0	0.0%	
26	LGS-TOU	Year 4 ED kW (60-79% if)	KW	0	-2.13	\$0	-2.13	\$0	0.0%	
27	LGS-TOU	Year 4 ED kW (80%+ if)	KW	0	-2.90	\$0	-2.90	\$0	0.0%	
28	LGS-TOU	Year 5 ED kW (40-59% if)	KW	0	-0.68	\$0	-0.68	\$0	0.0%	
29	LGS-TOU	Year 5 ED kW (60-79% if)	KW	1,346	-1.06	(\$1,426)	-1.06	(\$1,426)	0.0%	
30	LGS-TOU	Year 5 ED kW (80%+ if)	KW	2,746	-1.45	(\$3,982)	-1.45	(\$3,982)	0.0%	
31	22 Annual Revenue at Current/Proposed Rates					(\$516,436)		(\$516,436)	0.0%	

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Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
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## North Carolina Rider ERD

Schedule		ERD Discount Amount	DOLLARS		ERD Discount Amount	DOLLARS		ERD Discount Amount	DOLLARS	
1	SGS-TOU		\$0	-1	\$0	-1	\$0	0.0%		
2	LGS		\$0	-1	\$0	-1	\$0	0.0%		
3	LGS-TOU		\$0	-1	\$0	-1	\$0	0.0%		
4										
5 Annual Revenue at Current/Proposed Rates			\$0				\$0	#DIV/0!		

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## North Carolina Rider SS

Current and Proposed Billing Units and Revenues					Test Year	Current Rates @	Annual Revenue @	Annual Revenue @	Percent Change
		Units	Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	in Rate	
North Carolina Rider SS									
Schedule									
Generation with a Planning Capacity Factor below 60%									
1	SGS-TOU			75,371	\$0.75	\$56,528	\$0.75	\$56,528	
2	MGS			3,000	\$0.75	\$2,250	\$0.75	\$2,250	
3	LGS			4,356	\$0.75	\$3,267	\$0.75	\$3,267	
4	LGS-TOU			37,896	\$0.75	\$28,422	\$0.75	\$28,422	
5	LGS-RTP-TOU			137,856	\$0.75	\$103,392	\$0.75	\$103,392	
6									
7	Generation with a Planning Capacity Factor of 60% or greater*								
8	SGS			0	\$0.75	\$0	\$0.75	\$0	
9	SGS			0	\$1.63	\$0	\$1.58	\$0	
10	SGS			0	\$2.62	\$0	\$2.59	\$0	
11									
12 Annual Revenue at Current/Proposed Rates						\$193,859		\$193,859	

\* NOTE: See Worksheet: Rider SS Adjustment Current/Proposed to address RTP hourly revenue associated with the use of standby service.

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## North Carolina Rider NFS

Current and Proposed Billing Units and Revenues									
	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate		
North Carolina Rider NFS									
Schedule									
1	SGS	NFS Notification Charge	COUNT	12	\$50.00	\$600	\$65.00	\$780	30.0%
2	SGS	Standby Sales (Transmission)	KWH	1,404,218	\$0.00307	\$4,311	\$0.00355	\$4,985	15.6%
3	SGS	Standby Sales (Distribution)	KWH	0	\$0.00481	\$0	\$0.00602	\$0	25.2%
4									
5	SGS-TOU	NFS Notification Charge	KWH	12	\$50.00	\$600	\$65.00	\$780	30.0%
6	SGS-TOU	Standby Sales (Transmission)	KWH	10,731,663	\$0.00307	\$32,946	\$0.00355	\$38,097	15.6%
7	SGS-TOU	Standby Sales (Distribution)	COUNT	0	\$0.00481	\$0	\$0.00602	\$0	25.2%
8									
9	LGS	NFS Notification Charge	COUNT	12	\$50.00	\$600	\$65.00	\$780	30.0%
10	LGS	Standby Sales (Transmission)	KWH	51,917	\$0.00307	\$159	\$0.00355	\$184	15.6%
11	LGS	Standby Sales (Distribution)	KWH	0	\$0.00481	\$0	\$0.00602	\$0	25.2%
12									
13	LGS-RTP-TOU	Notification Customer Charge	COUNT	12	\$50.00	\$600	\$65.00	\$780	30.0%
14	LGS-RTP-TOU	Standby Usage - Transmission	KWH	25,704,049	\$0.00307	\$78,911	\$0.00355	\$91,249	15.6%
15	LGS-RTP-TOU	Standby Usage - Distribution	KWH	0	\$0.00481	\$0	\$0.00602	\$0	25.2%
16									
17									
18 Annual Revenue at Current/Proposed Rates					\$118,728		\$137,636		15.9%

\* NOTE: See Worksheet: Rider NFS Adjustment Current/Proposed to address RTP hourly revenue associated with the use of standby service.



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### Miscellaneous Revenues (Not Reported as Tariff Revenue)

Current and Proposed Billing Units and Revenues				Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
Miscellaneous Revenues (Not Reported as Tariff Revenue)										
Schedule										
1	North Carolina Service Regulations	NC Service Charge Revenue	COUNT		321,919	\$17.00	\$5,472,623	\$9.14	\$2,942,340	-46.2%
2	North Carolina Service Regulations	NC Service Charge - Landlord Revenue	COUNT		57,598	\$5.35	\$308,149	\$2.00	\$115,196	-62.6%
3	North Carolina Service Regulations	NC Reconnect Charge Revenue	COUNT		35,263	\$19.00	\$669,997	\$12.94	\$456,303	-31.9%
4	North Carolina Service Regulations	NC After Hours Reconnect Charge Revenue	COUNT		5,877	\$23.235	\$136,235	\$19.48	\$114,484	-64.6%
5	North Carolina Service Regulations	NC Returned Check Charge Revenue	COUNT		42,192	\$5.00	\$210,960	\$5.00	\$210,960	0.0%
6	North Carolina Service Regulations	NC Additional Facilities Charges (Non-Contributory)	DOLLARS		4,617,085	1.00%	\$4,617,085	1.00%	\$4,617,085	0.0%
7	North Carolina Service Regulations	NC Additional Facilities Charges (Contributory)	DOLLARS		4,040,557	0.40%	\$4,040,557	0.30%	\$3,030,418	-25.0%
8	North Carolina Service Regulations	NC Meter Test - Non-Demand	COUNT		0	\$40.00	\$0	\$45.00	\$0	12.5%
9	North Carolina Service Regulations	NC Meter Test - Demand or TOU	COUNT		0	\$50.00	\$0	\$57.00	\$0	14.0%
10	North Carolina Rider PPS	NC Premier Power Charge Revenue	DOLLARS		2,444,047	1	\$2,444,047	1	\$2,444,047	0.0%
11	North Carolina Rider MROP	Total Meter	COUNT		243	\$3.00	\$729	\$3.10	\$753	3.3%
12	North Carolina Rider MROP	Total Meter - Wireless	COUNT		120	\$13.20	\$1,584	\$13.20	\$1,584	0.0%
13	North Carolina Rider MROP	Total Meter Termination Charge	COUNT		0	\$50.00	\$0	\$50.00	\$0	0.0%
14	North Carolina Rider MROP	EPO - Monthly	COUNT		2,415	\$20.00	\$48,300	\$20.00	\$48,300	0.0%
15	North Carolina Rider MROP	EPO - Totalized Monthly	COUNT		0	\$20.00	\$0	\$20.00	\$0	0.0%
16	North Carolina Rider MROP	EPO - Daily	COUNT		2,295	\$20.00	\$45,900	\$20.00	\$45,900	0.0%
17	North Carolina Rider MROP	EPO Set-Up Charge	COUNT		9	\$85.00	\$765	\$85.00	\$765	0.0%
18	North Carolina Rider MROP	EPO Set-Up Charge - Totalized	COUNT		3	\$85.00	\$255	\$85.00	\$255	0.0%
19	North Carolina Rider MROP	Non-Standard Meter Monthly Rate	COUNT		1,455	\$0.33	\$480	\$0.61	\$888	84.8%
20	North Carolina Rider MROP	Non-Standard Meter Set-Up	COUNT		0	\$15.00	\$0	\$16.50	\$0	10.0%
21	North Carolina Rider MROP	Non-Standard Meter Exchange	COUNT		0	\$77.00	\$0	\$92.00	\$0	19.5%
22	North Carolina Rider MROP	MRM Initial Set-Up Fee	COUNT		0	\$170.00	\$0	\$170.00	\$0	0.0%
23	North Carolina Rider MROP	Monthly Rate for MRM	COUNT		0	\$14.75	\$0	\$14.75	\$0	0.0%
24	North Carolina Rider MROP	MRM Early Termination Charge	COUNT		0	\$50.00	\$0	\$50.00	\$0	0.0%
25	North Carolina Service Regulations (Lighting)	NC Additional Facilities Charges (Non-Contributory)	DOLLARS		3,848,777	1.00%	\$3,848,777	1.00%	\$3,848,777	0.0%
26										
27	Annual Revenue at Current/Proposed Rates						\$22,033,443		\$17,878,054	-18.9%

Proforma Adjustment for Rate Revisions Impacting Miscellaneous Revenues (\$4,155,389)

**Minimum Bill Adjustments To Rate Class Rate Design Revenue Targets (MGS Class Only):**

	Current Rates		Proposed Rates		Calculated on a per customer basis and Included in Rider Revenues for both current and proposed revenues. (Source: Excel File)
	# of Customers	Revenue Impact	# of Customers	Revenue Impact	
Total					
APH-TES	1	\$	2	\$	8
CH-TOUE	61	\$	4,532	\$	9,881
CSE	40	\$	16,461	\$	24,444
CSG	1	\$	121	\$	212
SGS-TES	1	\$	1,944	\$	3,147
SGS-TOU	687	\$	105,962	\$	195,005

Duke Energy Progress, LLC  
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 Current and Proposed Billing Units and Revenues

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Units	Test Year Billing Units	Normal Tariff Rates @ 11/29/2019	Annual Revenue @ Current Rates	Rider NFS & Standard Tariff @ 11/29/2019	Annual Revenue @ Current Rates
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## North Carolina Rider NFS - Rate Adjustment Applicable to Schedule SGS Current Rates

1	SGS	NFS Notification Charge	COUNT	12				\$50.00	\$600
2	SGS	SGS Customer Charge	COUNT	12	\$21.00	\$252		\$21.00	\$252
3	SGS	BLOCK 1 - F RST 750 KWH (Supplementary)	KWH	0				\$0.11496	\$0
4	SGS	BLOCK 2 - NEXT 1,250 KWH (Supplementary)	KWH	0				\$0.09826	\$0
5	SGS	BLOCK 3 - ADDITIONAL KWH (Supplementary)	KWH	0				\$0.09372	\$0
6	SGS	Three Phase Charge	COUNT	12	\$7.00	\$84		\$7.00	\$84
7	SGS	Standby Usage Charge	DOLLARS	\$57,302				<sup>1</sup>	\$57,302
8	SGS	Rdr Adj Incremental Charge	KWH	1,404,218				\$0.00865	\$12,146
9	SGS	Standby Sales (Transmission)	KWH	1,404,218				\$0.00307	\$4,311
10	SGS	BLOCK 1 - F RST 750 KWH (Standby)	KWH	9,000	\$0.11496	\$1,035			
11	SGS	BLOCK 2 - NEXT 1,250 KWH (Standby)	KWH	15,000	\$0.09826	\$1,474			
12	SGS	BLOCK 3 - ADDITIONAL KWH (Standby)	KWH	1,380,218	\$0.09372	\$129,354			
13	SGS	NFS Notification Charge	COUNT	12		\$426		\$50.00	\$600
14	SGS-TOU	SGS-TOU Customer Charge	COUNT	12	\$35.50			\$35.50	\$426
15	SGS-TOU	On-peak KWH (Supplementary)	KWH	507,659				\$0.06460	\$32,795
16	SGS-TOU	Off-peak KWH (Supplementary)	KWH	961,810				\$0.05235	\$49,827
17	SGS-TOU	On-peak KW - Summer (Supplementary)	KW	734				\$10.53	\$7,725
18	SGS-TOU	On-peak KW - Non-Summer (Supplementary)	KW	1,426				\$8.65	\$12,623
19	SGS-TOU	Off-peak Excess KW (Supplementary)	KW	0				\$1.22	\$0
20	SGS-TOU	Standby Usage Charge	DOLLARS	\$472,678				<sup>1</sup>	\$472,678
21	SGS-TOU	Rdr Adj Incremental Charge	KWH	10,731,673				\$0.00865	\$92,829
22	SGS-TOU	Standby Sales (Transmission)	KWH	10,731,663				\$0.00307	\$32,946
23	SGS-TOU	Standby Sales (Distribution)	KWH	0				\$0.00481	\$0
24	SGS-TOU	Actual On-peak	KWH	4,335,067	\$0.06460	\$280,045			
25	SGS-TOU	Actual On-peak KW	KWH	7,804,423	\$0.05235	\$408,562			
26	SGS-TOU	Actual On-peak KW NonSummer	KW	9,069	\$10.53	\$95,497			
27	SGS-TOU	Actual Off-peak Excess KW	KW	17,938	\$8.65	\$158,749			
28	SGS-TOU	NFS Notification Charge	COUNT	12	\$1.22	\$53			
29	LGS	LGS Customer Charge	COUNT	12	\$200.00	\$2,400		\$50.00	\$600
30	LGS	Energy Charge (Supplementary)	KWH	68,163,687				\$200.00	\$2,400
31	LGS	BLOCK 1 - F RST 5000 KW (Supplementary)	KW	60,000	\$12.96	\$777,600		\$0.05796	\$3,950,767
32	LGS	BLOCK 2 - NEXT 5000 KW (Supplementary)	KW	60,000	\$11.96	\$717,600			
33	LGS	BLOCK 3 - OVER 10,000 KW (Supplementary)	KW	92,819	\$10.96	\$1,017,300			
34	LGS	Standby Usage Charge	DOLLARS	\$2,545				<sup>1</sup>	\$2,545
35	LGS	Rdr Adj Incremental Charge	KWH	51,931				\$0.00865	\$449
36	LGS	Standby Sales (Transmission)	KWH	51,917				\$0.00307	\$159

38	LGS	Standby Sales (Distribution)	KWH	0		\$0.00481	\$0
39	LGS	Energy Charge (Standby)	KWH	68,215,612			
40	LGS	Maximum kW (Standby)	KW	208,753	\$0,05796	\$3,953,777	
41	LGS	BLOCK 1 - F RST 5000 KW (Standby)	KW	60,000			\$12.96
42	LGS	BLOCK 2 - NEXT 5000 KW (Standby)	KW	60,000			\$11.96
43	LGS	BLOCK 3 - OVER 10,000 KW (Standby)	KW	88,753			\$10.96
44							\$972,731

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1	SGS	NFS Notification Charge	COUNT	12			\$65.00	\$780
2	SGS	SGS Customer Charge	COUNT	12	\$21.00		\$21.00	\$252
3	SGS	BLOCK 1 - F RST 750 KWH (Supplementary)	KWH	0			\$0.13580	\$0
4	SGS	BLOCK 2 - NEXT 1,250 KWH (Supplementary)	KWH	0			\$0.11606	\$0
5	SGS	BLOCK 3 - ADDITIONAL KWH (Supplementary)	KWH	0			\$0.11071	\$0
6	SGS	Three Phase Charge	COUNT	12	\$7.00		\$7.00	\$84
7	SGS	Standby Usage Charge	DOLLARS	\$57,302			0.9999	\$57,296
8	SGS	Rtr Adj Incremental Charge	KWH	1,404,218			\$0.00865	\$12,146
9	SGS	Standby Sales (Transmission)	KWH	1,404,218			\$0.00355	\$4,985
10	SGS	BLOCK 1 - F RST 750 KWH (Standby)	KWH	9,000	\$0.13580	\$1,222		
11	SGS	BLOCK 2 - NEXT 1,250 KWH (Standby)	KWH	15,000	\$0.11606	\$1,741		
12	SGS	BLOCK 3 - ADDITIONAL KWH (Standby)	KWH	1,380,218	\$0.11071	\$152,804		
13	SGS-TOU	NFS Notification Charge	COUNT	12			\$65.00	\$780
14	SGS-TOU	SGS-TOU Customer Charge	COUNT	12	\$35.50	\$426	\$35.50	\$426
15	SGS-TOU	On-peak KWh (Supplementary)	KWH	507,659			\$0.07100	\$36,044
16	SGS-TOU	Off-peak KWh (Supplementary)	KWH	961,810			\$0.05754	\$54,767
17	SGS-TOU	On-peak kW -Summer (Supplementary)	KW	734			\$11.58	\$8,496
18	SGS-TOU	On-peak kW -Non-Summer (Supplementary)	KW	1,426			\$9.73	\$13,878
19	SGS-TOU	Off-peak Excess kW (Supplementary)	KW	0			\$1.85	\$0
20	SGS-TOU	Standby Usage Charge	DOLLARS	\$472,678			0.9999	\$472,631
21	SGS-TOU	Rtr Adj Incremental Charge	KWH	10,731,673			\$0.00865	\$92,829
22	SGS-TOU	Standby Sales (Transmission)	KWH	10,731,663			\$0.00355	\$38,097
23	SGS-TOU	Standby Sales (Distribution)	KWH	0			\$0.00602	\$0
24	SGS-TOU	Actual On-peak	KWH	4,336,067	\$0.07100	\$307,790		
25	SGS-TOU	Actual Off-peak	KWH	7,804,423	\$0.05754	\$449,066		
26	SGS-TOU	Actual On-peak kW	KW	9,069	\$11.58	\$105,020		
27	SGS-TOU	Actual Off-peak kW Non-Summer	KW	17,938	\$9.73	\$174,534		
28	SGS-TOU	Actual Off-peak Excess kW	KW	43	\$1.85	\$80		
29	LGS	NFS Notification Charge	COUNT	12			\$65.00	\$780
30	LGS	LGS Customer Charge	COUNT	12	\$200.00	\$2,400	\$200.00	\$2,400
31	LGS	Energy Charge (Supplementary)	KWH	68,163,687			\$0.06327	\$4,312,716
32	LGS	BLOCK 1 - F RST 5000 KW (Supplementary)	KW	60,000	\$14.15	\$849,000		
33	LGS	BLOCK 2 - NEXT 5000 KW (Supplementary)	KW	60,000	\$13.15	\$789,000		
34	LGS	BLOCK 3 - OVER 10,000 KW (Supplementary)	KW	92,619	\$12.15	\$1,127,755		
35	LGS	Standby Usage Charge	DOLLARS	\$2,545			0.9999	\$2,545
36	LGS	Rtr Adj Incremental Charge	KWH	51,931			\$0.00865	\$449
37	LGS	Standby Sales (Transmission)	KWH	51,917			\$0.00355	\$184



Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

# North Carolina Rider NFS - Rate Adjustment Applicable to Schedule SGS Proposed Rates

Twelve Months Ended December 31, 2018			Rider NFS & SGS @ 11/29/2019		
Current and Proposed Billing Units and Revenues			Test Year Billing Units	Normal Tariff Rates @ 11/29/2019	Annual Revenue @ Current Rates
<b>North Carolina Rider NFS - Rate Adjustment Applicable to Schedule SGS Proposed Rates</b>					
38	LGS	Standby Sales (Distribution)	KWH	0	\$0.00602
39	LGS	Energy Charge (Standby)	KWH	68,215,612	\$0.06327
40	LGS	Maximum KW (Standby)	KW	208,753	\$4,316,002
41	LGS	BLOCK 1 - F RST 5000 KW (Standby)	KW	60,000	\$14.15
42	LGS	BLOCK 2 - NEXT 5000 KW (Standby)	KW	60,000	\$13.15
43	LGS	BLOCK 3 - OVER 10,000 KW (Standby)	KW	88,753	\$12.15
44	Annual Revenue at Current (1) SGS and (2) SGS w/ Rider NFS Rates				\$156,103
46	Annual Revenue at Current (1) SGS-TOU and (2) SGS-TOU w/ Rider NFS Rates				\$1,036,916
47	Annual Revenue at Current (1) LGS and (2) LGS w/ Rider NFS Rates				\$7,084,157
48					
49	<b>SGS Rate Adjustment</b>				<b>(\$80,560)</b>
50	<b>SGS-TOU Rate Adjustment</b>				<b>(\$318,968)</b>
51	<b>LGS Rate Adjustment</b>				<b>(\$48,736)</b>

**NOTE:** Billing units for customers served under SGS and Rider NFS are included in the SGS class, but usage is billed at RTP hourly rates. It is therefore necessary to adjust SGS calculated revenues by the difference between actual revenue under SGS/Rider NFS and revenue calculated at standard SGS rates.

Duke Energy Progress, LLC  
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 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

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### North Carolina Schedule LGS-RTP - Rate Adjustment Applicable to Schedule LGS Current Rates

	Actual Test Year Billing Units	LGS Rates @ 11/29/2019	LGS Revenue @ Current Rates	CBL Test Year Billing Units	LGS-RTP Rates @ 11/29/2019	LGS-RTP Revenue @ Current Rates
1	ALL					
2	ALL					
3	Block 1 - FIRST 5,000 KW					
4	Block 2 - NEXT 5,000 KW					
5	Block 3 - ABOVE 10,000 KW					
6	Transmission Demand					
7	Transmission Energy					
8	Distribution Demand					
9	Distribution Energy					
10	ALL					
11	ALL					
12	ALL					
13	ALL					
14	ALL					
15	Rider Revenue Based Upon Actual Usage					
16	ALL					
17	Annual Revenue at Current Rates					
18						
19						
20	LGS Rate Adjustment for Impact of LGS-RTP Rate Design (adjusted for spread factor)					
21	Calculated LGS-RTP revenue minus actual usage calculated under LGS (Current Rates)					
22						
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Exclude JRR Recovery Rider from hourly rate revenue

(\$196,011)

1	Spread Factor Calculation					
2	Annual Revenue at Current Rates					
3	Plus Riders					
4	plus Rider JRR Credit					
5	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)					
6	Impact of 1/18 EE Rate Change (Sales Adjusted for Opt-Out)					
7	Impact of 1/18 DSM Rate Change (Sales Adjusted for Opt-Out)					
8	Impact of 3/16/18 Rate Case					
9	Impact of 6/18 Fuel Deficiency Rider					
10	Impact of 9/18 JRR Recovery Rider (expended/reverse)					
11	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change					
12	Impact of 1/19 JAA Rate Change					
13	Impact of 1/19 DSM, EE & Tax Reform Rate Change					
14	Less 1/18 EE Opt-Out Revenue (Source: RMCRVE, RMCRPE, CUM Reports)					
15	Less 1/18 DSM Opt-Out Revenue (Source: RMCRVD, RMCRFD, CUM Reports)					
16	Adjusted Annual Revenue Based Upon Rate Determinants					
17	Book Revenues (Source: RMC1Y)					
18	Spread Factor (Adjusted Annual Revenue/Book Revenue)					

Rate Changes Impacting Current Rates
(\$0.0025) effective 1/1/2018
(\$0.0011) effective 1/1/2018
VARRS effective 3/16/18
\$0.0016 effective 6/1/2018
\$0.0061 effective 9/1/2018
\$0.0011 effective 12/1/2018
(\$0.11) effective 12/1/2018
\$0.0240 effective 1/1/2019

NOTE: LGS and Rider billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS rates and riders.

Actual annual 2018 revenue was \$736,761 per customer bills. In April 2018 book revenue exceeded the customer's bill by \$93,797.

Duke Energy Progress, LLC  
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### North Carolina Schedule LGS-RTP - Rate Adjustment Applicable to Schedule LGS Proposed Rates

	Actual			CBL		
	Test Year	Billing Units	LGS Rates @ 11/29/2019	Test Year	Billing Units	LGS-RTP Rates @ 11/29/2019
			LGS Revenue @ Current Rates			LGS-RTP Revenue @ Current Rates
1	ALL					
2	ALL					
3	BLOCK 1 - FIRST 5,000 KW	12	\$200.00	12	\$200.00	\$2,400
4	BLOCK 2 - NEXT 5,000 KW	10,787,501	\$0.06327	12,550,536	\$0.06327	\$794,072
5	BLOCK 3 - ABOVE 10,000 KW	32,456	\$14.15	22,504	\$14.15	\$318,432
6	Transmission Demand	0	\$13.15	0	\$13.15	\$0
7	Transmission Energy	32,456	\$12.15	22,504	\$12.15	\$0
8	Distribution Demand	0	(\$0.53)	0	(\$0.53)	\$0
9	Distribution Energy	0	(\$0.0020)	12,550,536	(\$0.0020)	(\$11,927)
10	ALL	0	(\$0.45)	0	(\$0.45)	\$0
11	ALL	0	(\$0.00008)	0	(\$0.00008)	\$0
12	ALL	-1,082,935	\$0.32	0	\$0.32	\$0
13	ALL					
14	ALL					
15	Rider Revenue Based Upon Actual Usage					
16	ALL					
17	Annual Revenue at Current Rates		\$1,218,132	12	\$165.00	\$1,045,717
18						
19	<b>LGS Rate Adjustment for Impact of LGS-RTP Rate Design</b>					<b>(\$193,387)</b>
20	Calculated LGS-RTP revenue minus calculated LGS-TOU revenue					

NOTE: LGS and Rider billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS rates and riders.

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
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 Current and Proposed Billing Units and Revenues

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# North Carolina Schedule LGS-RTP-TOU - Rate Adjustment Applicable to Schedule LGS-TOU Current Rates

	Units	Actual		LGS-TOU Rates @ 11/29/2019		LGS-TOU Revenue @ Current Rates		CBL		LGS-RTP Rates @ 11/29/2019		LGS-RTP Revenue @ Current Rates	
		Test Year	Billing Units	Test Year	Billing Units	Test Year	Billing Units	Test Year	Billing Units	Test Year	Billing Units	Test Year	Billing Units
1	ALL		934		934	\$200.00	\$186,800		934	\$200.00	\$186,800		
2	On-peak		2,086,872,484		1,834,515,500	\$0.05317	\$96,907,189		1,834,515,500	\$0.05317	\$96,907,189		
3	Off-peak		3,642,864,713		2,852,695,832	\$0.04617	\$131,412,576		2,852,695,832	\$0.04617	\$131,412,576		
4	SUMMER (J-S) BLOCK 1 - FIRST 5,000 KW		1,293,955		881,175	\$20.29	\$17,879,041		881,175	\$20.29	\$17,879,041		
5	SUMMER (J-S) BLOCK 2 - NEXT 5,000 KW		604,534		315,032	\$19.29	\$6,038,392		315,032	\$19.29	\$6,038,392		
6	SUMMER (J-S) BLOCK 3 - ABOVE 10,000 KW		1,901,764		586,432	\$18.29	\$10,707,551		586,432	\$18.29	\$10,707,551		
7	NONSUMMER (Q-M) BLOCK 1 - FIRST 5,000 KW		2,490,512		1,682,106	\$15.15	\$25,483,900		1,682,106	\$15.15	\$25,483,900		
8	NONSUMMER (Q-M) BLOCK 2 - NEXT 5,000 KW		1,207,876		579,531	\$14.15	\$8,197,535		579,531	\$14.15	\$8,197,535		
9	NONSUMMER (Q-M) BLOCK 3 - ABOVE 10,000 KW		3,054,571		911,631	\$13.15	\$11,967,947		911,631	\$13.15	\$11,967,947		
10	Off-peak Excess		164,719		2,568,564	\$0.89	\$2,286,022		2,568,564	\$0.89	\$2,286,022		
11	Transmission Demand		1,030,664		504,310,418	(\$0.0043)	(\$2,168,533)		504,310,418	(\$0.0043)	(\$2,168,533)		
12	Transmission Energy		625,180,766		8,152,256	(\$0.0043)	(\$3,663)		8,152,256	(\$0.0043)	(\$3,663)		
13	Distribution Demand		83,439		8,519	(\$0.43)	(\$3,663)		8,519	(\$0.43)	(\$3,663)		
14	Distribution Energy		48,329,816		744,623	(\$0.0005)	(\$74,623)		744,623	(\$0.0005)	(\$74,623)		
15	ALL		744,623		744,623	\$0.32	\$238,279		744,623	\$0.32	\$238,279		
16	ALL				\$62,238,325		\$62,238,325		\$62,238,325		\$62,238,325		
17	ALL				281,914,391	(\$0.0051)	(\$143,177)		281,914,391	(\$0.0051)	(\$143,177)		
18	ALL				1,221,519,246	\$0.0065	\$10,566,141		1,221,519,246	\$0.0065	\$10,566,141		
19	ALL				762,533	\$1.63	\$1,242,928		762,533	\$1.63	\$1,242,928		
20	ALL				1,646,474	\$2.13	\$3,502,990		1,646,474	\$2.13	\$3,502,990		
21	ALL				364,803	\$2.62	\$955,783		364,803	\$2.62	\$955,783		
22	ALL				955,932	\$3.05	\$2,915,592		955,932	\$3.05	\$2,915,592		
23	ALL				934	\$154.10	\$154,110		934	\$154.10	\$154,110		
24	Annual Revenue at Current Rates						\$3,578,298						\$3,578,298
25							\$448,534,674						\$448,534,674
26	LGS-TOU Rate Adjustment for Impact of LGS-RTP Rate Design (adjusted for Spread Factor)												
27	Calculated LGS-RTP revenue minus actual usage calculated under LGS-TOU (Current Rates)												
28													
29													
30													
31	Reconcile to Book Revenues												
32	Plus Job Retention Rider JRR Credits												
33	Less All Rate Adjustments (Net Year Rate Changes Adjusted by Memo Revenue Sales)												
34	Impact of 1/18 EE Rate Change (Sales Adjusted for Opt-Out)												
35	Impact of 1/18 DSM Rate Change (Sales Adjusted for Opt-Out)												
36	Impact of 3/18 Fuel Deficiency Rider												
37	Impact of 6/18 Fuel Deficiency Rider												
38	Impact of 9/18 JRR Recovery Rider (expired/reverse)												
39	Impact of 12/18 Fuel Fed Tax and Coal Inventory Rate Change												
40	Impact of 12/18 JAA Rate Change												
41	Impact of 1/19 EE & Tax Reform Rate Change (Sales Adjusted for Opt-Out)												
42	Impact of 1/19 DSM Rate Change (Sales Adjusted for Opt-Out)												
43	Less 1/18 EE Opt-Out Revenue (Source: RUCYVE, ADVISIVE, CML Reports)												
44	Less 1/18 DSM Opt-Out Revenue (Source: RUCYVE, ADVISIVE, CML Reports)												
45	Adjusted Annual Revenue Based Upon Rate Determinants												
46	Book Revenues (Source: RUCYV)												
47	Spread Factor (Adjusted Annual Revenue/Book Revenue)												

NOTE: LGS-TOU and Rider billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS-TOU. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS-TOU calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS-TOU rates and riders.

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 12/19  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

NCUC Form E-1 - Item No. 42(C)

### North Carolina Schedule LGS-RTP-TOU - Rate Adjustment Applicable to Schedule LGS-TOU Current Rates

		Actual		CBL	
		Test Year Billing Units	LGS-TOU Rates @ 11/29/2019 Current Rates	Test Year Billing Units	LGS-RTP Rates @ 11/29/2019 Current Rates
1	ALL	934	\$200.00	934	\$200.00
2	On-peak	2,066,672,494	\$0.05821	1,634,515,500	\$0.05821
3	Off-peak	3,642,694,713	\$0.05321	2,852,658,832	\$0.05321
4	SUMMER (U-S) BLOCK 1 - FIRST 5,000 KW	1,259,955	\$22.21	881,175	\$22.21
5	SUMMER (U-S) BLOCK 2 - NEXT 5,000 KW	604,534	\$21.21	313,032	\$21.21
6	SUMMER (U-S) BLOCK 3 - ABOVE 10,000 KW	1,901,764	\$20.21	585,432	\$20.21
7	NONSUMMER (Q-M) BLOCK 1 - FIRST 5,000 KW	2,490,512	\$16.59	1,682,106	\$16.59
8	NONSUMMER (Q-M) BLOCK 2 - NEXT 5,000 KW	1,207,876	\$15.59	579,331	\$15.59
9	NONSUMMER (Q-M) BLOCK 3 - ABOVE 10,000 KW	3,054,571	\$14.59	911,631	\$14.59
10	Off-peak Excess	164,719	\$1.13	2,568,564	\$1.13
11	Transmission Demand	1,030,664	(\$0.53)	547,780	(\$0.53)
12	Transmission Energy	625,180,766	(\$0.0020)	504,310,418	(\$0.0020)
13	Distribution Demand	83,439	(\$0.45)	8,519	(\$0.45)
14	Distribution Energy	48,329,816	(\$0.0008)	8,152,258	(\$0.0008)
15	ALL	744,623	\$0.32	744,623	\$0.32
16	ALL				
17	ALL				
18	ALL				
19	ALL				
20	ALL				
21	ALL				
22	ALL				
23	Annual Revenue at Current Rates		(\$3,575,289)		(\$2,316,703)
24	Annual Revenue at Current Rates		\$494,415,645		\$419,482,374

### LGS-TOU Rate Adjustment for Impact of LGS-RTP Rate Design (adjusted for Spread Factor)

Calculated LGS-RTP revenue minus actual usage calculated under LGS-TOU (Proposed Rates)

(\$74,933,271)

NOTE: LGS-TOU and Rider billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS-TOU. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS-TOU calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS-TOU rates and riders.



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 43**

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**Request:**

- a. Provide most recently approved long-range utility load forecast. This forecast should include as a minimum summer/winter peak loads, reserve margins, yearly energy forecasts and anticipated capacity sources.
- b. If not included in Item 43, provide detailed yearly breakdown of load management/energy conservation forecasts by major rate class (residential, commercial, industrial, and wholesale) by program type.

**Response:**

See attached response, per the 2018 DEP Integrated Resource Plan.



DEP E1-43.pdf



DEP EE Programs  
Load Impacts.pdf

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**Table 13-E: Carbon Constrained Load, Capacity and Reserves Table -Winter**

Winter Projections of Load, Capacity, and Reserves  
for Duke Energy Progress 2018 Annual Plan

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Load Forecast</b>															
1 DEP System Winter Peak	14,036	14,080	14,062	14,168	14,243	14,429	14,553	14,724	14,886	15,090	15,232	15,367	15,524	15,704	15,811
2 Firm Sale	150	150	150	150	150	150	0	0	0	0	0	0	0	0	0
3 Cumulative New EE Programs	(28)	(44)	(62)	(79)	(104)	(120)	(136)	(155)	(173)	(187)	(200)	(211)	(221)	(228)	(236)
4 Adjusted Duke System Peak	14,161	14,166	14,161	14,239	14,289	14,458	14,415	14,568	14,713	14,903	15,032	15,156	15,303	15,475	15,575
<b>Existing and Designated Resources</b>															
5 Generating Capacity	13,912	13,942	14,124	13,614	13,620	13,620	13,626	13,394	13,394	13,394	13,398	12,345	12,345	12,345	12,345
6 Designated Additions / Upgrades	30	566	4	6	0	6	0	0	0	4	0	0	0	0	0
7 Retirements / Derates	0	(384)	(514)	0	0	0	(232)	0	0	0	(1,053)	0	0	0	0
8 Cumulative Generating Capacity	13,942	14,124	13,614	13,620	13,620	13,626	13,394	13,394	13,394	13,398	12,345	12,345	12,345	12,345	12,345
<b>Purchase Contracts</b>															
9 Cumulative Purchase Contracts	2,013	1,703	1,646	1,140	738	480	480	479	476	470	466	465	465	463	35
Non-Compliance Renewable Purchases	99	102	48	49	38	40	39	39	36	33	29	28	27	26	26
Non-Renewables Purchases	1,914	1,601	1,599	1,091	700	440	440	440	440	437	437	437	437	437	9
<b>Undesignated Future Resources</b>															
10 Nuclear							1,336		1,336		1,640			460	460
11 Combined Cycle							(30)	(580)	(590)	(430)	(430)				
12 Combustion Turbine															
13 Short-Term Market Purchases															
14 Solar		30	590	590	430	430									
<b>Renewables</b>															
15 Cumulative Renewables Capacity	194	194	106	102	102	102	74	74	72	22	15	16	16	16	16
16 Combined Heat & Power	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0
17 Energy Storage	12	12	12	14	14	16	16	16	0	0	0	0	0	0	0
18 Cumulative Production Capacity	16,161	16,075	16,046	16,144	16,187	16,381	17,445	16,870	17,613	17,131	17,477	17,477	17,477	17,335	17,367
<b>Demand Side Management (DSM)</b>															
19 Cumulative DSM Capacity	490	601	611	621	630	637	641	646	650	657	660	664	669	674	678
20 Cumulative Capacity w/ DSM	16,651	16,676	16,655	16,666	16,718	16,918	17,385	17,416	16,163	17,687	18,038	18,041	18,046	18,509	18,544
<b>Reserves w/ DSM</b>															
21 Generating Reserves	2,491	2,410	2,405	2,426	2,428	2,460	3,571	2,848	3,450	2,784	3,006	2,896	2,743	3,034	2,969
22 % Reserve Margin	17.5%	17.0%	17.0%	17.0%	17.0%	17.0%	24.8%	19.5%	23.5%	18.7%	20.0%	19.0%	17.9%	19.5%	19.1%

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**Table 13-F: Carbon Constrained Load, Capacity and Reserves Table-Summer**

Summer Projections of Load, Capacity, and Reserves  
for Duke Energy Progress 2018 Annual Plan

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Load Forecast</b>															
1 DEP System Summer Peak	13,374	13,409	13,439	13,557	13,676	13,850	14,018	14,264	14,398	14,642	14,804	14,959	15,137	15,333	15,463
2 Firm Sale	150	150	150	150	150	150	0	0	0	0	0	0	0	0	0
3 Cumulative New EE Programs	(56)	(87)	(115)	(141)	(166)	(193)	(222)	(250)	(280)	(306)	(332)	(354)	(375)	(392)	(409)
4 Adjusted Duke System Peak	13,467	13,472	13,474	13,566	13,660	13,808	13,796	14,014	14,118	14,336	14,473	14,605	14,762	14,941	15,054
<b>Existing and Designated Resources</b>															
5 Generating Capacity	12,728	12,732	12,852	12,477	12,477	12,481	12,481	12,305	12,305	12,307	12,307	11,260	11,260	11,260	11,260
6 Designated Additions / Upgrades	4	498	4	0	4	0	0	0	2	0	0	0	0	0	0
7 Retirements / Derates	0	(378)	(379)	0	0	0	(176)	0	0	0	(1,047)	0	0	0	0
8 Cumulative Generating Capacity	12,732	12,852	12,477	12,477	12,481	12,481	12,305	12,305	12,307	12,307	11,260	11,260	11,260	11,260	11,260
<b>Purchase Contracts</b>															
9 Cumulative Purchase Contracts	2,207	2,170	1,705	1,445	1,461	1,262	1,278	1,266	1,266	1,242	1,229	1,219	1,215	1,208	809
Non-Compliance Renewable Purchases	611	719	741	818	835	856	871	862	850	838	825	816	811	805	800
Non-Renewables Purchases	1,596	1,451	964	626	626	406	406	406	406	403	403	403	403	403	9
<b>Undesignated Future Resources</b>															
10 Nuclear							1,198		1,198		1,704			426	426
11 Combined Cycle															
12 Combustion Turbine															
13 Short Term Market Purchases		30	590	590	430	430	(30)	(590)	(590)	(430)	(430)				
14 Solar															
<b>Renewables</b>															
15 Cumulative Renewables Capacity	620	618	537	528	539	535	499	511	521	482	488	499	504	509	514
16 Combined Heat & Power	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0
17 Energy Storage	12	12	12	14	14	16	16	16	0	0	0	0	0	0	0
18 Cumulative Production Capacity	15,571	15,694	15,391	16,726	16,202	16,445	17,432	16,861	17,469	16,986	17,205	17,207	17,208	17,633	17,665
<b>Demand Side Management (DSM)</b>															
19 Cumulative DSM Capacity	923	968	984	1,007	1,019	1,024	1,027	1,032	1,035	1,041	1,044	1,047	1,051	1,055	1,058
20 Cumulative Capacity w/ DSM	16,494	16,652	16,375	16,733	17,221	17,469	18,459	17,893	18,504	18,026	18,249	18,254	18,259	18,688	18,723
<b>Reserves w/ DSM</b>															
21 Generating Reserves	3,027	3,180	2,901	3,167	3,561	3,662	4,663	3,879	4,365	3,690	3,776	3,650	3,496	3,747	3,669
22 % Reserve Margin	22.5%	23.6%	21.5%	23.3%	26.1%	26.6%	33.8%	27.7%	31.1%	26.7%	26.1%	25.0%	23.7%	25.1%	24.4%

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PUBLIC**DEP - Assumptions of Load, Capacity, and Reserves Table**

The following notes are numbered to match the line numbers on the Winter Projections of Load, Capacity, and Reserves table. All values are MW (winter ratings) except where shown as a percent.

1. Planning is done for the peak demand for the Duke Energy Progress System.
2. Firm sale of 150 MW through 2024.
3. Cumulative new energy efficiency and conservation programs (does not include demand response programs).
4. Peak load adjusted for firm sales and cumulative energy efficiency.
5. Existing generating capacity reflecting designated additions, planned uprates, retirements and derates as of July 1, 2018.
6. Designated Capacity Additions include:  
  
Planned nuclear uprates totaling 56 MW in the 2019 - 2028 timeframe.  
  
560 MW Asheville combined cycle addition in November 2019.  
  
Planned Retirements include:  
  
384 MW Asheville Coal Units 1-2 in November 2019.  
  
514 MW Darlington CT Units 1-4, 6-8, 10 by December 2020.  
  
232 MW Blewett CT Units 1-4 and Weatherspoon CT units 1-4 in December 2024.  
  
1,053 MW Roxboro Units 1-2 in December 2028.
- 7.

Planning assumptions for nuclear stations assume subsequent license renewal at the end of the current license. 797 MW Robinson 2 is assumed to be relicensed to 2050 (current license expires in 2030).

All retirement dates are subject to review on an ongoing basis. Dates used in the 2018 IRP are for planning purposes only, unless already planned for retirement.



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## DEP - Assumptions of Load, Capacity, and Reserves Table (cont.)

8. Sum of lines 5 through 7.
9. Cumulative Purchase Contracts have several components:  
  
Purchased capacity from PURPA Qualifying Facilities, Anson and Hamlet CT tolling, Butler Warner purchase, Southern CC purchase, and Broad River CT purchase.  
  
Additional line items are shown under the total line item to show the amounts of renewable and traditional QF purchases.
10. New nuclear resources selected to meet load and minimum planning reserve margin  
  
Capacity must be on-line by June 1 to be included in available capacity for the summer peak of that year and by December 1 to be included in available capacity for the winter peak of the following year.  
  
No new nuclear resources were selected in the Base Case in the 15-year study period.
11. New combined cycle resources economically selected to meet load and minimum planning reserve margin.  
  
Capacity must be on-line by June 1 to be included in available capacity for the summer peak of that year and by December 1 to be included in available capacity for the winter peak of the next year.  
  
Addition of 1,338 MW of combined cycle capacity online December 2024  
  
Addition of 1,338 MW of combined cycle capacity online December 2026.
12. New combustion turbine resources economically selected to meet load and minimum planning reserve margin.  
  
Capacity must be on-line by June 1 to be included in available capacity for the summer peak of that year and by December 1 to be included in available capacity for the winter peak of the next year.  
  
Addition of 1,840 MW of combustion turbine capacity online December 2028.  
  
Addition of 460 MW of combustion turbine capacity online December 2031.



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## DEP - Assumptions of Load, Capacity, and Reserves Table (cont.)

Addition of 460 MW of combustion turbine capacity online December 2032.

13. Short-term market purchases needed to meet load and minimum planning reserve margin.
14. New solar resources economically selected to meet load and minimum planning reserve margin above the forecast in Section 5.  
No solar resources were economically selected in the Base Case.
15. Resources to comply with NC REPS, HB 589 and SC DERs. These resources include solar, landfill gas, poultry and swine resources. Solar resources reflect percentage of nameplate capacity contribution at the time of the winter and summer peak demands.
16. New 22 MW combined heat and power capacity included in 2021.
17. Addition of 113 MW of energy storage placeholders over the years 2019 through 2026 based on 80% contribution to peak assumption.
18. Sum of lines 8 through 17.
19. Cumulative Demand-Side Management programs including load control and DSDR.
20. Sum of lines 18 and 19.
21. The difference between lines 20 and 4.
19. Reserve Margin = (Cumulative Capacity-System Peak Demand)/System Peak Demand  
Line 21 divided by Line 4.  
Minimum target planning reserve margin is 17%.

Oct 30 2019

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A tabular presentation of the Carbon Constrained Base Case resource plan represented in the above LCR table is shown below:

**Table 13-G: DEP Carbon Constrained Base Case**

Duke Energy Progress Resource Plan <sup>(1)</sup>						
Base Case - Winter						
Year	Resource		MW			
2019	Nuclear Upgrades	Solar	30	190	12	
2020	Nuclear Upgrades	Asheville CC	6	560	303	12
2021	Nuclear Upgrades	CHP	4	22	280	12
2022	Nuclear Upgrades	Solar	6	247	14	
2023	Solar	Energy Storage	172		14	
2024	Nuclear Upgrades	Energy Storage	6	16	179	
2025	New CC	Energy Storage	1,338	16	80	
2026	Energy Storage		16		34	
2027	New CC	Solar	1,338		34	
2028	Nuclear Upgrades	Solar	4		34	
2029	New CT	Solar	1,840		33	
2030	Solar					
2031	Solar				4	
2032	New CT	Solar	460		4	
2033	New CT	Solar	460		4	

Notes: (1) Table includes both designated and undesignated capacity additions

(2) Incremental solar additions represent nameplate ratings

(3) Future additions of other renewables, EE and DSM not included

(4) Table does not include short term PPA purchases in 2020 through 2024

Additionally, a summary of the above table is represented below in Table 13-H.

**Table 13-H: Summary of DEP Carbon Constrained Base Case Winter Resources**

DEP Base Case Resources		
Cumulative Winter Totals - 2019 - 2033		
Nuclear	56	
Solar	1,631	
CC	3,236	
CT	2,760	
CHP	22	
Energy Storage	113	
Total	7,817	



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The following figures illustrate both the current and forecasted capacity for the DEP system, as projected by the Carbon Constrained Base Case. As demonstrated in Figure 13-E, the capacity mix for the DEP system changes with the passage of time. In 2033, the Carbon Constrained Base Case projects that DEP will have a smaller reliance on coal, nuclear and external purchases and a higher reliance on gas-fired resources, renewable resources and EE as compared to the current state. It should be noted that the Company's Carbon Constrained Base Case resources depicted in Figure 13-E below reflect a significant amount of solar capacity with nameplate solar growing from 2,758 MW in 2019 to 4,199 MW by 2033. However, given that solar resources only contribute 1% or less of nameplate capacity at the time of the Company's winter peak, solar capacity contribution to winter peak only grows from 28 MW in 2019 to 42 MW by 2033.

**Figure 13-E: Duke Energy Progress Capacity Over 15 Year Study Period – Carbon Constrained Base Case<sup>7</sup>**

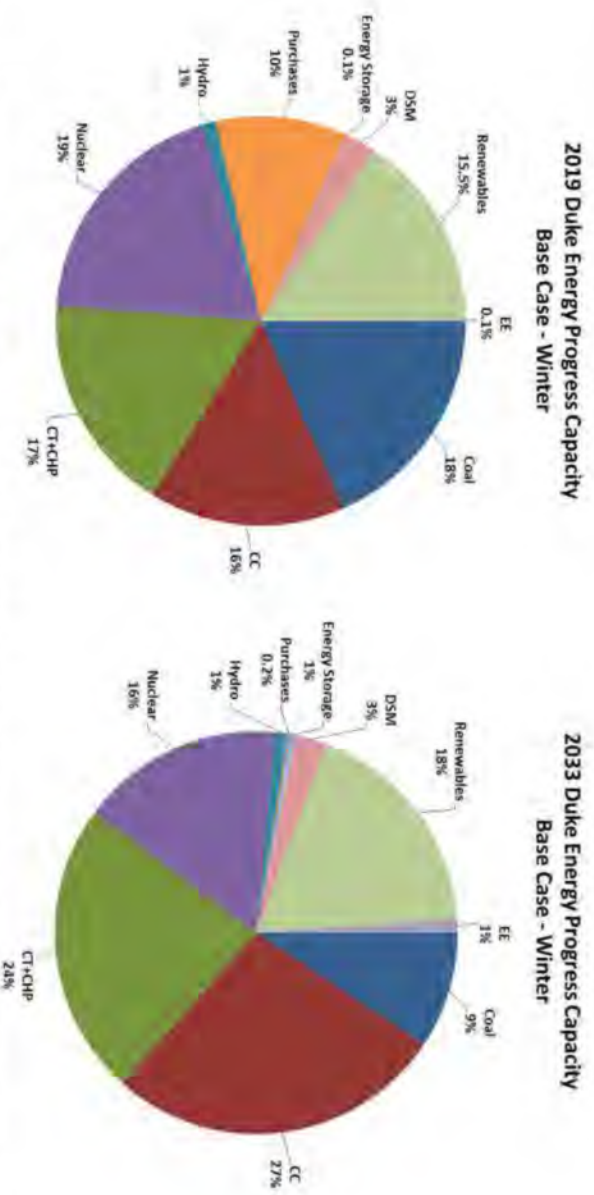


Figure 13-F represents the energy of both the DEP and DEC Carbon Constrained Base Cases over time. Due to the joint dispatch agreement (JDA), it is prudent to combine the energy of both utilities to develop a meaningful Carbon Constrained Base Case energy figure. From 2019 to 2033, the figure shows that nuclear resources will continue to serve almost half of DEC and DEP energy needs, a reduction in the energy served by coal, and an increase in energy served by natural gas, renewables and EE.

<sup>7</sup> Capacity based on winter ratings (renewables based on nameplate).

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PUBLIC**Figure 13-F: DEP and DEC Energy Over 15 Year Study Period –  
Carbon Constrained Base Case**

A detailed discussion of the assumptions, inputs and analytics used in the development of the Base Cases are contained in Appendix A. As previously noted, the further out in time planned additions or retirements are within the 2018 IRP the greater the opportunity for input assumptions to change. Thus, resource allocation decisions at the end of the planning horizon have a greater possibility for change as compared to those earlier in the planning horizon.

### ***No Carbon Base Case:***

While Duke Energy presents a base resource plan that was developed under a carbon constrained future, the Company also provides a No Carbon (or No CO<sub>2</sub>) Base Case expansion plan that reflects a future without CO<sub>2</sub> constraints. In DEP, this expansion plan is represented by Portfolio 2 (Base No CO<sub>2</sub> Future). As shown in Tables 13-1 and 13-1 below, there is no difference between the Carbon Constrained Base Case and the No Carbon Base Case over the 15-year planning horizon. However, beyond the 15-year window, CT technology generally takes precedent over CC technology. Because of the trend towards CT technology and the absence of incremental solar in the years just after the planning window, Portfolio 2 has a lower capital cost and a slightly lower PVRR than Portfolio 1 in the Base Fuel / No CO<sub>2</sub> scenario.

The tables below depict a tabular form of the resources required in the No Carbon Base Case.



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Table 13-I: DEP No Carbon Base Case

Duke Energy Progress Resource Plan <sup>(1)</sup> No CO <sub>2</sub> Case - Winter						
Year	Resource		MW			
2019	Nuclear Upgrades	Solar	30	190	12	
2020	Nuclear Upgrades	Ashville CC	6	560	303	12
2021	Nuclear Upgrades	CHP	4	22	280	12
2022	Nuclear Upgrades	Solar	6	247	14	
2023	Solar			172	14	
2024	Nuclear Upgrades	Energy Storage	6	16	179	
2025	New CC	Energy Storage	1,338	16	80	
2026	Energy Storage			16	34	
2027	New CC			1,338	34	
2028	Nuclear Upgrades			4	34	
2029	New CT			1,840	33	
2030	Solar			33		
2031	Solar			4		
2032	New CT			460	4	
2033	New CT			460	4	

Notes: (1) Table includes both designated and undesignated capacity additions

(2) Incremental solar additions represent nameplate ratings

(3) Future additions of other renewables, EE and DSM not included

(4) Table does not include short term PPA purchases in 2020 through 2024

Additionally, a summary of the above table is represented below in Table 13-J.

Table 13-J: Summary of DEP No Carbon Base Case Winter Resources

DEP No CO<sub>2</sub> Case Resources  
Cumulative Winter Totals – 2019 - 2033

Nuclear	56
Solar	1,631
CC	3,236
CT	2,760
CHP	22
Energy Storage	113
Total	7,817



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**Joint Planning Case:**

A Joint Planning Case that explores the potential for DEP and DEC to share firm capacity between the Companies was also developed. The focus of this case is to illustrate the potential for the Utilities to collectively defer generation investment by utilizing each other's capacity when available and by jointly owning or purchasing new capacity additions. This case does not address the specific implementation methods or issues required to implement shared capacity. Rather, this case illustrates the benefits of joint planning between DEP and DEC with the understanding that the actual execution of capacity sharing would require separate regulatory proceedings and approvals.

Table 13-K below represents the annual non-renewable incremental additions reflected in the combined DEP and DEC winter Base Cases as compared to the Joint Planning Case. The plan contains the undesignated additions for DEP and DEC over the planning horizon. As presented in Table 13-K, the Joint Planning Case allows for the delay of a CC resource and several blocks of CT resources through the 15-year study period. Though not shown below, the ability to share capacity between DEP and DEC would also limit the amount of undesignated short-term market purchases identified in the 2020 to 2024 timeframe in the DEP IRP.

**Table 13-K: DEP and DEC Joint Planning Case**

DEC and DEP Combined Resource Plan <sup>(1)</sup>			DEC and DEP Joint Planning Resource Plan <sup>(1)</sup>		
Base Case - Winter			Base Case - Winter		
Year	Resource	MW	Year	Resource	MW
2019			2019		
2020			2020		
2021			2021		
2022			2022		
2023			2023		
2024			2024		
2025	New CC	1,338	2025	New CC	1,338
2026			2026		
2027	New CC	1,338	2027	New CC	1,338
2028	New CC	1,338	2028		
2029	New CT	1,840	2029	New CC	1,338
2030			2030	New CT	1,338
2031	New CC	1,338	2031	New CC	1,338
2032	New CT	460	2032		
2033	New CT	920	2033	New CT	1,360

Notes: <sup>(1)</sup> Table only includes undesignated conventional capacity additions.

Delay  
460 MW  
Delay  
460 MW  
Delay 460 MW  
Beyond Study Period

A comparison of both the DEP and DEC Combined Base Case and Joint Planning Base Case by resource type is represented below in Table 13-L.

**Table 13-L: DEP and DEP Base Case and Joint Planning Case Comparison by Resource Type**

DEC and DEP Combined Base Case Resources		DEC and DEP Joint Base Case Resources	
Cumulative Winter Totals - 2019 - 2033		Cumulative Winter Totals - 2019 - 2033	
Nuclear	0	Nuclear	0
CC	5,352	CC	5,352
CT	3,220	CT	2,760
Total	8,572	Total	8,112



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PUBLIC**14. SHORT-TERM ACTION PLAN**

The Company's Short-Term Action Plan, which identifies accomplishments in the past year and actions to be taken over the next five years, is summarized below:

***Continued Reliance on EE and DSM Resources:***

The Company is committed to continuing to grow the amount of EE and DSM resources utilized to meet customer growth. The following are the ways in which DEP will increase these resources:

- Continue to execute the Company's EE and DSM plan, which includes a diverse portfolio of EE and DSM programs spanning the residential, commercial, and industrial classes.
- Continue on-going collaborative work to develop and implement additional cost-effective EE and DSM products and services, such as: (1) adding new or expanding existing programs to include additional measures, (2) program modifications to account for changing market conditions and new measurement and verification (M&V) results and (3) other EE research & development pilots.

- Continue to seek additional DSM programs that will specifically benefit during winter peak situations.

***Continued Focus on Renewable Energy Resources:***

DEP is committed to the addition of significant renewable generation into its resource portfolio. Over the next five years, DEP is projecting to grow its renewable portfolio from 3,024 MW to 4,199 MW. Supporting policy such as NC REPS, NC HB 589 and SC DER have all contributed to DEP's aggressive plans to grow its renewable resources. DEP is committed to complying with NC REPS, meeting its targets for the SC DER Program, and under HB 589, DEP and DEC are responsible for procuring renewable energy and capacity through a competitive procurement program. These activities will be done in a manner that allows the Companies to continue to reliably and cost-effectively serve customers' future energy needs. The Companies, under the competitive procurement program, are required to procure energy and capacity from renewable energy facilities in the aggregate amount of 2,660 MW through request for proposals. DEP and DEC plan to jointly implement the CPRE Program across the NC and SC service territories.

For further details, refer to Chapter 5, as well as, Attachments I and II.

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PUBLIC***Integration of Battery Storage:***

The Company will begin investing in multiple grid connected storage systems dispersed throughout its North and South Carolina service territories that will be located on property owned by the Company or leased from its customers. These deployments will allow for a more complete evaluation of potential benefits to the distribution, transmission and generation system, while also providing actual operation and maintenance cost impacts of batteries deployed at a significant scale. Additionally, the Company continues to participate in an energy storage study to assess the economic potential for NC customers, mandated by HB 589. Results of the study are expected in December 2018.

***Continue to Find Opportunities to Enhance Existing Clean Resources:***

DEP is committed to continually looking for opportunities to improve and enhance its existing resources. DEP is expecting capacity uprates to its existing nuclear units, Brunswick and Harris, due to upcoming projects at those sites. The uprates total 56 MW from 2019 to 2028.

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PUBLIC***Addition of Clean Natural Gas Resources:***<sup>8</sup>

- The Company continues to consider advanced technology combined cycle units as excellent options to meet future demand. The improving efficiency and reliability of CCs coupled with the continued trend of lower natural gas prices make this resource very attractive. As older units on the DEP system are retired, CC units continue to play an important role in the Company's future diverse portfolio.
  - A combined cycle unit (560 MW) is being constructed at the Asheville site and has an expected commercial operation date (COD) of November 2019.
  - Two Sutton LM6000 CT units (98 MW) were brought online in July of 2017.
  - One 22 MW block of Combined Heat and Power is considered in the 2018 IRP and included as a resource for meeting future generation needs. While no contracts have yet been signed for DEP, discussions with a potential steam host are currently underway. Future IRP processes will incorporate additional CHP as appropriate.
  - Take actions to ensure the CC need in the winter of 2025 (expected COD in December 2024) is met. The 2016, 2017 and 2018 IRPs have indicated that this first need is best met with a combined cycle.

A summarization of the capacity resource changes for the Base Plans in the 2018 IRP is shown in Table 14-A below. Capacity retirements and resource additions are presented in the table as incremental values in the year in which the change impacts the winter peak. The values shown for renewable resources, EE and DSM represent cumulative totals.

<sup>8</sup> Capacities represent winter ratings.



**Table 14-A      DEP Short-Term Action Plan**

Duke Energy Progress Short-Term Action Plan <sup>(1) (2)</sup>						
			Compliance Renewable Resources (Cumulative Nameplate MW)			
Year	Retirements	Additions <sup>(5)</sup>	Solar <sup>(3)</sup>	Biomass/Hydro	EE	DSM <sup>(4)</sup>
2019		30 MW Nuc Uprate 12 MW Energy Storage	2758	266	26	490
2020	384 MW Asheville 1-2	560 MW Asheville CC 6 MW Nuc Uprate 12 MW Energy Storage 30 MW Short-Term PPA	3061	266	44	501
2021	514 MW Darlington CT	4 MW Nuc Uprate 22 MW CHP 12 MW Energy Storage 590 MW Short-Term PPA	3341	120	62	511
2022		6 MW Nuc Uprate 14 MW Energy Storage 590 MW Short-Term PPA	3588	115	79	521
2023		14 MW Energy Storage 430 MW Short-Term PPA	3760	103	104	530

**Notes:**

- (1) Capacities shown in winter ratings unless otherwise noted.  
 (2) Dates represent when the project impacts the winter peak.  
 (3) Capacity is shown in nameplate ratings.  
 (4) Includes impacts of grid modernization.  
 (5) Energy Storage capacity represents 80% of nameplate.

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PUBLIC***Continue with Plan for Subsequent License Renewal of Existing Nuclear Units:***

As discussed in Chapter 10, Duke Energy will continue to evaluate SLR for all its nuclear plants and is actively working on DEC's Oconee Nuclear Station SLR application to extend the licenses to 80 years. The remaining nuclear sites will do likewise where the cost/benefit balance proves acceptable.

***Continued Development and Implementation of Capacity Value of Solar:***

Conventional thermal resources are typically counted as 100% of net capability in reserve margin calculations for future generation planning since these resources are fully dispatchable resources when not on forced outage or planned maintenance. Due to the diurnal pattern and intermittent nature of solar energy resources, it is not reasonable to assume that these resources provide the same capacity credit as a fully dispatchable resource. An outside consultant calculated the capacity value of incremental solar additions for DEC and DEP for use in the resource planning process.

***Continued Transition Toward Integrated Systems and Operations Planning:***

As explained in Chapter 6, the traditional methods of utility resource planning are continuing to evolve. DEP is committed to moving toward an integrated planning process to meet the changing needs of planning in the future. The traditional methods of utility resource planning must be enhanced to address shifting trends through an Integrated System and Operations Planning (ISOP) effort.

In the 2018 IRP, DEP has begun to adapt its IRP to adjust to this changed world, recognizing that this process will continue to evolve. One key goal of ISOP is for the planning models to reasonably mimic the future operational realities to allow DEP to serve its customers with newer technologies. These enhancements in planning are expected to be addressed over the next several years, as soon as the modeling tools, processes and data development will allow.

***Continued Focus on Environmental Compliance:***

- Retire older coal generation.
  - As of December 2013, all of DEP's older, un-scrubbed coal units have been retired.
  - DEP has retired approximately 1,700 MW of older coal units in total since 2011.
  - Asheville Units 1 and 2 (384 MW) are expected to retire in November of 2019.

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- Retire older CT generation.
  - As of May 2018, DEP has retired approximately 520 MW of older CT generation. The most recent retirements include:
    - i. Sutton Units 1, 2A and 2B (76 MW) were retired in March and July of 2017.
    - ii. Darlington Unit 9 (65 MW) was retired in June of 2017 and Darlington Unit 5 (66 MW) was retired in May of 2018.
  - The Company continues to evaluate the condition and economic viability of the older CTs, resulting in expected future retirements.
    - i. Darlington Units 1-4, 6-8 and 10 (514 MW) are expected to retire by December 2020.
- Continue to investigate the future environmental control requirements and resulting operational impacts associated with existing and potential environmental regulations such as EPA's Clean Power Plan (Section 111d of Clean Air Act regulating CO<sub>2</sub> from existing power plants), Mercury Air Toxics Standard (MATS), the Coal Combustion Residuals (CCR) rule, the Cross-State Air Pollution Rule (CSAPR).

***Wholesale:***

- Continue to pursue existing and potential opportunities for wholesale power sales agreements within the Duke Energy balancing authority area.
- Over the next five years, DEP has approximately 1,200 MW of purchased power contracts that expire under the current contract terms. The Company plans to engage the marketplace to determine the feasibility of extending existing contracts or replacing them with other purchased power arrangements to economically meet customer demand.

***Regulatory:***

- Continue to monitor energy-related statutory and regulatory activities.
- Continue to examine the benefits of joint capacity planning and pursue appropriate regulatory actions.



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PUBLIC***DEP Request for Proposal (RFP) Activity:******Duke Energy Progress Capacity and Energy Market Solicitation***

DEP has identified a near term need for approximately 2,000 MW of firm dispatchable peaking/intermediate capacity and energy resources resulting from existing traditional purchase power contract expirations. To meet this need, DEP is seeking proposal extensions from existing purchase power contract suppliers and new capacity proposals from similar operationally capable existing generation facilities or systems with firm transmission deliverability into DEP. Successfully selected proposals are expected to be multi-year peaking/intermediate negotiated contracts with terms up to five years in duration beginning in year 2020 that meet industry standards for commercial availability and dispatchability requirements. The capacity and energy market solicitation was released on August 27, 2018.

***Duke Energy Carolinas/Progress Swine Waste Fueled RFP – North Carolina***

DEP and DEC released a Request for Proposals soliciting proposals for swine waste fueled biogas, the supply of electric power fueled by swine waste, or swine RECs (renewable energy certificates). Swine biogas projects must be sited in the state of North Carolina, Renewable Energy Facility proposals must be from swine projects sited within the NC/SC Duke Energy retail/wholesale service territory, and North Carolina qualifying in-state and out-of-state REC-Only proposals (electric swine RECs). This RFP solicited up to 750,000 MMBtu (million British thermal units), or the equivalent in MWh (megawatt hours) which is approximately 110,000 MWh from project developers. RECs secured under this RFP will be used for compliance with the swine waste set aside under REPS. Proposal structure allowed for this RFP was for Renewable Natural Gas Contracts or Purchase Power Agreements with terms of up to 20 years. RFP released December 15, 2017 and closed on January 29, 2018. Seven responses were received to the RFP, proposals have been evaluated, and have executed contracts with two of the projects. In addition, DEP/DEC is working with three other bids from the RFP while the respondents further develop their projects before moving forward.

***Competitive Procurement of Renewable Energy (CPRE)***

Pursuant to N.C. Gen. Stat. § 62-110.8, DEP has initiated the first RFP solicitation under the Competitive Procurement of Renewable Energy Program. This initial RFP solicitation was released on July 10, 2018 and is currently open. Details concerning the CPRE program can be found in the annual CPRE Plan filing, which is Attachment II to this document.

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**Table C-9: Summary of the load forecast with UEE programs and excluding any impacts from demand reduction programs**

<b>YEAR</b>	<b>SUMMER (MW)</b>	<b>WINTER (MW)</b>	<b>ENERGY (GWH)</b>
<b>2019</b>	13,317	14,011	64,038
<b>2020</b>	13,322	14,016	63,669
<b>2021</b>	13,324	14,001	63,613
<b>2022</b>	13,416	14,089	63,393
<b>2023</b>	13,510	14,139	63,809
<b>2024</b>	13,658	14,308	64,622
<b>2025</b>	13,796	14,415	65,178
<b>2026</b>	14,014	14,568	65,145
<b>2027</b>	14,118	14,713	65,726
<b>2028</b>	14,336	14,903	66,593
<b>2029</b>	14,473	15,032	67,080
<b>2030</b>	14,605	15,155	67,548
<b>2031</b>	14,762	15,303	68,108
<b>2032</b>	14,941	15,475	68,787
<b>2033</b>	15,054	15,575	69,125
<b>Avg. Annual Growth Rate</b>	<b>0.8%</b>	<b>0.7%</b>	<b>0.5%</b>

Note: Values are at generation level



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## APPENDIX B: DUKE ENERGY PROGRESS OWNED GENERATION

Duke Energy Progress' generation portfolio includes a balanced mix of resources with different operating and fuel characteristics. This mix is designed to provide energy at the lowest reasonable cost to meet the Company's obligation to serve its customers. Duke Energy Progress-owned generation, as well as purchased power, is evaluated on a real-time basis in order to select and dispatch the lowest-cost resources to meet system load requirements.

The tables below list the Duke Energy Progress' plants in service in North Carolina (NC) and South Carolina (SC) with plant statistics, and the system's total generating capability.

### Existing Generating Units and Ratings <sup>1,3</sup> All Generating Unit Ratings are as of July 1, 2018 unless otherwise noted.

Coal							
	Unit	Winter (MW)	Summer (MW)	Location	Fuel Type	Resource Type	
Asheville	1	192	189	Arden, NC	Coal	Intermediate	
Asheville	2	192	189	Arden, NC	Coal	Intermediate	
Mayo <sup>2</sup>	1	746	727	Roxboro, NC	Coal	Intermediate	
Roxboro	1	380	379	Semora, NC	Coal	Intermediate	
Roxboro	2	673	668	Semora, NC	Coal	Intermediate	
Roxboro	3	698	694	Semora, NC	Coal	Intermediate	
Roxboro <sup>2</sup>	4	711	698	Semora, NC	Coal	Intermediate	
Total Coal		3,592	3,544				

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Combustion Turbines						
	Unit	Winter (MW)	Summer (MW)	Location	Fuel Type	Resource Type
Asheville	3	185	160	Arden, NC	Natural Gas/Oil	Peaking
Asheville	4	185	160	Arden, NC	Natural Gas/Oil	Peaking
Blewett	1	17	13	Lilesville, NC	Oil	Peaking
Blewett	2	17	13	Lilesville, NC	Oil	Peaking
Blewett	3	17	13	Lilesville, NC	Oil	Peaking
Blewett	4	17	13	Lilesville, NC	Oil	Peaking
Darlington	1	63	50	Hartsville, SC	Natural Gas/Oil	Peaking
Darlington	2	64	48	Hartsville, SC	Oil	Peaking
Darlington	3	63	50	Hartsville, SC	Natural Gas/Oil	Peaking
Darlington	4	66	48	Hartsville, SC	Oil	Peaking
Darlington	6	62	43	Hartsville, SC	Oil	Peaking
Darlington	7	65	47	Hartsville, SC	Natural Gas/Oil	Peaking
Darlington	8	66	44	Hartsville, SC	Oil	Peaking
Darlington	10	65	49	Hartsville, SC	Oil	Peaking
Darlington	12	133	118	Hartsville, SC	Natural Gas/Oil	Peaking
Darlington	13	133	116	Hartsville, SC	Natural Gas/Oil	Peaking
Smith <sup>4</sup>	1	189	157	Hamlet, NC	Natural Gas/Oil	Peaking
Smith <sup>4</sup>	2	187	156	Hamlet, NC	Natural Gas/Oil	Peaking
Smith <sup>4</sup>	3	185	155	Hamlet, NC	Natural Gas/Oil	Peaking
Smith <sup>4</sup>	4	186	159	Hamlet, NC	Natural Gas/Oil	Peaking
Smith <sup>4</sup>	6	187	145	Hamlet, NC	Natural Gas/Oil	Peaking
Sutton	4	49	39	Wilmington, NC	Natural Gas/Oil	Peaking
Sutton	5	49	39	Wilmington, NC	Natural Gas/Oil	Peaking
Wayne	1/10	192	177	Goldsboro, NC	Oil/Natural Gas	Peaking
Wayne	2/11	192	174	Goldsboro, NC	Oil/Natural Gas	Peaking
Wayne	3/12	193	173	Goldsboro, NC	Oil/Natural Gas	Peaking
Wayne	4/13	191	170	Goldsboro, NC	Oil/Natural Gas	Peaking
Wayne	5/14	195	163	Goldsboro, NC	Oil/Natural Gas	Peaking
Weatherspoon	1	41	31	Lumberton, NC	Natural Gas/Oil	Peaking
Weatherspoon	2	41	31	Lumberton, NC	Natural Gas/Oil	Peaking
Weatherspoon	3	41	32	Lumberton, NC	Natural Gas/Oil	Peaking
Weatherspoon	4	41	30	Lumberton, NC	Natural Gas/Oil	Peaking
Total NC		2,597	2,203			
Total SC		780	613			
Total CT		3,377	2,816			

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Combined Cycle						
	Unit	Winter (MW)	Summer (MW)	Location	Fuel Type	Resource Type
Lee	CT1A	225	170	Goldsboro, NC	Natural Gas/Oil	Base
Lee	CT1B	227	170	Goldsboro, NC	Natural Gas/Oil	Base
Lee	CT1C	228	170	Goldsboro, NC	Natural Gas/Oil	Base
Lee	ST1	379	378	Goldsboro, NC	Natural Gas/Oil	Base
Smith <sup>4</sup>	CT7	189	154	Hamlet, NC	Natural Gas/Oil	Base
Smith <sup>4</sup>	CT8	189	153	Hamlet, NC	Natural Gas/Oil	Base
Smith <sup>4</sup>	ST4	175	169	Hamlet, NC	Natural Gas/Oil	Base
Smith <sup>4</sup>	CT9	216	174	Hamlet, NC	Natural Gas/Oil	Base
Smith <sup>4</sup>	CT10	216	175	Hamlet, NC	Natural Gas/Oil	Base
Smith <sup>4</sup>	ST5	248	248	Hamlet, NC	Natural Gas/Oil	Base
Sutton	CT1A	224	170	Wilmington, NC	Natural Gas/Oil	Base
Sutton	CT1B	224	171	Wilmington, NC	Natural Gas/Oil	Base
Sutton	ST1	<u>271</u>	<u>266</u>	Wilmington, NC	Natural Gas/Oil	Base
Total CC		3,011	2,568			

Hydro						
	Unit	Winter (MW)	Summer (MW)	Location	Fuel Type	Resource Type
Blewett	1	4	4	Lilesville, NC	Water	Intermediate
Blewett	2	4	4	Lilesville, NC	Water	Intermediate
Blewett	3	4	4	Lilesville, NC	Water	Intermediate
Blewett	4	5	5	Lilesville, NC	Water	Intermediate
Blewett	5	5	5	Lilesville, NC	Water	Intermediate
Blewett	6	5	5	Lilesville, NC	Water	Intermediate
Marshall	1	2	2	Marshall, NC	Water	Intermediate
Marshall	2	2	2	Marshall, NC	Water	Intermediate
Tillery	1	21	21	Mt. Gilead, NC	Water	Intermediate
Tillery	2	18	18	Mt. Gilead, NC	Water	Intermediate
Tillery	3	21	21	Mt. Gilead, NC	Water	Intermediate
Tillery	4	24	24	Mt. Gilead, NC	Water	Intermediate
Walters	1	36	36	Waterville, NC	Water	Intermediate
Walters	2	40	40	Waterville, NC	Water	Intermediate
Walters	3	<u>36</u>	<u>36</u>	Waterville, NC	Water	Intermediate
Total Hydro		227	227			



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Nuclear						
	Unit	Winter (MW)	Summer (MW)	Location	Fuel Type	Resource Type
Brunswick <sup>2</sup>	1	975	938	Southport, NC	Uranium	Base
Brunswick <sup>2</sup>	2	953	932	Southport, NC	Uranium	Base
Harris <sup>2</sup>	1	980	932	New Hill, NC	Uranium	Base
Robinson	2	<u>797</u>	<u>741</u>	Hartsville, SC	Uranium	Base
Total NC		2,908	2,802			
Total SC		797	741			
Total Nuclear		3,705	3,543			

Solar						
	Unit	Winter (MW)	Summer (MW)	Location	Fuel Type	Resource Type
NC Solar		7.1	62.0	NC	Solar	Intermittent

Total Generation Capability			
		<u>Winter Capacity (MW)</u>	<u>Summer Capacity (MW)</u>
TOTAL DEP SYSTEM - N.C.		12,342	11,406
TOTAL DEP SYSTEM - S.C.		1,577	1,354
TOTAL DEP SYSTEM		13,919	12,760

Note 1: Ratings reflect compliance with NERC reliability standards.

Note 2: Duke Energy Progress completed the purchase from NCEMC of jointly owned Roxboro 4, Mayo 1, Brunswick 1 & 2 and Harris 1 units effective 7/31/2015.

Note 3: Resource type based on NERC capacity factor classifications which may alternate over the forecast period.

Note 4: Richmond County Plant renamed to Sherwood H. Smith Jr. Energy Complex.

Note 5: Solar capacity ratings reflect contribution to winter and summer peak values.

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Planned Upgrades			
Unit	Completion Date	Winter MW	Summer MW
Brunswick 1 <sup>1</sup>	Spring 2020	4	2
Brunswick 2 <sup>1</sup>	Spring 2019	6	4
Brunswick 2 <sup>1</sup>	Spring 2023	6	4
Brunswick 2 <sup>1</sup>	Spring 2027	4	2
Brunswick 2 <sup>1</sup>	Spring 2021	6	4
Harris 1 <sup>1</sup>	Spring 2018	30	30

Note 1: Capacity not reflected in Existing Generating Units and Ratings section.



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Retirements					
Unit & Plant Name	Location	Capacity (MW) Winter / Summer		Fuel Type	Retirement Date
Cape Fear 5	Moncure, NC	148	144	Coal	10/1/12
Cape Fear 6	Moncure, NC	175	172	Coal	10/1/12
Cape Fear 1A	Moncure, NC	14	11	Combustion Turbine	3/31/13
Cape Fear 1B	Moncure, NC	14	12	Combustion Turbine	3/31/13
Cape Fear 2A	Moncure, NC	15	12	Combustion Turbine	3/31/13
Cape Fear 2B	Moncure, NC	14	11	Combustion Turbine	10/1/12
Cape Fear 1	Moncure, NC	12	11	Steam Turbine	3/31/11
Cape Fear 2	Moncure, NC	12	7	Steam Turbine	3/31/11
Darlington 5	Hartsville, SC	66	51	Combustion Turbine	5/31/2018
Darlington 9	Hartsville, SC	65	50	Combustion Turbine	6/30/17
Darlington 11	Hartsville, SC	67	52	Combustion Turbine	11/8/15
Lee 1	Goldsboro, NC	80	74	Coal	9/15/12
Lee 2	Goldsboro, NC	80	68	Coal	9/15/12
Lee 3	Goldsboro, NC	252	240	Coal	9/15/12
Lee 1	Goldsboro, NC	15	12	Combustion Turbine	10/1/12
Lee 2	Goldsboro, NC	27	21	Combustion Turbine	10/1/12
Lee 3	Goldsboro, NC	27	21	Combustion Turbine	10/1/12
Lee 4	Goldsboro, NC	27	21	Combustion Turbine	10/1/12
Morehead 1	Morehead City, NC	15	12	Combustion Turbine	10/1/12
Robinson 1	Hartsville, SC	179	177	Coal	10/1/12
Robinson 1	Hartsville, SC	15	11	Combustion Turbine	3/31/13
Weatherspoon 1	Lumberton, NC	49	48	Coal	9/30/11
Weatherspoon 2	Lumberton, NC	49	48	Coal	9/30/11
Weatherspoon 3	Lumberton, NC	79	74	Coal	9/30/11
Sutton 1	Wilmington, NC	98	97	Coal	11/27/13
Sutton 2	Wilmington, NC	95	90	Coal	11/27/13
Sutton 3	Wilmington, NC	389	366	Coal	11/4/13
Sutton GT1	Wilmington, NC	12	11	Combustion Turbine	3/1/2017
Darlington 9	Hartsville, SC	65	50	Combustion Turbine	6/30/2017
Sutton GTA	Wilmington, NC	31	23	Combustion Turbine	7/8/2017
Sutton GTB	Wilmington, NC	33	25	Combustion Turbine	7/8/2017
Total		2,219 MW	2,022 MW		

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Unit & Plant Name	Location	Winter Capacity (MW)	Summer Capacity (MW)	Fuel Type	Expected Retirement
Asheville 1	Arden, N.C.	192	189	Coal	11/2019
Asheville 2	Arden, N.C.	192	189	Coal	11/2019
Mayo 1	Roxboro, N.C.	746	727	Coal	12/2035
Roxboro 1	Semora, N.C.	380	379	Coal	12/2028
Roxboro 2	Semora, N.C.	673	665	Coal	12/2028
Roxboro 3	Semora, N.C.	698	691	Coal	12/2033
Roxboro 4	Semora, N.C.	711	698	Coal	12/2033
Darlington 1	Hartsville, S.C.	63	52	Natural Gas/Oil	12/2020
Darlington 2	Hartsville, S.C.	64	48	Oil	12/2020
Darlington 3	Hartsville, S.C.	63	52	Natural Gas/Oil	12/2020
Darlington 4	Hartsville, S.C.	66	50	Oil	12/2020
Darlington 6	Hartsville, S.C.	62	45	Oil	12/2020
Darlington 7	Hartsville, S.C.	65	51	Natural Gas/Oil	12/2020
Darlington 8	Hartsville, S.C.	66	48	Oil	12/2020
Darlington 10	Hartsville, S.C.	65	51	Oil	12/2020
Blewett 1	Lilesville, N.C.	17	13	Oil	12/2024
Blewett 2	Lilesville, N.C.	17	13	Oil	12/2024
Blewett 3	Lilesville, N.C.	65	13	Oil	12/2024
Blewett 4	Lilesville, N.C.	66	13	Oil	12/2024
Weatherspoon 1	Lumberton, N.C.	41	32	Natural Gas/Oil	12/2024
Weatherspoon 2	Lumberton, N.C.	41	32	Natural Gas/Oil	12/2024
Weatherspoon 3	Lumberton, N.C.	41	33	Natural Gas/Oil	12/2024
Weatherspoon 4	Lumberton, N.C.	41	31	Natural Gas/Oil	12/2024
Total		4,435	4,115		

Note a: Retirement assumptions are for planning purposes only; retirement dates are based on the depreciation study approved as part of the most recent DEP rate case.

Note b: For planning purposes, the 2018 IRP Base Case assumes subsequent license renewal for existing nuclear facilities beginning at end of current operating licenses.

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Planning Assumptions – Unit Additions					
Unit & Plant Name	Location	Winter Capacity (MW)	Summer Capacity (MW)	Fuel Type	Expected Commercial Date
Asheville CC	Arden, N.C.	560	495	Natural Gas	11/2019

Operating License Renewal

Planned Operating License Renewal				
Unit & Plant Name	Location	Original Operating License Expiration	Date of Approval	Extended Operating License Expiration
Blewett #1-6 <sup>1</sup>	Lilesville, NC	04/30/08	April 2015	2055
Tillery #1-4 <sup>1</sup>	Mr. Gilead, NC	04/30/08	April 2015	2055
Robinson #2	Hartsville, SC	07/31/10	04/19/2004	07/31/2030
Brunswick #2	Southport, NC	12/27/14	06/26/2006	12/27/2034
Brunswick #1	Southport, NC	09/08/16	06/26/2006	09/08/2036
Harris #1	New Hill, NC	10/24/26	12/12/2008	10/24/2046

Note 1: The license renewal for the Blewett and Tillery Plants was received in April 2015. The license extension was granted for 40 years.



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## Projected MW Load Impacts of DSM Programs

Year	Summer Peak MW Reduction					Total Summer Peak
	EnergyWise Home	CI&G Demand Response	DSDR	Large Load Curtailable	EnergyWise for Business	
2018	367	27	211	284	5	894
2019	383	32	213	287	9	923
2020	400	39	215	290	14	958
2021	411	46	215	292	19	984
2022	417	54	217	295	24	1,007
2023	417	57	218	298	29	1,019
2024	418	57	221	300	29	1,024
2025	418	57	224	300	29	1,027
2026	419	57	228	300	29	1,032
2027	419	57	231	300	29	1,035
2028	420	57	236	300	29	1,041
2029	420	57	238	300	29	1,044
2030	421	57	241	300	29	1,047
2031	421	57	244	300	29	1,051
2032	422	57	248	300	29	1,055
2033	422	57	250	300	29	1,058

*Note: For DSM programs, Gross and Net are the same.*

Duke Energy Progress  
North Carolina Integrated Resource Plan  
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PUBLIC**Projected MW Load Impacts of DSM Programs**

Winter Peak MW Reduction						
Year	EnergyWise Home	CI&G Demand Response	DSDR	Large Load Curtailable	EnergyWise for Business	Total Winter Peak
2018	13	11	211	241	1	478
2019	15	15	213	246	1	490
2020	16	19	215	249	2	501
2021	18	23	215	251	3	511
2022	19	27	217	254	4	521
2023	20	31	218	256	5	530
2024	21	31	221	259	5	537
2025	23	31	224	259	5	541
2026	24	31	228	259	5	546
2027	25	31	231	259	5	550
2028	26	31	236	259	5	557
2029	28	31	238	259	5	560
2030	29	31	241	259	5	564
2031	30	31	244	259	5	569
2032	31	31	248	259	5	574
2033	33	31	250	259	5	578

*Note: For DSM programs, Gross and Net are the same.*

Pursuing EE and DSM initiatives is not expected to meet the growing demand for electricity. DEP still envisions the need to secure additional generation, as well as cost-effective renewable generation, but the EE and DSM programs offered by DEP will address a significant portion of this need if such programs perform as expected.

***Programs Evaluated but Rejected:***

Duke Energy Progress has not rejected any cost-effective programs as a result of its EE and DSM program screening.

***Current and Anticipated Consumer Education Programs:***

In addition to the DSM/EE programs previously listed, DEP also has the following informational and educational programs.



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Company assumes total EE savings will continue to grow on an annual basis throughout the planning, however, the components of future programs are uncertain at this time and will be informed by the experience gained under the current plan. Please note that this table includes a column that shows historical EE program savings since the inception of the EE programs in 2008 through the end of 2017, which accounts for approximately an additional 2,117 gigawatt-hour (GWh) of net energy savings.

The following forecast is presented without the effects of “rolloff”:

### Projected MWh Impacts of EE Programs

#### Base Case

Year	Annual MWh Load Reduction - Net	
	Including measures added in 2018 and beyond	Including measures added since 2008
2008-17		2,116,891
2018	230,996	2,347,887
2019	422,130	2,539,021
2020	605,468	2,722,359
2021	777,345	2,894,236
2022	945,787	3,062,678
2023	1,114,230	3,231,121
2024	1,282,674	3,399,565
2025	1,451,119	3,568,010
2026	1,619,565	3,736,456
2027	1,788,012	3,904,903
2028	1,956,460	4,073,351
2029	2,125,763	4,242,654
2030	2,295,309	4,412,200
2031	2,466,556	4,583,447
2032	2,639,409	4,756,301
2033	2,812,935	4,929,826

The MWh totals included in the table above represent the annual year-end impacts associated with EE programs, however, the MWh totals included in the load forecast portion of this document represent the sum of the expected hourly impacts.

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Projected MW Load Impacts of DSM Programs

Year	Summer Peak MW Reduction					
	EnergyWise Home	CI&G Demand Response	DSDR	Large Load Curtailable	EnergyWise for Business	Total Summer Peak
2018	367	27	211	284	5	894
2019	383	32	213	287	9	923
2020	400	39	215	290	14	958
2021	411	46	215	292	19	984
2022	417	54	217	295	24	1,007
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2032	422	57	248	300	29	1,055
2033	422	57	250	300	29	1,058

Note: For DSM programs, Gross and Net are the same.

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## Projected MW Load Impacts of DSM Programs

Year	Winter Peak MW Reduction					
	EnergyWise Home	CTG Demand Response	DSDR	Large Load Curtailable	EnergyWise for Business	Total Winter Peak
2018	13	11	211	241	1	478
2019	15	15	213	246	1	490
2020	16	19	215	249	2	501
2021	18	23	215	251	3	511
2022	19	27	217	254	4	521
2023	20	31	218	256	5	530
2024	21	31	221	259	5	537
2025	23	31	224	259	5	541
2026	24	31	228	259	5	546
2027	25	31	231	259	5	550
2028	26	31	236	259	5	557
2029	28	31	238	259	5	560
2030	29	31	241	259	5	564
2031	30	31	244	259	5	569
2032	31	31	248	259	5	574
2033	33	31	250	259	5	578

*Note: For DSM programs, Gross and Net are the same.*

Pursuing EE and DSM initiatives is not expected to meet the growing demand for electricity. DEP still envisions the need to secure additional generation, as well as cost-effective renewable generation, but the EE and DSM programs offered by DEP will address a significant portion of this need if such programs perform as expected.

### ***Programs Evaluated but Rejected:***

Duke Energy Progress has not rejected any cost-effective programs as a result of its EE and DSM program screening.

### ***Current and Anticipated Consumer Education Programs:***

In addition to the DSM/EE programs previously listed, DEP also has the following informational and educational programs.



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 44**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

- For the 24 months ending the last month of the test year, submit the following data:
- a. kWh sales for each rate schedule (system\*, N.C. retail, other jurisdictional retail, and wholesale).
  - b. Rate revenues for each rate schedule (for the N.C. retail jurisdiction and test period only).
  - c. Number of bills rendered for each rate schedule (system\*, N.C. retail, other jurisdictional retail, and wholesale). \* System means all sales and bills.)

**Response:**

See attached pdf file.



NCUC E-1 Item 44  
(a), (b), and (c).pdf

Duke Energy Progress, LLC  
NCUC Docket No. E-2 Sub 1219  
Monthly Retail Sales by Rate Schedule

North Carolina RATE SCHEDULES												
	Jan-17 KWH	Feb-17 KWH	Mar-17 KWH	Apr-17 KWH	May-17 KWH	Jun-17 KWH	Jul-17 KWH	Aug-17 KWH	Sep-17 KWH	Oct-17 KWH	Nov-17 KWH	Dec-17 KWH
RES	1,596,196,778	1,186,221,764	1,150,647,942	923,637,185	1,017,103,536	1,206,045,576	1,522,581,655	1,445,574,033	1,301,055,085	1,034,706,566	971,626,756	1,281,936,406
R-TOU	5,544,576	4,304,276	3,980,879	3,153,387	3,422,288	4,205,728	5,180,700	4,931,757	4,391,604	3,498,719	3,335,963	4,523,050
R-TOD	50,666,553	36,670,284	34,801,984	27,921,381	29,623,651	36,223,425	44,513,981	42,072,700	37,216,024	29,661,985	28,458,960	37,941,900
R-TUE	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	1,652,407,907	1,227,196,324	1,189,430,805	954,712,153	1,050,149,455	1,246,474,729	1,572,276,336	1,492,578,490	1,342,662,713	1,067,867,270	1,003,421,679	1,324,401,356
SGS	167,912,540	140,876,255	134,490,820	123,462,703	140,606,937	161,602,148	186,895,003	185,223,219	181,777,241	151,309,186	128,590,218	138,398,822
SGS-TOU-CLR	2,449,546	2,163,319	2,376,555	2,293,426	2,547,272	2,535,740	2,666,457	2,574,959	2,811,987	2,599,653	2,556,215	2,558,283
SGS-TOU	689,009,066	601,241,180	631,116,879	594,685,454	698,682,421	736,809,151	798,357,765	767,599,064	777,998,719	718,975,284	620,237,383	598,905,993
SGS-TOUE	313,660	264,427	253,890	238,937	234,682	236,882	255,224	269,363	326,091	279,266	276,638	292,287
SGS-TES	1,286,400	1,158,000	1,388,200	1,390,900	1,686,300	2,039,200	2,400,500	2,558,300	2,253,900	1,655,500	1,559,400	1,145,300
CSE	155,733	97,280	94,891	56,767	57,788	71,777	121,784	111,395	90,050	70,279	64,632	124,371
CSG	4,160	1,560	2,080	960	640	1,400	1,640	1,400	1,720	1,720	1,240	2,720
CH-TOUE	853,261	590,253	603,802	424,032	456,162	605,708	864,637	849,785	709,726	537,656	454,360	648,638
MGS	230,066,812	196,722,890	207,115,436	191,717,243	221,853,181	246,650,251	269,188,581	267,385,398	263,636,457	239,447,176	196,728,900	198,528,162
SI	1,092,864	834,128	1,105,650	1,080,218	1,366,418	2,093,911	4,301,266	10,987,421	13,548,939	9,646,147	3,475,306	2,247,419
APH-TES	113,060	124,700	98,480	161,800	193,580	239,760	285,080	253,800	308,140	243,380	180,360	133,940
SUBTOTAL	1,093,257,102	944,073,992	978,646,683	915,512,440	1,067,685,381	1,152,885,928	1,265,337,937	1,237,814,104	1,243,462,970	1,124,765,247	954,124,652	942,985,935
LGS	88,535,994	83,876,749	91,074,750	89,608,017	100,918,145	99,565,711	102,022,568	102,359,170	107,088,614	101,690,668	94,260,763	84,911,032
LGS-TOU	138,608,966	130,701,773	131,504,925	127,883,546	134,666,537	141,149,783	146,851,882	150,742,962	151,242,627	155,269,546	134,381,008	118,910,516
LGS-RTP	0	0	0	0	0	0	0	0	0	0	0	0
LGS-RTP-TOU	445,753,821	441,411,722	421,101,755	435,335,926	496,783,556	472,239,623	486,033,485	537,954,243	490,491,618	504,108,212	474,374,476	403,248,660
SUBTOTAL	672,898,781	665,990,244	643,681,430	662,827,489	732,368,238	712,955,117	734,907,935	791,056,375	748,822,859	761,068,426	703,016,247	607,070,108
TFS	14,770	13,289	13,706	13,283	15,054	14,332	16,604	15,036	16,169	16,554	13,600	10,278
ALS	23,433,527	23,099,274	23,403,682	21,621,523	24,467,474	23,077,117	23,062,518	23,176,579	22,726,207	23,601,878	22,676,265	21,919,856
TSS	474,564	391,087	393,590	390,416	385,057	393,199	387,994	391,434	431,888	387,058	389,503	389,503
SFLS	50,413	60,442	109,909	117,444	110,856	113,205	80,181	70,172	96,225	142,503	131,474	79,032
SLR	1,254,336	1,248,881	1,263,634	1,190,596	1,324,756	1,252,829	1,275,418	1,282,463	1,271,646	1,332,151	1,266,461	1,244,070
SLS	6,220,887	6,173,318	6,135,466	6,018,056	5,995,121	5,898,528	5,859,727	5,895,794	5,830,997	5,843,420	5,844,753	5,834,627
SUBTOTAL	31,388,497	30,986,291	31,319,987	29,351,324	32,298,318	30,749,210	30,682,442	30,831,478	30,373,132	31,323,564	30,322,126	29,477,366
TOTAL RETAIL	3,449,952,287	2,858,246,551	2,843,078,905	2,552,403,406	2,882,501,392	3,143,064,984	3,603,204,650	3,552,280,447	3,365,321,674	2,985,024,507	2,690,884,704	2,903,934,765

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Duke Energy Progress, LLC  
NCUC Docket No. E-2 Sub 1219  
Monthly Retail Sales by Rate Schedule

South Carolina RATE SCHEDULES												
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH

RES	217,778,496	160,544,217	152,797,773	125,537,915	133,408,509	164,423,450	202,016,339	191,652,621	180,679,258	143,359,614	131,955,610	174,055,641
R-TOUD	4,323,543	3,108,259	2,931,093	2,531,182	2,843,511	3,508,670	4,301,060	4,053,798	3,813,759	3,021,195	2,529,467	3,157,280
R-TOUE	1,786	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	222,103,825	163,652,476	155,728,866	128,069,097	136,252,020	167,932,120	206,317,399	195,706,419	184,493,017	146,380,809	134,485,077	177,212,921
SGS	23,896,193	19,276,156	18,820,390	17,629,660	19,999,479	23,621,901	27,699,083	27,012,731	26,994,411	22,002,044	17,609,280	18,828,039
SGS-TOU-CLR	194,176	181,156	370,902	370,452	381,077	390,494	394,722	368,509	401,303	370,604	364,826	359,398
SGS-TOU	90,028,069	82,806,491	83,483,699	83,185,427	90,690,858	97,202,488	103,763,036	100,532,633	106,325,740	96,741,604	84,975,354	83,061,828
CSE	147,280	103,760	85,160	69,000	76,380	115,460	147,940	131,760	114,100	82,560	61,080	86,520
CSG	2,620	1,700	1,660	1,440	1,480	2,360	2,880	2,100	2,440	1,980	1,280	1,320
MGS	44,984,310	39,722,272	39,475,579	38,153,793	43,146,814	46,533,577	51,904,518	50,063,021	52,503,626	44,839,675	38,661,648	38,012,403
GS	316,698	249,503	220,559	176,180	241,636	301,728	401,495	377,317	340,515	274,634	192,780	234,595
SI	714,377	392,126	482,060	490,776	593,724	1,348,195	1,958,363	1,930,300	1,865,034	1,609,127	2,646,163	2,727,597
SUBTOTAL	160,283,723	142,733,164	142,940,009	140,076,728	155,131,448	169,516,203	186,272,037	180,418,371	188,547,169	165,922,328	144,512,411	143,311,700
LGS	51,966,464	49,730,601	51,247,092	55,108,603	56,040,567	60,543,031	61,825,861	63,397,544	66,260,175	62,939,291	53,893,649	42,534,234
LGS-TOU	24,231,366	27,279,149	22,908,750	17,865,851	29,729,239	25,107,230	23,180,783	25,308,124	26,224,780	23,049,083	25,206,707	17,200,185
LGS-RTP	0	0	0	0	0	0	0	0	0	0	0	0
LGS-RTU-TOU	38,797,886	43,798,914	48,377,821	39,688,457	46,135,723	54,537,583	43,640,305	47,976,634	50,651,855	49,442,097	51,370,858	42,552,327
LGS-ORTL-TOU	107,407,000	56,509,900	7,447,300	59,622,100	103,417,400	7,010,500	111,866,300	54,466,900	7,730,400	100,156,700	56,354,400	9,481,600
SUBTOTAL	222,402,716	177,318,564	129,980,963	172,275,211	235,322,929	147,198,344	240,513,249	191,149,202	150,867,210	235,587,171	186,825,614	111,176,8346
ALS	5,698,338	5,698,503	5,651,537	5,322,566	5,782,079	5,488,389	5,450,046	5,398,514	5,347,631	5,625,182	5,389,678	5,138,120
TSS	71,301	71,301	71,301	71,301	71,301	71,301	71,301	71,301	71,336	71,301	71,301	71,301
SFLS	2,672	6,196	9,941	18,457	14,256	16,354	10,128	10,828	12,196	14,515	17,134	9,202
SLR	134,054	133,772	134,250	130,128	137,638	134,078	133,882	134,543	134,236	144,584	136,310	129,741
SLS	1,333,338	1,329,571	1,329,331	1,327,026	1,320,457	1,316,918	1,312,819	1,280,677	1,268,782	1,261,107	1,237,005	1,226,382
SUBTOTAL	7,361,703	7,239,343	7,196,360	6,869,478	7,325,731	7,027,040	6,978,176	6,896,063	6,834,181	7,116,689	6,851,428	6,574,746
TOTAL RETAIL	612,151,967	490,943,547	435,846,198	447,290,514	534,032,128	491,673,707	640,080,861	574,170,055	530,741,577	555,006,997	472,674,530	438,867,713
check	0	0	0	0	0	0	0	0	0	0	0	0

## North Carolina RATE SCHEDULES

North Carolina RATE SCHEDULES												
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH
RES	2,069,602,628	1,475,911,762	1,138,939,822	1,103,342,708	985,806,716	1,362,733,158	1,539,002,196	1,508,263,926	1,363,207,104	1,229,278,136	1,040,083,382	1,342,687,558
R-TOU	7,449,345	5,242,230	3,967,636	3,792,039	3,326,092	4,635,106	5,370,969	5,237,680	4,642,342	4,188,292	3,541,570	4,753,352
R-TIME	62,329,868	42,724,572	32,539,662	30,877,273	27,002,470	37,406,558	42,255,887	40,469,044	36,515,880	31,180,630	28,506,693	39,232,303
SUBTOTAL	2,139,381,841	1,523,878,564	1,175,447,120	1,138,012,020	1,016,136,278	1,404,774,822	1,586,629,052	1,553,970,660	1,404,365,326	1,264,647,058	1,072,131,645	1,386,673,213
SGS	199,234,796	161,922,234	136,026,835	137,309,562	133,594,753	175,419,243	191,260,503	194,762,843	176,602,222	170,800,780	153,016,186	117,614,351
SGS-TU-CUR	2,794,063	2,594,805	2,511,978	2,625,362	2,620,576	2,756,271	2,670,771	2,746,289	2,526,831	2,660,391	2,570,583	2,536,477
SGS-TOU	711,677,441	644,865,669	607,352,340	630,162,515	663,276,081	779,760,119	798,156,885	806,136,676	734,013,830	764,366,662	722,628,962	508,839,027
SGS-TIME	336,241	320,961	273,678	272,146	256,218	273,787	277,662	289,545	257,731	269,102	262,958	307,667
SGS-FES	1,031,900	1,029,600	1,031,900	1,091,700	1,431,500	2,570,700	3,006,600	2,558,100	2,680,500	2,463,000	1,610,300	1,200,200
CSE	229,989	171,787	89,880	82,950	52,691	81,607	131,657	114,273	105,564	78,384	73,052	128,606
CSG	8,400	3,400	1,520	1,520	800	1,160	920	880	1,680	2,720	1,440	759,665
CH-TUOE	1,263,902	836,534	571,598	538,497	432,626	704,401	862,777	810,714	771,201	651,983	482,613	193,279,442
MGS	252,108,358	221,119,660	195,867,475	201,368,162	204,782,720	256,856,221	266,273,585	281,032,385	238,290,966	247,053,732	213,075,944	72,759,665
SI	1,365,522	1,218,053	1,030,253	1,246,111	1,427,859	2,328,089	3,654,836	7,218,216	12,573,073	6,080,149	2,898,387	2,036,765
AP-HTES	100,360	111,360	130,760	140,640	180,240	256,980	295,060	273,340	69,940	336,900	121,060	85,100
SUBTOTAL	1,170,196,312	1,034,196,363	945,001,817	974,839,165	1,008,055,064	1,221,008,578	1,269,175,256	1,295,943,321	1,167,896,538	1,194,792,673	1,096,739,485	826,790,020
LGS	86,302,044	88,971,332	84,065,713	90,814,545	95,273,148	105,317,008	103,078,771	111,543,238	94,510,703	107,389,228	90,729,159	83,209,544
LGS-TUO	131,498,135	129,137,151	122,434,331	122,558,400	128,341,475	138,826,575	145,837,158	146,474,405	139,465,700	141,743,214	129,633,678	122,730,913
LGS-RTP	0	923,908	1,036,800	1,239,872	0	1,762,399	866,148	866,217	954,172	0	1,364,948	846,788
LGS-RTP-TUO	457,474,490	433,493,935	405,828,760	463,805,240	465,779,482	478,030,461	551,532,628	566,314,103	488,139,904	508,254,207	485,424,849	403,966,143
SUBTOTAL	675,274,669	652,526,326	613,365,604	678,418,057	689,394,105	723,936,443	801,314,705	825,197,963	723,070,479	757,386,649	707,152,634	610,753,388
TFS	14,727	13,530	12,385	13,724	13,724	15,490	16,025	20,774	13,733	17,173	12,946	14,436
ALS	22,666,324	22,316,408	22,443,450	22,539,521	22,443,275	22,286,028	22,342,247	22,879,360	21,551,820	22,913,382	22,019,092	21,414,752
TSS	388,457	388,175	389,095	388,175	388,296	384,032	374,050	374,050	374,050	374,050	374,010	371,600
SFLS	39,474	65,908	92,848	121,053	124,182	94,796	85,492	68,532	87,253	127,801	141,647	85,922
SFLR	1,290,611	1,277,830	1,291,777	1,275,943	1,300,309	1,299,999	1,293,843	1,324,174	1,265,144	1,284,791	1,265,364	1,265,028
SLS	5,799,586	5,816,209	5,810,243	5,802,218	5,808,980	5,802,520	5,794,075	5,796,367	5,795,160	5,827,455	5,786,585	5,783,170
SUBTOTAL	30,207,392	29,878,342	30,019,778	30,140,634	30,078,316	29,872,865	29,905,732	30,463,247	29,087,760	30,604,692	29,599,644	28,934,908
TOTAL RETAIL	4,015,062,214	3,240,479,595	2,763,834,319	2,821,409,876	2,743,662,763	3,379,592,708	3,687,024,745	3,705,575,181	3,324,420,103	3,247,431,072	2,905,623,408	2,853,151,529

Duke Energy Progress, LLC  
NCUC Docket No. E-2 Sub 1219  
Monthly Retail Sales by Rate Schedule

South Carolina  
RATE SCHEDULES

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH
RES	286,401,378	201,456,200	141,352,434	140,304,531	124,207,651	179,625,502	205,450,057	201,700,379	188,828,306	162,342,143	132,686,827	185,177,111
R-TOUD	5,353,691	3,818,270	2,609,012	2,662,598	2,442,161	3,643,822	4,203,315	4,159,396	3,644,607	3,270,663	2,397,595	3,273,819
R-TOLUE	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	290,755,069	205,274,470	143,961,446	142,967,229	126,649,812	183,269,324	209,653,372	205,859,775	192,472,913	165,612,806	135,084,422	188,450,930
SGS	28,486,913	22,889,880	17,723,863	18,073,113	18,459,836	25,227,581	28,040,521	28,531,294	26,494,362	23,631,889	40,035,103	(2,337,551)
SGS-TOU-CLR	397,206	368,426	351,544	367,650	364,085	389,783	373,419	383,450	359,564	372,074	358,775	353,538
SGS-TOU	94,060,720	86,976,512	80,328,648	84,396,834	88,887,475	103,259,039	105,648,691	107,753,666	101,314,743	96,172,709	84,544,182	81,882,466
CSE	206,960	130,760	70,360	70,840	55,500	101,060	134,460	139,100	118,600	108,720	70,700	104,960
CSG	3,040	2,580	1,460	1,620	1,160	2,220	2,120	3,220	2,500	2,240	1,140	1,820
MGS	51,716,699	45,102,674	36,800,425	38,126,892	39,698,682	48,787,374	51,607,406	51,673,289	48,545,461	47,988,864	37,699,303	38,752,705
GS	446,858	309,690	226,723	208,131	203,491	320,005	424,763	387,830	361,725	280,967	217,950	291,146
SI	2,134,885	938,960	538,023	603,957	723,058	1,403,576	1,951,145	1,736,919	1,990,807	1,414,669	2,432,401	2,624,482
SUBTOTAL	177,453,281	156,719,482	136,041,046	141,849,037	148,393,287	179,490,638	188,182,525	190,608,768	179,187,762	169,972,132	165,359,554	121,673,566
LGS	49,504,236	54,791,136	50,832,749	54,713,479	57,635,476	66,138,729	65,895,064	71,786,823	56,174,308	67,852,461	57,667,710	45,035,018
LGS-TOU	33,058,555	24,317,661	23,230,505	24,776,798	17,686,974	24,752,281	20,223,892	38,485,047	17,276,806	23,319,728	35,838,417	26,389,175
LGS-RTP	0	0	0	0	0	0	0	0	0	0	0	0
LGS-RTU-TOU	45,548,588	41,204,111	42,791,955	47,737,199	46,277,384	53,095,787	54,411,876	49,499,562	52,350,317	48,901,667	44,801,682	44,673,737
LGS-ORTL-TOU	107,953,000	57,456,200	7,394,600	114,394,200	58,277,300	9,685,700	113,018,000	58,585,300	7,396,200	95,929,000	59,671,600	12,615,000
SUBTOTAL	236,064,379	177,769,108	124,249,809	241,621,676	179,877,134	153,672,497	253,548,832	218,356,732	133,197,631	236,002,856	197,979,409	128,712,930
ALS	5,409,352	5,315,380	5,317,779	5,353,099	5,270,303	5,246,171	5,307,029	5,472,106	5,067,525	5,405,900	5,185,670	5,077,542
TSS	71,301	71,301	71,301	71,301	71,301	71,301	71,301	71,301	71,301	71,301	71,301	71,301
SFLS	5,993	7,690	12,798	15,584	14,879	15,857	14,703	10,241	12,776	17,973	14,722	6,476
SLR	136,135	135,680	136,040	137,062	135,265	136,616	136,878	143,158	131,053	143,198	136,914	130,800
SLS	1,232,769	1,229,167	1,223,344	1,222,475	1,221,380	1,222,432	1,221,852	1,224,777	1,218,698	1,223,233	1,222,045	1,215,434
SUBTOTAL	6,855,551	6,759,218	6,761,262	6,793,521	6,773,128	6,692,377	6,751,763	6,921,583	6,501,353	6,861,605	6,630,652	6,501,553
TOTAL RETAIL	711,128,280	546,522,278	411,013,563	533,237,463	461,633,361	523,124,836	655,136,492	621,746,558	511,359,659	578,449,399	505,054,037	445,338,979
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Duke Energy Progress, LLC  
NCUC Docket No. E-2 Sub 1219  
Monthly Retail Revenues by Rate Schedule

North Carolina RATE SCHEDULES	Revenue											
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
RES	\$152,062,550	\$117,080,155	\$114,284,491	\$93,224,944	\$103,130,110	\$119,081,871	\$161,396,859	\$154,293,236	\$139,944,997	\$114,254,620	\$98,428,951	\$128,874,784
R-TOU	\$495,071	\$407,662	\$384,825	\$314,481	\$357,086	\$441,506	\$551,878	\$538,353	\$474,567	\$368,078	\$325,071	\$430,814
R-TOD	\$3,996,239	\$3,154,289	\$3,076,935	\$2,553,646	\$2,643,377	\$3,068,116	\$3,726,765	\$3,606,163	\$3,262,303	\$2,734,265	\$2,593,201	\$3,240,847
R-TUE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL	\$156,553,860	\$120,642,106	\$117,746,051	\$96,103,071	\$106,130,573	\$122,591,493	\$165,675,503	\$158,437,751	\$143,681,868	\$117,356,982	\$101,347,223	\$132,546,445
SGS	\$17,509,658	\$15,238,512	\$14,866,862	\$13,602,757	\$15,485,047	\$16,972,044	\$19,072,378	\$18,994,764	\$18,628,788	\$16,353,564	\$14,311,628	\$15,382,796
SGS-TOU-CLR	\$296,881	\$236,916	\$258,422	\$247,546	\$279,614	\$273,320	\$285,998	\$294,494	\$299,373	\$289,199	\$280,775	\$285,648
SGS-TOU	\$44,731,398	\$40,322,921	\$42,280,662	\$39,686,740	\$46,505,376	\$49,465,245	\$55,705,724	\$54,814,281	\$54,495,054	\$50,020,150	\$41,519,690	\$40,703,383
SGS-TOU	\$33,590	\$30,599	\$30,029	\$28,045	\$28,561	\$29,088	\$31,367	\$33,725	\$37,940	\$34,401	\$31,822	\$33,032
SGS-TES	\$82,268	\$79,526	\$93,664	\$90,147	\$110,154	\$123,073	\$159,423	\$166,345	\$144,008	\$102,761	\$103,364	\$82,819
CSE	\$21,008	\$14,036	\$14,087	\$9,728	\$11,514	\$12,623	\$16,986	\$16,619	\$13,175	\$11,986	\$11,289	\$7,474
CSG	\$882	\$274	\$356	\$204	\$192	\$249	\$287	\$249	\$299	\$299	\$224	\$462
CH-TUE	\$102,516	\$74,215	\$78,125	\$57,046	\$64,011	\$66,082	\$126,442	\$128,578	\$105,652	\$79,457	\$61,480	\$80,840
MGS	\$21,036,987	\$18,688,919	\$19,603,945	\$18,013,711	\$20,599,366	\$21,971,743	\$23,442,818	\$23,488,382	\$22,939,365	\$21,766,595	\$18,630,480	\$19,200,961
SI	\$122,747	\$96,639	\$129,257	\$130,671	\$172,651	\$248,224	\$460,406	\$1,068,377	\$1,270,013	\$931,300	\$365,193	\$240,668
APH-TES	\$7,099	\$7,929	\$6,343	\$8,921	\$12,462	\$15,549	\$16,832	\$16,702	\$17,565	\$14,527	\$11,545	\$7,806
SUBTOTAL	\$83,905,035	\$74,810,486	\$77,361,752	\$71,874,515	\$83,251,939	\$89,182,222	\$99,318,662	\$98,970,516	\$97,951,233	\$89,604,240	\$75,327,490	\$76,036,088
LGS	\$6,635,970	\$6,195,695	\$6,758,439	\$6,508,132	\$7,336,680	\$7,166,173	\$7,334,550	\$7,374,039	\$7,344,663	\$7,437,744	\$6,875,723	\$6,218,516
LGS-TOU	\$8,513,941	\$8,227,192	\$8,477,821	\$7,895,824	\$8,533,841	\$9,131,527	\$10,164,358	\$10,855,481	\$10,471,638	\$10,825,427	\$8,510,197	\$7,669,528
LGS-RTP	\$73,306	\$83,109	\$70,348	\$73,365	\$62,888	\$67,239	\$89,263	\$66,554	\$72,065	\$66,881	\$66,257	\$70,250
LGS-RTP-TOU	\$23,112,682	\$23,303,550	\$21,714,616	\$21,664,813	\$25,096,610	\$23,873,147	\$26,707,305	\$29,054,160	\$26,732,336	\$26,691,858	\$24,075,029	\$20,889,243
SUBTOTAL	\$38,335,899	\$37,808,547	\$36,961,224	\$36,142,133	\$41,029,998	\$40,241,087	\$44,275,476	\$47,350,235	\$44,620,802	\$45,021,909	\$39,527,206	\$34,797,637
TFS	\$2,733	\$2,617	\$2,700	\$2,479	\$2,854	\$2,609	\$2,908	\$2,737	\$2,811	\$3,215	\$2,627	\$2,038
ALS	\$5,126,842	\$5,071,256	\$5,151,165	\$4,787,813	\$5,425,333	\$5,155,316	\$5,154,509	\$5,209,348	\$5,119,984	\$5,313,038	\$5,143,318	\$5,084,537
TSS	\$33,490	\$31,334	\$31,950	\$31,719	\$30,916	\$31,899	\$31,508	\$31,780	\$35,109	\$31,414	\$31,618	\$32,053
SFLS	\$13,880	\$13,880	\$16,852	\$17,146	\$17,413	\$18,258	\$14,747	\$14,584	\$15,405	\$18,529	\$16,824	\$14,375
SLR	\$463,548	\$463,548	\$470,333	\$443,818	\$494,146	\$460,016	\$475,559	\$478,156	\$474,281	\$495,807	\$472,808	\$470,444
SLS	\$1,637,247	\$1,631,005	\$1,634,888	\$1,615,707	\$1,635,164	\$1,627,149	\$1,633,325	\$1,651,646	\$1,641,058	\$1,646,548	\$1,651,026	\$1,671,971
SUBTOTAL	\$7,277,550	\$7,213,640	\$7,307,889	\$6,898,682	\$7,605,826	\$7,302,247	\$7,312,555	\$7,388,251	\$7,288,648	\$7,510,549	\$7,318,222	\$7,275,417
TOTAL RETAIL	\$286,072,343	\$240,476,779	\$239,376,915	\$211,018,401	\$238,018,335	\$259,320,048	\$316,582,195	\$312,146,753	\$293,542,650	\$259,493,680	\$223,520,142	\$250,665,487

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Duke Energy Progress, LLC  
NCUC Docket No. E-2 Sub 1219  
Monthly Retail Revenues by Rate Schedule

South Carolina RATE SCHEDULES	Jan-17											
	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue
RES	21,859,830	17,289,533	16,554,505	13,840,323	14,776,072	17,686,379	22,824,493	21,720,027	20,530,403	16,600,389	14,905,688	18,949,791
R-TOUT	377,217	304,367	293,320	256,846	276,604	323,829	404,199	388,202	368,019	308,594	264,247	304,061
R-TOUT	154	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	22,237,200	17,593,901	16,847,825	14,097,169	15,052,677	18,009,208	23,228,692	22,108,228	20,898,422	16,908,983	15,169,935	19,253,852
SGS	2,760,212	2,283,752	2,328,115	2,183,753	2,455,280	2,801,501	3,258,667	3,458,266	2,920,133	2,714,093	2,245,033	2,358,992
SGS-TOUT	19,325	17,780	35,481	35,337	36,588	37,108	38,258	36,180	38,673	36,626	35,761	35,045
SGS-TOUT	6,316,897	6,232,727	6,267,697	6,200,713	6,749,197	7,295,017	8,179,057	8,068,906	8,382,553	7,580,443	6,512,055	6,406,932
CSE	18,406	14,217	12,975	10,840	12,979	15,602	18,690	16,804	15,077	12,635	11,375	12,137
CSE	445	378	376	368	369	400	470	395	409	365	336	338
MGS	4,542,174	4,252,444	4,221,034	4,015,047	4,493,072	4,669,504	5,229,611	5,102,928	5,269,932	4,744,231	4,232,927	4,174,944
GS	39,425	32,669	29,661	24,107	33,398	38,120	49,390	47,211	42,694	35,979	27,529	31,342
SI	76,585	50,653	62,103	64,931	84,582	161,724	243,429	244,299	230,104	201,064	291,282	293,737
SUBTOTAL	13,773,469	12,894,619	12,957,441	12,535,095	13,865,446	15,024,976	17,017,572	16,974,990	16,899,574	15,325,456	13,356,299	13,313,467
LGS	3,430,307	3,557,313	3,582,146	3,822,575	3,940,413	4,145,163	4,258,651	4,419,175	4,480,774	4,468,828	3,811,558	2,785,430
LGS-TOUT	1,324,108	1,504,664	1,328,776	1,069,183	1,628,883	1,504,376	1,492,764	1,585,867	1,643,037	1,396,606	1,427,501	1,079,567
LGS-RTP	0	0	0	0	0	0	0	0	0	0	0	0
LGS-RTP-TOUT	1,946,704	2,190,831	2,458,201	1,983,250	2,318,014	2,768,317	2,389,381	2,587,273	2,713,280	2,543,753	2,549,449	2,151,040
LGS-CRT-TOUT	4,085,405	2,303,921	382,995	2,414,685	4,152,859	363,826	4,506,937	2,286,539	4,174,730	4,074,159	2,291,953	451,201
SUBTOTAL	10,796,525	9,556,729	7,762,118	9,289,692	12,040,168	8,781,682	12,597,733	10,878,854	9,256,821	12,485,345	10,080,461	6,467,237
ALS	1,114,660	1,118,037	1,144,341	1,094,346	1,200,212	1,150,267	1,147,854	1,152,061	1,146,378	1,201,197	1,159,831	1,112,625
TSS	6,087	6,144	6,144	6,144	6,144	6,144	6,297	6,297	6,300	6,297	6,297	6,297
SFLS	2,166	2,488	2,751	3,563	3,407	3,601	3,168	3,216	3,100	3,480	3,661	3,070
SFLR	46,118	47,984	48,228	46,771	49,529	48,262	48,191	48,410	47,937	51,763	48,927	46,894
SLS	275,336	284,634	285,091	284,758	284,385	285,564	285,113	282,179	286,685	286,989	286,487	285,864
SUBTOTAL	1,444,366	1,459,288	1,456,556	1,435,581	1,543,576	1,483,838	1,490,623	1,492,162	1,490,399	1,548,726	1,505,203	1,454,750
TOTAL RETAIL	48,291,560	41,594,536	39,063,939	37,357,538	42,501,967	43,309,704	54,384,620	51,454,235	48,545,216	46,289,510	40,111,898	40,489,306



## North Carolina RATE SCHEDULES

Source CIM Monthly Report RMC1Y

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2 Sub 1219**  
**Monthly Retail Revenues by Rate Schedule**

	Jan-18 Revenue	Feb-18 Revenue	Mar-18 Revenue	Apr-18 Revenue	May-18 Revenue	Jun-18 Revenue	Jul-18 Revenue	Aug-18 Revenue	Sep-18 Revenue	Oct-18 Revenue	Nov-18 Revenue	Dec-18 Revenue
<b>South Carolina</b>												
<b>RATE SCHEDULES</b>												
RES	30,570,456	22,741,870	16,547,295	16,426,605	14,729,420	20,498,781	24,584,756	24,581,559	22,973,656	20,008,199	16,110,947	21,626,327
R-TOUT	485,751	386,646	287,721	286,243	289,003	357,588	422,266	432,882	376,519	348,422	267,715	340,717
R-TOUT	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	31,056,207	23,128,516	16,835,016	16,722,848	15,008,423	20,856,379	25,007,022	25,014,452	23,350,175	20,356,621	16,378,663	21,967,044
SGS	3,359,883	2,819,623	2,282,676	2,313,825	2,345,833	3,033,556	3,351,705	3,458,926	3,191,691	2,946,691	4,271,897	574,010
SGS-TOUT	37,915	35,219	33,528	34,889	34,759	36,773	35,849	37,272	34,830	36,379	35,037	34,387
SGS-TOUT	7,154,629	6,741,670	6,367,082	6,545,585	6,819,555	7,905,916	8,617,440	9,172,970	8,078,407	7,793,666	6,498,804	6,413,498
CSE	24,988	17,070	11,686	11,499	10,879	14,148	17,615	18,748	16,138	15,680	12,435	14,506
CSG	467	413	339	345	327	397	382	521	416	399	339	369
MGS	5,454,163	4,907,524	4,193,675	4,271,024	4,353,120	4,997,934	5,296,834	5,359,702	6,659,079	5,079,471	4,212,621	4,323,906
GS	35,412	39,783	31,262	29,019	28,788	40,717	53,960	49,980	46,427	36,656	30,967	38,695
SI	233,022	111,915	71,043	81,244	102,637	186,154	251,077	240,367	261,694	188,276	286,367	300,125
SUBTOTAL	16,320,479	14,673,216	12,991,290	13,287,440	13,695,898	16,215,296	17,624,862	18,338,496	18,288,682	16,097,217	15,348,486	11,899,496
LGS	3,542,271	3,986,627	3,762,741	3,948,512	4,112,999	4,588,605	4,650,006	5,135,577	4,038,604	4,911,176	4,236,218	3,355,115
LGS-TOUT	1,853,889	1,531,911	1,419,653	1,480,054	1,136,171	1,547,734	1,289,964	2,486,710	1,281,397	1,527,187	2,076,339	1,591,314
LGS-RTP	0	0	0	0	0	0	0	0	0	0	0	0
LGS-RTP-TOUT	3,081,768	1,876,799	2,256,445	2,520,892	2,405,850	2,813,667	3,107,032	2,731,149	3,073,351	3,009,189	2,513,893	2,659,196
LGS-CRT-TOUT	4,361,512	2,473,629	389,148	4,693,443	4,693,443	4,756,684	4,788,615	2,605,925	424,486	4,229,383	2,597,641	596,337
SUBTOTAL	12,839,440	9,868,965	7,627,987	12,642,901	10,103,945	9,425,290	13,835,617	12,959,361	8,817,837	13,676,935	11,416,090	8,201,963
ALS	1,171,938	1,168,514	1,173,079	1,180,894	1,175,202	1,173,738	1,191,947	1,235,495	1,149,151	1,220,382	1,183,395	1,162,228
TSS	6,250	6,228	6,228	6,228	6,228	6,228	6,329	6,366	6,366	6,366	6,366	6,366
SFLS	2,839	3,004	3,397	3,481	3,453	3,733	3,666	3,226	3,388	3,770	3,531	2,866
SLR	49,732	50,533	50,139	50,802	50,392	50,911	51,157	53,856	49,289	53,617	51,412	49,494
SLS	294,359	298,951	298,758	298,638	298,633	298,945	300,027	301,815	299,870	301,826	301,740	300,613
SUBTOTAL	1,525,117	1,527,230	1,531,600	1,540,042	1,533,307	1,533,554	1,553,125	1,600,758	1,508,065	1,585,961	1,546,445	1,521,567
TOTAL RETAIL	61,741,242	48,197,927	39,185,893	44,193,231	40,342,072	48,030,519	58,020,626	57,913,067	51,964,759	51,716,735	44,688,694	43,990,070

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**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2 Sub 1219**  
**Monthly Retail Number of Bills by Rate Schedule**

North Carolina RATE SCHEDULES	Jan-17		Feb-17		Mar-17		Apr-17		May-17		Jun-17		Jul-17		Aug-17		Sep-17		Oct-17		Nov-17		Dec-17	
	No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills	

RES	1,157,512	1,146,687	1,180,360	1,082,257	1,236,438	1,173,304	1,175,543	1,197,414	1,169,495	1,236,417	1,168,164	1,125,286
R-TOU	3,360	3,340	3,394	3,201	3,537	3,399	3,410	3,449	3,384	3,577	3,416	3,305
R-TOUD	21,688	21,345	21,526	20,207	22,098	21,119	21,032	21,079	20,580	21,642	20,588	19,793
R-TOUE	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	1,182,540	1,171,572	1,205,280	1,105,665	1,262,073	1,197,822	1,199,985	1,221,942	1,193,459	1,261,636	1,192,168	1,148,384
SGS	158,805	156,587	161,428	147,589	168,653	159,258	159,889	162,346	159,104	168,602	159,934	152,416
SGS-TOUCLR	5,090	5,069	5,449	5,150	6,005	5,673	5,881	6,183	6,065	6,362	6,036	5,860
SGS-TOU	21,209	20,908	21,198	19,711	22,314	21,115	21,162	21,319	20,876	22,317	21,078	20,194
SGS-TOUE	615	618	623	593	646	625	635	664	647	690	644	613
SGS-TES	5	5	5	5	5	5	5	5	5	5	5	5
CSE	45	43	47	40	50	44	45	46	43	48	45	42
CSG	1	1	1	1	1	1	1	1	1	1	1	1
CH-TOUE	227	214	241	205	245	230	224	231	217	244	226	218
MGS	16,675	16,244	16,678	15,289	17,565	16,573	16,552	16,834	16,339	17,510	16,360	15,735
SI	569	559	621	584	687	673	743	818	795	818	705	535
APH-TES	3	3	3	3	3	3	3	3	3	3	3	3
SUBTOTAL	203,244	200,251	206,294	189,170	216,174	204,200	205,140	208,440	204,095	216,600	205,037	195,622
LGS	95	89	99	86	101	94	94	96	91	101	94	92
LGS-TOU	121	112	125	107	124	114	114	120	114	127	117	113
LGS-RTP	0	1	1	1	1	1	1	1	1	1	1	1
LGS-RTP-TOU	80	70	74	71	87	73	79	78	74	81	80	72
SUBTOTAL	296	272	299	265	313	282	288	295	280	310	292	278
TFS	108	107	110	99	114	102	112	107	107	131	106	84
ALS	0	0	0	0	0	0	0	0	0	0	0	0
TSS	522	501	492	486	494	489	487	489	488	487	487	487
SFLS	76	77	77	78	79	82	78	76	73	80	73	70
SLR	9,498	9,496	9,507	9,427	9,550	9,548	9,550	9,556	9,559	9,560	9,558	9,566
SLS	1,478	1,476	1,495	1,428	1,519	1,499	1,495	1,527	1,513	1,542	1,532	1,528
SUBTOTAL	11,682	11,657	11,681	11,518	11,756	11,720	11,727	11,755	11,740	11,800	11,756	11,735
TOTAL RETAIL	1,397,762	1,383,752	1,423,554	1,306,618	1,490,316	1,414,024	1,417,140	1,442,432	1,409,574	1,490,346	1,409,253	1,356,019
check	0	0	0	0	0	0	0	0	0	0	0	0

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2 Sub 1219**  
**Monthly Retail Number of Bills by Rate Schedule**

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills

RES	136,624	136,300	137,133	129,715	143,427	137,014	136,865	137,402	135,345	144,617	136,847	130,094
R-TOUD	1,795	1,784	1,782	1,657	1,878	1,772	1,751	1,750	1,726	1,870	1,732	1,590
R-TOUE	2	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	138,421	138,084	138,915	131,372	145,305	138,786	138,616	139,152	137,071	146,487	138,579	131,684
SGS	24,975	24,751	24,690	23,371	25,791	24,626	24,681	24,737	24,536	26,025	24,753	23,431
SGS-TOU-CLR	376	393	712	701	743	722	722	720	711	756	707	678
SGS-TOU	3,115	3,112	3,057	2,941	3,167	3,065	3,077	3,083	3,086	3,239	3,120	2,947
CSE	43	42	44	39	47	43	43	42	42	44	43	39
CSG	2	2	2	2	2	2	2	2	2	2	2	2
MGS	3,205	3,178	3,215	3,002	3,370	3,168	3,195	3,172	3,144	3,331	3,161	3,025
GS	95	95	96	84	106	95	94	97	93	98	93	92
SI	179	168	189	186	237	238	256	252	238	233	204	202
SUBTOTAL	31,990	31,741	32,005	30,326	33,463	31,959	32,070	32,105	31,852	33,728	32,083	30,416
LGS	38	39	38	38	39	39	38	41	38	43	38	37
LGS-TOU	12	12	11	9	13	11	11	11	11	11	10	9
LGS-RTP	0	0	0	0	0	0	0	0	0	0	0	0
LGS-RTP-TOU	11	11	14	11	12	13	11	11	12	12	12	11
LGS-CRIL-TOU	3	2	0	2	3	1	3	2	1	3	2	1
SUBTOTAL	64	64	63	60	67	64	63	65	62	69	62	58
ALS	0	0	0	0	0	0	0	0	0	0	0	0
TSS	64	64	64	64	64	64	64	64	64	64	64	64
SFLS	17	15	16	16	17	17	17	17	18	18	18	18
SLR	793	787	782	780	782	782	782	782	790	790	790	793
SLS	226	229	229	222	229	229	230	230	230	232	229	225
SUBTOTAL	1,100	1,095	1,096	1,082	1,092	1,092	1,093	1,093	1,102	1,104	1,101	1,100
TOTAL RETAIL	171,575	170,984	172,079	162,840	179,927	171,901	171,842	172,415	170,087	181,388	171,825	163,258
check	0	0	0	0	0	0	0	0	0	0	0	0

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2 Sub 1219**  
**Monthly Retail Number of Bills by Rate Schedule**

North Carolina RATE SCHEDULES	Jan-18		Feb-18		Mar-18		Apr-18		May-18		Jun-18		Jul-18		Aug-18		Sep-18		Oct-18		Nov-18		Dec-18	
	No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills		No. of Bills	

RES	1,190,744		1,174,791		1,187,776		1,184,989		1,187,966		1,189,098		1,191,624		1,250,587		1,135,085		1,254,678		1,185,897		1,149,818	
R-TOU	3,442		3,413		3,465		3,454		3,448		3,437		3,486		3,611		3,300		3,659		3,398		3,336	
R-TOUD	20,517		20,181		20,298		20,293		19,986		19,915		19,969		20,301		18,714		19,520		18,871		19,264	
R-TOUE	0		0		0		0		0		0		0		0		0		0		0		0	
SUBTOTAL	1,214,703		1,198,385		1,211,539		1,208,736		1,211,400		1,212,450		1,215,079		1,274,499		1,157,099		1,277,857		1,208,166		1,172,418	
SGS	162,406		159,092		160,617		161,130		160,963		161,174		161,024		169,049		154,265		168,350		161,280		154,881	
SGS-TOUCLR	6,091		6,058		6,064		6,050		6,041		6,022		6,008		6,243		5,803		6,307		5,983		5,743	
SGS-TOU	21,462		21,098		21,287		21,453		21,288		21,184		21,331		22,260		20,198		22,548		21,155		20,293	
SGS-TOUE	648		649		646		646		646		642		639		675		602		673		626		612	
SGS-TES	5		5		5		5		5		5		5		5		4		6		5		5	
CSE	44		44		43		44		43		44		45		44		44		43		44		44	
CSG	1		1		1		1		1		1		1		1		1		1		1		1	
CH-TOUE	228		222		225		226		227		225		227		231		218		234		217		228	
MGS	16,608		16,119		16,443		16,504		16,280		16,245		16,441		17,153		15,558		17,235		16,237		15,650	
SI	558		527		610		643		670		660		745		822		774		792		642		565	
APH-TES	3		3		3		3		8		3		3		3		2		4		3		3	
SUBTOTAL	208,054		203,818		205,944		206,705		206,172		206,205		206,469		216,486		197,469		216,193		206,193		198,025	
LGS	95		93		88		94		96		90		91		91		80		96		88		83	
LGS-TOU	121		112		117		114		121		114		120		123		106		132		118		118	
LGS-RTP	1		0		1		2		1		1		1		1		1		1		1		1	
LGS-RTP-TOU	79		72		77		81		79		75		82		78		73		86		81		75	
SUBTOTAL	296		277		283		291		297		280		294		293		260		315		288		277	
TFS	109		105		104		105		103		101		106		122		84		115		92		100	
ALS	0		0		0		0		0		0		0		0		0		0		0		0	
TSS	487		488		486		485		486		484		488		488		468		468		468		467	
SFS	75		72		75		78		87		79		82		80		79		82		81		76	
SLR	9,571		9,579		9,585		9,584		9,585		9,598		9,579		9,583		9,586		9,588		9,600		9,616	
SLS	1,541		1,527		1,541		1,536		1,535		1,532		1,532		1,540		1,529		1,558		1,551		1,542	
SUBTOTAL	11,783		11,771		11,791		11,788		11,796		11,794		11,767		11,793		11,746		11,811		11,792		11,801	
TOTAL RETAIL	1,434,836		1,414,251		1,429,557		1,427,520		1,429,665		1,430,729		1,433,609		1,503,071		1,366,574		1,506,176		1,426,439		1,382,521	

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**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2 Sub 1219**  
**Monthly Retail Number of Bills by Rate Schedule**

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills	No. of Bills

RES	136,800	136,638	137,260	136,637	136,594	137,132	138,297	144,199	130,488	143,497	136,897	130,589
R-TOUD	1,722	1,711	1,705	1,692	1,688	1,691	1,687	1,787	1,532	1,745	1,624	1,574
R-TOUE	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	138,522	138,349	138,965	138,529	138,282	138,823	139,984	145,986	132,020	145,242	138,521	132,163
SGS	24,802	24,626	24,712	24,659	24,719	24,607	24,837	26,094	23,395	25,708	24,516	23,616
SGS-TOU-CLR	706	706	701	698	693	697	693	720	663	720	690	666
SGS-TOU	3,123	3,111	3,109	3,125	3,110	3,105	3,138	3,256	3,016	3,186	3,088	3,043
CSE	42	40	43	42	43	41	40	48	39	45	42	38
CSG	2	2	2	2	2	2	2	2	2	2	2	2
MGS	3,181	3,134	3,154	3,112	3,142	3,113	3,148	3,283	2,987	3,270	3,147	3,045
GS	94	89	96	93	93	90	96	96	90	88	96	90
SI	174	166	177	218	249	257	266	271	259	234	193	186
SUBTOTAL	32,124	31,874	31,994	31,949	32,051	31,912	32,220	33,770	30,451	33,253	31,774	30,686
LGS												
LGS-TOU	37	39	38	39	39	39	39	42	34	43	39	35
LGS-TOU	11	10	10	10	9	9	10	12	9	10	11	10
LGS-RTP	0	0	0	0	0	0	0	0	0	0	0	0
LGS-RTP-TOU	13	10	12	13	11	12	13	11	12	13	11	13
LGS-CRTE-TOU	3	2	1	3	2	1	3	2	1	3	2	1
SUBTOTAL	64	61	61	65	61	61	65	67	56	69	63	59
ALS												
TSS	0	0	0	0	0	0	0	0	0	0	0	0
SFLS	64	64	64	64	64	64	64	64	64	64	64	64
SFLS	17	17	18	16	17	17	17	18	17	17	17	17
SLR	793	793	793	793	793	793	793	794	794	794	794	795
SLS	229	228	227	227	226	227	227	231	222	227	229	225
SUBTOTAL	1,103	1,102	1,102	1,100	1,100	1,101	1,101	1,107	1,097	1,102	1,104	1,101
TOTAL RETAIL	177,813	177,366	172,122	177,643	177,494	177,897	173,370	180,930	163,624	179,666	177,462	164,009
check	0	0	0	0	0	0	0	0	0	0	0	0

DEP Wholesale Term Transactions (Excluding Excess Generation and Other Term Contracts)  
 Sales for Resale - Account 447

 Duke Energy Progress, LLC  
 NCU Docket No. E-2, Sub 1219  
 Monthly Wholesale Sales, Revenue and Number of Customers by Rate Schedule

Revenues		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
<b>NCENPA</b>													
<b>NCENMC</b>		\$66,269,434	\$31,536,040	\$40,222,281	\$31,959,179	\$33,176,909	\$39,633,351	\$47,610,836	\$43,880,993	\$37,148,431	\$29,877,151	\$36,550,136	\$47,034,121
<b>Fayetteville PWC</b>		\$12,052,120	\$8,394,447	\$10,730,160	\$10,513,031	\$10,163,767	\$14,722,586	\$13,090,673	\$12,218,314	\$10,928,007	\$9,684,616	\$11,539,940	\$10,582,594
<b>Full Requirements</b>													
<b>NCENPA</b>		\$36,422,455	\$25,929,784	\$33,135,397	\$33,499,237	\$32,154,353	\$47,594,100	\$44,356,088	\$39,331,464	\$34,661,913	\$29,849,607	\$34,930,054	\$35,787,511
<b>French Broad EMC</b>		\$3,044,133	\$2,952,792	\$3,070,171	\$2,416,978	\$2,163,074	\$2,163,074	\$2,565,282	\$2,490,725	\$2,079,612	\$2,079,612	\$2,514,990	\$3,216,479
<b>Piedmont EMC</b>		\$706,679	\$357,370	\$454,835	\$324,987	\$280,506	\$371,688	\$551,220	\$540,428	\$394,461	\$288,369	\$356,099	\$576,942
<b>Haywood EMC</b>		\$454,633	\$377,207	\$462,176	\$363,528	\$304,926	\$475,501	\$550,440	\$348,695	\$296,839	\$340,314	\$408,571	\$486,025
<b>Black Creek</b>		\$89,254	\$60,009	\$78,819	\$77,871	\$67,400	\$65,324	\$90,150	\$87,461	\$72,614	\$65,649	\$69,872	\$83,785
<b>Lucama</b>		\$14,013	\$83,529	\$124,209	\$112,786	\$102,468	\$95,689	\$155,986	\$142,027	\$121,401	\$109,584	\$111,591	\$129,525
<b>Sharpsburg</b>		\$133,846	\$87,642	\$103,939	\$103,363	\$91,678	\$96,274	\$143,914	\$725,577	\$106,176	\$94,582	\$101,682	\$123,337
<b>Stantonsburg</b>		\$104,172	\$84,570	\$174,373	\$120,708	\$109,541	\$107,112	\$176,501	\$174,866	\$156,874	\$119,865	\$103,133	\$114,236
<b>Waynesville, NC</b>		\$14,299	\$223,005	\$285,353	\$290,493	\$251,420	\$233,441	\$390,449	\$345,943	\$290,403	\$265,303	\$259,568	\$302,897
<b>Winterville, NC</b>		\$41,436,351	\$29,715,908	\$37,836,273	\$37,316,951	\$35,373,182	\$51,192,213	\$48,791,049	\$43,881,188	\$38,180,278	\$33,212,856	\$38,665,539	\$40,288,686
<b>Subtotal - NC Full Req</b>		\$1,181,432	\$815,693	\$1,111,336	\$1,011,181	\$966,267	\$995,586	\$1,360,169	\$1,275,032	\$1,052,891	\$942,088	\$976,691	\$968,178
<b>Subtotal - SC Full Req</b>		\$1,181,432	\$815,693	\$1,111,336	\$1,011,181	\$966,267	\$995,586	\$1,360,169	\$1,275,032	\$1,052,891	\$942,088	\$976,691	\$968,178
<b>Total Full Requirements</b>		\$42,617,483	\$30,531,602	\$38,947,609	\$37,418,132	\$36,339,449	\$52,087,800	\$59,151,218	\$44,862,220	\$39,233,170	\$34,154,944	\$39,734,230	\$41,256,864
<b>Total NC 447</b>		\$109,741,905	\$69,545,396	\$88,888,695	\$79,589,161	\$78,713,855	\$105,548,533	\$109,492,558	\$99,086,494	\$86,256,717	\$72,774,622	\$85,945,614	\$98,165,402
<b>Total SC 447</b>		\$1,181,432	\$815,693	\$1,111,336	\$1,011,181	\$966,267	\$995,586	\$1,360,169	\$1,275,032	\$1,052,891	\$942,088	\$976,691	\$968,178
<b>Total 447</b>		\$110,923,337	\$70,461,089	\$90,000,031	\$79,600,342	\$79,680,125	\$106,444,119	\$110,852,727	\$100,961,526	\$87,309,608	\$73,716,710	\$86,921,305	\$99,133,580
<b>KWH</b>													
<b>NCENPA</b>													
<b>NCENMC</b>		696,265,057	486,594,223	559,654,545	466,786,964	551,280,140	674,782,129	869,146,973	787,298,222	616,106,151	523,333,231	562,564,432	768,675,955
<b>Fayetteville PWC</b>		177,041,000	142,586,000	163,028,000	148,064,000	163,487,000	184,118,000	214,833,000	208,534,000	174,672,000	159,535,000	166,286,000	185,596,000
<b>Requirements Contracts</b>													
<b>NCENPA</b>		626,235,432	510,244,115	577,275,904	525,992,513	582,767,253	667,600,273	790,052,563	741,398,040	623,792,045	573,222,838	555,813,565	657,672,214
<b>French Broad EMC</b>		50,978,866	42,835,628	46,669,006	37,430,721	38,074,301	38,649,437	46,230,429	44,884,537	38,064,465	41,790,289	44,927,600	55,818,671
<b>Piedmont EMC</b>		7,349,661	4,548,476	5,048,748	2,837,323	2,958,989	5,409,327	8,234,621	7,085,176	5,100,376	4,161,229	5,435,001	8,498,923
<b>Haywood EMC</b>		9,173,307	7,165,942	8,218,723	4,441,282	3,344,240	2,912,872	4,998,582	4,220,600	2,976,865	5,406,556	7,431,887	12,543,247
<b>Black Creek</b>		1,214,579	885,789	1,044,788	853,383	967,162	1,148,381	1,377,043	1,210,535	939,431	866,422	977,630	1,312,541
<b>Lucama</b>		1,880,664	1,388,210	1,618,657	1,261,878	1,447,670	1,707,706	2,182,903	2,032,885	1,647,315	1,448,726	1,570,197	2,070,166
<b>Sharpsburg</b>		1,360,562	1,350,062	1,560,552	1,341,560	1,597,579	1,957,519	2,460,801	2,488,439	2,196,073	1,951,654	2,102,106	2,784,336
<b>Stantonsburg</b>		1,385,936	1,365,936	1,594,930	1,367,572	1,614,682	1,905,118	2,460,801	2,488,439	2,196,073	1,951,654	2,102,106	2,784,336
<b>Waynesville</b>		4,785,969	3,563,888	4,190,605	3,566,653	4,137,360	4,893,973	5,884,959	5,426,656	4,382,275	3,865,575	3,567,948	5,324,750
<b>Subtotal - NC Req</b>		705,017,362	573,460,226	647,121,693	578,982,906	635,593,197	725,823,992	863,391,993	810,535,184	680,532,837	633,617,166	623,103,563	747,122,074
<b>Subtotal - SC Req</b>		16,059,206	12,559,216	14,419,684	12,903,150	15,069,585	17,901,602	21,653,373	20,352,336	15,862,429	14,080,853	14,331,828	17,286,292
<b>Subtotal - SC Req</b>		16,059,206	12,559,216	14,419,684	12,903,150	15,069,585	17,901,602	21,653,373	20,352,336	15,862,429	14,080,853	14,331,828	17,286,292
<b>Total Req Contracts</b>		721,076,568	586,019,442	661,541,377	591,886,056	651,662,782	743,725,594	885,045,366	830,887,520	696,495,265	647,698,019	637,435,391	764,408,366
<b>Total NC 447</b>		1,378,323,419	1,202,643,449	1,370,402,238	1,193,833,870	1,353,350,337	1,584,724,121	1,947,377,956	1,806,589,406	1,471,310,988	1,315,475,597	1,342,244,385	1,701,794,029
<b>Total SC 447</b>		16,059,206	12,559,216	14,419,684	12,903,150	15,069,585	17,901,602	21,653,373	20,352,336	15,862,429	14,080,853	14,331,828	17,286,292
<b>Total 447</b>		1,394,382,625	1,215,202,665	1,384,821,922	1,206,737,020	1,368,420,922	1,602,625,723	1,969,037,339	1,826,941,742	1,487,173,417	1,329,566,450	1,356,576,213	1,719,180,321
<b>Number of NC Customers</b>		11	11	11	11	11	11	11	11	11	11	11	11
<b>Number of SC Customers</b>		1	1	1	1	1	1	1	1	1	1	1	1

DEP Wholesale Term Transactions (Excl)  
Sales for Resale - Account 447

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Monthly Wholesale Sales, Revenue and Number of Customers by Rate Schedule

Revenues		Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
NCENPA													
NCENMC		\$99,391,455	\$44,655,331	\$49,418,483	\$31,430,898	\$41,572,201	\$52,427,324	\$51,171,285	\$53,589,598	\$38,105,018	\$35,067,088	\$40,262,790	\$40,851,033
Fayetteville PWC		\$20,343,554	\$11,492,509	\$11,881,825	\$9,901,756	\$13,475,480	\$11,336,546	\$14,738,049	\$13,672,010	\$11,415,478	\$11,204,598	\$9,760,716	\$13,585,157
Full Requirements													
NCENPA		\$65,677,224	\$34,872,615	\$36,569,190	\$32,054,107	\$41,563,537	\$36,157,166	\$48,570,728	\$46,122,713	\$40,267,108	\$36,372,872	\$30,203,012	\$41,681,765
French Broad EMC		\$4,787,228	\$2,606,267	\$2,742,334	\$2,881,608	\$2,635,220	\$2,977,326	\$2,633,301	\$2,638,743	\$2,308,743	\$2,576,758	\$4,017,569	\$1,671,401
Piedmont EMC		\$1,235,506	\$520,809	\$520,909	\$291,287	\$435,989	\$288,785	\$444,723	\$392,088	\$381,506	\$484,406	\$482,561	\$601,960
Haywood EMC		\$1,073,405	\$447,097	\$506,615	\$477,601	\$371,581	\$220,316	\$263,879	\$352,205	\$299,472	\$419,434	(\$340,417)	\$656,876
Black Creek		\$3,151	\$3,535	\$3,535	\$3,535	\$3,535	(\$4,938)	\$3,535	\$3,535	\$3,535	\$3,535	\$3,535	\$3,535
Lucama		\$14,307	\$5,448	\$5,448	\$5,448	\$5,448	(\$7,337)	\$5,448	\$5,448	\$5,448	\$5,448	\$5,448	\$5,448
Sharpsburg		\$13,530	\$5,039	\$5,039	\$5,039	\$5,039	(\$8,338)	\$5,039	\$5,039	\$5,039	\$5,039	\$5,039	\$5,039
Stantonsburg		\$13,802	\$5,888	\$5,888	\$5,888	\$5,888	(\$10,688)	\$5,888	\$5,888	\$5,888	\$5,888	\$5,888	\$5,888
Waynesville, NC													
Winterville, NC		\$18,216	\$14,569	\$14,569	\$14,569	\$14,569	(\$13,651)	\$14,569	\$14,569	\$14,569	\$14,569	\$14,569	\$14,569
Subtotal - NC Full Req		\$72,865,369	\$38,551,068	\$40,373,327	\$35,538,882	\$45,431,606	\$39,837,641	\$52,048,168	\$49,724,565	\$43,291,107	\$39,887,749	\$34,397,005	\$44,626,282
Carmel, SC		\$2,106,039	\$1,004,166	\$1,141,966	\$795,912	\$1,210,142	\$1,776,197	\$1,446,986	\$1,326,447	\$1,078,087	\$1,020,321	\$940,377	\$1,352,885
Subtotal - SC Full Req		\$2,106,039	\$1,004,166	\$1,141,966	\$795,912	\$1,210,142	\$1,776,197	\$1,446,986	\$1,326,447	\$1,078,087	\$1,020,321	\$940,377	\$1,352,885
Total Full Requirements		\$74,971,408	\$39,555,234	\$41,515,293	\$36,334,794	\$46,641,748	\$41,613,838	\$53,495,153	\$51,051,012	\$44,369,195	\$40,908,071	\$35,337,382	\$46,979,167
Total NC 447		\$192,600,409	\$94,699,008	\$101,673,633	\$76,871,336	\$100,473,287	\$103,601,511	\$117,957,481	\$116,996,434	\$92,871,604	\$86,199,435	\$64,520,470	\$107,063,072
Total SC 447		\$2,106,039	\$1,004,166	\$1,141,966	\$795,912	\$1,210,142	\$1,776,197	\$1,446,986	\$1,326,447	\$1,078,087	\$1,020,321	\$940,377	\$1,352,885
Total 447		\$194,706,447	\$95,703,174	\$102,815,603	\$77,667,248	\$101,683,429	\$105,377,708	\$119,404,467	\$118,322,880	\$93,889,691	\$87,179,757	\$65,460,847	\$108,415,957

MWh		Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
NCENPA													
NCENMC		1,010,163,979	508,812,402	644,767,413	438,771,880	593,196,902	794,453,077	818,742,210	838,568,870	668,370,207	522,144,277	536,436,280	671,162,870
Fayetteville PWC		219,546,000	147,249,000	170,400,000	142,439,000	180,925,000	208,548,000	209,238,000	213,229,000	180,864,000	163,227,000	169,597,000	177,215,000
Requirements Contracts													
NCENPA		756,395,165	531,589,857	611,424,742	517,308,060	628,884,962	736,332,697	750,182,613	784,396,810	706,729,475	598,688,362	564,472,487	623,557,842
French Broad EMC		65,547,337	42,379,754	49,051,891	39,974,885	39,196,230	42,821,593	46,879,846	45,029,288	42,925,594	43,215,552	49,868,819	53,580,101
Piedmont EMC		11,161,331	6,836,592	6,836,592	3,161,196	4,168,315	7,134,718	7,869,475	7,864,235	5,280,111	5,406,995	5,855,909	7,883,562
Haywood EMC		15,987,522	6,803,511	8,964,117	6,725,588	3,212,299	3,875,962	5,023,329	3,790,226	3,749,634	5,779,718	10,041,723	11,917,781
Black Creek													
Lucama													
Sharpsburg													
Stantonsburg													
Waynesville													
Winterville													
Subtotal - NC Req		849,601,355	585,823,241	676,277,242	567,169,499	675,461,806	790,164,970	809,955,263	841,070,559	758,664,814	653,100,627	630,356,938	686,599,286
Carmel		21,620,044	12,837,547	14,915,708	12,081,054	16,285,580	20,427,577	20,744,661	20,688,190	19,021,888	14,719,693	14,810,372	17,291,219
Subtotal - SC Req		21,620,044	12,837,547	14,915,708	12,081,054	16,285,580	20,427,577	20,744,661	20,688,190	19,021,888	14,719,693	14,810,372	17,291,219
Total Req Contracts		871,220,399	598,660,788	691,193,050	579,250,553	691,748,386	810,592,547	830,699,924	861,758,749	777,686,702	667,820,320	645,167,310	714,230,505
Total NC 447		2,079,311,334	1,242,584,643	1,491,484,755	1,148,320,379	1,449,583,708	1,742,976,047	1,837,945,473	1,892,868,429	1,606,899,021	1,338,471,904	1,326,630,228	1,545,317,156
Total SC 447		21,620,044	12,837,547	14,915,708	12,081,054	16,285,580	20,427,577	20,744,661	20,688,190	19,021,888	14,719,693	14,810,372	17,291,219
Total 447		2,100,930,378	1,255,422,190	1,506,399,463	1,160,401,433	1,465,869,288	1,813,403,624	1,858,690,134	1,913,556,619	1,625,920,909	1,353,191,597	1,341,440,600	1,562,608,375

NOTE: DEP stopped selling electricity to Black Creek, Lucama, Sharpsburg, Stantonsburg, and Winterville at the end of 2017. However in 2018-19 DEP is billing these customers for CCR and BR therefore they will have \$ revenues but no associated MWh.

Number of NC Customers		6	6	6	6	6	6	6	6	6	6	6	6
Number of SC Customers		1	1	1	1	1	1	1	1	1	1	1	1

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 45

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

**Request:**

Fully distributed cost of service studies for the test year based on the following:

- a. Per books
- b. Rates in effect at the time of the application annualized for the test year
- c. Rates proposed in the application annualized for the test year
- d. For studies noted in b and c above, supply the customer, demand, and energy-related 1) deductions for electric operating revenues and 2) rate base for each rate schedule. Include all applicable workpapers including derivation of allocation factors.
- e. For studies noted in b and c above, supply customer, demand, energy, and combined demand and energy-related unit cost based on billing units and equalized rate of return.
- f. If not shown as a part of items 45a through e above, provide the jurisdictional allocation study showing each jurisdiction including the calculation of energy and demand allocation factors and all applicable work papers.

**Response:**

See the attached files.

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 12.19, E1 Item #45A, "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - PER BOOKS	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
BOOK REVENUES	5,682,421,300	3,657,503,448	1,849,210,598	241,400,618	4,373,094	909,572,200	554,939,969	5,301,949	514,860	64,956,911	27,026,067	207,182	607,102,779	1,417,815,073
OPERATING EXPENSES:														
BOOK O&M EXPENSE	3,366,539,352	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317	360,530,508	914,784,732
BOOK DEPRECIATION EXPENSE	788,513,580	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,886,470	8,887,690	31,333	72,826,332	178,881,074
BOOK OTHER AMORTIZATIONS	271,746,844	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520	23,017,391	115,748,144
BOOK OTHER TAXES	153,362,212	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531	16,643,312	34,521,855
BOOK STATE INCOME TAX	(3,938,471)	(2,916,502)	(1,329,170)	(202,892)	(2,953)	(774,766)	(437,402)	(7,751)	(153)	(163,223)	2,123	(316)	(511,775)	(510,194)
BOOK FEDERAL INCOME TAX	(66,292,963)	(49,091,019)	(22,372,795)	(3,415,110)	(49,700)	(13,040,976)	(7,382,420)	(130,468)	(2,570)	(2,747,398)	35,735	(5,318)	(8,614,280)	(8,587,664)
BOOK INVESTMENT TAX CREDITS	(3,355,660)	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,996)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)	(330,599)	(891,146)
BOOK DEFERRED INCOME TAXES	220,852,977	164,993,723	75,194,419	11,478,101	167,039	43,930,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875	24,456,467	31,402,787
TOTAL OPER EXPENSE - PB	4,727,427,871	2,974,060,928	1,516,164,664	194,343,712	3,673,841	737,469,059	459,501,817	3,759,051	464,315	34,725,060	23,815,539	143,870	488,017,355	1,265,349,588
RETURN BEFORE ADJUSTMENTS	954,993,430	683,442,520	333,045,935	47,056,907	699,253	172,103,141	95,438,151	1,542,898	50,546	30,231,850	3,210,529	63,312	119,085,424	152,465,485
INTEREST ON CUST DEPOSITS - INPUT	(8,642,928)	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)	(671,939)	0
INCOME FOR RETURN	946,350,502	675,471,531	326,254,258	46,150,990	665,232	171,883,948	95,436,572	1,538,081	46,131	30,231,850	3,201,597	62,870	118,413,486	152,465,485
YEAR END RATE BASE:														
BOOK PLANT IN SERVICE	27,501,759,911	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182	2,813,572,362	6,009,599,213
BOOK DEPRECIATION RESERVE	(11,648,792,558)	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)	(1,213,166,612)	(2,393,566,441)
BOOK NET PLANT IN SERVICE	15,852,967,353	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099	1,600,405,750	3,616,032,772
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	376,787,567	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	38,628,332	107,906,913
BOOK ACCUM DEFERRED INC TAX	(2,000,063,659)	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,668,974)	(151,424,353)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)	(192,878,305)	(474,557,444)
BOOK OPERATING RESERVES	(82,758,567)	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)	(8,625,928)	(19,427,981)
BOOK MATERIALS & SUPPLIES	1,076,700,909	754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	54,613	97,879,398	224,047,629
BOOK WORKING CAPITAL, REG ASSETS	(642,894,609)	(375,172,176)	(221,885,095)	(75,646,532)	(2,626,699)	(24,947,952)	(17,582,979)	(500,528)	(252,277)	(18,880,094)	(12,840,073)	(47,947)	(26,965,433)	(240,757,000)
BOOK RATE BASE	14,580,738,993	9,859,050,290	5,401,739,228	653,629,289	10,083,501	2,257,172,631	1,201,803,010	13,513,933	1,187,739	168,951,290	150,421,433	548,237	1,508,443,814	3,213,244,889
RATE OF RETURN	6.49%	6.85%	6.04%	7.06%	6.60%	7.62%	7.94%	11.38%	3.88%	17.89%	2.13%	11.47%	7.85%	4.74%



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - REVENUES	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
SALES OF ELECTRICITY:														
RETAIL SALES OF ELECTRICITY	4,156,399,663	3,563,165,280	1,820,227,876	226,009,560	3,781,169	886,079,172	532,588,876	5,200,515	454,335	62,444,191	26,178,894	200,691	593,234,384	0
REV - REPS	24,719,022	24,719,022	8,278,986	11,293,212	459,221	3,377,339	109,249	35,883	44,178	1,021,561	95,302	4,090	0	0
REV UNBILLED REVENUES	(13,507,473)	(12,086,317)	(10,422,074)	(118,784)	(1,947)	(632,887)	(613,073)	(2,798)	(3,715)	(116,405)	(184,529)	(103)	(1,411,156)	0
REV - SALES FOR RESALE D/A	1,290,633,209	0	0	0	0	0	0	0	0	0	0	0	0	1,290,633,209
REV - SALES FOR RESALE CREDIT - TRANSMISSION	75,611	45,117	22,377	2,755	23	12,714	7,213	32	3	0	0	0	6,926	23,567
REV - SALES FOR RESALE CREDIT - ENERGY	212,819,562	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793	21,818,301	60,948,672
REV - SALES FOR RESALE CREDIT - DEMAND	7,830,000	4,817,627	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0	739,614	2,272,759
REV - PROV FOR RATE REFUND	(112,908,671)	(98,495,765)	(54,852,620)	(6,629,775)	(103,322)	(21,785,156)	(11,500,851)	(136,065)	(11,980)	(1,826,621)	(1,643,622)	(5,751)	(14,412,906)	0
REV - PROV FOR RATE REFUND - JJAAR	(6,050,000)	(6,050,000)	(3,000,740)	(369,379)	(3,040)	(1,704,932)	(967,179)	(4,289)	(441)	(0)	(0)	(0)	0	0
TOTAL SALES OF ELECTRICITY	5,560,010,922	3,606,157,551	1,818,848,412	237,061,216	4,241,142	904,342,037	548,563,066	5,241,288	498,766	62,425,849	24,733,065	202,719	589,975,163	1,353,878,208
OTHER REVENUES:														
REV - FOREFEITED DISCOUNTS (450) AS INPUT	8,582,371	7,663,772	6,529,912	871,001	32,710	210,744	1,518	4,631	4,244	0	8,587	424	918,599	0
REV - MISC SERVICE REVENUES (451)	6,165,627	5,505,700	4,691,128	625,732	23,499	151,400	1,091	3,327	3,049	0	6,169	305	659,927	0
REV - RENT (454) - DIST PLT REL	5,124,157	4,465,630	3,050,606	358,230	9,613	438,324	109,550	12,410	977	255,741	229,381	798	643,994	14,533
REV - RENT (454) - DIST POLE RENTAL REV	12,960,572	10,901,069	8,679,686	1,079,012	34,313	807,244	133,549	23,738	4,465	12,922	123,870	2,271	2,059,503	0
REV - RENT (454) - TRANS PLT REL	639,579	381,636	189,288	23,301	192	107,548	61,010	271	28	0	0	0	58,590	199,353
REV - RENT (454) - ADD FAC - WHLS	2,806,145	0	0	0	0	0	0	0	0	0	0	0	0	2,806,145
REV - RENT (454) - ADD FAC - RET x LIGHTING	5,162,072	4,617,085	18	40,902	0	227,143	4,349,022	0	0	0	0	0	544,987	0
REV - RENT (454) - ADD FAC - LIGHTING	4,184,534	3,848,777	0	0	0	0	0	0	0	2,063,915	1,784,862	0	335,757	0
REV - RENT (454) - OTHER	5,086,652	3,412,883	1,900,646	229,722	3,580	754,857	398,505	4,715	415	63,292	56,952	199	513,513	1,160,256
REV - OTHER ELEC REV (456) - PROD PLT REL	1,924,556	1,184,137	587,320	72,297	595	333,698	189,301	839	86	0	0	0	181,792	558,627
REV - OTHER ELEC REV (456) - TRANS REL	10,403,096	6,207,517	3,078,667	378,966	3,119	1,749,321	992,361	4,400	452	0	0	0	952,993	3,242,586
REV - OTHER ELEC REV (456) - WH D/A	55,825,581	0	0	0	0	0	0	0	0	0	0	0	0	55,825,581
REV - OTHER ELEC REV (456) - OTHER	548,940	368,310	205,113	24,791	386	81,462	43,006	509	45	6,830	6,146	22	55,417	125,212
REV - OTHER ELEC REV (456) - REPS	1,114,245	1,114,245	373,187	509,058	20,700	152,238	4,925	1,617	1,991	46,048	4,296	184	0	0
REV - OTHER ELEC REV (456) - DIS PLT REL	1,611,605	1,404,491	959,450	112,667	3,024	137,858	34,455	3,903	307	80,433	72,143	251	202,543	4,571
REV - OTHER NC RETAIL SPECIFIC	270,645	270,645	116,965	13,692	222	78,327	58,620	301	33	1,879	597	8	0	0
TOTAL OTHER REVENUES	122,410,378	51,345,897	30,362,186	4,339,402	131,953	5,230,163	6,376,912	60,660	16,084	2,531,062	2,293,002	4,463	7,127,616	63,936,965
BOOK REVENUES	5,682,421,300	3,657,503,448	1,849,210,598	241,400,618	4,373,094	909,572,200	554,939,969	5,301,949	514,860	64,956,911	27,026,067	207,182	607,102,779	1,417,815,073
Functionalized Book Revenues	5,395,111,332	3,471,242,220	1,760,231,428	230,184,834	4,132,081	865,333,536	519,617,022	5,093,246	482,377	61,522,726	24,446,044	198,926	577,410,322	1,346,458,790
REVENUE ADJUSTMENTS:														
TOTAL REVENUE ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ADJUSTED REVENUE	5,682,421,300	3,657,503,448	1,849,210,598	241,400,618	4,373,094	909,572,200	554,939,969	5,301,949	514,860	64,956,911	27,026,067	207,182	607,102,779	1,417,815,073
Functionalized Adjusted Revenues	5,395,111,332	3,471,242,220	1,760,231,428	230,184,834	4,132,081	865,333,536	519,617,022	5,093,246	482,377	61,522,726	24,446,044	198,926	577,410,322	1,346,458,790

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>PRODUCTION O&amp;M EXPENSE:</b>														
<b>FUEL</b>														
OM PROD ENERGY - FUEL	1,410,621,869	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	144,000,038	403,501,350
OM NC REPS RECS EXPENSE	18,521,748	18,521,748	6,203,372	8,461,905	344,080	2,530,610	81,860	28,887	33,102	765,447	71,409	3,065	0	0
TOTAL FUEL	1,429,143,617	881,642,228	379,220,044	52,128,033	1,051,679	252,323,832	187,028,873	986,520	139,523	6,759,204	1,976,281	28,241	144,000,038	403,501,350
<b>PURCHASE POWER</b>														
OM PROD PURCHASES - CAPACITY COST	109,348,837	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0	10,328,982	31,739,922
OM PROD PURCHASES - ENERGY COST	597,919,200	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658	61,298,788	171,236,052
OM DEFERRED FUEL EXPENSE	(316,590,958)	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	(20,576,893)	(22,112,891)
TOTAL PURCHASES & DEF. FUEL	390,677,079	156,763,118	73,285,546	8,780,177	109,525	45,559,072	30,015,712	148,967	16,288	641,374	203,835	2,623	51,050,877	180,863,084
TOTAL FUEL, DEF. FUEL & PURCH POWER	1,819,820,696	1,040,405,347	452,505,590	60,908,210	1,161,204	297,882,903	217,044,585	1,135,487	155,812	7,400,578	2,180,116	30,863	195,050,915	584,364,434
<b>DEMAND RELATED:</b>														
OM PROD FIXED O&M	316,702,394	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0	29,327,143	93,708,486
TOTAL PRODUCTION O&M-DEMAND	316,702,394	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0	29,327,143	93,708,486
<b>ENERGY RELATED:</b>														
OM PROD VARIABLE O&M	456,430,608	278,998,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138	44,807,583	132,623,232
OM PROD VARIABLE O&M-DEPR REL	13,602	0	0	0	0	0	0	0	0	0	0	0	13,602	0
OM OTHER EXPENSES - DSM REL	83,717,978	67,881,412	42,386,568	4,937,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452	15,836,566	0
TOTAL PRODUCTION O&M-ENERGY	540,162,188	346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590	60,657,751	132,623,232
TOTAL PRODUCTION O&M	2,676,685,278	1,580,953,317	711,524,907	91,784,580	1,568,081	452,384,445	309,468,522	1,686,500	216,488	9,447,579	2,832,761	39,453	285,035,809	810,696,152
<b>TRANSMISSION O&amp;M EXPENSE:</b>														
OM TRANSMISSION EXP - TRANS	35,995,513	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0	3,668,383	11,421,121
OM TRANS EXP - OTH PROD RELATED	2,840,299	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0	268,292	824,434
TOTAL TRANSMISSION O&M	38,835,812	22,653,573	11,235,948	1,383,099	11,383	6,383,934	3,621,499	16,059	1,650	0	0	0	3,936,684	12,245,555
<b>DISTRIBUTION O&amp;M EXPENSE:</b>														
OM OVERHEAD LINES	123,726,440	110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	2,186,12	45,056	139,630	133,185	19,014	13,122,424	69,321
OM UNDERGROUND LINES	12,976,498	11,787,240	9,206,643	1,075,590	28,394	1,222,905	175,042	32,282	3,709	24,988	15,026	2,662	1,189,258	0
OM LINE TRANSFORMERS	1,100,854	996,698	730,965	79,506	1,551	145,374	30,295	4,517	204	2,975	1,309	2	103,563	592
OM METER EXPENSE	7,620,128	6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304	866,894	160,950
OM STREET LIGHTS	8,264,418	7,164,040	0	0	0	0	0	0	0	0	0	0	1,100,378	0
OM DISTRIBUTION RENTS	2,489,215	2,088,877	1,679,564	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359	398,240	2,098
OM LOAD DISPATCH	4,689,874	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414	567,269	62,950
OM DISTRIBUTION EXP - MISC & SUPERVISION	25,996,850	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049	3,266,212	81,836
OM CUSTOMER INSTALLATIONS	5,461,524	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0	936,303	0
OM SUBSTATIONS	3,823,098	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968	462,427	51,315
OM DISTRIBUTION EXP - DSM/EE	3,896,286	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21	737,043	0
TOTAL DISTRIBUTION O&M	200,045,185	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792	22,750,012	429,061

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
CUST. ACCOUNTING EXPENSE:														
OM METER READING	5,525,904	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	274	591,082	32
OM CUST ACCT EXP - MISC	1,176,544	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	1,177	58	125,929	0
OM UNCOLLECTIBLES	10,008,548	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495	1,071,247	0
OM CUSTOMER RECORDS, EXCL REPS	39,373,363	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922	4,675,762	0
TOTAL CUST ACCT EXPENSE	56,084,359	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749	6,464,011	32
CUST. SERV & INFO EXPENSE:														
OM CUST SERV & INFO - CUST ASSIST	3,586,027	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	383,824	0
TOTAL CUST SERV & INFO EXP	3,586,027	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	383,824	0
SALES EXPENSE:														
OM SALES EXPENSE - DEMO & SELLING	7,872,519	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378	818,035	229,705
OM SALES EXPENSE - DSM/EE	1,708	1,385	865	101	2	391	21	2	0	2	1	0	323	0
TOTAL SALES EXPENSE	7,874,227	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378	818,358	229,705
ADMIN & GENERAL EXPENSE:														
A&G REGULATORY EXPENSE:														
OM REGULATORY EXPENSE-NCUC COAL ASH FEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY FEE - NCRETAIL	5,900,866	5,900,866	3,226,741	394,764	7,510	1,362,082	830,970	6,768	990	22,425	48,316	301	786,232	0
OM REGULATORY EXPENSE-SCRETAIL	786,232	0	0	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY EXPENSE-TRANS	1,905,198	1,136,830	563,856	69,408	571	320,367	181,739	806	83	0	0	0	174,529	593,839
TOTAL ADM & GEN REG EXPENSE	8,592,296	7,037,696	3,790,597	464,172	8,081	1,682,448	1,012,709	7,574	1,073	22,425	48,316	301	960,761	593,839
OTHER A&G EXPENSE:														
OM A&G LABOR RELATED & MISC	366,867,609	237,903,652	130,091,650	15,915,591	302,761	54,914,680	33,502,006	272,875	39,927	904,093	1,947,941	12,127	38,808,818	90,155,139
OM A&G LABOR RELATED - DSM/EE	1,339,861	1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7	253,456	0
OM A&G LABOR RELATED - DERP	355,182	0	0	0	0	0	0	0	0	0	0	0	355,182	0
OM A&G ALL PLANT RELATED	5,598,739	4,575,062	2,564,177	309,613	4,929	997,648	520,903	6,496	568	89,752	80,693	282	689,146	334,531
OM A&G GENERAL PLT RELATED	674,778	499,614	307,003	37,036	843	84,304	42,494	898	97	13,740	13,149	51	74,447	100,718
TOTAL ADM & GEN PLT EXPENSE	374,836,168	244,064,732	133,641,204	16,341,259	309,827	56,303,604	34,081,947	281,927	40,786	1,009,338	2,042,374	12,467	40,181,048	90,590,388
TOTAL ADMIN AND GEN EXPENSE	383,428,464	251,102,428	137,431,801	16,805,431	317,907	57,986,052	35,094,656	289,501	41,859	1,031,763	2,090,690	12,768	41,141,809	91,184,227
BOOK O&M EXPENSE	3,366,539,352	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317	360,530,508	914,784,732

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:														
PRODUCTION FUNCTION:														
DPE PRODUCTION RELATED	505,099,344	310,776,507	154,142,068	18,974,261	156,166	87,578,976	49,682,092	220,308	22,636	0	0	0	47,711,181	146,611,656
DPE EXT. DECOM. TRUST-PROD	22,240,059	17,337,167	8,599,063	1,058,510	8,712	4,885,734	2,771,595	12,290	1,263	0	0	0	0	4,902,892
DPE CONTRA AFUDC NC RET-PROD	(6,208,430)	(6,208,430)	(3,079,320)	(379,052)	(3,120)	(1,749,579)	(992,507)	(4,401)	(452)	(0)	(0)	(0)	0	0
DPE CONTRA AFUDC SC RET-PROD	(673,242)	0	0	0	0	0	0	0	0	0	0	0	(673,242)	0
DPE CONTRA AFUDC WHSL - PROD	(819,151)	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-NCR	(4,932,690)	(4,932,690)	(2,446,565)	(301,162)	(2,479)	(1,390,066)	(788,561)	(3,497)	(359)	(0)	(0)	(0)	0	(819,151)
DPE HARRIS PLANT DISALLOW-SCR	(668,270)	0	0	0	0	0	0	0	0	0	0	0	(668,270)	0
DPE HARRIS PLANT DISALLOW-WHSL	(1,093,983)	0	0	0	0	0	0	0	0	0	0	0	0	(1,093,983)
DPE HARRIS PLT. DISALLOW-NCEMPA	(315,310)	0	0	0	0	0	0	0	0	0	0	0	0	(315,310)
DPE OTHER NC RETAIL SPECIFIC EXPENSE	(12,655,516)	(12,655,516)	(6,277,010)	(772,674)	(6,359)	(3,566,412)	(2,023,166)	(8,971)	(922)	(0)	(0)	(0)	0	0
DPE OTHER SC RETAIL SPECIFIC EXPENSE	(13,212,909)	0	0	0	0	0	0	0	0	0	0	0	(13,212,909)	0
DPE RATE DIFF. PROD - SC	1,283,116	0	0	0	0	0	0	0	0	0	0	0	1,283,116	0
DPE RATE DIFF. PROD - WHSLE	418,979	0	0	0	0	0	0	0	0	0	0	0	0	418,979
DPE RATE DIFF. PROD - NCEMPA	191,197	0	0	0	0	0	0	0	0	0	0	0	0	191,197
TOTAL PRODUCTION PLT DEPR.	488,653,194	304,317,039	150,938,236	18,579,882	152,920	85,758,653	48,649,453	215,729	22,166	0	0	0	34,439,876	149,886,279
DPE TRANS RELATED - PROD	3,470,493	2,135,318	1,059,097	130,370	1,073	601,747	341,361	1,514	156	0	0	0	327,819	1,007,356
DPE TRANS RELATED - TRANS	44,607,676	26,640,447	13,213,398	1,626,515	13,387	7,507,463	4,258,858	18,885	1,940	0	0	0	4,089,908	13,877,322
DPE TRANS RELATED - SC RETAIL	(506,930)	0	0	0	0	0	0	0	0	0	0	0	(506,930)	0
DPE TRANS RELATED - OATT CONTRA	(95,694)	0	0	0	0	0	0	0	0	0	0	0	0	(95,694)
DPE TRANS RELATED - NC RETAIL	425	425	211	26	0	120	68	0	0	0	0	0	0	0
DPE DISTRIBUTION PLANT	174,114,401	151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124	21,882,356	493,834
DPE DISTRIBUTION DEPRN - SCR	6,731,628	0	0	0	0	0	0	0	0	0	0	0	6,731,628	0
DPE DISTRIBUTION DEPRN - NC STORM	1,043,015	1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179	0	0
DPE DISTRIBUTION DEPRN - SC STORM	(904,672)	0	0	0	0	0	0	0	0	0	0	0	(904,672)	0
DPE GENERAL PLANT	30,179,044	22,344,918	13,730,513	1,656,411	37,708	3,770,456	1,900,497	40,179	4,320	614,502	588,064	2,267	3,329,591	4,504,535
DPE GENERAL PLANT - SCR	(869,299)	0	0	0	0	0	0	0	0	0	0	0	(869,299)	0
DPE AMORT LTD TERM PLT	42,090,299	28,586,802	16,021,995	1,934,587	30,800	6,233,699	3,254,811	40,591	3,546	560,808	504,204	1,762	4,306,055	9,197,441
BOOK DEPRECIATION EXPENSE	788,513,580	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333	72,826,332	178,881,074
DEPRECIATION EXPENSE ADJUSTMENTS:														
TOTAL DEPR EXP ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ DEPRECIATION EXPENSE	788,513,580	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333	72,826,332	178,881,074



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
OTHER AMORTIZATION EXPENSE:														
AMORT WHS SPEC - MAYO, RECS	754,347	0	0	0	0	0	0	0	0	0	0	0	0	754,347
AMORT NUCLEAR DESIGN BASIS	721,298	443,799	220,120	27,096	223	125,066	70,948	315	32	0	0	0	68,133	209,366
AMORT NCEMPA ACO ADJ	12,758,733	7,850,168	3,893,605	479,287	3,945	2,212,232	1,254,962	5,565	572	0	0	0	1,205,177	3,703,388
AMORT DSM/EE DEBIT	152,657,483	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	198,443	66,851	819	29,690,142	0
AMORT DSM/EE CREDIT	(26,257,581)	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(34,358)	(11,575)	(142)	(4,967,032)	0
AMORT DSM/EE O&M DEFERRAL	(85,086,903)	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,684)	(39,645)	(486)	(12,162,471)	0
AMORT DSM/EE CAPITAL DEFERRAL	(12,069,234)	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)	(2,283,085)	0
AMORT NC REPS DEBIT	(16,877,347)	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)	0	0
AMORT NC REPS DEFERRAL	23,391,433	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,966	41,806	966,696	90,183	3,870	0	0
AMORT SC DERP AMORTIZATION	783,315	0	0	0	0	0	0	0	0	0	0	0	783,315	0
AMORT SC POLLUTION CNTL DPE DEF	2,513,675	0	0	0	0	0	0	0	0	0	0	0	2,513,675	0
AMORT RETIRED PLANT	23,063,287	17,628,029	8,743,328	1,076,268	8,858	4,967,701	2,818,094	12,496	1,284	0	0	0	2,706,299	2,718,959
AMORT OTHER NC RETAIL PROD REL	14,076,338	14,076,338	6,981,724	859,422	7,073	3,966,810	2,250,305	9,979	1,025	0	0	0	0	0
AMORT SC DEFERRED ASH AMORTIZATION	752,003	0	0	0	0	0	0	0	0	0	0	0	752,003	0
AMORT WHL DEFERRED ASH AMORTIZATION	108,409,471	0	0	0	0	0	0	0	0	0	0	0	0	108,409,471
AMORT NC STORM DEFERRAL	22,964,378	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	0	0
AMORT NC EDIT	(3,272,588)	(3,272,588)	(1,822,515)	(220,279)	(3,433)	(723,826)	(382,124)	(4,521)	(398)	(60,691)	(54,610)	(191)	0	0
AMORT RETIRED METERS	377,415	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0	0
AMORT COR	575,758	575,758	285,570	35,153	289	162,253	92,043	408	42	0	0	0	0	0
AMORT NC RETAIL CONTINUING	1,994,356	1,994,356	1,110,663	134,241	2,092	444,109	232,871	2,755	243	36,986	33,280	116	0	0
AMORT OTHER NC RETAIL SPECIFIC	44,964,405	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	0	0
AMORT OTHER SC RETAIL SPECIFIC	4,728,207	0	0	0	0	0	0	0	0	0	0	0	4,728,207	0
AMORT DISP. OF ALLOWANCES	(165,404)	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	(16,972)	(47,388)
BOOK OTHER AMORTIZATIONS	271,746,844	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520	23,017,391	115,748,144
TOTAL OTHER AMORT ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ OTHER AMORTIZATIONS	271,746,844	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520	23,017,391	115,748,144



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
OTHER TAXES														
OT LABOR RELATED - DSM/EE	39,432,432	26,065,158	14,253,079	1,743,741	33,171	6,016,553	3,670,541	29,897	4,375	99,054	213,420	1,329	4,133,385	9,233,889
OT LABOR RELATED - DERP	275,232	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1	52,064	0
OT PROPERTY TAX - PROD	13,426	0	0	0	0	0	0	0	0	0	0	0	13,426	0
OT PROPERTY TAX - TRANS	64,879,262	39,881,401	19,780,780	2,434,933	20,040	11,238,855	6,375,615	28,272	2,905	0	0	0	6,193,860	18,804,001
OT PROPERTY TAX - DISTR	10,754,363	6,386,407	3,167,595	389,918	3,209	1,799,734	1,020,959	4,527	465	0	0	0	980,457	3,387,499
OT PROPERTY TAX - GEN	22,632,829	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526	2,844,449	64,193
OT PROPERTY TAX - VEHICLE	2,891,298	2,140,751	1,315,449	158,692	3,613	361,228	182,077	3,849	414	58,872	56,339	217	318,991	431,556
OT ELECTRIC EXCISE TAX - SC	61,024	48,458	31,126	3,684	87	6,633	2,658	113	9	2,183	1,958	7	7,081	5,485
OT PUC LICENSE TAX - SC	2,222,093	0	0	0	0	0	0	0	0	0	0	0	2,222,093	0
OT PUC LICENSE TAX - NC	16,355,561	12,243,595	6,818,499	824,120	12,844	2,708,021	1,428,623	16,914	1,489	227,060	204,312	715	0	4,111,986
OT MISC TAXES: NC	(121,100)	0	0	0	0	0	0	0	0	0	0	0	(121,100)	0
OT MISC TAXES: SC	(6,034,064)	(4,517,029)	(2,515,549)	(304,042)	(4,738)	(999,070)	(527,431)	(6,240)	(549)	(83,769)	(75,377)	(264)	0	(1,517,035)
OT MISC TAXES: OTHER STATES	(1,580)	0	0	0	0	0	0	0	0	0	0	0	(1,538)	(42)
	1,415	949	529	64	1	210	111	1	0	18	16	0	143	323
BOOK OTHER TAXES	153,362,212	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531	16,643,312	34,521,855
OTHER TAX ADJUSTMENTS:														
TOTAL OTHER TAX ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ OTHER TAXES	153,362,212	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531	16,643,312	34,521,855
BOOK OPERATING EXPENSE SUMMARY:														
BOOK O&M EXPENSE	3,366,539,352	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317	360,530,508	914,784,732
BOOK DEPRECIATION EXPENSE	788,513,580	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333	72,826,332	178,881,074
BOOK OTHER AMORTIZATIONS	271,746,844	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520	23,017,391	115,748,144
BOOK OTHER TAXES	153,362,212	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531	16,643,312	34,521,855
TOT OP EXPENSE BEFORE INC TAX - BOOK	4,580,161,988	2,863,208,640	1,465,805,677	186,621,637	3,561,203	707,981,294	442,844,965	3,461,105	458,617	28,424,307	23,918,136	131,701	473,017,543	1,243,935,805
OP INCOME BEFORE INC. TAX	1,102,259,313	794,294,808	383,404,922	54,778,982	811,891	201,590,906	112,095,004	1,840,844	56,244	36,532,604	3,107,931	75,481	134,085,236	173,879,268

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
TEMPORARY DIFFERENCES:														
TXD INTEREST CHARGES	(315,465,770)	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	(31,847,238)	(71,957,163)
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TOTAL OPERATING INTEREST DEDUCTIONS	(315,465,770)	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	(31,847,238)	(71,957,163)
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BOOK OPERATING INTEREST DEDUCTIONS	(315,465,770)	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	(31,847,238)	(71,957,163)
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TAXABLE INCOME BEFORE SIT	786,793,543	582,633,440	265,530,000	40,532,001	589,858	154,775,939	87,380,380	1,548,448	30,498	32,607,308	(424,113)	63,121	102,237,998	101,922,105

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E 1 Item #45A "Per Books"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

NCUC Form E-1

Item No. 45A COS "Per Books"

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
CURRENT INCOME TAXES:														
TOTAL STATE INCOME TAX - PB BLENDED	(3,938,471)	(2,916,502)	(1,329,170)	(202,892)	(2,953)	(774,766)	(437,402)	(7,751)	(153)	(163,223)	2,123	(316)	(511,775)	(510,194)
FEDERAL INCOME TAX-PER BOOKS	(66,292,963)	(49,091,019)	(22,372,795)	(3,415,110)	(49,700)	(13,040,976)	(7,362,420)	(130,468)	(2,570)	(2,747,398)	35,735	(5,318)	(8,614,280)	(8,587,664)
INVESTMENT TAX CREDITS:														
ITC - PRODUCTION RELATED	(2,873,473)	(1,752,841)	(869,392)	(107,019)	(881)	(493,963)	(280,217)	(1,243)	(128)	(0)	(0)	(0)	(270,129)	(850,503)
ITC - TRANSMISSION RELATED	(275,392)	(164,777)	(81,076)	(9,980)	(82)	(46,065)	(27,447)	(116)	(12)	(0)	(0)	(0)	(25,249)	(85,366)
ITC - DISTRIBUTION RELATED	(413,806)	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)	(52,006)	(1,174)
ITC - GENERAL RELATED	(93,835)	(69,476)	(42,692)	(5,150)	(117)	(11,723)	(5,909)	(125)	(13)	(1,911)	(1,828)	(77)	(10,353)	(14,006)
ITC - HARRIS DISALLOW - NCR	213,806	213,806	106,046	13,054	107	60,252	34,180	152	16	0	0	0	0	0
ITC - HARRIS DISALLOW - SCR	27,137	0	0	0	0	0	0	0	0	0	0	0	27,137	0
ITC - HARRIS DISALLOW - WHSLE	47,773	0	0	0	0	0	0	0	0	0	0	0	0	47,773
ITC - HARRIS DISALLOW -NCEMPA	12,129	0	0	0	0	0	0	0	0	0	0	0	0	12,129
BOOK INVESTMENT TAX CREDITS	(3,355,660)	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)	(330,599)	(891,146)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
DEFERRED INCOME TAXES:														
BOOK DEFERRED INCOME TAXES	220,852,977	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875	24,456,467	31,402,787
BOOK DEFERRED INCOME TAXES	220,852,977	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875	24,456,467	31,402,787
NET CURR & DEF STATE & FED INC TAX ADJUSTMENTS:														
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ NET CURR & DEF STATE & FED INC TAXES	150,621,543	112,986,202	51,492,455	7,860,100	114,387	30,014,662	16,945,092	300,280	5,914	6,323,317	(82,245)	12,241	15,330,412	22,304,929
TOTAL OPER EXPENSE - PB	4,727,427,871	2,974,060,928	1,516,164,664	194,343,712	3,673,841	737,469,059	459,501,817	3,759,051	464,315	34,725,060	23,815,539	143,870	488,017,355	1,265,349,588
TOTAL OPER EXPENSE - ADJ	4,727,427,871	2,974,060,928	1,516,164,664	194,343,712	3,673,841	737,469,059	459,501,817	3,759,051	464,315	34,725,060	23,815,539	143,870	488,017,355	1,265,349,588

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>PRODUCTION PLANT IN SERVICE:</b>														
PRODUCTION PLANT	17,514,862,610	10,776,509,396	5,345,041,888	657,952,889	5,415,209	3,036,895,110	1,722,779,936	7,639,428	784,936	0	0	0	1,654,436,489	5,083,916,725
CONTRA AFUDC - WHS	(43,604,180)	0	0	0	0	0	0	0	0	0	0	0	0	(43,604,180)
CONTRA AFUDC - NC RETAIL	(321,021,266)	(321,021,266)	(159,223,367)	(19,599,748)	(161,314)	(90,466,020)	(51,319,864)	(227,571)	(23,382)	(0)	(0)	(0)	0	0
CONTRA AFUDC - SC RETAIL	(36,217,337)	0	0	0	0	0	0	0	0	0	0	0	(36,217,337)	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(387,936,216)	(192,412,520)	(23,685,198)	(194,938)	(109,323,117)	(62,017,181)	(275,007)	(28,256)	(0)	(0)	(0)	0	0
HARRIS DISALLOWANCE - SC	(52,556,762)	0	0	0	0	0	0	0	0	0	0	0	(52,556,762)	0
HARRIS DISALLOWANCE - WHS	(86,024,692)	0	0	0	0	0	0	0	0	0	0	0	0	(86,024,692)
HARRIS DISALLOWANCE - PA	(24,779,621)	0	0	0	0	0	0	0	(804)	0	0	0	0	(24,779,621)
PRODUCTION PLANT - OTHER NC	(11,032,277)	(11,032,277)	(5,471,900)	(673,569)	(5,544)	(3,108,972)	(1,763,668)	(7,821)	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC CWP IN RATE BASE - NC RETAIL	(102,930,000)	102,930,000	51,052,260	6,284,325	51,722	29,006,388	16,454,840	72,967	7,497	(0)	(0)	(0)	0	0
<b>TOTAL PRODUCTION PLANT</b>	<b>16,654,620,260</b>	<b>10,159,449,637</b>	<b>5,038,986,362</b>	<b>620,278,700</b>	<b>5,105,136</b>	<b>2,863,003,389</b>	<b>1,624,134,063</b>	<b>7,201,997</b>	<b>739,990</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,565,662,390</b>	<b>4,929,508,233</b>
<b>TRANSMISSION PLANT IN SERVICE:</b>														
TRANSMISSION PLANT - TRAN	2,533,703,339	1,513,105,622	750,485,397	92,381,696	760,337	426,403,661	241,891,684	1,072,635	110,211	0	0	0	232,295,733	788,301,984
TRANSMISSION PLANT - PROD	190,231,480	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0	17,969,076	55,217,162
TRANS PLANT - OATT CONTRA	(5,203,753)	0	0	0	0	0	0	0	0	0	0	0	0	(5,203,753)
TRANS PLANT - ADD FAC RETAIL	14,646,234	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0	1,534,203	0
TRANS PLANT - ADD FAC WHSLE/PA	476,813	0	0	0	0	0	0	0	0	0	0	0	0	476,813
TRANSMISSION PLANT - FERRE MIT REL	12,534,761	0	0	0	0	0	0	0	0	0	0	0	0	12,534,761
<b>TOTAL TRANSMISSION PLANT</b>	<b>2,746,388,875</b>	<b>1,643,262,895</b>	<b>808,538,677</b>	<b>99,527,818</b>	<b>819,153</b>	<b>459,387,823</b>	<b>273,715,080</b>	<b>1,155,608</b>	<b>118,736</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>251,799,013</b>	<b>851,326,967</b>
<b>DISTRIBUTION PLANT IN SERVICE</b>														
<b>SUBSTATIONS:</b>														
SUBSTATIONS - RETAIL	860,815,952	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894	105,507,735	0
SUBSTATIONS - ADD FAC RETAIL	12,926,704	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0	1,614,649	0
SUBSTATIONS - ADD FAC WHS	11,887,315	0	0	0	0	0	0	0	0	0	0	0	0	11,887,315
<b>TOTAL DIST SUBSTATIONS</b>	<b>885,629,971</b>	<b>766,620,272</b>	<b>490,669,122</b>	<b>45,887,825</b>	<b>180,868</b>	<b>147,152,526</b>	<b>73,301,129</b>	<b>4,715,814</b>	<b>26,631</b>	<b>3,210,223</b>	<b>1,020,239</b>	<b>455,894</b>	<b>107,122,384</b>	<b>11,887,315</b>
<b>OVERHEAD LINES:</b>														
PRIMARY POLES - CUSTOMER	436,382,960	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872	77,582,815	0
PRIMARY POLES - DEMAND	159,718,699	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682	26,492,525	0
SECONDARY POLES - CUSTOMER	153,504,275	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0	27,290,923	0
SECONDARY POLES - DEMAND	56,183,457	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0	9,319,144	0
PRIMARY CONDUCTOR - CUST	689,904,332	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417	122,655,385	0
PRIMARY CONDUCTOR - DEMAND	245,492,291	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950	17,909,527	0
PRIMARY COND - ADDL FAC RETAIL	7,047,265	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0	547,439	0
PRIMARY COND - ADDL FAC WHSL	1,622,420	0	0	0	0	0	0	0	0	0	0	0	0	1,622,420
SECONDARY COND - CUSTOMER	128,230,412	105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0	22,797,582	0
SECONDARY COND - DEMAND	47,240,311	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0	3,430,540	0
<b>TOTAL DIST OVERHEAD LINES</b>	<b>1,925,326,422</b>	<b>1,615,678,121</b>	<b>1,299,103,638</b>	<b>160,996,393</b>	<b>5,059,839</b>	<b>120,495,082</b>	<b>21,903,503</b>	<b>3,195,436</b>	<b>658,585</b>	<b>2,040,969</b>	<b>1,946,754</b>	<b>277,922</b>	<b>308,025,880</b>	<b>1,622,420</b>
<b>UNDERGROUND LINES:</b>														
U/G LINES - PRIMARY CUSTOMER	471,336,487	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305	32,507,467	0
U/G LINES - SECONDARY CUSTOMER	208,263,218	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0	14,637,046	0
U/G LINES - PRIMARY DEMAND	436,334,267	385,675,324	260,729,562	24,383,667	96,109	76,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251	50,658,944	0
U/G LINES - SECONDARY DEMAND	183,534,093	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0	21,288,935	0
<b>TOTAL DIST UNDERGROUND LINES</b>	<b>1,299,468,065</b>	<b>1,180,375,674</b>	<b>921,954,349</b>	<b>107,709,679</b>	<b>2,843,400</b>	<b>122,461,822</b>	<b>17,528,706</b>	<b>3,232,750</b>	<b>371,430</b>	<b>2,502,294</b>	<b>1,504,688</b>	<b>266,556</b>	<b>119,092,391</b>	<b>0</b>



DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

NCUC Form E-1

Item No. 45A COS "Per Books"

COS DETAIL - RATE BASE		TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
LINE TRANSFORMERS:															
LINE TRANS - DEMAND	750,589,263	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0	63,640,554	0	
LINE TRANS - CUSTOMER	375,556,203	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656	42,432,219	0	
LINE TRANS - ADDL FAC RET	4,500,004	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0	350,642	0	
LINE TRANS - ADDL FAC WHS	608,854	0	0	0	0	0	0	0	0	0	0	0	0	608,854	
TOTAL DIST LINE TRANSFRMS	1,131,254,324	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656	106,423,415	608,854	
SERVICES:															
SERVICES - ALLOCATED	681,775,180	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0	85,757,933	0	
TOTAL DIST SERVICES	681,775,180	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0	85,757,933	0	
METERS:															
METERS - RETAIL	258,538,865	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	0	30,046,968	0	
METERS - WHS	5,578,596	0	0	0	0	0	0	0	0	0	0	0	0	5,578,596	
TOTAL DIST METERS	264,117,460	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	0	30,046,968	5,578,596	
STREET LIGHTS	351,920,059	305,063,146	0	0	0	0	0	0	0	0	0	0	46,866,913	0	
AREA LIGHTS	405,272,662	335,794,236	0	0	0	0	0	0	0	0	335,794,236	0	69,478,425	0	
DISTR PLANT SUBTOTAL	6,944,764,143	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	872,804,310	19,697,185	
TOTAL DISTRIBUTION PLANT															
6,944,764,143	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	872,804,310	19,697,185		
GENERAL PLANT:															
GENERAL PLANT - PROD	28,134,739	17,310,685	8,585,928	1,056,893	8,699	4,878,271	2,767,362	12,271	1,261	0	0	0	2,657,579	8,166,474	
GENERAL PLANT - T/D	341,326,875	271,039,956	174,095,476	20,605,270	487,738	37,102,901	14,869,678	633,064	50,812	12,207,585	10,949,327	38,104	39,609,047	30,677,872	
GENERAL PLANT - CUST/SALES	23,793,666	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177	2,546,716	0	
GENERAL PLANT - LABOR	235,360,942	155,837,215	85,215,676	10,425,403	198,321	35,971,498	21,945,268	178,745	26,154	592,220	1,275,986	7,944	24,540,587	54,983,141	
TOTAL GENERAL PLANT	628,616,243	465,434,827	286,000,548	34,502,320	785,442	78,536,936	39,586,517	836,919	89,994	12,799,805	12,249,120	47,225	69,353,929	93,827,487	
TOTAL TANGIBLE PLANT	26,974,389,521	18,320,410,007	10,268,007,878	1,239,817,929	19,738,722	3,994,987,677	2,085,909,215	26,013,247	2,272,661	359,404,723	323,128,847	1,129,107	2,759,619,642	5,894,359,872	
INTANGIBLE PLANT:															
INTANGIBLE PLT	527,370,390	358,178,329	200,747,576	24,239,409	385,907	78,105,130	40,781,155	508,579	44,432	7,026,643	6,317,421	22,075	53,952,720	115,239,341	
BOOK PLANT IN SERVICE	27,501,759,911	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182	2,813,572,362	6,009,599,213	
PLANT IN SERVICE ADJUSTMENTS:															
EPIS ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ADI PLANT IN SERVICE	27,501,759,911	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182	2,813,572,362	6,009,599,213	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>RESERVE FOR DEPRECIATION</b>														
<b>PRODUCTION FUNCTION:</b>														
DPR PRODUCTION RELATED	(7,383,992,147)	(4,543,207,819)	(2,253,386,065)	(277,382,648)	(2,282,988)	(1,280,307,482)	(726,297,077)	(3,220,663)	(330,917)	(0)	(0)	(0)	(697,484,549)	(2,143,299,780)
DPR RATE DIFF SC RETAIL-PROD	24,176,185	0	0	0	0	0	0	0	0	0	0	0	24,176,185	0
DPR RATE DIFF WHOLESALE-PROD	7,915,814	0	0	0	0	0	0	0	0	0	0	0	0	7,915,814
DPR RATE DIFF: NCEMPA - PROD	2,917,967	0	0	0	0	0	0	0	0	0	0	0	0	2,917,967
DPR CONTRA AFUDC NC RET-PROD	238,121,493	238,121,493	118,105,901	14,538,355	119,656	67,104,289	38,067,144	168,803	17,344	0	0	0	0	0
DPR CONTRA AFUDC SC RET-PROD	23,950,657	0	0	0	0	0	0	0	0	0	0	0	23,950,657	0
DPR CONTRA AFUDC WHS - PROD	30,311,932	0	0	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW - NC	254,433,596	254,433,596	126,196,543	15,534,280	127,853	71,701,153	40,674,868	180,367	18,532	0	0	0	0	0
DPR HARRIS DISALLOW - SC	32,461,604	0	0	0	0	0	0	0	0	0	0	0	32,461,604	0
DPR HARRIS DISALLOW - WHS	50,126,821	0	0	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW - NCEMPA	15,760,830	0	0	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(340,104,938)	(168,688,680)	(20,764,889)	(170,903)	(95,843,931)	(54,370,663)	(241,099)	(24,772)	(0)	(0)	(0)	0	0
DPR OTHER SC RETAIL SPECIFIC - PROD	(63,159,465)	0	0	0	0	0	0	0	0	0	0	0	(63,159,465)	0
TOTAL PRODUCTION RESERVE	(7,107,079,651)	(4,390,757,687)	(2,177,772,300)	(268,074,901)	(2,206,361)	(1,237,345,972)	(701,925,729)	(3,112,592)	(319,812)	(0)	(0)	(0)	(680,055,568)	(2,036,286,416)
<b>TRANSMISSION FUNCTION:</b>														
DPR TRANS RELATED - PROD	(59,693,497)	(36,728,095)	(18,216,771)	(2,242,410)	(18,456)	(10,350,232)	(5,871,514)	(26,036)	(2,675)	(0)	(0)	(0)	(5,636,588)	(17,326,814)
DPR TRANS RELATED - TRANS	(756,648,821)	(451,883,014)	(224,129,498)	(27,589,428)	(227,072)	(127,343,768)	(72,239,995)	(320,338)	(32,914)	0	0	0	(69,374,203)	(235,391,605)
DPR CONTRA AFUDC - OATT	1,422,727	0	0	0	0	0	0	0	0	0	0	0	0	1,422,727
DPR TRANS RELATED - FERRO MIT REL	(1,278,080)	0	0	0	0	0	0	0	0	0	0	0	0	(1,278,080)
TOTAL TRANSMISSION RESERVE	(816,197,672)	(488,611,108)	(242,346,269)	(29,831,839)	(245,528)	(137,694,000)	(78,111,509)	(346,375)	(35,589)	(0)	(0)	(0)	(75,012,791)	(252,573,773)
<b>DISTRIBUTION FUNCTION:</b>														
DPR DISTRIBUTION RELATED	(3,235,148,353)	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(406,587,087)	(9,175,735)
TOTAL DISTRIBUTION RESERVE	(3,235,148,353)	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(406,587,087)	(9,175,735)
<b>GENERAL FUNCTION:</b>														
DPR GENERAL RELATED	(167,535,557)	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)	(18,483,851)	(25,006,418)
TOTAL GENERAL RESERVE	(167,535,557)	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)	(18,483,851)	(25,006,418)
<b>INTANGIBLE:</b>														
TOTAL LIMITED TERM PLT RESERVE	(322,631,324)	(219,259,910)	(122,888,215)	(14,838,225)	(236,234)	(47,812,284)	(24,964,303)	(311,328)	(27,199)	(4,301,380)	(3,867,228)	(13,513)	(33,027,315)	(70,544,099)
BOOK DEPRECIATION RESERVE	(11,648,792,558)	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)	(1,213,166,612)	(2,393,566,441)
DEPRECIATION RESERVE ADJUSTMENTS:														
TOTAL DEPR RESERVE ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADU DEPRECIATION RESERVE	(11,648,792,558)	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)	(1,213,166,612)	(2,393,566,441)
BOOK NET PLANT IN SERVICE	15,852,967,353	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099	1,600,405,750	3,616,032,772

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	376,787,567	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	38,628,332	107,906,913
ADJNUC NUC FUEL - JAAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ NUCLEAR FUEL INVENTORY	376,787,567	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	38,628,332	107,906,913
ACCUM DEFERRED INCOME TAXES:														
DFTR NC CLEAN AIR	17,880,376	17,880,376	8,868,489	1,091,675	8,985	5,038,814	2,858,435	12,675	1,302	0	0	0	0	0
DFTR ALL PLANT RELATED	(2,537,087,878)	(1,702,255,973)	(947,992,030)	(114,579,285)	(1,785,672)	(376,502,608)	(198,763,797)	(2,351,552)	(207,052)	(31,568,627)	(28,405,950)	(99,400)	(256,126,814)	(578,705,091)
DFTR TRANSMISSION RELATED	(488,187)	0	0	0	0	0	0	0	0	0	0	0	0	(488,187)
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND	79,100,913	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0	14,633,606	0
SC RETAIL - HARRIS ACCELERATED DEPR UNWIND	14,633,606	0	0	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT NC RETAIL - FED TAX CHANGE	272,646,772	272,646,772	151,837,897	18,351,924	286,007	60,303,634	31,835,581	376,643	33,163	5,056,281	4,549,721	15,921	48,614,904	0
DFTR EDIT SC RETAIL - FED TAX CHANGE	48,614,904	0	0	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE	104,635,834	0	0	0	0	0	0	0	0	0	0	0	0	104,635,834
BOOK ACCUM DEFERRED INC TAX	(2,000,063,659)	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)	(192,878,305)	(474,557,444)
TOTAL ACCUM DEF TAX ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ ACCUM DEFERRED INC TAX	(2,000,063,659)	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)	(192,878,305)	(474,557,444)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGC/LR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
REGULATORY ASSETS:														
RA SFAS 109	148,257,786	99,473,378	55,397,056	6,895,579	104,348	22,001,383	11,615,002	137,416	12,099	1,844,751	1,559,936	5,809	14,967,079	33,817,329
RA SFAS 158	448,406,124	296,898,715	162,351,622	19,862,320	377,839	68,532,357	41,809,793	340,543	49,828	1,128,289	2,430,990	15,134	46,754,356	104,753,053
RA MAYO 2 ABANDONMENT - WHS	299,085	0	0	0	0	0	0	0	0	0	0	0	0	299,085
RA PRODUCTION REL	47,434,211	22,980,264	11,397,983	1,403,045	11,548	6,475,998	3,673,726	16,291	1,674	0	0	0	21,552,290	2,901,657
RA GRID SOUTH	3,676,168	0	0	0	0	0	0	0	0	0	0	0	3,676,168	0
RA SC DERP	12,824,788	0	0	0	0	0	0	0	0	0	0	0	12,824,788	0
RA REPS DEFERRAL	(113,180,076)	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)	0	0
RA DSM/EE DEFERRAL	235,103,692	219,773,951	137,231,435	15,985,054	281,714	62,098,689	3,346,866	335,180	39,402	354,688	119,480	1,464	15,329,741	0
RA PSNC PIPELINE	395,637	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7	40,561	113,305
RA POLLUTION CNTL DEFERRAL - SC	30,164,101	0	0	0	0	0	0	0	0	0	0	0	30,164,101	0
RA EMISSION ALLOWANCE PROCEEDS - NCR	1,457,218	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	0	0
RA DISTRIBUTION REL	37,391,666	19,424,242	13,269,283	1,558,202	41,815	1,906,585	476,514	53,978	4,249	1,112,400	997,743	3,472	17,967,424	0
RA STORM REL REG ASSETS (LIABILITIES)- NCR	28,067,622	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828	0	0
RA STORM REL REG ASSETS (LIABILITIES)- SCR	14,713,413	0	0	0	0	0	0	0	0	0	0	0	14,713,413	0
RA METER PLANT RETIREMENTS	12,421,400	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020	917,525	0
RL EDIT NC RETAIL - FED TAX CHANGE	(1,176,758,753)	(1,176,758,753)	(655,340,876)	(79,207,933)	(1,234,423)	(260,273,864)	(137,404,151)	(1,625,613)	(143,134)	(21,823,192)	(19,636,853)	(68,714)	0	0
RL EDIT WHL - FED TAX CHANGE	(209,824,650)	0	0	0	0	0	0	0	0	0	0	0	(209,824,650)	0
RL EDIT SC RETAIL - FED TAX CHANGE	(451,614,122)	0	0	0	0	0	0	0	0	0	0	0	0	(451,614,122)
RA OVER AMORTIZATIONS - NC RETAIL	(3,452,689)	(3,452,689)	(1,922,814)	(232,401)	(3,622)	(763,661)	(403,153)	(4,770)	(420)	(64,031)	(57,616)	(202)	0	0
RA PLANT REL	(18,159,563)	(18,159,563)	(10,113,121)	(1,222,325)	(19,049)	(4,016,507)	(2,120,400)	(25,086)	(2,209)	(336,772)	(303,033)	(1,060)	0	0
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)	(3,558,411)	0	0	0	0	0	0	0	0	0	0	0	(3,558,411)	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)	174,439,231	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088	0	0
BOOK REGULATORY ASSETS														
REGULATORY ASSET ADJUSTMENTS:	(781,496,124)	(437,290,815)	(218,834,059)	(74,093,952)	(2,290,199)	(64,426,908)	(40,742,944)	(641,150)	(206,944)	(21,202,661)	(14,803,158)	(48,839)	(34,475,615)	(309,729,694)
TOTAL REG ASSETS ADJUSTMENTS:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ REGULATORY ASSETS	(781,496,124)	(437,290,815)	(218,834,059)	(74,093,952)	(2,290,199)	(64,426,908)	(40,742,944)	(641,150)	(206,944)	(21,202,661)	(14,803,158)	(48,839)	(34,475,615)	(309,729,694)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
OPERATING RESERVES:														
OR LABOR RELATED OR COAL MINES & ENERGY RELATED	(80,966,293) (1,792,274)	(53,609,411) (1,095,246)	(29,314,963) (473,335)	(3,586,433) (55,410)	(66,224) (898)	(12,374,521) (3,619,972)	(7,549,371) (237,224)	(61,490) (1,218)	(8,997) (135)	(203,729) (7,606)	(438,951) (2,417)	(2,733) (32)	(8,442,184) (183,744)	(18,914,698) (513,283)
BOOK OPERATING RESERVES	(82,758,567)	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)	(8,625,928)	(19,427,981)
TOTAL OPERATING RESERVES	(82,758,567)	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)	(8,625,928)	(19,427,981)
WORKING CAPITAL:														
MATERIALS AND SUPPLIES:														
WC MAT & SUP PLUS STORES EXP	733,993,844	498,512,419	279,400,376	33,736,398	537,106	108,706,681	56,759,191	707,840	61,841	9,779,678	8,792,564	30,724	75,091,369	160,390,057
WC EMISSION ALLOWANCES	2,294,148	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40	231,096	645,558
WC EMISSION ALLOWANCE PROCEEDS - REPS	120,428,610	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927	0	0
WC FUEL INVENTORY	220,024,307	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922	22,556,933	63,012,015
BOOK MATERIALS & SUPPLIES	1,076,700,909	754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	54,613	97,879,398	224,047,629
MATERIAL & SUPPLIES ADJUSTMENTS:														
TOT MATERIALS & SUPP ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ MATERIALS & SUPPLIES	1,076,700,909	754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	54,613	97,879,398	224,047,629
CASH WORKING CAPITAL:														
WC DEFERRED DEBITS	7,879,996	4,690,569	2,612,193	315,723	4,920	1,037,454	547,694	6,480	571	86,987	78,273	274	1,849,280	1,340,146
WC PRELIMINARY SURVEY CHARGES	8,201,316	5,046,089	2,502,810	308,086	2,536	1,422,023	806,690	3,577	368	0	0	0	774,688	2,380,539
WC UNAMORTIZED DEBT EXPENSE	43,142,470	28,946,387	16,120,338	1,948,389	30,365	6,402,322	3,379,923	39,987	3,521	536,816	483,035	1,690	4,355,365	9,840,718
WC UNAMORTIZED LOSS ON REACQ DEBT	4,579,195	3,072,405	1,711,033	206,804	3,223	679,550	358,749	4,244	374	56,978	51,270	179	462,284	1,044,506
WC CUSTOMER DEPOSITS - INPUT	(137,270,708)	(116,588,158)	(99,338,867)	(13,250,447)	(497,610)	(3,206,028)	(23,097)	(70,449)	(64,571)	(0)	(130,632)	(6,457)	(20,682,550)	0
WC CUST ADV FOR CONSTRUCTION	(26,609,819)	(23,190,077)	(15,841,838)	(1,860,295)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)	(3,344,270)	(75,472)
WC CASH ALLOW LEADLAG	238,679,065	160,141,423	89,183,293	10,779,160	167,989	35,419,857	18,698,902	221,225	19,479	2,969,850	2,672,318	9,351	24,095,385	54,442,257
BOOK CASH WORKING CAPITAL	138,601,514	62,118,639	(3,051,036)	(1,552,580)	(338,500)	39,478,956	23,199,964	140,621	(45,332)	2,322,567	1,963,085	892	7,510,182	68,972,693
TOT CASH WORK CAPITAL ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ CASH WORK CAPITAL	138,601,514	62,118,639	(3,051,036)	(1,552,580)	(338,500)	39,478,956	23,199,964	140,621	(45,332)	2,322,567	1,963,085	892	7,510,182	68,972,693
BOOK WORKING CAPITAL	1,215,302,423	816,892,521	375,386,917	94,075,141	2,547,242	203,950,691	109,912,035	1,174,303	248,488	18,022,452	11,519,747	55,505	105,389,580	293,020,323
TOT ADJUSTED WORKING CAPITAL	1,215,302,423	816,892,521	375,386,917	94,075,141	2,547,242	203,950,691	109,912,035	1,174,303	248,488	18,022,452	11,519,747	55,505	105,389,580	293,020,323
BOOK RATE BASE	14,580,738,993	9,859,050,290	5,401,739,228	653,629,289	10,083,501	2,257,172,631	1,201,803,010	13,513,933	1,187,739	168,951,290	150,421,433	548,237	1,508,443,814	3,213,244,889
ADJUSTED RATE BASE	14,580,738,993	9,859,050,290	5,401,739,228	653,629,289	10,083,501	2,257,172,631	1,201,803,010	13,513,933	1,187,739	168,951,290	150,421,433	548,237	1,508,443,814	3,213,244,889



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
DEVELOP LABOR FACTOR														
PRODUCTION LABOR:														
LAB01 LABOR-PROD DEMAND REL	215,954,701	132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0	0	20,398,866	62,683,661
LAB02 LABOR-PROD ENERGY REL	171,372,617	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055	17,569,153	49,078,823
TOTAL PRODUCTION LABOR	387,327,318	237,596,815	111,162,360	13,410,550	152,622	67,752,358	43,924,292	210,627	22,590	727,238	231,123	3,055	37,968,019	111,762,484
TRANSMISSION LABOR:														
LAB04 LABOR-TRANS PROD REL	1,411,371	868,386	430,711	53,019	436	244,717	138,824	616	63	0	0	0	133,317	409,669
LAB05 LABOR-TRANS PST REL	17,886,508	10,682,116	5,298,224	652,190	5,368	3,010,294	1,707,690	7,573	778	0	0	0	1,639,945	5,564,447
TOTAL TRANSMISSION LABOR	19,297,879	11,550,502	5,728,934	705,208	5,804	3,255,012	1,846,514	8,188	841	0	0	0	1,773,262	5,974,116
DISTRIBUTION LABOR:														
LAB442 LABOR-SUPERVISION&ENGINEERING	448,878	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70	56,414	1,273
LAB12 LOAD DISPATCH	4,426,216	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278	535,378	59,411
LAB13 LABOR-SUBSTATION	1,738,840	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	210,323	23,339
LAB20 LABOR-OVERHEAD LINE	39,815,842	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	13,620	42,207	40,259	5,747	6,369,990	33,552
LAB25 LABOR-UNDERGROUND LINE	4,081,902	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	1,167	7,860	4,727	837	374,094	0
LAB26 LABOR-LINE TRANSFORMR	653,618	591,777	434,001	47,206	921	86,314	17,987	2,682	121	1,766	777	1	61,490	352
LAB34 LABOR-METER	3,909,852	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	444,799	82,583
LAB35 LABOR-STREET LIGHT	2,308,675	2,001,283	0	0	0	0	0	0	0	0	2,001,283	0	307,392	0
LAB36LABOR-CUST INSTALLATNS	3,744,977	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185	400,837	0
LAB39 LABOR-RENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAB38 LABOR-MISCELLANEOUS	8,951,220	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394	1,124,972	25,388
TOTAL DISTRIBUTION LABOR	70,080,019	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591	9,885,689	225,897
CUSTOMER ACCOUNTING LABOR														
	21,023,608	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040	2,250,189	3
SALES LABOR														
	4,977,267	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	532,733	0
CUST SERV & INFO LABOR														
	2,244,420	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	240,228	0
ADMIN & GENERAL LABOR:														
LAB61 LABOR-A&G LABOR REL	144,923,601	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891	15,110,877	33,855,893
TOTAL ADMIN & GEN LABOR	144,923,601	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891	15,110,877	33,855,893
TOTAL LABOR EXPENSE														
	649,874,113	430,294,724	235,295,886	28,786,422	547,601	99,323,811	60,594,851	493,548	72,216	1,635,227	3,523,229	21,934	67,760,996	151,818,393

Labor NC

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
ALLOCATION Factors used in Item No. 45A COS "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

Allocation Factors Input to TACOS Cost of Service Software			Allocation Factors Dynamically Calculated Within TACOS	
Allocator	Functionalized As	Derived Using	Total Code	Calculated As
C1	100% Customer	Number of Customers	LAB	Test Year Company Labor Expense
C2	100% Customer	No. of Customers @ Primary and Below	NB_PLT	Total Net Plant in Service
C5	100% Customer	No. of Customers @ Secondary w/ Meters	PTDG	Gross Tangible Plant in Service
C8	100% Customer	No. of Customers @ Dist. Line Xfmr and Below	RB_PLT_O_DI_	Gross Total Distribution Plant
C9	100% Customer	No. of Customers @ Secondary and Below	RB_PLT_O_DI_CPREM	Gross Installation on Cust. Premises EPIS
CK	100% Customer	Number of Meters	RB_PLT_O_DI_LNTRFMS	Gross Dist. Line Transformer EPIS
D3	100% Dist. Substation	Class Non - Coincident Peaks @ T/D Substation	RB_PLT_O_DI_METR	Gross Meter Investment
D4	100% Dist. Primary	Class Non - Coincident Peaks @ Dist Primary	RB_PLT_O_DI_OH_LN	Gross Dist. Overhead Line Investment
D8	100% Dist. Line XFmr.	Class Non - Coincident Peaks @ Line Xfmr	RB_PLT_O_DI_STLT	Gross Street Lighting Investment
D7	100% Dist. Secondary	Class Non-Coincident Peaks @ Secondary	RB_PLT_O_DI_SUB	Gross Dist. Substation Investment
E1	100% Energy	Energy @ Prod. Output (Trans. Input)	RB_PLT_O_DI_UGL	Gross Dist. Underground Line Investment
E2	100% Energy	Energy @ Customer Meter	RB_PLT_O_GN	Gross General Plant Investment
DP	100% Prod. Demand	Summer CP Demand @ Prod. Ouput	RB_PLT_O_PR	Gross Production Plant Investment
DT	100% Transmission	Summer CP Demand @ Prod. Ouput	RB_PLT_O_TR	Gross Transmission Plant Investment
DSM	50% Prod Demand/50% Energy	DSM Test Year Revenue	TDPLT	Gross Trans. and Dist. Plant Investment
DERP	100% Prod. Demand	DERP Test Year Revenue	WKT65	Pretax Operating Income Net of Interest Before Add'l Tax Deductions

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
ALLOCATION Factors used in Item No. 45A COS "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>System Factors - TACOS Inputs:</b>														
C1	1.00000	0.89297	0.76085	0.10149	0.00381	0.02456	0.00018	0.00054	0.00049	0.00000	0.00100	0.00005	0.10703	0.00000
CK	1.00000	0.89303	0.76187	0.10162	0.00382	0.02468	0.00039	0.00054	0.00007	0.00000	0.00000	0.00005	0.10697	0.00001
E1	1.00000	0.61109	0.26410	0.03092	0.00050	0.17685	0.13236	0.00068	0.00008	0.00424	0.00135	0.00002	0.10252	0.28639
E2	1.00000	0.60696	0.26147	0.03061	0.00050	0.17538	0.13269	0.00068	0.00007	0.00420	0.00134	0.00002	0.10208	0.29096
DP	1.00000	0.61528	0.30517	0.03757	0.00031	0.17339	0.09836	0.00044	0.00004	0.00000	0.00000	0.00000	0.09446	0.29026
DT	1.00000	0.59670	0.29596	0.03643	0.00030	0.16815	0.09539	0.00042	0.00004	0.00000	0.00000	0.00000	0.09161	0.31169
DSM	1.00000	0.81083	0.50630	0.05898	0.00097	0.22911	0.01235	0.00124	0.00015	0.00131	0.00044	0.00001	0.18917	0.00000
DERP	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000

System Factors - TACOS Calculated:

LAB	1.00000	0.66212	0.36206	0.04430	0.00084	0.15284	0.09324	0.00076	0.00011	0.00252	0.00542	0.00003	0.10427	0.23361
NB_PLT	1.00000	0.67095	0.37365	0.04516	0.00070	0.14840	0.07834	0.00093	0.00008	0.01244	0.01120	0.00004	0.10095	0.22810
PTDG	1.00000	0.67918	0.38066	0.04596	0.00073	0.14810	0.07733	0.00096	0.00008	0.01332	0.01198	0.00004	0.10231	0.21852
RB_PLT_O_DL	1.00000	0.87149	0.59534	0.06991	0.00188	0.08554	0.02138	0.00242	0.00019	0.04991	0.04476	0.00016	0.12568	0.00284
RB_PLT_O_DL_CPREM	1.00000	0.82856	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.82856	0.00000	0.00000	0.17144	0.00000
RB_PLT_O_DL_INTRMS	1.00000	0.90539	0.66400	0.07222	0.00141	0.13206	0.02752	0.00410	0.00019	0.00270	0.00119	0.00000	0.09408	0.00054
RB_PLT_O_DL_METR	1.00000	0.86511	0.61003	0.08005	0.00300	0.15092	0.01745	0.00330	0.00005	0.00000	0.00000	0.00030	0.11376	0.02112
RB_PLT_O_DL_OH_LN	1.00000	0.83917	0.67474	0.08362	0.00263	0.06258	0.01138	0.00166	0.00034	0.00106	0.00101	0.00014	0.15999	0.00084
RB_PLT_O_DL_STLT	1.00000	0.86685	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.86685	0.00000	0.13315	0.00000
RB_PLT_O_DL_SUB	1.00000	0.86562	0.55403	0.05181	0.00020	0.16616	0.08277	0.00532	0.00003	0.00362	0.00115	0.00051	0.12096	0.01342
RB_PLT_O_DL_UGL	1.00000	0.90835	0.70949	0.08289	0.00219	0.09424	0.01349	0.00249	0.00029	0.00193	0.00116	0.00021	0.09165	0.00000
RB_PLT_O_GN	1.00000	0.74041	0.45497	0.05489	0.00125	0.12494	0.06297	0.00133	0.00014	0.02036	0.01949	0.00008	0.11033	0.14926
RB_PLT_O_PR	1.00000	0.61001	0.30256	0.03724	0.00031	0.17190	0.09752	0.00043	0.00004	0.00000	0.00000	0.00000	0.09401	0.29598
RB_PLT_O_TR	1.00000	0.59834	0.29440	0.03624	0.00030	0.16727	0.09966	0.00042	0.00004	0.00000	0.00000	0.00000	0.09168	0.30998
TDPLT	1.00000	0.79408	0.51005	0.06037	0.00143	0.10870	0.04356	0.00185	0.00015	0.03577	0.03208	0.00011	0.11604	0.08988
WKT65	1.00000	0.74052	0.33748	0.05152	0.00075	0.19672	0.11106	0.00197	0.00004	0.04144	-0.00054	0.00008	0.12994	0.12954

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
ALLOCATION Factors used in Item No. 45A COS "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

NC Retail Factors - TACOS Inputs:													TOTAL SYSTEM		OTHER RETAIL		TOTAL WHOLESALE	
	NC RETAIL	NC RES	NC SGS	NC SGC CLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL							
C1	1.00000	0.85205	0.11365	0.00427	0.02750	0.00020	0.00060	0.00055	0.00000	0.00112	0.00006							
C5	1.00000	0.85649	0.11421	0.00429	0.02466	0.00000	0.00027	0.00007	0.00000	0.00000	0.00000							
C8	1.00000	0.85215	0.11366	0.00427	0.02749	0.00015	0.00060	0.00055	0.00000	0.00112	0.00000							
CK	1.00000	0.85313	0.11380	0.00427	0.02763	0.00043	0.00061	0.00007	0.00000	0.00000	0.00006							
D3	1.00000	0.64963	0.06075	0.00024	0.19482	0.08207	0.00624	0.00004	0.00425	0.00135	0.00060							
D4	1.00000	0.67603	0.06322	0.00025	0.20224	0.04526	0.00650	0.00004	0.00442	0.00141	0.00063							
D7	1.00000	0.75032	0.07009	0.00028	0.17028	0.00000	0.00252	0.00004	0.00491	0.00156	0.00000							
D8	1.00000	0.68022	0.06361	0.00025	0.20301	0.04054	0.00647	0.00004	0.00445	0.00141	0.00000							
E1	1.00000	0.43217	0.05059	0.00082	0.28941	0.21659	0.00111	0.00012	0.00694	0.00221	0.00003							
E2	1.00000	0.43079	0.05043	0.00082	0.28896	0.21862	0.00111	0.00012	0.00692	0.00220	0.00003							
DP	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000							
DT	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000							
DSM	1.00000	0.62442	0.07273	0.00119	0.28256	0.01523	0.00153	0.00018	0.00161	0.00054	0.00001							
REPS	1.00000	0.33492	0.45686	0.01858	0.13663	0.00442	0.00145	0.00179	0.04133	0.00386	0.00017							
NC Retail Factors - TACOS Calculated:																		
LAB	1.00000	0.54682	0.06690	0.00127	0.23083	0.14082	0.00115	0.00017	0.00380	0.00819	0.00005							
NB_PLT	1.00000	0.55690	0.06731	0.00105	0.22118	0.11676	0.00138	0.00012	0.01855	0.01669	0.00006							
PTDG	1.00000	0.56047	0.06767	0.00108	0.21806	0.11386	0.00142	0.00012	0.01962	0.01764	0.00006							
RB_PLT_O_DL	1.00000	0.68313	0.08022	0.00215	0.09815	0.02453	0.00278	0.00022	0.05727	0.05137	0.00018							
RB_PLT_O_DL_CPREM	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000							
RB_PLT_O_DL_INTRMS	1.00000	0.73339	0.07977	0.00156	0.14586	0.03040	0.00453	0.00020	0.00298	0.00131	0.00000							
RB_PLT_O_DL_METR	1.00000	0.70515	0.09253	0.00347	0.17445	0.02017	0.00381	0.00006	0.00000	0.00000	0.00035							
RB_PLT_O_DL_OH_LN	1.00000	0.80406	0.09965	0.00313	0.07458	0.01356	0.00198	0.00041	0.00126	0.00120	0.00017							
RB_PLT_O_DL_STLT	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000							
RB_PLT_O_DL_SUB	1.00000	0.64004	0.05986	0.00024	0.19195	0.09562	0.00615	0.00003	0.00419	0.00133	0.00059							
RB_PLT_O_DL_UGL	1.00000	0.78107	0.09125	0.00241	0.10375	0.01485	0.00274	0.00031	0.00212	0.00127	0.00023							
RB_PLT_O_GN	1.00000	0.61448	0.07413	0.00169	0.16874	0.08505	0.00180	0.00019	0.02750	0.02632	0.00010							
RB_PLT_O_PR	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000							
RB_PLT_O_TR	1.00000	0.49203	0.06057	0.00050	0.27956	0.16657	0.00070	0.00007	0.00000	0.00000	0.00000							
TDPLT	1.00000	0.64232	0.07602	0.00180	0.13689	0.05486	0.00234	0.00019	0.04504	0.04040	0.00014							
WKTX65	1.00000	0.45574	0.06957	0.00101	0.26565	0.14997	0.00266	0.00005	0.05597	-0.00073	0.00011							



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - PER BOOKS	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
BOOK REVENUES	5,682,421,300	3,657,316,072	1,848,941,204	241,711,782	4,363,155	910,424,240	554,174,209	5,293,666	513,298	64,739,790	26,948,443	206,286	607,080,918	1,418,024,310
OPERATING EXPENSES:														
BOOK O&M EXPENSE	3,366,539,352	2,086,831,807	1,037,542,516	129,746,678	2,673,041	526,544,051	355,621,607	2,472,964	356,518	17,871,168	13,909,219	94,045	361,636,031	918,071,515
BOOK DEPRECIATION EXPENSE	788,513,580	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486	73,806,707	181,970,534
BOOK OTHER AMORTIZATIONS	271,746,844	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153	23,129,239	115,808,082
BOOK OTHER TAXES	153,362,212	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400	16,772,265	35,103,333
BOOK STATE INCOME TAX	(3,938,471)	(2,970,862)	(1,331,727)	(235,491)	(2,139)	(873,494)	(383,385)	(7,136)	(22)	(145,142)	7,913	(240)	(488,499)	(469,110)
BOOK FEDERAL INCOME TAX	(66,292,963)	(50,006,022)	(22,415,844)	(3,963,824)	(36,008)	(14,702,792)	(6,453,189)	(120,111)	(367)	(2,443,046)	133,200	(4,041)	(8,390,814)	(7,896,126)
BOOK INVESTMENT TAX CREDITS	(3,355,660)	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)	(336,270)	(908,156)
BOOK DEFERRED INCOME TAXES	220,852,977	168,418,381	75,485,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611	23,620,084	28,814,512
TOTAL OPER EXPENSE - PB	4,727,427,871	2,967,194,543	1,515,153,283	190,284,455	3,774,847	725,503,190	466,498,993	3,837,046	480,555	36,983,473	24,525,384	153,317	489,738,743	1,270,494,585
RETURN BEFORE ADJUSTMENTS	954,993,430	690,121,529	333,787,920	51,427,328	588,308	184,921,049	87,675,216	1,456,619	32,743	27,756,316	2,423,059	52,969	117,342,175	147,529,726
INTEREST ON CUST DEPOSITS - INPUT	(8,642,928)	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)	(671,939)	0
INCOME FOR RETURN	946,350,502	682,150,539	326,996,244	50,521,411	554,287	184,701,857	87,673,637	1,451,803	28,329	27,756,316	2,414,128	52,527	116,670,237	147,529,726
YEAR END RATE BASE:														
BOOK PLANT IN SERVICE	27,501,759,911	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762	2,842,468,019	6,124,409,230
BOOK DEPRECIATION RESERVE	(11,648,792,558)	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)	(1,226,804,371)	(2,438,070,959)
BOOK NET PLANT IN SERVICE	15,852,967,353	10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528	1,615,663,648	3,686,338,271
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	376,787,567	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	38,628,332	107,906,913
BOOK ACCUM DEFERRED INC TAX	(2,000,063,659)	(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)	(195,320,158)	(485,809,043)
BOOK OPERATING RESERVES	(82,758,567)	(54,448,007)	(29,737,928)	(3,495,410)	(772,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	(8,691,335)	(19,619,225)
BOOK MATERIALS & SUPPLIES	1,076,700,909	750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059	98,650,593	227,111,791
BOOK WORKING CAPITAL, REG ASSETS	(639,203,529)	(376,636,334)	(228,418,070)	(73,511,673)	(2,697,457)	(16,682,345)	(20,680,928)	(548,628)	(263,048)	(20,383,952)	(13,396,110)	(54,122)	(25,762,251)	(236,804,943)
BOOK RATE BASE	14,584,430,073	9,782,137,480	5,418,147,922	616,932,820	10,949,725	2,130,406,645	1,244,828,551	14,099,172	1,327,831	188,289,097	156,516,115	629,602	1,523,168,828	3,279,123,766
RATE OF RETURN	6.49%	6.97%	6.04%	8.19%	5.06%	8.67%	7.04%	10.30%	2.13%	14.74%	1.54%	8.34%	7.66%	4.50%



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - REVENUES		TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
SALES OF ELECTRICITY:															
RETAIL SALES OF ELECTRICITY		4,156,399,663	3,563,165,280	1,820,227,876	226,009,560	3,781,169	886,079,172	532,588,876	5,200,515	454,335	62,444,191	26,178,894	200,691	593,234,384	0
REV - REPS		24,719,022	24,719,022	8,278,986	11,293,212	459,221	3,377,339	109,249	35,883	44,178	1,021,561	95,302	4,090	0	0
REV UNBILLED REVENUES		(13,507,473)	(12,096,317)	(10,422,074)	(118,784)	(1,947)	(632,887)	(613,073)	(2,798)	(3,715)	(116,405)	(184,529)	(103)	(1,411,156)	0
REV - SALES FOR RESALE D/A		1,290,633,209	0	0	0	0	0	0	0	0	0	0	0	0	1,290,633,209
REV - SALES FOR RESALE CREDIT - TRANSMISSION		75,611	44,493	25,292	2,680	23	10,790	5,681	25	3	0	0	0	6,592	24,525
REV - SALES FOR RESALE CREDIT - ENERGY		212,819,562	130,052,588	56,205,112	6,579,480	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793	21,818,301	60,948,672
REV - SALES FOR RESALE CREDIT - DEMAND		7,830,000	4,765,270	2,353,310	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	76	757,155	2,307,575
REV - PROV FOR RATE REFUND		(112,908,671)	(98,495,765)	(55,527,239)	(6,289,273)	(113,560)	(20,580,674)	(12,046,317)	(143,475)	(13,596)	(2,051,303)	(1,723,650)	(6,680)	(14,412,906)	0
REV - PROV FOR RATE REFUND - JAAR		(6,050,000)	(6,050,000)	(2,987,769)	(332,483)	(4,107)	(1,622,565)	(1,066,876)	(5,211)	(612)	(22,980)	(7,303)	(97)	0	0
TOTAL SALES OF ELECTRICITY		5,560,010,922	3,606,104,570	1,818,153,494	237,406,282	4,230,651	905,547,331	547,986,518	5,233,638	497,111	62,196,287	24,651,487	201,771	599,992,370	1,353,913,982
OTHER REVENUES:															
REV - FORETIED DISCOUNTS (450) AS INPUT		8,582,371	7,663,772	6,529,912	871,001	32,710	210,744	1,518	4,631	4,244	0	8,587	424	918,569	0
REV - MISC SERVICE REVENUES (461)		6,165,627	5,505,700	4,691,128	625,732	23,499	151,400	1,091	3,327	3,049	0	6,169	305	659,927	0
REV - RENT (454) - DIST PLT REL		5,124,157	4,465,630	3,050,606	358,230	9,613	438,324	109,550	12,410	977	255,741	229,381	798	643,994	14,533
REV - RENT (454) - DIST POLE RENTAL REV		12,960,572	10,901,069	8,679,686	1,079,012	34,313	807,244	133,549	23,738	4,465	12,922	123,870	2,271	2,059,503	0
REV - RENT (454) - TRANS PLT REL		639,579	376,359	213,942	22,666	191	91,268	48,054	210	28	0	0	0	55,763	207,457
REV - RENT (454) - ADD FAC - WHLS		2,806,145	0	0	0	0	0	0	0	0	0	0	0	0	2,806,145
REV - RENT (454) - ADD FAC - RET x LIGHTING		5,162,072	4,617,085	18	40,902	0	227,143	4,349,022	0	0	0	0	0	544,987	0
REV - RENT (454) - ADD FAC - LIGHTING		4,184,534	3,848,777	0	0	0	0	0	0	0	2,063,915	1,784,862	0	335,757	0
REV - RENT (454) - OTHER		5,086,652	3,385,429	1,908,544	216,171	3,903	707,385	414,048	4,931	467	70,506	59,244	230	518,409	1,182,815
REV - OTHER ELEC REV (456) - PROD PLT REL		1,924,556	1,171,268	578,426	64,368	795	314,125	206,545	1,009	118	4,449	1,414	19	186,103	567,185
REV - OTHER ELEC REV (456) - TRANS REL		10,403,096	6,121,684	3,479,880	368,672	3,113	1,484,515	781,631	3,419	455	0	0	0	907,017	3,374,395
REV - OTHER ELEC REV (456) - WH D/A		55,825,581	0	0	0	0	0	0	0	0	0	0	0	0	55,825,581
REV - OTHER ELEC REV (456) - OTHER		548,940	365,348	205,966	23,329	421	76,339	44,683	532	50	7,609	6,393	25	55,945	127,647
REV - OTHER ELEC REV (456) - REPS		1,114,245	1,114,245	373,187	509,058	20,700	152,238	4,925	1,617	1,991	46,048	4,296	184	0	0
REV - OTHER ELEC REV (456) - DIS PLT REL		1,611,605	1,404,491	959,450	112,667	3,024	137,858	34,455	3,903	307	80,433	72,143	251	202,543	4,571
REV - OTHER NC RETAIL SPECIFIC		270,645	270,645	116,965	13,692	222	78,327	58,620	301	33	1,879	597	8	0	0
TOTAL OTHER REVENUES		122,410,378	51,211,501	30,787,710	4,305,500	132,504	4,876,909	6,187,691	60,027	16,187	2,543,503	2,296,956	4,515	7,088,548	64,110,328
BOOK REVENUES															
Functionalized Book Revenues		5,682,421,300	3,657,316,072	1,848,941,204	241,711,782	4,363,155	910,424,240	554,174,209	5,293,666	513,298	64,739,790	26,948,443	206,286	607,080,918	1,418,024,310
REVENUE ADJUSTMENTS:		5,395,111,332	3,471,242,220	1,739,569,780	230,562,233	4,120,777	866,620,385	518,971,860	5,084,915	480,591	61,275,065	24,358,713	197,901	577,410,322	1,346,458,790
TOTAL REVENUE ADJUSTMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ADJUSTED REVENUE		5,682,421,300	3,657,316,072	1,848,941,204	241,711,782	4,363,155	910,424,240	554,174,209	5,293,666	513,298	64,739,790	26,948,443	206,286	607,080,918	1,418,024,310
Functionalized Adjusted Revenues		5,395,111,332	3,471,242,220	1,739,569,780	230,562,233	4,120,777	866,620,385	518,971,860	5,084,915	480,591	61,275,065	24,358,713	197,901	577,410,322	1,346,458,790

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A, "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SCSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>PRODUCTION O&amp;M EXPENSE:</b>														
<b>FUEL</b>														
OM PROD ENERGY - FUEL	1,410,621,869	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	144,000,038	403,501,350
OM NC REPS RECS EXPENSE	18,521,748	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065	0	0
TOTAL FUEL	1,429,143,617	881,642,228	379,220,044	52,128,033	1,051,679	252,323,832	187,028,873	986,520	139,523	6,759,204	1,976,281	28,241	144,000,038	403,501,350
<b>PURCHASE POWER</b>														
OM PROD PURCHASES - CAPACITY COST	109,348,837	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062	10,573,950	32,226,138
OM PROD PURCHASES - ENERGY COST	597,919,200	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658	61,298,788	171,236,052
OM DEFERRED FUEL EXPENSE	(316,590,958)	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	(20,576,893)	(22,112,891)
TOTAL PURCHASES & DEF. FUEL	390,677,079	158,031,935	72,780,206	8,329,683	120,888	44,446,995	30,995,464	158,588	18,115	894,144	284,168	3,684	51,295,845	181,349,299
TOTAL FUEL, DEF. FUEL & PURCH POWER	1,819,820,696	1,039,674,164	452,000,250	60,457,716	1,172,566	296,770,826	218,024,337	1,145,108	157,639	7,653,349	2,260,449	31,925	195,295,883	584,850,649
<b>DEMAND RELATED:</b>														
OM PROD FIXED O&M	316,702,394	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055	30,050,383	95,143,980
TOTAL PRODUCTION O&M-DEMAND	316,702,394	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055	30,050,383	95,143,980
<b>ENERGY RELATED:</b>														
OM PROD VARIABLE O&M	456,430,608	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138	44,807,583	132,623,232
OM PROD VARIABLE O&M-DERP REL	13,602	0	0	0	0	0	0	0	0	0	0	0	13,602	0
OM OTHER EXPENSES - DSM REL	83,717,978	67,881,412	42,386,568	4,937,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452	15,836,566	0
TOTAL PRODUCTION O&M-ENERGY	540,162,188	346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590	60,657,751	132,623,232
<b>TOTAL PRODUCTION O&amp;M</b>	2,676,685,278	1,578,063,400	709,538,263	90,034,362	1,612,115	448,056,745	313,258,986	1,723,769	223,569	10,427,751	3,144,269	43,570	286,004,016	812,617,861
<b>TRANSMISSION O&amp;M EXPENSE:</b>														
OM TRANSMISSION EXP - TRANS	35,995,513	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0	3,511,300	11,870,689
OM TRANS EXP - OTH PROD RELATED	2,840,299	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	28	274,655	837,063
<b>TOTAL TRANSMISSION O&amp;M</b>	38,835,812	22,342,106	12,571,440	1,336,423	11,655	5,462,394	2,936,808	13,000	1,706	6,566	2,087	28	3,785,955	12,707,752
<b>DISTRIBUTION O&amp;M EXPENSE:</b>														
OM OVERHEAD LINES	123,726,440	110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014	13,122,424	69,321
OM UNDERGROUND LINES	12,976,498	11,787,240	9,206,643	1,075,590	28,394	1,222,905	175,042	32,282	3,709	24,988	15,026	2,662	1,189,258	0
OM LINE TRANSFORMERS	1,100,854	996,698	730,965	79,506	1,551	145,374	30,295	4,517	204	2,975	1,309	2	103,563	592
OM METER EXPENSE	7,620,128	6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304	866,894	160,950
OM STREET LIGHTS	8,264,418	7,164,040	0	0	0	0	0	0	0	0	0	0	1,100,378	0
OM DISTRIBUTION RENTS	2,489,215	2,088,877	1,679,584	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359	398,240	2,098
OM LOAD DISPATCH	4,689,874	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414	567,269	62,950
OM DISTRIBUTION EXP - MISC & SUPERVISION	25,996,850	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049	3,266,212	81,936
OM CUSTOMER INSTALLATIONS	5,461,524	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0	936,303	0
OM SUBSTATIONS	3,823,098	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968	462,427	51,315
OM DISTRIBUTION EXP - DSM/EE	3,896,286	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21	737,043	0
<b>TOTAL DISTRIBUTION O&amp;M</b>	200,045,185	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792	22,750,012	429,061

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"

TEST YEAR ENDING December 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

Item No. 45A COS "Per Books"

NCUC Form E-1

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>CUST. ACCOUNTING EXPENSE:</b>														
OM METER READING	5,525,904	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	274	591,082	32
OM CUST ACCT EXP - MISC	1,176,544	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	1,177	58	125,929	0
OM UNCOLLECTIBLES	10,008,548	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495	1,071,247	0
OM CUSTOMER RECORDS, EXCL REPS	39,373,363	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922	4,675,752	0
<b>TOTAL CUST ACCT EXPENSE</b>	<b>56,084,359</b>	<b>49,620,316</b>	<b>42,284,292</b>	<b>5,640,147</b>	<b>211,811</b>	<b>1,365,163</b>	<b>10,989</b>	<b>29,987</b>	<b>25,110</b>	<b>0</b>	<b>50,068</b>	<b>2,749</b>	<b>6,464,011</b>	<b>32</b>
<b>CUST. SERV &amp; INFO EXPENSE:</b>														
OM CUST SERV & INFO - CUST ASSIST	3,586,027	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	383,824	0
<b>TOTAL CUST SERV &amp; INFO EXP</b>	<b>3,586,027</b>	<b>3,202,203</b>	<b>2,728,435</b>	<b>363,936</b>	<b>13,667</b>	<b>88,057</b>	<b>634</b>	<b>1,935</b>	<b>1,774</b>	<b>0</b>	<b>3,588</b>	<b>177</b>	<b>383,824</b>	<b>0</b>
<b>SALES EXPENSE:</b>														
OM SALES EXPENSE - DEMO & SELLING	7,872,519	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378	818,035	229,705
OM SALES EXPENSE - DSM/EE	1,708	1,385	865	101	2	391	21	2	0	2	1	0	323	0
<b>TOTAL SALES EXPENSE</b>	<b>7,874,227</b>	<b>6,826,163</b>	<b>5,815,913</b>	<b>775,749</b>	<b>29,130</b>	<b>188,064</b>	<b>1,373</b>	<b>4,126</b>	<b>3,780</b>	<b>2</b>	<b>7,648</b>	<b>378</b>	<b>818,358</b>	<b>229,705</b>
<b>ADMIN &amp; GENERAL EXPENSE:</b>														
<b>A&amp;G REGULATORY EXPENSE:</b>														
OM REGULATORY EXPENSE-NCUC COAL ASH FEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY FEE - NCRETAIL	5,900,866	5,900,866	3,236,692	380,467	7,946	1,321,351	863,077	7,110	1,060	31,443	51,380	340	0	0
OM REGULATORY EXPENSE-SCRETAIL	786,232	0	0	0	0	0	0	0	0	0	0	0	786,232	0
OM REGULATORY EXPENSE-TRANS	1,905,198	1,121,111	637,297	67,518	570	271,870	143,146	626	83	0	0	0	166,109	617,979
<b>TOTAL ADM &amp; GEN REG EXPENSE</b>	<b>8,592,296</b>	<b>7,021,977</b>	<b>3,873,989</b>	<b>447,985</b>	<b>8,516</b>	<b>1,593,222</b>	<b>1,006,223</b>	<b>7,736</b>	<b>1,143</b>	<b>31,443</b>	<b>51,380</b>	<b>340</b>	<b>952,341</b>	<b>617,979</b>
<b>OTHER A&amp;G EXPENSE:</b>														
OM A&G LABOR RELATED & MISC	366,867,609	236,765,487	129,868,549	15,265,814	318,826	53,017,700	34,629,961	285,283	42,515	1,261,633	2,061,577	13,629	39,098,342	91,003,780
OM A&G LABOR RELATED - DSM/EE	1,339,861	1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7	253,456	0
OM A&G LABOR RELATED - DERP	355,182	0	0	0	0	0	0	0	0	0	0	0	355,182	0
OM A&G ALL PLANT RELATED	5,598,739	4,539,863	2,569,279	291,546	5,365	937,699	544,965	6,803	638	99,466	83,780	323	696,223	362,652
OM A&G GENERAL PLT RELATED	674,778	497,774	310,370	36,330	858	80,150	41,680	901	99	14,078	13,256	52	74,311	102,692
<b>TOTAL ADM &amp; GEN PLT EXPENSE</b>	<b>374,836,168</b>	<b>242,889,529</b>	<b>133,426,571</b>	<b>15,672,709</b>	<b>326,343</b>	<b>54,342,521</b>	<b>35,233,150</b>	<b>294,644</b>	<b>43,447</b>	<b>1,376,930</b>	<b>2,159,204</b>	<b>14,011</b>	<b>40,477,514</b>	<b>91,469,125</b>
<b>TOTAL ADMIN AND GEN EXPENSE</b>	<b>383,428,464</b>	<b>249,911,506</b>	<b>137,300,560</b>	<b>16,120,694</b>	<b>334,859</b>	<b>55,935,742</b>	<b>36,239,373</b>	<b>302,380</b>	<b>44,590</b>	<b>1,408,374</b>	<b>2,210,584</b>	<b>14,351</b>	<b>41,429,855</b>	<b>92,087,104</b>
<b>BOOK O&amp;M EXPENSE</b>	<b>3,366,539,352</b>	<b>2,086,831,807</b>	<b>1,037,542,516</b>	<b>129,746,678</b>	<b>2,673,041</b>	<b>526,544,051</b>	<b>355,621,607</b>	<b>2,472,964</b>	<b>356,518</b>	<b>17,871,168</b>	<b>13,909,219</b>	<b>94,045</b>	<b>361,636,031</b>	<b>918,071,515</b>

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:														
PRODUCTION FUNCTION:														
DPE PRODUCTION RELATED	505,099,344	307,399,059	151,807,823	16,893,361	208,651	82,442,118	54,207,717	264,750	31,076	1,167,588	371,071	4,904	48,842,726	148,857,559
DPE EXT. DECOM. TRUST-PROD	22,240,059	17,337,167	8,561,892	952,778	11,768	4,649,698	3,057,291	14,932	1,753	65,851	20,928	277	0	4,902,892
DPE CONTRA AFUDC NC RET-PROD	(6,208,430)	(6,208,430)	(3,066,009)	(341,189)	(4,214)	(1,665,054)	(1,094,814)	(5,347)	(628)	(23,581)	(7,494)	(99)	0	0
DPE CONTRA AFUDC SC RET-PROD	(673,242)	0	0	0	0	0	0	0	0	0	0	0	(673,242)	0
DPE CONTRA AFUDC WHSL - PROD	(819,151)	0	0	0	0	0	0	0	0	0	0	0	0	(819,151)
DPE HARRIS PLANT DISALLOW-NCR	(4,932,690)	(4,932,690)	(2,435,990)	(271,080)	(3,348)	(1,322,910)	(869,846)	(4,248)	(499)	(18,736)	(5,954)	(79)	0	0
DPE HARRIS PLANT DISALLOW-SCR	(668,270)	0	0	0	0	0	0	0	0	0	0	0	(668,270)	0
DPE HARRIS PLANT DISALLOW-WHSL	(1,093,983)	0	0	0	0	0	0	0	0	0	0	0	0	(1,093,983)
DPE HARRIS PL.T. DISALLOW-NCEMPA	(315,310)	0	0	0	0	0	0	0	0	0	0	0	0	(315,310)
DPE OTHER NC RETAIL SPECIFIC EXPENSE	(12,655,516)	(12,655,516)	(6,249,877)	(695,494)	(8,590)	(3,394,114)	(2,231,713)	(10,900)	(1,279)	(48,069)	(15,277)	(202)	0	0
DPE OTHER SC RETAIL SPECIFIC EXPENSE	(13,212,909)	0	0	0	0	0	0	0	0	0	0	0	(13,212,909)	0
DPE RATE DIFF. PROD. - SC	1,283,116	0	0	0	0	0	0	0	0	0	0	0	1,283,116	0
DPE RATE DIFF. PROD. - WHSLE	418,979	0	0	0	0	0	0	0	0	0	0	0	0	418,979
DPE RATE DIFF. PROD. - NCEMPA	191,197	0	0	0	0	0	0	0	0	0	0	0	0	191,197
TOTAL PRODUCTION PLT DEPR.	488,653,194	300,939,591	148,617,840	16,538,376	204,267	80,709,737	53,068,634	259,186	30,423	1,143,054	363,273	4,801	35,571,421	152,142,182
DPE TRANS RELATED - PROD	3,470,493	2,112,112	1,043,058	116,073	1,434	566,453	372,456	1,819	214	8,022	2,550	34	335,594	1,022,787
DPE TRANS RELATED - TRANS	44,607,676	26,273,453	14,935,182	1,582,290	13,360	6,371,340	3,354,657	14,672	1,952	0	0	0	3,892,796	14,441,428
DPE TRANS RELATED - SC RETAIL	(506,930)	0	0	0	0	0	0	0	0	0	0	0	(506,930)	0
DPE TRANS RELATED - OATT CONTRA	(95,694)	0	0	0	0	0	0	0	0	0	0	0	0	(95,694)
DPE TRANS RELATED - NC RETAIL	425	425	242	26	0	103	54	0	0	0	0	0	0	0
DPE DISTRIBUTION PLANT	174,114,401	151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124	21,882,356	493,834
DPE DISTRIBUTION DEPRN - SCR	6,731,628	0	0	0	0	0	0	0	0	0	0	0	6,731,628	0
DPE DISTRIBUTION DEPRN - NC STORM	1,043,015	1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179	0	0
DPE DISTRIBUTION DEPRN - SC STORM	(904,672)	0	0	0	0	0	0	0	0	0	0	0	(904,672)	0
DPE GENERAL PLANT	30,179,044	22,262,666	13,881,107	1,624,838	38,384	3,584,674	1,864,111	40,312	4,431	629,611	592,866	2,331	3,323,535	4,592,843
DPE GENERAL PLANT - SCR	(869,299)	0	0	0	0	0	0	0	0	0	0	0	(869,299)	0
DPE AMORT LTD TERM PLT	42,090,299	28,366,867	16,053,871	1,821,697	33,521	5,859,115	3,405,157	42,506	3,985	621,504	523,493	2,017	4,350,279	9,373,153
BOOK DEPRECIATION EXPENSE	788,513,580	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486	73,806,707	181,970,534
DEPRECIATION EXPENSE ADJUSTMENTS:														
TOTAL DEPR EXP ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ DEPRECIATION EXPENSE	788,513,580	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486	73,806,707	181,970,534



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
OTHER AMORTIZATION EXPENSE:														
AMORT WHS SPEC - MAYO, RECS	754,347	0	0	0	0	0	0	0	0	0	0	0	0	754,347
AMORT NUCLEAR DESIGN BASIS	721,298	438,976	216,786	24,124	298	117,730	77,410	378	44	1,667	530	7	69,749	212,573
AMORT NCEMPA ACQ ADJ	12,758,733	7,764,854	3,834,643	426,724	5,270	2,082,475	1,369,279	6,688	785	29,493	9,373	124	1,233,760	3,760,119
AMORT DSM/EE DEBIT	152,657,483	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	198,443	66,851	819	29,690,142	0
AMORT DSM/EE CREDIT	(26,257,581)	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(34,358)	(11,575)	(142)	(4,967,032)	0
AMORT DSM/EE O&M DEFERRAL	(85,086,903)	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,684)	(39,645)	(486)	(12,162,471)	0
AMORT DSM/EE CAPITAL DEFERRAL	(12,069,234)	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)	(2,283,085)	0
AMORT NC REPS DEBIT	(16,877,347)	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)	0	0
AMORT NC REPS DEFERRAL	23,391,433	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,696	90,183	3,870	0	0
AMORT SC DERP AMORTIZATION	783,315	0	0	0	0	0	0	0	0	0	0	0	783,315	0
AMORT SC POLLUTION CNTL DPE DEF	2,513,675	0	0	0	0	0	0	0	0	0	0	0	2,513,675	0
AMORT RETIRED PLANT	23,053,287	17,546,379	8,665,211	964,275	11,910	4,705,807	3,094,184	15,112	1,774	66,646	21,181	280	2,787,949	2,718,959
AMORT OTHER NC RETAIL PROD REL	14,076,338	14,076,338	6,951,544	773,576	9,555	3,775,168	2,482,266	12,123	1,423	53,466	16,992	225	0	0
AMORT SC DEFERRED ASH AMORTIZATION	752,003	0	0	0	0	0	0	0	0	0	0	0	752,003	0
AMORT WHL DEFERRED ASH AMORTIZATION	108,409,471	0	0	0	0	0	0	0	0	0	0	0	0	108,409,471
AMORT NC STORM DEFERRAL	22,964,378	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	0	0
AMORT NC EDT	(3,272,588)	(3,272,588)	(1,844,930)	(208,965)	(3,773)	(683,807)	(400,247)	(4,767)	(452)	(68,156)	(57,269)	(222)	0	0
AMORT RETIRED METERS	377,415	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0	0
AMORT COR	575,758	575,758	284,336	31,641	391	154,414	101,531	496	58	2,187	695	9	0	0
AMORT NC RETAIL CONTINUING	1,994,356	1,994,356	1,124,323	127,346	2,299	416,720	243,915	2,905	275	41,535	34,901	135	0	0
AMORT OTHER NC RETAIL SPECIFIC	44,964,405	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	0	0
AMORT OTHER SC RETAIL SPECIFIC	4,728,207	0	0	0	0	0	0	0	0	0	0	0	4,728,207	0
AMORT DISP. OF ALLOWANCES	(165,404)	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	(16,972)	(47,388)
BOOK OTHER AMORTIZATIONS														
	271,746,844	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153	23,129,239	115,808,082
TOTAL OTHER AMORT ADJUSTMENTS														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ OTHER AMORTIZATIONS														
	271,746,844	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153	23,129,239	115,808,082



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
OTHER TAXES														
OT LABOR RELATED	39,432,432	25,940,319	14,228,559	1,672,541	34,931	5,808,685	3,794,101	31,256	4,658	138,226	225,869	1,493	4,165,162	9,326,951
OT LABOR RELATED - DSM/EE	275,232	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1	52,064	0
OT LABOR RELATED - DERP	13,426	0	0	0	0	0	0	0	0	0	0	0	13,426	0
OT PROPERTY TAX - PROD	64,879,262	39,448,219	19,481,349	2,167,908	26,776	10,579,716	6,956,423	33,975	3,988	149,835	47,619	629	6,338,989	19,092,055
OT PROPERTY TAX - TRANS	10,754,363	6,298,101	3,580,164	379,296	3,203	1,527,296	804,157	3,517	468	0	0	0	933,156	3,523,107
OT PROPERTY TAX - DISTR	22,632,829	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526	2,844,449	64,193
OT PROPERTY TAX - GEN	2,891,298	2,132,870	1,329,877	156,667	3,677	343,429	178,591	3,862	425	60,320	56,799	223	318,411	440,016
OT FED HEAVY VEHICLE USE TAX	61,024	48,318	31,736	3,663	87	6,215	2,346	112	9	2,185	1,958	7	7,014	5,692
OT ELECTRIC EXCISE TAX - SC	2,222,093	0	0	0	0	0	0	0	0	0	0	0	2,222,093	0
OT PRIVILEGE TAX	16,355,561	12,154,735	6,852,263	776,119	14,014	2,539,730	1,486,559	17,705	1,678	253,138	212,705	824	0	4,200,846
OT PUC LICENSE TAX - SC	(121,100)	0	0	0	0	0	0	0	0	0	0	0	(121,100)	0
OT MISC TAXES: NC	(6,034,064)	(4,484,246)	(2,528,005)	(286,334)	(5,170)	(936,982)	(548,436)	(6,532)	(619)	(93,390)	(78,473)	(304)	0	(1,549,818)
OT MISC TAXES: SC	(1,580)	0	0	0	0	0	0	0	0	0	0	0	(1,542)	(38)
OT MISC TAXES: OTHER STATES	1,415	942	531	60	1	197	115	1	0	20	16	0	144	329
BOOK OTHER TAXES	153,362,212	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400	16,772,265	35,103,333
OTHER TAX ADJUSTMENTS:														
TOTAL OTHER TAX ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ OTHER TAXES	153,362,212	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400	16,772,265	35,103,333
BOOK OPERATING EXPENSE SUMMARY:														
BOOK O&M EXPENSE	3,366,539,352	2,086,831,807	1,037,542,516	129,746,678	2,673,041	526,544,051	365,621,607	2,472,964	356,518	17,871,168	13,909,219	94,045	361,636,031	918,071,515
BOOK DEPRECIATION EXPENSE	788,513,580	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486	73,806,707	181,970,534
BOOK OTHER AMORTIZATIONS	271,746,844	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153	23,129,239	115,808,082
BOOK OTHER TAXES	153,362,212	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400	16,772,265	35,103,333
TOT OP EXPENSE BEFORE INC TAX - BOOK	4,580,161,988	2,853,864,281	1,464,535,520	181,260,860	3,693,732	692,054,314	451,906,417	3,562,292	479,967	31,371,998	24,855,098	144,084	475,344,243	1,250,953,464
OP INCOME BEFORE INC. TAX	1,102,259,313	803,451,791	384,405,684	60,450,922	669,423	218,369,926	102,267,792	1,731,374	33,331	33,367,792	2,093,345	62,202	131,736,675	167,070,847

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
TEMPORARY DIFFERENCES:														
TXD INTEREST CHARGES	(315,465,770)	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	(32,150,863)	(73,356,206)
TOTAL OPERATING INTEREST DEDUCTIONS	(315,465,770)	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	(32,150,863)	(73,356,206)
BOOK OPERATING INTEREST DEDUCTIONS	(315,465,770)	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	(32,150,863)	(73,356,206)
TAXABLE INCOME BEFORE SIT	786,793,543	593,493,090	266,040,930	47,044,381	427,354	174,499,090	76,589,235	1,425,534	4,360	28,995,128	(1,580,876)	47,964	99,585,813	93,714,640

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
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CURRENT INCOME TAXES:

TOTAL STATE INCOME TAX - PB BLENDED	(3,938,471)	(2,970,862)	(1,331,727)	(235,491)	(2,139)	(873,494)	(383,385)	(7,136)	(22)	(145,142)	7,913	(240)	(498,499)	(469,110)
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FEDERAL INCOME TAX-PER BOOKS	(66,292,963)	(50,006,022)	(22,415,844)	(3,963,824)	(36,008)	(14,702,792)	(6,453,189)	(120,111)	(367)	(2,443,046)	133,200	(4,041)	(8,390,814)	(7,896,126)
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INVESTMENT TAX CREDITS:

ITC - PRODUCTION RELATED	(2,873,473)	(1,732,635)	(855,655)	(95,218)	(1,176)	(464,680)	(305,538)	(1,492)	(175)	(6,581)	(2,092)	(28)	(276,898)	(863,940)
ITC - TRANSMISSION RELATED	(275,392)	(162,559)	(90,793)	(9,650)	(84)	(39,400)	(22,468)	(94)	(12)	(44)	(14)	(0)	(24,169)	(88,664)
ITC - DISTRIBUTION RELATED	(413,806)	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)	(52,006)	(1,174)
ITC - GENERAL RELATED	(93,835)	(69,221)	(43,160)	(5,052)	(119)	(11,146)	(5,796)	(125)	(14)	(1,958)	(1,843)	(7)	(10,334)	(14,280)
ITC - HARRIS DISALLOW - NCR	213,806	213,806	105,587	11,750	145	57,341	37,703	184	22	812	258	3	0	0
ITC - HARRIS DISALLOW - SCR	27,137	0	0	0	0	0	0	0	0	0	0	0	27,137	0
ITC - HARRIS DISALLOW - WHSLE	47,773	0	0	0	0	0	0	0	0	0	0	0	0	47,773
ITC - HARRIS DISALLOW -NCEMPA	12,129	0	0	0	0	0	0	0	0	0	0	0	0	12,129

BOOK INVESTMENT TAX CREDITS	(3,355,660)	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)	(336,270)	(908,156)
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DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	TOTAL SYSTEM														TOTAL
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
DEFERRED INCOME TAXES:															
BOOK DEFERRED INCOME TAXES	220,852,977	168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611	23,620,084	28,814,512	
BOOK DEFERRED INCOME TAXES	220,852,977	168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611	23,620,084	28,814,512	
NET CURR & DEF STATE & FED INC TAX ADJUSTMENTS:															
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ADJ NET CURR & DEF STATE & FED INC TAXES	150,621,543	115,441,496	51,748,139	9,150,694	83,125	33,942,158	14,897,521	277,283	846	5,639,899	(307,499)	9,329	14,730,770	20,449,276	
TOTAL OPER EXPENSE - PB	4,727,427,871	2,967,194,543	1,515,153,283	190,284,455	3,774,847	725,503,190	466,498,993	3,837,046	480,555	36,983,473	24,525,384	153,317	489,738,743	1,270,494,585	
TOTAL OPER EXPENSE - ADJ	4,727,427,871	2,967,194,543	1,515,153,283	190,284,455	3,774,847	725,503,190	466,498,993	3,837,046	480,555	36,983,473	24,525,384	153,317	489,738,743	1,270,494,585	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018  
Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

NCUC Form E-1  
Item No. 45A COS "Per Books"

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
PRODUCTION PLANT IN SERVICE:														
PRODUCTION PLANT	17,514,862,610	10,659,392,763	5,264,099,426	585,795,443	7,235,206	2,858,769,051	1,879,710,855	9,180,476	1,077,591	40,487,383	12,867,271	170,061	1,693,674,017	5,161,795,830
CONTRA AFUDC - WHS	(43,604,180)	0	0	0	0	0	0	0	0	0	0	0	0	(43,604,180)
CONTRA AFUDC - NC RETAIL	(321,021,266)	(321,021,266)	(158,535,096)	(17,641,980)	(217,897)	(86,095,492)	(56,609,900)	(276,482)	(32,453)	(1,219,329)	(387,514)	(5,122)	0	0
CONTRA AFUDC - SC RETAIL	(36,217,337)	0	0	0	0	0	0	0	0	0	0	0	(36,217,337)	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(387,936,216)	(191,580,783)	(21,319,345)	(263,317)	(104,041,578)	(68,409,893)	(334,113)	(39,218)	(1,473,491)	(468,289)	(6,189)	0	0
HARRIS DISALLOWANCE - SC	(52,556,762)	0	0	0	0	0	0	0	0	0	0	0	(52,556,762)	0
HARRIS DISALLOWANCE - WHS	(86,024,692)	0	0	0	0	0	0	0	0	0	0	0	0	(86,024,692)
HARRIS DISALLOWANCE - PA	(24,779,621)	0	0	0	0	0	0	0	0	0	0	0	0	(24,779,621)
PRODUCTION PLANT - OTHER NC	(11,032,277)	(11,032,277)	(5,448,247)	(606,288)	(7,488)	(2,958,774)	(1,945,466)	(9,502)	(1,115)	(41,904)	(13,317)	(176)	0	0
CWIP IN RATE BASE - NC RETAIL	102,930,000	102,930,000	50,831,578	5,656,600	69,865	27,605,053	18,151,000	88,649	10,406	390,957	124,250	1,642	0	0
TOTAL PRODUCTION PLANT	16,654,620,260	10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,696,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216	1,604,899,918	5,007,387,338
TRANSMISSION PLANT IN SERVICE:														
TRANSMISSION PLANT - TRAN	2,533,703,339	1,492,257,550	848,275,929	89,869,598	758,804	361,874,006	190,535,012	833,346	110,856	0	0	0	221,099,755	820,346,034
TRANSMISSION PLANT - PROD	190,231,480	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847	18,395,241	56,063,018
TRANS PLANT - OATT CONTRA	(5,203,753)	0	0	0	0	0	0	0	0	0	0	0	0	(5,203,753)
TRANS PLANT - ADD FAC RETAIL	14,646,234	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0	1,534,203	0
TRANS PLANT - ADD FAC WHSLE/PA	476,813	0	0	0	0	0	0	0	0	0	0	0	0	476,813
TRANSMISSION PLANT - FERRO MIT REL	12,534,761	0	0	0	0	0	0	0	0	0	0	0	0	12,534,761
TOTAL TRANSMISSION PLANT	2,746,388,875	1,621,142,803	905,450,081	96,232,008	837,387	392,923,514	224,062,857	933,057	122,560	439,739	139,753	1,847	241,029,199	884,216,873
DISTRIBUTION PLANT IN SERVICE														
SUBSTATIONS:														
SUBSTATIONS - RETAIL	860,815,952	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894	105,507,735	0
SUBSTATIONS - ADD FAC RETAIL	12,926,704	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0	1,614,649	0
SUBSTATIONS - ADD FAC WHS	11,887,315	0	0	0	0	0	0	0	0	0	0	0	0	11,887,315
TOTAL DIST SUBSTATIONS	885,629,971	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	107,122,384	11,887,315
OVERHEAD LINES:														
PRIMARY POLES - CUSTOMER	436,382,960	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872	77,582,815	0
PRIMARY POLES - DEMAND	159,718,699	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682	26,492,525	0
SECONDARY POLES - CUSTOMER	153,504,275	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0	27,290,923	0
SECONDARY POLES - DEMAND	56,183,457	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0	9,319,144	0
PRIMARY CONDUCTOR - CUST	689,904,332	567,248,947	483,340,242	64,470,963	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417	122,655,385	0
PRIMARY CONDUCTOR - DEMAND	245,492,291	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950	17,909,527	0
PRIMARY COND - ADDL FAC RETAIL	7,047,265	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0	547,439	0
PRIMARY COND - ADDL FAC WHSL	1,622,420	0	0	0	0	0	0	0	0	0	0	0	0	1,622,420
SECONDARY COND - CUSTOMER	128,230,412	105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0	22,797,582	0
SECONDARY COND - DEMAND	47,240,311	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0	3,430,540	0
TOTAL DIST OVERHEAD LINES	1,925,326,422	1,615,678,121	1,299,103,638	160,996,393	5,059,839	120,495,082	21,903,503	3,195,436	658,585	2,040,969	1,946,754	277,922	308,025,880	1,622,420
UNDERGROUND LINES:														
U/G LINES - PRIMARY CUSTOMER	471,336,487	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305	32,507,467	0
U/G LINES - SECONDARY CUSTOMER	208,263,218	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0	14,637,046	0
U/G LINES - PRIMARY DEMAND	436,334,267	386,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251	50,658,944	0
U/G LINES - SECONDARY DEMAND	183,534,093	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0	21,288,935	0
TOTAL DIST UNDERGRND LINES	1,299,468,065	1,180,375,674	921,954,349	107,709,679	2,843,400	122,461,822	17,528,706	3,232,750	371,430	2,502,294	1,504,688	266,556	119,092,391	0



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>LINE TRANSFORMERS:</b>														
LINE TRANS - DEMAND	750,589,263	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0	63,640,554	0
LINE TRANS - CUSTOMER	375,556,203	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656	42,432,219	0
LINE TRANS - ADDL FAC RET	4,500,004	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0	350,642	0
LINE TRANS - ADDL FAC WHS	608,854	0	0	0	0	0	0	0	0	0	0	0	0	608,854
TOTAL DIST LINE TRNSFRMS	1,131,254,324	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656	106,423,415	608,854
<b>SERVICES:</b>														
SERVICES - ALLOCATED	681,775,180	596,017,247	510,483,590	68,070,690	2,557,123	14,689,947	0	162,080	43,817	0	0	0	85,757,933	0
TOTAL DIST SERVICES	681,775,180	596,017,247	510,483,590	68,070,690	2,557,123	14,689,947	0	162,080	43,817	0	0	0	85,757,933	0
<b>METERS:</b>														
METERS - RETAIL	258,538,865	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	30,046,968	0
METERS - WHS	5,578,596	0	0	0	0	0	0	0	0	0	0	0	0	5,578,596
TOTAL DIST METERS	264,117,460	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	30,046,968	5,578,596
STREET LIGHTS	351,920,059	305,063,146	0	0	0	0	0	0	0	0	305,063,146	0	46,856,913	0
AREA LIGHTS	405,272,662	335,794,236	0	0	0	0	0	0	0	335,794,236	0	0	69,478,425	0
DISTR PLANT SUBTOTAL	6,944,764,143	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	872,804,310	19,697,185
<b>GENERAL PLANT:</b>														
TOTAL DISTRIBUTION PLANT	6,944,764,143	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	872,804,310	19,697,185
<b>GENERAL PLANT - PROD</b>														
GENERAL PLANT - PROD	28,134,739	17,122,557	8,455,908	940,984	11,622	4,592,141	3,019,446	14,747	1,731	65,036	20,669	273	2,720,608	8,291,574
GENERAL PLANT - T/D	341,326,875	270,260,876	177,508,741	20,469,190	488,380	34,761,998	13,120,904	625,226	50,946	12,223,073	10,954,249	38,169	39,229,729	31,836,270
GENERAL PLANT - CUST/SALES	23,793,686	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177	2,546,716	0
GENERAL PLANT - LABOR	235,360,942	155,091,156	85,069,254	9,999,738	208,844	34,728,779	22,684,052	186,872	27,849	826,422	1,350,418	8,927	24,730,719	55,539,067
TOTAL GENERAL PLANT	628,616,243	463,721,560	289,137,371	33,844,666	799,531	74,667,183	38,828,611	839,683	92,294	13,114,531	12,349,143	48,547	69,227,772	95,666,911
TOTAL TANGIBLE PLANT	26,974,389,521	18,179,460,015	10,288,436,620	1,167,470,195	21,482,277	3,754,928,487	2,182,261,619	27,240,492	2,554,003	398,302,804	335,491,023	1,292,493	2,787,961,199	6,006,968,307
<b>INTANGIBLE PLANT:</b>														
INTANGIBLE PLT	527,370,390	355,422,647	201,146,974	22,824,954	419,995	73,411,786	42,664,920	532,573	49,933	7,787,131	6,559,112	25,269	54,506,820	117,440,924
<b>BOOK PLANT IN SERVICE</b>														
BOOK PLANT IN SERVICE	27,501,759,911	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762	2,842,468,019	6,124,409,230
<b>PLANT IN SERVICE ADJUSTMENTS:</b>														
EPS ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ PLANT IN SERVICE	27,501,759,911	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762	2,842,468,019	6,124,409,230

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018  
Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

NCUC Form E-1  
Item No. 45A COS "Per Books"

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SSGCLR	NC MCS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
RESERVE FOR DEPRECIATION														
PRODUCTION FUNCTION:														
DPR PRODUCTION RELATED	(7,383,992,147)	(4,493,833,278)	(2,219,261,988)	(246,962,197)	(3,050,250)	(1,205,212,321)	(792,456,698)	(3,870,345)	(454,295)	(17,068,847)	(5,424,640)	(71,695)	(714,026,477)	(2,176,132,392)
DPR NUCLEAR DECOMM. - PROD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF SC RETAIL-PROD	24,176,185	0	0	0	0	0	0	0	0	0	0	0	24,176,185	0
DPR RATE DIFF WHOLESALE-PROD	7,915,814	0	0	0	0	0	0	0	0	0	0	0	0	7,915,814
DPR RATE DIFF - NCEMPA -PROD	2,917,967	0	0	0	0	0	0	0	0	0	0	0	0	2,917,967
DPR CONTRA AFUDC NC RET-PROD	238,121,493	238,121,493	117,595,368	13,086,157	161,628	63,862,395	41,991,093	205,084	24,072	904,453	287,444	3,799	0	0
DPR CONTRA AFUDC SC RET-PROD	23,950,657	0	0	0	0	0	0	0	0	0	0	0	23,950,657	0
DPR CONTRA AFUDC WHS - PROD	30,311,932	0	0	0	0	0	0	0	0	0	0	0	0	30,311,932
DPR HARRIS DISALLOW. - NC	254,433,596	254,433,596	125,651,036	13,982,601	172,700	68,237,179	44,867,621	219,133	25,721	966,411	307,134	4,059	0	0
DPR HARRIS DISALLOW. - SC	32,461,604	0	0	0	0	0	0	0	0	0	0	0	32,461,604	0
DPR HARRIS DISALLOW. - WHS	50,126,821	0	0	0	0	0	0	0	0	0	0	0	0	50,126,821
DPR HARRIS DISALLOW. - NCEMPA	15,760,830	0	0	0	0	0	0	0	0	0	0	0	0	15,760,830
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(340,104,938)	(167,959,493)	(18,690,739)	(230,851)	(91,213,589)	(59,975,175)	(292,918)	(34,382)	(1,291,815)	(410,551)	(5,426)	0	0
DPR OTHER SC RETAIL SPECIFIC - PROD	(63,159,465)	0	0	0	0	0	0	0	0	0	0	0	(63,159,465)	0
TOTAL PRODUCTION RESERVE	(7,107,079,651)	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)	(696,597,496)	(2,069,099,029)
TRANSMISSION FUNCTION:														
DPR TRANS RELATED - PROD	(59,693,497)	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)	(5,772,316)	(17,592,239)
DPR TRANS RELATED - TRANS	(756,648,821)	(445,657,941)	(253,334,891)	(26,839,268)	(226,615)	(108,072,513)	(56,902,671)	(248,876)	(33,107)	0	0	0	(66,030,734)	(244,960,147)
DPR CONTRA AFUDC - OATT	1,422,727	0	0	0	0	0	0	0	0	0	0	0	0	1,422,727
DPR TRANS RELATED - FERC MIT REL	(1,278,080)	0	0	0	0	0	0	0	0	0	0	0	0	(1,278,080)
TOTAL TRANSMISSION RESERVE	(816,197,672)	(481,986,883)	(271,275,797)	(28,835,754)	(251,273)	(117,815,663)	(63,309,031)	(280,165)	(36,779)	(137,988)	(43,854)	(580)	(71,803,050)	(262,407,739)
DISTRIBUTION FUNCTION:														
DPR DISTRIBUTION RELATED	(3,235,148,353)	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(406,587,087)	(9,175,735)
TOTAL DISTRIBUTION RESERVE	(3,235,148,353)	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(406,587,087)	(9,175,735)
GENERAL FUNCTION:														
DPR GENERAL RELATED	(167,535,557)	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)	(18,450,229)	(25,496,651)
TOTAL GENERAL RESERVE	(167,535,557)	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)	(18,450,229)	(25,496,651)
INTANGIBLE:														
TOTAL LIMITED TERM PLT RESERVE	(322,831,324)	(217,573,011)	(123,132,708)	(13,972,363)	(257,101)	(44,939,239)	(26,117,455)	(326,016)	(30,566)	(4,766,915)	(4,015,179)	(15,469)	(33,366,509)	(71,891,804)
BOOK DEPRECIATION RESERVE	(11,648,792,558)	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)	(1,226,804,371)	(2,438,070,959)
DEPRECIATION RESERVE ADJUSTMENTS:														
TOTAL DEPR RESERVE ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ DEPRECIATION RESERVE	(11,648,792,558)	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)	(1,226,804,371)	(2,438,070,959)
BOOK NET PLANT IN SERVICE	15,852,967,353	10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528	1,615,663,648	3,686,338,271

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	376,787,567	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,380	1,598,938	508,158	6,716	38,628,332	107,906,913
ADJNUC NUC FUEL - JAAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ NUCLEAR FUEL INVENTORY	376,787,567	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,380	1,598,938	508,158	6,716	38,628,332	107,906,913
ACCUM DEFERRED INCOME TAXES:														
DFTR NC CLEAN AIR	17,880,376	17,880,376	8,830,154	982,630	12,137	4,795,383	3,153,082	15,400	1,808	67,915	21,584	285	0	0
DFTR ALL PLANT RELATED	(2,537,087,878)	(1,688,562,520)	(951,931,435)	(107,820,173)	(1,946,809)	(352,824,859)	(206,516,079)	(2,459,669)	(233,075)	(35,166,516)	(29,549,392)	(114,512)	(258,568,668)	(589,956,690)
DFTR TRANSMISSION RELATED	(488,187)	0	0	0	0	0	0	0	0	0	0	0	0	(488,187)
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND	79,100,913	79,100,913	39,063,677	4,347,054	53,691	21,214,271	13,948,904	68,126	7,997	300,448	95,485	1,262	0	0
SC RETAIL - HARRIS ACCELERATED DEPR UNWIND	14,633,606	0	0	0	0	0	0	0	0	0	0	0	14,633,606	0
DFTR EDIT NC RETAIL - FED TAX CHANGE	272,646,772	272,646,772	153,705,315	17,409,377	314,345	56,969,498	33,345,489	397,155	37,634	5,678,224	4,771,246	18,490	0	0
DFTR EDIT SC RETAIL - FED TAX CHANGE	48,614,904	0	0	0	0	0	0	0	0	0	0	0	48,614,904	0
DFTR EDIT WHOL - FED TAX CHANGE	104,635,834	0	0	0	0	0	0	0	0	0	0	0	0	104,635,834
BOOK ACCUM DEFERRED INC TAX	(2,000,063,659)	(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)	(195,320,158)	(485,809,043)
TOTAL ACCUM DEF TAX ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ ACCUM DEFERRED INC TAX	(2,000,063,659)	(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)	(195,320,158)	(485,809,043)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
REGULATORY ASSETS:														
RA SFAS 109	148,257,786	98,673,185	55,627,260	6,300,602	113,764	20,617,746	12,068,016	143,734	13,620	2,054,998	1,726,754	6,692	15,109,772	34,474,830
RA SFAS 158	448,406,124	295,477,336	162,072,662	19,051,350	397,887	66,164,748	43,217,315	356,026	53,058	1,574,486	2,572,796	17,008	47,116,594	105,812,195
RA MAYO 2 ABANDONMENT - WHS	299,085	0	0	0	0	0	0	0	0	0	0	0	0	299,085
RA PRODUCTION REL	47,434,211	22,913,419	11,315,702	1,259,225	15,553	6,145,207	4,040,624	19,734	2,316	87,032	27,659	366	21,574,685	2,946,107
RA GRIDSOUTH	3,676,168	0	0	0	0	0	0	0	0	0	0	0	3,676,168	0
RA SC DERP	12,824,788	0	0	0	0	0	0	0	0	0	0	0	12,824,788	0
RA REPS DEFERRAL	(113,180,076)	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)	0	0
RA DSM/EE DEFERRAL	235,103,692	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464	15,329,741	0
RA PSNC PIPELINE	395,637	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7	40,561	113,305
RA POLLUTION CNTL DEFERRAL - SC	30,164,101	0	0	0	0	0	0	0	0	0	0	0	30,164,101	0
RA EMISSION ALLOWANCE PROCEEDS - NCR	1,457,218	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	0	0
RA DISTRIBUTION REL	37,391,666	19,424,242	13,269,283	1,558,202	41,815	1,906,585	476,514	53,978	4,249	1,112,400	997,743	3,472	17,967,424	0
RA STORM REL REG ASSETS (LIABILITIES)- NCR	28,067,622	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828	0	0
RA STORM REL REG ASSETS (LIABILITIES)- SCR	14,713,413	0	0	0	0	0	0	0	0	0	0	0	14,713,413	0
RA METER PLANT RETIREMENTS	12,421,400	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020	917,525	0
RL EDIT NC RETAIL - FED TAX CHANGE	(1,176,758,753)	(1,176,758,753)	(663,400,754)	(75,139,849)	(1,356,731)	(245,883,547)	(143,920,999)	(1,714,143)	(162,430)	(24,507,535)	(20,592,963)	(79,804)	0	0
RL EDIT WHL - FED TAX CHANGE	(209,824,650)	0	0	0	0	0	0	0	0	0	0	0	(209,824,650)	0
RL EDIT SC RETAIL - FED TAX CHANGE	(451,614,122)	0	0	0	0	0	0	0	0	0	0	0	0	(451,614,122)
RA OVER AMORTIZATIONS - NC RETAIL	(3,452,689)	(3,452,689)	(1,946,462)	(220,465)	(3,981)	(721,439)	(422,274)	(5,029)	(477)	(71,907)	(60,421)	(234)	0	0
RA PLANT REL	(18,159,563)	(18,159,563)	(10,237,500)	(1,159,547)	(20,937)	(3,794,438)	(2,220,967)	(26,452)	(2,507)	(378,197)	(317,787)	(1,232)	0	0
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)	(3,558,411)	0	0	0	0	0	0	0	0	0	0	0	(3,558,411)	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)	174,439,231	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088	0	0
BOOK REGULATORY ASSETS														
	(781,496,124)	(439,579,232)	(227,173,001)	(71,300,921)	(2,381,283)	(53,854,338)	(45,152,044)	(706,061)	(221,202)	(23,192,828)	(15,540,545)	(57,009)	(33,948,290)	(307,968,601)
REGULATORY ASSET ADJUSTMENTS:														
TOTAL REG ASSETS ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ REGULATORY ASSETS	(781,496,124)	(439,579,232)	(227,173,001)	(71,300,921)	(2,381,283)	(53,854,338)	(45,152,044)	(706,061)	(221,202)	(23,192,828)	(15,540,545)	(57,009)	(33,948,290)	(307,968,601)

DOCKET NO. E-2 Sub 1219, E 1 Item #45A "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE"  
TEST YEAR ENDING December 31, 2018

DUKE ENERGY PROGRESS, LLC

NCUC Form E-1  
Item No. 45A COS "Per Books"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
OPERATING RESERVES:														
OR LABOR RELATED OR COAL MINES & ENERGY RELATED	(80,966,293) (1,792,274)	(53,352,760) (1,095,246)	(29,264,593) (473,335)	(3,440,000) (55,410)	(71,844) (898)	(11,947,014) (316,972)	(7,803,519) (237,224)	(64,286) (1,218)	(9,580) (135)	(284,297) (7,606)	(464,566) (2,417)	(3,071) (32)	(8,507,591) (183,744)	(19,105,941) (513,283)
BOOK OPERATING RESERVES	(82,758,567)	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	(8,691,335)	(19,619,225)
TOTAL OPERATING RESERVES	(82,758,567)	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	(8,691,335)	(19,619,225)
WORKING CAPITAL:														
MATERIALS AND SUPPLIES:														
WC MAT & SUP PLUS STORES EXP	733,993,844	494,677,061	279,956,258	31,767,760	584,549	102,174,486	59,381,014	741,235	69,496	10,838,125	9,128,968	35,170	75,862,564	163,454,218
WC EMISSION ALLOWANCES	2,254,148	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40	231,096	645,558
WC EMISSION ALLOWANCE PROCEEDS - REPS	120,428,610	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927	0	0
WC FUEL INVENTORY	220,024,307	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922	22,556,933	63,012,015
BOOK MATERIALS & SUPPLIES	1,076,700,909	750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059	98,650,593	227,111,791
MATERIAL & SUPPLIES ADJUSTMENTS:														
TOT MATERIALS & SUPP ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ MATERIALS & SUPPLIES	1,076,700,909	750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059	98,650,593	227,111,791
CASH WORKING CAPITAL:														
WC DEFERRED DEBITS	7,879,996	4,658,858	2,626,443	297,483	5,371	973,468	569,792	6,786	643	97,027	81,529	316	1,854,935	1,366,202
WC PRELIMINARY SURVEY CHARGES	8,201,316	4,991,249	2,464,909	274,298	3,388	1,338,616	880,173	4,299	505	18,958	6,025	80	793,061	2,417,005
WC UNAMORTIZED DEBT EXPENSE	43,142,470	28,713,534	16,187,328	1,833,452	33,105	5,999,688	3,511,748	41,826	3,963	597,997	502,479	1,947	4,396,888	10,032,049
WC UNAMORTIZED LOSS ON REACQ DEBT	4,579,185	3,047,690	1,718,143	194,605	3,514	636,814	372,741	4,439	421	63,472	53,334	207	486,691	1,064,814
WC CUSTOMER DEPOSITS - INPUT	(137,270,708)	(116,588,158)	(99,338,867)	(13,250,447)	(497,610)	(3,206,028)	(23,097)	(70,449)	(64,571)	(0)	(130,632)	(6,457)	(20,662,550)	0
WC CUST ADV FOR CONSTRUCTION	(26,609,819)	(23,190,077)	(15,841,838)	(1,860,285)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)	(3,344,270)	(75,472)
WC CASH ALLOW LEAD/LAG	242,370,145	161,309,802	90,938,813	10,300,152	185,980	33,705,656	19,728,655	234,974	22,266	3,359,487	2,822,878	10,939	24,701,283	56,359,060
BOOK CASH WORKING CAPITAL	142,292,595	62,942,898	(1,245,069)	(2,210,752)	(316,174)	37,171,993	24,471,116	157,433	(41,846)	2,808,876	2,144,435	2,886	8,186,039	71,163,658
TOT CASH WORK CAPITAL ADJUSTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJ CASH WORK CAPITAL	142,292,595	62,942,898	(1,245,069)	(2,210,752)	(316,174)	37,171,993	24,471,116	157,433	(41,846)	2,808,876	2,144,435	2,886	8,186,039	71,163,658
BOOK WORKING CAPITAL	1,218,993,504	813,881,423	377,748,766	91,448,331	2,617,011	195,111,533	113,805,009	1,224,509	259,630	19,567,208	12,037,481	61,945	106,836,632	298,275,449
TOT ADJUSTED WORKING CAPITAL	1,218,993,504	813,881,423	377,748,766	91,448,331	2,617,011	195,111,533	113,805,009	1,224,509	259,630	19,567,208	12,037,481	61,945	106,836,632	298,275,449
BOOK RATE BASE	14,584,430,073	9,782,137,480	5,418,147,922	616,932,820	10,949,725	2,130,406,645	1,244,828,551	14,099,172	1,327,831	188,299,097	156,516,115	629,602	1,523,168,828	3,279,123,766
ADJUSTED RATE BASE	14,584,430,073	9,782,137,480	5,418,147,922	616,932,820	10,949,725	2,130,406,645	1,244,828,551	14,099,172	1,327,831	188,299,097	156,516,115	629,602	1,523,168,828	3,279,123,766



DUKE ENERGY PROGRESS, LLC  
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TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>DEVELOP LABOR FACTOR</b>														
<b>PRODUCTION LABOR:</b>														
LAB01 LABOR-PROD DEMAND REL	215,954,701	131,428,149	64,905,277	7,222,739	89,209	35,248,042	23,176,453	113,193	13,286	499,201	158,651	2,097	20,882,657	63,643,895
LAB02 LABOR-PROD ENERGY REL	171,372,617	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055	17,569,153	49,078,823
TOTAL PRODUCTION LABOR	387,327,318	236,152,791	110,164,356	12,520,863	175,062	65,556,100	45,859,218	229,628	26,199	1,226,439	389,774	5,151	38,451,810	112,722,718
<b>TRANSMISSION LABOR:</b>														
LAB04 LABOR-TRANS PROD REL	1,411,371	858,948	424,188	47,204	583	230,363	151,470	740	87	3,263	1,037	14	136,479	415,944
LAB05 LABOR-TRANS PST REL	17,886,508	10,534,961	5,988,614	634,457	5,357	2,554,739	1,345,129	5,883	783	0	0	0	1,560,908	5,790,639
TOTAL TRANSMISSION LABOR	19,297,879	11,393,909	6,412,802	681,661	5,940	2,785,102	1,496,599	6,623	869	3,263	1,037	14	1,697,387	6,206,583
<b>DISTRIBUTION LABOR:</b>														
LAB442 LABOR-SUPERVISION&ENGINEERING	448,878	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70	56,414	1,273
LAB12 LOAD DISPATCH	4,426,216	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278	535,378	59,411
LAB13 LABOR-SUBSTATION	1,738,840	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	210,323	23,339
LAB20 LABOR-OVERHEAD LINE	39,815,842	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	13,620	42,207	40,259	5,747	6,369,990	33,552
LAB25 LABOR-UNDERGROUND LINE	4,081,902	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	1,167	7,860	4,727	837	374,094	0
LAB26 LABOR-LINE TRANSFORMR	653,618	591,777	434,001	47,206	921	86,314	17,987	2,682	121	1,766	777	1	61,490	352
LAB34 LABOR-METER	3,909,852	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	444,799	82,583
LAB35 LABOR-STREET LIGHT	2,308,675	2,001,283	0	0	0	0	0	0	0	0	2,001,283	0	307,392	0
LAB36LLABOR-CUST INSTALLATNS	3,744,977	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185	400,837	0
LAB39 LABOR-RENTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAB38 LABOR-MISCELLANEOUS	8,951,220	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394	1,124,972	25,388
TOTAL DISTRIBUTION LABOR	70,080,019	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591	9,885,689	225,897
<b>CUSTOMER ACCOUNTING LABOR</b>														
	21,023,608	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040	2,250,189	3
<b>SALES LABOR</b>														
	4,977,267	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	532,733	0
<b>CUST SERV &amp; INFO LABOR</b>														
	2,244,420	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	240,228	0
<b>ADMIN &amp; GENERAL LABOR:</b>														
LAB61 LABOR-A&G LABOR REL	144,923,601	95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	15,227,951	34,198,204
TOTAL ADMIN & GEN LABOR	144,923,601	95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	15,227,951	34,198,204
<b>TOTAL LABOR EXPENSE</b>														
	649,874,113	428,234,721	234,891,591	27,611,084	576,656	95,892,439	62,634,770	515,988	76,896	2,281,900	3,728,748	24,650	68,285,986	153,353,406

Labor NC

**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"**  
**ALLOCATION Factors used in Item No. 45A COS "Per Books"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31, 2018**

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

Allocation Factors Input to TACOS Cost of Service Software		
Allocator	Functionalized As	Derived Using
C1	100% Customer	Number of Customers
C2	100% Customer	No. of Customers @ Primary and Below
C5	100% Customer	No. of Customers @ Secondary w/ Meters
C8	100% Customer	No. of Customers @ Dist. Line Xfmr and Below
C9	100% Customer	No. of Customers @ Secondary and Below
CK	100% Customer	Number of Meters
D3	100% Dist. Substation	Class Non - Coincident Peaks @ T/D Substation
D4	100% Dist. Primary	Class Non - Coincident Peaks @ Dist Primary
D8	100% Dist. Line Xfmr.	Class Non - Coincident Peaks @ Line Xfmr
D7	100% Dist. Secondary	Class Non-Coincident Peaks @ Secondary
E1	100% Energy	Energy @ Prod. Output (Trans. Input)
E2	100% Energy	Energy @ Customer Meter
DP	100% Prod. Demand	Summer CP Demand @ Prod. Output
DT	100% Transmission	Summer CP Demand @ Prod. Output
DSM	50% Prod Demand/50% Energy	DSM Test Year Revenue
DERP	100% Prod. Demand	DERP Test Year Revenue

Allocation Factors Dynamically Calculated Within TACOS		
Total Code	Calculated As	
LAB	Test Year Company Labor Expense	
NB_PLT	Total Net Plant in Service	
PTDG	Gross Tangible Plant in Service	
RB_PLT_O_DL_	Gross Total Distribution Plant	
RB_PLT_O_DL_CPREM	Gross Installation on Cust. Premises EPIS	
RB_PLT_O_DL_LNTRFRMS	Gross Dist. Line Transformer EPIS	
RB_PLT_O_DL_METR	Gross Meter Investment	
RB_PLT_O_DL_OH_LN	Gross Dist. Overhead Line Investment	
RB_PLT_O_DL_STLT	Gross Street Lighting Investment	
RB_PLT_O_DL_SUB	Gross Dist. Substation Investment	
RB_PLT_O_DL_UGL	Gross Dist. Underground Line Investment	
RB_PLT_O_GN	Gross General Plant Investment	
RB_PLT_O_PR	Gross Production Plant Investment	
RB_PLT_O_TR	Gross Transmission Plant Investment	
TDPLT	Gross Trans. and Dist. Plant Investment	
WKTX65	Pretax Operating Income Net of Interest Before Add'l Tax Deductions	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
ALLOCATION Factors used in Item No. 45A COS "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>System Factors - TACOS Inputs:</b>														
C1	1.00000	0.89297	0.76085	0.10149	0.00381	0.02456	0.00018	0.00054	0.00049	0.00000	0.00100	0.00005	0.10703	0.00000
CK	1.00000	0.89303	0.76187	0.10162	0.00382	0.02468	0.00039	0.00054	0.00007	0.00000	0.00000	0.00005	0.10697	0.00001
E1	1.00000	0.61109	0.26410	0.03092	0.00050	0.17685	0.13236	0.00068	0.00008	0.00424	0.00135	0.00002	0.10252	0.28639
E2	1.00000	0.60696	0.26147	0.03061	0.00050	0.17538	0.13269	0.00068	0.00007	0.00420	0.00134	0.00002	0.10208	0.29096
DP	1.00000	0.60859	0.30055	0.03345	0.00041	0.16322	0.10732	0.00052	0.00006	0.00231	0.00073	0.00001	0.09670	0.29471
DT	1.00000	0.58845	0.33450	0.03544	0.00030	0.14270	0.07513	0.00033	0.00004	0.00000	0.00000	0.00000	0.08719	0.32436
DSM	1.00000	0.81083	0.50630	0.05898	0.00097	0.22911	0.01235	0.00124	0.00015	0.00131	0.00044	0.00001	0.18917	0.00000
DERP	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000

<b>System Factors - TACOS Calculated:</b>														
LAB	1.00000	0.65895	0.36144	0.04249	0.00089	0.14756	0.09638	0.00079	0.00012	0.00351	0.00574	0.00004	0.10508	0.23597
NB_PLT	1.00000	0.66555	0.37521	0.04250	0.00077	0.13907	0.08140	0.00097	0.00009	0.01386	0.01165	0.00005	0.10192	0.23253
PTDG	1.00000	0.67395	0.38141	0.04328	0.00080	0.13920	0.08090	0.00101	0.00009	0.01477	0.01244	0.00005	0.10336	0.22269
RB_PLT_O_DL	1.00000	0.87149	0.59534	0.06991	0.00188	0.08554	0.02138	0.00242	0.00019	0.04991	0.04476	0.00016	0.12568	0.00284
RB_PLT_O_DL_CPREM	1.00000	0.82856	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.82856	0.00000	0.00000	0.17144	0.00000
RB_PLT_O_DL_INTRMS	1.00000	0.90539	0.66400	0.07222	0.00141	0.13206	0.02752	0.00410	0.00019	0.00270	0.00119	0.00000	0.09408	0.00054
RB_PLT_O_DL_METR	1.00000	0.86511	0.61003	0.08005	0.00300	0.15092	0.01745	0.00330	0.00005	0.00000	0.00000	0.00030	0.11376	0.02112
RB_PLT_O_DL_OH_LN	1.00000	0.83917	0.67474	0.08362	0.00263	0.06258	0.01138	0.00166	0.00034	0.00106	0.00101	0.00014	0.15999	0.00084
RB_PLT_O_DL_STLT	1.00000	0.86685	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.86685	0.00000	0.13315	0.00000
RB_PLT_O_DL_SUB	1.00000	0.86562	0.55403	0.05181	0.00020	0.16616	0.08277	0.00532	0.00003	0.00362	0.00115	0.00051	0.12096	0.01342
RB_PLT_O_DL_UGL	1.00000	0.90835	0.70949	0.08289	0.00219	0.09424	0.01349	0.00249	0.00029	0.00193	0.00116	0.00021	0.09165	0.00000
RB_PLT_O_GN	1.00000	0.73769	0.45996	0.05384	0.00127	0.11878	0.06177	0.00134	0.00015	0.02086	0.01964	0.00008	0.11013	0.15219
RB_PLT_O_PR	1.00000	0.60298	0.29778	0.03314	0.00041	0.16171	0.10633	0.00052	0.00006	0.00229	0.00073	0.00001	0.09636	0.30066
RB_PLT_O_TR	1.00000	0.59028	0.32969	0.03504	0.00030	0.14307	0.08158	0.00034	0.00004	0.00016	0.00005	0.00000	0.08776	0.32196
TDPLT	1.00000	0.79179	0.52005	0.06003	0.00143	0.10184	0.03844	0.00183	0.00015	0.03581	0.03209	0.00011	0.11493	0.09327
WKT65	1.00000	0.75432	0.33813	0.05979	0.00054	0.22179	0.09734	0.00181	0.00001	0.03685	-0.00201	0.00006	0.12657	0.11911

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45A "Per Books"  
ALLOCATION Factors used in Item No. 45A COS "Per Books"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>NC Retail Factors - TACOS Inputs:</b>														
C1		1.00000	0.85205	0.11365	0.00427	0.02750	0.00020	0.00060	0.00055	0.00000	0.00112	0.00006		
C5		1.00000	0.85649	0.11421	0.00429	0.02466	0.00000	0.00027	0.00007	0.00000	0.00000	0.00000		
C8		1.00000	0.85215	0.11366	0.00427	0.02749	0.00015	0.00060	0.00055	0.00000	0.00112	0.00000		
CK		1.00000	0.85313	0.11380	0.00427	0.02763	0.00043	0.00061	0.00007	0.00000	0.00000	0.00006		
D3		1.00000	0.64963	0.06075	0.00024	0.19482	0.08207	0.00624	0.00004	0.00425	0.00135	0.00060		
D4		1.00000	0.67603	0.06322	0.00025	0.20224	0.04526	0.00650	0.00004	0.00442	0.00141	0.00063		
D7		1.00000	0.75032	0.07009	0.00028	0.17028	0.00000	0.00252	0.00004	0.00491	0.00156	0.00000		
D8		1.00000	0.68022	0.06361	0.00025	0.20301	0.04054	0.00647	0.00004	0.00445	0.00141	0.00000		
E1		1.00000	0.43217	0.05059	0.00082	0.28941	0.21659	0.00111	0.00012	0.00694	0.00221	0.00003		
E2		1.00000	0.43079	0.05043	0.00082	0.28896	0.21862	0.00111	0.00012	0.00692	0.00220	0.00003		
DP		1.00000	0.49385	0.05496	0.00068	0.26819	0.17634	0.00086	0.00010	0.00380	0.00121	0.00002		
DT		1.00000	0.56845	0.06022	0.00051	0.24250	0.12768	0.00056	0.00007	0.00000	0.00000	0.00000		
DSM		1.00000	0.62442	0.07273	0.00119	0.28256	0.01523	0.00153	0.00018	0.00161	0.00054	0.00001		
REPS		1.00000	0.33492	0.45866	0.01858	0.13663	0.00442	0.00145	0.00179	0.04133	0.00386	0.00017		
<b>NC Retail Factors - TACOS Calculated:</b>														
LAB		1.00000	0.54851	0.06448	0.00135	0.22392	0.14626	0.00120	0.00018	0.00533	0.00871	0.00006		
NB_PLT		1.00000	0.56375	0.06385	0.00115	0.20895	0.12230	0.00146	0.00014	0.02083	0.01750	0.00007		
PTDG		1.00000	0.56594	0.06422	0.00118	0.20655	0.12004	0.00150	0.00014	0.02191	0.01845	0.00007		
RB_PLT_O_DI_		1.00000	0.68313	0.08022	0.00215	0.09815	0.02453	0.00278	0.00022	0.05727	0.05137	0.00018		
RB_PLT_O_DI_CPREM		1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000		
RB_PLT_O_DI_INTFRMS		1.00000	0.73339	0.07977	0.00156	0.14586	0.03040	0.00453	0.00020	0.00298	0.00131	0.00000		
RB_PLT_O_DI_METR		1.00000	0.70515	0.09253	0.00347	0.17445	0.02017	0.00381	0.00006	0.00000	0.00000	0.00035		
RB_PLT_O_DI_OH_LN		1.00000	0.80406	0.09965	0.00313	0.07458	0.01356	0.00198	0.00041	0.00126	0.00120	0.00017		
RB_PLT_O_DI_STLT		1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000		
RB_PLT_O_DI_SUB		1.00000	0.64004	0.05986	0.00024	0.19195	0.09562	0.00615	0.00003	0.00419	0.00133	0.00059		
RB_PLT_O_DI_UGI		1.00000	0.78107	0.09125	0.00241	0.10375	0.01485	0.00274	0.00031	0.00212	0.00127	0.00023		
RB_PLT_O_GN		1.00000	0.62352	0.07298	0.00172	0.16102	0.08373	0.00181	0.00020	0.02828	0.02663	0.00010		
RB_PLT_O_PR		1.00000	0.49385	0.05496	0.00068	0.26819	0.17634	0.00086	0.00010	0.00380	0.00121	0.00002		
RB_PLT_O_TR		1.00000	0.55853	0.05936	0.00052	0.24237	0.13821	0.00058	0.00008	0.00027	0.00009	0.00000		
TDPLT		1.00000	0.65681	0.07581	0.00181	0.12862	0.04855	0.00231	0.00019	0.04523	0.04053	0.00014		
WKT65		1.00000	0.44826	0.07927	0.00072	0.29402	0.12905	0.00240	0.00001	0.04886	-0.00266	0.00008		



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45B, "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL ADJUSTED REVENUE		3,339,374,283	1,689,619,166	203,062,449	3,464,617	862,068,456	480,832,166	5,299,511	471,349	65,738,236	28,606,026	213,307
OPERATING EXPENSES:												
ADU O&M EXPENSE		1,865,534,138	923,120,873	112,728,471	2,134,529	505,785,214	290,745,555	2,367,934	291,295	15,353,158	12,923,558	83,551
ADU DEPRECIATION EXPENSE		706,758,476	387,595,288	46,991,806	687,782	163,026,703	86,742,630	899,375	81,661	10,874,764	9,823,688	34,779
ADU OTHER AMORTIZATIONS		264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170	399,402	13,287
ADU OTHER TAXES		104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107
ADU NET CURR & DEF STATE & FED INC TAXES		36,601,248	12,141,909	829,577	(9,415)	11,738,218	4,252,379	281,690	2,997	7,282,987	66,901	14,003
ADU INVESTMENT TAX CREDITS		(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)
TOTAL ADU OPER EXPENSE		2,975,372,729	1,516,739,516	183,940,099	3,243,356	768,302,498	437,533,721	4,001,663	433,632	36,247,564	24,779,025	151,655
RETURN BEFORE ADJUSTMENTS		364,001,554	172,879,650	19,122,350	221,261	93,765,959	43,298,444	1,297,848	37,717	29,490,672	3,826,000	61,652
INTEREST ON CUST DEPOSITS - INPUT		(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)
INCOME FOR RETURN WITH CUSTOMER GROWTH ADJ		356,030,565	166,087,974	18,216,433	187,240	93,546,766	43,296,865	1,293,032	33,302	29,490,672	3,817,069	61,211
INCOME FOR RETURN WITH CUSTOMER GROWTH		356,030,565	166,087,974	18,216,433	187,240	93,546,766	43,296,865	1,293,032	33,302	29,490,672	3,817,069	61,211
YEAR END RATE BASE:												
ADU PLANT IN SERVICE		19,183,579,258	10,835,101,138	1,306,799,696	21,406,721	4,101,834,777	2,124,129,985	28,151,277	2,445,530	401,485,141	360,963,668	1,261,324
ADU DEPRECIATION RESERVE		(8,144,507,672)	(4,610,909,251)	(555,870,573)	(9,147,081)	(1,734,745,936)	(890,172,276)	(12,068,936)	(1,041,909)	(173,871,053)	(156,136,178)	(544,479)
ADU NET PLANT IN SERV		11,039,071,586	6,224,191,887	750,929,123	12,259,640	2,367,088,841	1,233,957,710	16,082,342	1,403,621	227,614,088	204,827,490	716,845
PLANT HELD FOR FUTURE USE		0	0	0	0	0	0	0	0	0	0	0
ADU NUCLEAR FUEL INVENTORY		202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,486,974	236,601	26,397	1,598,938	508,158	6,716
ADU ACCUM DEFERRED INC TAX		(1,521,911,942)	(862,656,269)	(115,528,998)	(2,339,762)	(315,565,605)	(174,093,727)	(2,171,835)	(268,350)	(26,512,739)	(22,665,555)	(109,103)
TOTAL OPERATING RESERVES		(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,385)	(441,368)	(2,765)
ADU MATERIALS & SUPPLIES		603,695,041	322,075,419	38,614,481	634,241	139,661,753	81,977,188	838,696	76,675	10,725,803	9,056,019	34,766
ADU WORK CAPITAL, REG ASSETS		516,534,789	319,775,295	38,408,098	1,278,392	98,908,579	80,024,642	876,281	187,343	(11,712,570)	(11,285,729)	74,457
ADJUSTED RATE BASE		10,785,574,092	6,059,534,884	718,756,923	11,938,400	2,336,327,644	1,259,576,191	15,799,377	1,416,554	201,502,187	179,999,015	720,916
RATE OF RETURN (ROR)		3.30%	2.74%	2.53%	1.57%	4.00%	3.44%	8.18%	2.35%	14.64%	2.12%	8.49%



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45B COS "Proforma Adjusted"  
NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - PER BOOKS													
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
BOOK REVENUES	3,657,503,448	1,849,210,598	241,400,618	4,373,094	909,572,200	554,939,969	5,301,949	514,860	64,956,911	27,026,067	207,182		
OPERATING EXPENSES:													
BOOK O&M EXPENSE	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317		
BOOK DEPRECIATION EXPENSE	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333		
BOOK OTHER AMORTIZATIONS	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520		
BOOK OTHER TAXES	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531		
BOOK STATE INCOME TAX	(2,916,502)	(1,329,170)	(202,892)	(2,953)	(774,766)	(437,402)	(7,751)	(153)	(163,223)	2,123	(316)		
BOOK FEDERAL INCOME TAX	(49,091,019)	(22,372,795)	(3,415,110)	(49,700)	(13,040,976)	(7,362,420)	(130,468)	(2,570)	(2,747,398)	35,735	(5,318)		
BOOK INVESTMENT TAX CREDITS	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)		
BOOK DEFERRED INCOME TAXES	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875		
TOTAL OPER EXPENSE - PB													
	2,974,060,928	1,516,164,664	194,343,712	3,673,841	737,469,059	459,501,817	3,759,051	464,315	34,725,060	23,815,539	143,870		
RETURN BEFORE ADJUSTMENTS													
INTEREST ON CUST DEPOSITS - INPUT	683,442,520	333,045,935	47,056,907	699,253	172,103,141	95,438,151	1,542,898	50,546	30,231,850	3,210,529	63,312		
	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)		
INCOME FOR RETURN													
	675,471,531	326,254,258	46,150,990	665,232	171,883,948	95,436,572	1,538,081	46,131	30,231,850	3,201,597	62,870		
YEAR END RATE BASE:													
BOOK PLANT IN SERVICE	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182		
BOOK DEPRECIATION RESERVE	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)		
BOOK NET PLANT IN SERVICE	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099		
PLANT HELD FOR FUTURE USE													
BOOK NUCLEAR FUEL INVENTORY	0	0	0	0	0	0	0	0	0	0	0		
BOOK ACCUM DEFERRED INC TAX	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)		
BOOK OPERATING RESERVES	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)		
BOOK MATERIALS & SUPPLIES	754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	54,613		
BOOK WORKING CAPITAL, REG ASSETS	(375,172,176)	(221,885,095)	(75,646,532)	(2,628,699)	(24,947,952)	(17,542,979)	(500,528)	(252,277)	(18,880,094)	(12,840,073)	(47,947)		
BOOK RATE BASE													
	9,859,050,290	5,401,739,228	653,629,289	10,083,501	2,257,172,631	1,201,803,010	13,513,933	1,187,739	168,951,290	150,421,433	548,237		
RATE OF RETURN													
	6.85%	6.04%	7.06%	6.60%	7.62%	7.94%	11.38%	3.88%	17.89%	2.13%	11.47%		

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - REVENUES	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
SALES OF ELECTRICITY:											
RETAIL SALES OF ELECTRICITY	3,563,165,280	1,820,227,876	226,009,560	3,781,169	886,079,172	532,588,876	5,200,515	454,335	62,444,191	26,178,894	200,691
REV - REPS	24,719,022	8,278,986	11,293,212	459,221	3,377,339	109,249	35,883	44,178	1,021,561	95,302	4,090
REV UNBILLED REVENUES	(12,096,317)	(10,422,074)	(118,784)	(1,947)	(632,887)	(613,073)	(2,796)	(3,715)	(116,405)	(184,529)	(103)
REV - SALES FOR RESALE D/A	0	0	0	0	0	0	0	0	0	0	0
REV - SALES FOR RESALE CREDIT - TRANSMISSION	45,117	22,377	2,755	23	12,714	7,213	32	3	0	0	0
REV - SALES FOR RESALE CREDIT - ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793
REV - SALES FOR RESALE CREDIT - DEMAND	4,817,627	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0
REV - PROV FOR RATE REFUND	(98,495,765)	(54,852,620)	(6,629,775)	(103,322)	(21,785,156)	(11,500,851)	(136,065)	(11,980)	(1,826,621)	(1,643,622)	(5,751)
REV - PROV FOR RATE REFUND - JAAR	(6,050,000)	(3,000,740)	(369,379)	(3,040)	(1,704,932)	(967,179)	(4,289)	(441)	(0)	(0)	(0)
TOTAL SALES OF ELECTRICITY	3,606,157,551	1,818,848,412	237,061,216	4,241,142	904,342,037	548,563,056	5,241,288	498,766	62,425,849	24,733,065	202,719
OTHER REVENUES:											
REV - FORFEITED DISCOUNTS (450) AS INPUT	7,663,772	6,529,912	871,001	32,710	210,744	1,518	4,631	4,244	0	8,587	424
REV - MISC SERVICE REVENUES (451)	5,505,700	4,691,128	625,732	23,499	151,400	1,091	3,327	3,049	0	6,169	305
REV - RENT (454) - DIST PLT REL	4,465,630	3,050,606	358,230	9,613	438,324	109,550	12,410	977	255,741	229,381	798
REV - RENT (454) - DIST POLE RENTAL REV	10,901,069	8,679,686	1,079,012	34,313	807,244	133,549	23,738	4,465	12,922	123,870	2,271
REV - RENT (454) - TRANS PLT REL	381,636	189,288	23,301	192	107,548	61,010	271	28	0	0	0
REV - RENT (454) - ADD FAC - WHLS	0	0	0	0	0	0	0	0	0	0	0
REV - RENT (454) - ADD FAC - RET x LIGHTING	4,617,085	18	40,902	0	227,143	0	0	0	0	0	0
REV - RENT (454) - ADD FAC - LIGHTING	3,848,777	0	0	0	0	0	0	0	0	0	0
REV - RENT (454) - OTHER	3,412,883	1,900,646	229,722	3,580	754,857	398,505	4,715	415	2,063,915	1,784,862	199
REV - OTHER ELEC REV (456) - PROD PLT REL	1,184,137	587,320	72,297	595	333,698	189,301	839	86	0	0	0
REV - OTHER ELEC REV (456) - TRANS REL	6,207,517	3,078,867	378,996	3,119	1,749,321	992,361	4,400	452	0	0	0
REV - OTHER ELEC REV (456) - WH D/A	0	0	0	0	0	0	0	0	0	0	0
REV - OTHER ELEC REV (456) - OTHER	368,310	205,113	24,791	386	81,462	43,006	509	45	6,830	6,146	22
REV - OTHER ELEC REV (456) - REPS	1,114,245	373,187	509,058	20,700	152,238	4,925	1,617	1,991	46,048	4,296	184
REV - OTHER ELEC REV (456) - DIS PLT REL	1,404,491	969,450	112,667	3,024	137,858	34,455	3,903	307	80,433	72,143	251
REV - OTHER NC RETAIL SPECIFIC	270,645	116,965	13,692	222	78,327	58,620	301	33	1,879	597	8
TOTAL OTHER REVENUES	51,345,897	30,362,186	4,339,402	131,953	5,230,163	6,376,912	60,660	16,094	2,531,062	2,293,002	4,463
BOOK REVENUES											
Functionalized Book Revenues	3,657,503,448	1,849,210,598	241,400,618	4,373,094	909,572,200	554,939,969	5,301,949	514,860	64,956,911	27,026,067	207,182
	3,471,242,220	1,760,231,428	230,184,834	4,132,081	865,333,536	519,617,022	5,093,246	482,377	61,522,726	24,446,044	198,926
REVENUE ADJUSTMENTS:											
RETAIL SALES OF ELECTRICITY ADJ TO EXC DSM & REPS	(330,305,859)	(151,723,051)	(13,923,774)	(223,294)	(75,893,031)	(88,095,312)	(475,797)	(16,660)	(34,370)	77,661	1,770
REV - REMOVE RATE REFUND	98,495,765	54,852,620	6,629,775	103,322	21,785,156	11,500,851	136,065	11,980	1,826,621	1,643,622	5,751
REV - REMOVE RATE REFUND JAAR	6,050,000	3,000,740	369,379	3,040	1,704,932	967,179	4,289	441	0	0	0
Total ADJUSTMENT TO ANNUALIZE REVENUE	(225,760,094)	(93,869,691)	(6,924,620)	(116,932)	(52,402,943)	(75,627,281)	(335,443)	(4,239)	1,792,251	1,721,283	7,522

DUKE ENERGY PROGRESS, LLC  
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TEST YEAR ENDING December 31, 2018

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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - REVENUES												
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJREV WEATHER NORMALIZATION	(77,391,796)	(54,669,922)	(20,269,274)	(340,030)	(1,474,692)	(637,878)	0	0	0	0	0	0
ADJREV CUSTOMER GROWTH	5,182,122	(8,344,462)	1,113,309	43,283	10,097,067	2,061,586	374,132	5,324	0	(171,255)	3,137	3,137
ADJREV UNBILLED REVENUES	12,096,317	10,422,074	118,784	1,947	632,887	613,073	2,798	3,715	116,405	184,529	103	103
ADJREV COAL INVENTORY RIDER REV	(270,645)	(116,965)	(13,692)	(222)	(78,327)	(58,620)	(301)	(33)	(1,879)	(597)	(8)	(8)
REV - REPS ADJUSTMENT	(25,833,267)	(8,652,173)	(11,802,270)	(479,921)	(3,529,577)	(114,174)	(37,501)	(46,170)	(1,067,609)	(99,597)	(4,275)	(4,275)
RETAIL ADJ TO EXC JAAR: PROD DEM REL REV	(1,996,412)	(990,201)	(121,890)	(1,003)	(562,603)	(319,155)	(1,415)	(145)	(0)	(0)	(0)	(0)
Incr/(Decr) to REV - MISC SERVICE REVENUES (451)	(3,145,681)	(2,680,276)	(357,512)	(13,426)	(86,502)	(623)	(1,901)	(1,742)	(0)	(3,525)	(174)	(174)
Incr/(Decr) to REV - RENT (454) - ADD FAC	(1,010,139)	(690,056)	(81,033)	(2,175)	(99,150)	(24,781)	(2,807)	(221)	(57,849)	(51,887)	(181)	(181)
Incr/(Decr) to REV - OTHER ELEC REV (456) - OTHER	432	240	29	0	95	50	1	0	8	7	0	0
Total ADJUSTMENT TO MISC REVENUE	(4,155,389)	(3,370,092)	(438,516)	(15,600)	(185,557)	(25,353)	(4,707)	(1,963)	(57,841)	(55,404)	(355)	(355)
RETAIL SALES OF ELECTRICITY PROPOSED ADJ	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL REVENUE ADJUSTMENTS	(318,129,165)	(159,591,432)	(38,338,170)	(908,477)	(47,503,744)	(74,107,803)	(2,437)	(43,512)	781,326	1,578,958	6,125	6,125
TOTAL ADJUSTED REVENUE	3,339,374,283	1,689,619,166	203,062,449	3,464,617	862,068,456	480,832,166	5,299,511	471,349	65,738,236	28,605,026	213,307	213,307
Functionalized Adjusted Revenues	3,153,113,055	1,600,639,995	191,846,665	3,223,603	817,829,792	445,509,220	5,090,809	438,866	62,304,052	26,025,002	205,051	205,051

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2-Sub 1219, Et Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

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## Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PRODUCTION O&M EXPENSE:												
FUEL												
OM PROD ENERGY - FUEL		863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176
OM NC REPS RECS EXPENSE		18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065
TOTAL FUEL		881,642,228	379,220,044	52,128,033	1,051,679	252,323,832	187,028,873	986,520	139,523	6,759,204	1,976,281	28,241
PURCHASE POWER												
OM PROD PURCHASES - CAPACITY COST		67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0
OM PROD PURCHASES - ENERGY COST		365,364,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658
OM DEFERRED FUEL EXPENSE		(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,683)	(1,895,961)	(602,554)	(8,035)
TOTAL PURCHASES & DEF. FUEL		158,763,118	73,285,546	8,780,177	109,525	45,559,072	30,015,712	148,967	16,288	641,374	203,835	2,623
TOTAL FUEL, DEF. FUEL & PURCH POWER		1,040,405,347	452,505,590	60,908,210	1,161,204	297,882,903	217,044,585	1,135,487	155,812	7,400,578	2,180,116	30,863
DEMAND RELATED:												
OM PROD FIXED O&M		193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0
TOTAL PRODUCTION O&M-DEMAND		193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0
ENERGY RELATED:												
OM PROD VARIABLE O&M		278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138
OM PROD VARIABLE O&M-DEPR REL		0	0	0	0	0	0	0	0	0	0	0
OM OTHER EXPENSES - DSM REL		67,881,412	42,386,568	4,937,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452
TOTAL PRODUCTION O&M-ENERGY		346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590
TOTAL PRODUCTION O&M		1,580,953,317	711,524,907	91,784,580	1,568,081	452,384,445	309,468,522	1,686,500	216,488	9,447,579	2,832,761	39,453
TRANSMISSION O&M EXPENSE:												
OM TRANSMISSION EXP - TRANS		20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0
OM TRANS EXP - OTH PROD RELATED		1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0
TOTAL TRANSMISSION O&M		22,653,573	11,235,948	1,383,099	11,383	6,383,934	3,621,499	16,059	1,650	0	0	0
DISTRIBUTION O&M EXPENSE:												
OM OVERHEAD LINES		110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014
OM UNDERGROUND LINES		9,206,643	9,206,643	1,075,500	28,394	1,222,905	175,042	32,282	3,709	24,988	15,026	2,662
OM LINE TRANSFORMERS		996,698	730,965	79,506	1,551	145,374	30,295	4,517	204	2,975	1,309	2,304
OM METER EXPENSE		6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304
OM STREET LIGHTS		7,164,040	0	0	0	0	0	0	0	0	7,164,040	0
OM DISTRIBUTION RENTS		2,088,877	1,679,584	208,149	6,542	155,786	28,319	4,131	851	2,639	5,403	359
OM LOAD DISPATCH		4,059,655	2,598,350	243,000	958	779,320	388,168	24,973	141	17,000	5,403	2,414
OM DISTRIBUTION EXP - MISC & SUPERVISION		22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049
OM CUSTOMER INSTALLATIONS		4,525,221	0	0	0	0	0	0	0	4,525,221	0	0
OM SUBSTATIONS		3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968
OM DISTRIBUTION EXP - DSM/EE		3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21
TOTAL DISTRIBUTION O&M		176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792

DUKE ENERGY PROGRESS, LLC  
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TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE											
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
CUST. ACCOUNTING EXPENSE:											
OM METER READING	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	274
OM CUST ACCT EXP - MISC	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	1,177	58
OM UNCOLLECTIBLES	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495
OM CUSTOMER RECORDS, EXCL REPS	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922
TOTAL CUST ACCT EXPENSE	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749
CUST. SERV & INFO EXPENSE:											
OM CUST SERV & INFO - CUST ASSIST	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177
TOTAL CUST SERV & INFO EXP	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177
SALES EXPENSE:											
OM SALES EXPENSE - DEMO & SELLING	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378
OM SALES EXPENSE - DSM/EE	1,385	865	101	2	391	21	2	0	2	1	0
TOTAL SALES EXPENSE	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378
ADMIN & GENERAL EXPENSE:											
A&G REGULATORY EXPENSE:											
OM REGULATORY EXPENSE-NCUC COAL ASH FEE	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY FEE - NCRETAIL	5,900,866	3,226,741	394,764	7,510	1,362,082	830,970	6,768	990	22,425	48,316	301
OM REGULATORY EXPENSE-SCRETAIL	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY EXPENSE-TRANS	1,136,830	563,856	69,408	571	320,367	181,739	806	83	0	0	0
TOTAL ADM & GEN REG EXPENSE	7,037,696	3,790,597	464,172	8,081	1,682,448	1,012,709	7,574	1,073	22,425	48,316	301
OTHER A&G EXPENSE:											
OM A&G LABOR RELATED & MISC	237,903,652	130,091,650	15,915,591	302,761	54,914,680	33,502,006	272,875	39,927	904,093	1,947,941	12,127
OM A&G LABOR RELATED - DSM/EE	1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7
OM A&G LABOR RELATED - DERP	0	0	0	0	0	0	0	0	0	0	0
OM A&G ALL PLANT RELATED	4,575,062	2,564,177	309,613	4,929	997,648	520,903	6,496	568	89,752	80,693	282
OM A&G GENERAL PLT RELATED	499,614	307,003	37,036	843	84,304	42,494	898	97	13,740	13,149	51
TOTAL ADM & GEN PLT EXPENSE	244,064,732	133,641,204	16,341,259	309,827	56,303,604	34,081,947	281,927	40,786	1,009,338	2,042,374	12,467
TOTAL ADMIN AND GEN EXPENSE	251,102,428	137,431,801	16,805,431	317,907	57,986,052	35,094,656	289,501	41,859	1,031,763	2,090,690	12,768
BOOK O&M EXPENSE	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317



DUKE ENERGY PROGRESS, LLC													NCUC Form E-1	
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"													Item No. 45B COS "Proforma Adjusted"	
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES														
TEST YEAR ENDING December 31, 2018														
Summer CP Demand Allocation with MINIMUM SYSTEM														
COS DETAIL - OPER. EXPENSE			NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
O&M ADJUSTMENTS:														
FUEL ADJUSTMENTS														
ADJOM FUEL CLAUSE - FUEL REL			870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547	
ADJOM FUEL CLAUSE - REM ENERGY			(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)	
ADJOM DEFERRED FUEL			273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035	
TOTAL FUEL ADJUSTMENTS			(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)	
PURCHASED POWER ADJUSTMENTS														
ADJOM PUR CAP COST ADJ			(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)	
TOTAL PURCHASE POWER ADJUSTMENTS			(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)	
OTHER O&M ADJUSTMENTS														
ADJOM CLAUSE ADJ NCUC FEE			(833,199)	(382,722)	(35,123)	(563)	(191,441)	(222,221)	(1,200)	(42)	(87)	196	4	
ADJOM WEATHER REL FUEL			(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0	
ADJOM WEATHER REL NC REG FEE			(285,625)	(201,767)	(74,807)	(1,255)	(5,443)	(2,354)	0	0	0	0	0	
ADJOM FUEL - CUSTOMER GROWTH			2,857,405	(1,917,498)	261,769	9,831	3,845,022	584,590	84,490	1,302	0	(12,495)	396	
ADJOM NCUC FEE - CUSTOMER GROWTH			19,125	(30,796)	4,109	160	37,265	7,609	1,381	20	0	(632)	12	
ADJOM REMOVE REPS			(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)	
ADJOM REMOVE DSM			(72,128,445)	(45,038,504)	(5,246,185)	(85,883)	(20,380,404)	(1,098,421)	(110,004)	(12,932)	(116,400)	(39,212)	(480)	
ADJOM REMOVE DSM - PLANT RELATED			(479,839)	(268,935)	(32,473)	(517)	(104,635)	(54,633)	(681)	(60)	(9,413)	(8,463)	(30)	
Total DSM ADJUSTMENT TO O&M			(72,608,284)	(45,307,439)	(5,278,668)	(86,410)	(20,485,039)	(1,153,054)	(110,685)	(12,991)	(125,813)	(47,676)	(510)	
ADJOM JAAR PROD DEMAND REL			(44,430,508)	(22,037,092)	(2,712,676)	(22,326)	(12,520,825)	(7,102,855)	(31,487)	(3,286)	(0)	(0)	(0)	
ADJOM JAAR A&G REL			(19,073,136)	(9,460,086)	(1,164,498)	(9,584)	(5,374,942)	(3,049,115)	(13,521)	(1,389)	(0)	(0)	(0)	
Total JAAR ADJUSTMENT TO O&M			(63,503,644)	(31,497,178)	(3,877,174)	(31,911)	(17,895,767)	(10,151,970)	(45,018)	(4,625)	(0)	(0)	(0)	
ADJOM EXECUTIVE COMPENSATION														
ADJOM NON LABOR, NON FUEL INFLATION			(2,398,816)	(1,311,733)	(160,479)	(3,053)	(553,713)	(337,805)	(2,751)	(403)	(9,116)	(19,641)	(122)	
ADJOM YEAR END PAYROLL			1,311,104	730,158	88,251	1,375	289,988	153,091	1,811	159	24,315	21,879	77	
ADJOM PENSION EXPENSE			(18,512,300)	(10,122,987)	(1,238,460)	(23,556)	(4,273,146)	(2,606,934)	(21,234)	(3,107)	(70,351)	(151,578)	(944)	
ADJOM NUCLEAR LEVELIZATION			(3,059,869)	(1,673,213)	(204,703)	(3,884)	(706,302)	(430,886)	(3,510)	(514)	(11,628)	(25,054)	(156)	
ADJOM RATE CASE EXPENSE			(6,232,200)	(3,091,110)	(380,503)	(3,132)	(1,756,277)	(996,307)	(4,418)	(454)	(0)	(0)	(0)	
ADJOM AVIATION			701,000	390,389	47,184	735	155,046	81,852	968	85	13,000	11,698	41	
ADJOM ANNUALIZE NC REGULATORY EXPENSE			(1,452,144)	(794,069)	(97,147)	(1,848)	(335,195)	(204,494)	(1,866)	(244)	(5,519)	(11,890)	(74)	
ADJOM EXPIRING O&M AMORT-ENERGY REL			(69,244)	(37,864)	(4,632)	(88)	(15,983)	(9,751)	(79)	(12)	(263)	(567)	(4)	
ADJOM EXPIRING O&M AMORT-PROD DEM REL			303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669	9	
ADJOM EXPIRING O&M AMORT-LABOR REL			1,184,384	587,448	72,312	595	333,770	189,342	840	86	0	0	0	
ADJOM EXPIRING O&M AMORT-LABOR REL			185,167	101,254	12,368	236	42,742	26,075	212	31	704	1,516	9	
total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS			1,603,370	781,808	95,399	991	448,234	271,306	1,310	143	2,545	1,618	15	

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE												
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJOM MERGER RELATED- LAB RELATED	(3,703,904)	(2,025,387)	(247,789)	(4,714)	(854,962)	(521,590)	(4,248)	(622)	(14,076)	(30,327)	(189)	
ADJOM MERGER RELATED- CUST RELATED	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	
ADJOM SEVERANCE EXP	(23,366,311)	(12,777,281)	(1,563,190)	(29,736)	(5,393,585)	(3,290,485)	(26,801)	(3,922)	(88,798)	(191,322)	(1,191)	
ADJOM CREDIT CARD FEES	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288	
ADJOM VEG MANAGEMENT DISTRIBUTION	4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847	
ADJOM VEG MANAGEMENT TRANSMISSION	831,707	412,518	50,779	418	234,381	132,960	590	61	0	0	0	
ADJOM NCUC FEE - MISC REVENUE PLANT REL	(1,309)	(729)	(88)	(1)	(290)	(153)	(2)	(0)	(24)	(22)	(0)	
ADJOM NCUC FEE - MISC REVENUE CUST REL	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(5)	(0)	
Total MISC. REVENUE ADJ TO O&M	(5,389)	(4,205)	(552)	(19)	(402)	(154)	(4)	(2)	(24)	(26)	(0)	
ADJOM NCUC FEE	(233,877)	(127,890)	(15,646)	(298)	(53,985)	(32,935)	(268)	(39)	(889)	(1,915)	(12)	
ADJOM PLANT RETIREMENT - DEM	(1,490,601)	(739,323)	(91,008)	(749)	(420,062)	(238,294)	(1,057)	(109)	(0)	(0)	(0)	
ADJOM PLANT RETIREMENT - ENERGY	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	
ADJOM ONGOING EXP - ENERGY REL	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	
ADJOM ASHEVILLE CC DEFERRAL	6,109,335	3,030,170	373,002	3,070	1,721,653	976,665	4,331	445	0	0	0	
ADJOM UNCOLLECTIBLES	0	0	0	0	0	0	0	0	0	0	0	
TOTAL OTHER O&M ADJUSTMENTS	(211,150,594)	(117,372,035)	(24,528,227)	(559,685)	(48,722,612)	(18,205,298)	(142,169)	(53,257)	(1,045,553)	(517,156)	(4,601)	
TOTAL O&M ADJUSTMENTS	(225,689,974)	(115,204,036)	(19,499,838)	(477,255)	(28,058,386)	(60,625,563)	(57,940)	(55,356)	(1,154,661)	(552,172)	(4,766)	
ADJ O&M EXPENSE	1,865,534,138	923,120,873	112,728,471	2,134,529	505,785,214	290,745,555	2,367,934	291,295	15,353,158	12,923,558	83,551	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:												
PRODUCTION FUNCTION:												
DPE PRODUCTION RELATED		310,776,507	154,142,068	18,974,261	156,166	87,578,976	49,682,092	220,308	22,636	0	0	0
DPE EXT. DECOM. TRUST-PROD		17,337,167	8,599,063	1,058,510	8,712	4,885,734	2,771,595	12,290	1,263	0	0	0
DPE CONTRA AFUDC NC RET-PROD		(6,208,430)	(3,079,320)	(379,052)	(3,120)	(1,749,579)	(992,507)	(4,401)	(452)	(0)	(0)	(0)
DPE CONTRA AFUDC SC RET-PROD		0	0	0	0	0	0	0	0	0	0	0
DPE CONTRA AFUDC WHSL - PROD		0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-SCR		(4,932,690)	(2,446,565)	(301,162)	(2,479)	(1,390,066)	(788,561)	(3,497)	(359)	(0)	(0)	(0)
DPE HARRIS PLANT DISALLOW-NCR		0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLT. DISALLOW-NCMPA		0	0	0	0	0	0	0	0	0	0	0
DPE OTHER NC RETAIL SPECIFIC EXPENSE		(12,665,516)	(6,277,010)	(772,674)	(6,359)	(3,566,412)	(2,023,166)	(8,971)	(922)	(0)	(0)	(0)
DPE RATE DIFF. PROD.- SC		0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - WHSLE		0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD.- NCMPA		0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION PLT DEPR.		304,317,039	150,938,236	18,579,882	152,920	85,758,653	48,649,453	215,729	22,166	0	0	0
DPE TRANS RELATED - PROD		2,135,318	1,059,097	130,370	1,073	601,747	341,361	1,514	156	0	0	0
DPE TRANS RELATED - TRANS		26,640,447	13,213,398	1,626,515	13,387	7,507,463	4,258,858	18,885	1,940	0	0	0
DPE TRANS RELATED - SC RETAIL		0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - OATT CONTRA		0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - NC RETAIL		425	211	26	0	120	68	0	0	0	0	0
DPE DISTRIBUTION PLANT		151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124
DPE DISTRIBUTION DEPRN - SCR		0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM		1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179
DPE DISTRIBUTION DEPRN - SC STORM		0	0	0	0	0	0	0	0	0	0	0
DPE GENERAL PLANT		22,344,918	13,730,513	1,656,411	37,708	3,770,456	1,900,497	40,179	4,320	614,502	588,064	2,267
DPE GENERAL PLANT - SCR		0	0	0	0	0	0	0	0	0	0	0
DPE AMORT LTD TERM PLT		28,586,802	16,021,995	1,934,587	30,800	6,233,699	3,254,811	40,591	3,546	560,808	504,204	1,762
BOOK DEPRECIATION EXPENSE		536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333
DEPRECIATION EXPENSE ADJUSTMENTS:												
ADJDPE FUEL - CATALYST REL		(1,684,077)	(835,286)	(102,820)	(846)	(474,585)	(269,224)	(1,194)	(123)	(0)	(0)	(0)
ADJDPE REMOVE DSDR-TRANS		(6,967)	(3,456)	(425)	(4)	(1,963)	(1,114)	(5)	(1)	0	0	0
ADJDPE REMOVE DSDR-DIST		(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)
ADJDPE REMOVE DSDR-GEN		(632,841)	(388,868)	(46,912)	(1,068)	(106,785)	(53,825)	(1,136)	(122)	(17,404)	(16,655)	(64)
ADJDPE REMOVE DSDR-INT		(786,432)	(440,770)	(53,221)	(847)	(171,491)	(89,541)	(1,117)	(98)	(15,428)	(13,871)	(48)
Total DSDR ADJUSTMENT TO DEPRECIATION		(5,179,013)	(3,396,726)	(401,604)	(9,996)	(648,592)	(236,542)	(12,686)	(1,041)	(247,748)	(223,290)	(784)
ADJDPE REMOVE JAAR		(31,059,293)	(15,405,102)	(1,896,305)	(15,607)	(8,752,724)	(4,965,274)	(22,018)	(2,262)	(0)	(0)	(0)
ADJDPE YE DEPR EXP-PROD		40,075,973	19,877,286	2,446,813	20,138	11,293,687	6,406,720	28,410	2,919	0	0	0
ADJDPE YE DEPR EXP-TRANS		1,559,562	773,527	95,218	784	439,495	249,318	1,106	114	0	0	0
ADJDPE YE DEPR EXP-DIST		(3,441,320)	(2,350,869)	(276,061)	(7,406)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)
ADJDPE YE DEPR EXP-GEN		3,874,078	2,380,545	287,182	6,538	653,707	329,501	6,966	749	106,540	101,956	393
Total YE ADJUSTMENT TO DEPRECIATION		42,068,293	20,680,489	2,553,153	20,051	12,049,108	6,901,118	26,918	3,029	(90,540)	(74,810)	(222)

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
ADJDEP ADDITIONS TO EPIS - PROD	40,353,588	20,014,980	2,463,763	20,278	11,371,921	6,451,101	28,607	2,939	0	0	0					
ADJDEP ADDITIONS TO EPIS - TRANS	3,764,410	1,867,110	229,834	1,892	1,060,837	601,795	2,669	274	0	0	0					
ADJDEP ADDITIONS TO EPIS - DIST	17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196					
ADJDEP ADDITIONS TO EPIS - GEN	3,389,801	2,082,966	251,283	5,720	571,991	288,312	6,095	655	93,222	89,211	344					
ADJDEP ADDITIONS TO EPIS - INT	5,081,547	2,848,046	343,889	5,475	1,108,093	578,570	7,215	630	99,688	89,627	313					
Total ADDITIONS ADJUSTMENT TO DEPRECIATION	70,469,310	39,027,442	4,723,089	71,856	15,867,849	8,358,408	94,273	8,411	1,216,872	1,097,258	3,853					
ADJDEP NEW RATES - PROD	78,451,748	38,911,290	4,789,821	39,422	22,108,247	12,541,640	55,614	5,714	0	0	0					
ADJDEP NEW RATES - TRANS	5,080,519	2,519,887	310,188	2,553	1,431,726	812,194	3,602	370	0	0	0					
ADJDEP NEW RATES - DIST	(3,696,268)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)					
ADJDEP NEW RATES - GEN	9,764,896	6,000,337	723,864	16,479	1,647,717	830,531	17,559	1,888	268,542	256,988	991					
Total ADJUSTMENT FOR NEW DEPR. RATES	89,600,895	44,906,482	5,527,361	50,497	24,824,883	14,093,688	66,503	7,164	56,862	67,126	330					
ADJDEP REMOVE EXPIRING DEPR AMORT-PROD	(186,678)	(92,590)	(11,398)	(94)	(52,607)	(29,843)	(132)	(14)	(0)	(0)	(0)					
ADJDEP ANNUALIZE DEPR AMORT-GEN	2,648,952	1,627,729	196,365	4,470	446,981	225,301	4,763	512	72,848	69,714	269					
ADJDEP DECOMMISSIONING EXP	3,626,511	1,798,713	221,414	1,822	1,021,976	579,750	2,571	264	0	0	0					
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS	6,088,785	3,333,852	406,382	6,199	1,416,350	775,207	7,202	763	72,848	69,714	269					
ADJDEP MERGER IMPACTS - TRANS	(171,994)	(85,307)	(10,501)	(86)	(48,469)	(27,496)	(122)	(13)	0	0	0					
ADJDEP PLANT RETIREMENT - PROD	(180,604)	(89,578)	(11,027)	(91)	(50,895)	(28,872)	(128)	(13)	(0)	(0)	(0)					
TOTAL DEPR EXP ADJUSTMENTS	169,952,301	88,136,266	10,787,727	121,974	44,182,923	24,601,013	158,746	15,914	1,008,294	935,998	3,447					
ADJ DEPRECIATION EXPENSE	706,758,476	387,595,288	46,991,806	687,782	163,026,703	86,742,630	899,375	81,661	10,874,764	9,823,688	34,779					

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER AMORTIZATION EXPENSE:												
AMORT WHS SPEC - MAYO, RECS	0	0	0	0	0	0	0	0	0	0	0	0
AMORT NUCLEAR DESIGN BASIS	443,799	220,120	3,893,605	27,096	223	125,066	70,948	315	32	0	0	0
AMORT NCEMPA ACQ ADJ	7,850,168	3,893,605	479,287	3,945	2,212,232	1,254,962	1,872,630	5,565	572	0	0	0
AMORT DSM/E E DEBIT	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	198,443	66,851	819	0
AMORT DSM/E E CREDIT	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(34,358)	(11,575)	(142)	(142)
AMORT DSM/E E O&M DEFERRAL	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,684)	(39,645)	(486)	(486)
AMORT DSM/E E CAPITAL DEFERRAL	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)	(65)
AMORT NC REPS DEBIT	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)	(2,793)
AMORT NC REPS DEFERRAL	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,696	90,183	3,870	3,870
AMORT SC DERP AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT SC POLLUTION CNTL DPE DEF	0	0	0	0	0	0	0	0	0	0	0	0
AMORT RETIRED PLANT	17,628,029	8,743,328	1,076,268	8,858	4,967,701	2,818,094	12,496	1,284	0	0	0	0
AMORT OTHER NC RETAIL PROD REL	14,076,338	6,981,724	859,422	7,073	3,966,810	2,250,305	9,979	1,025	0	0	0	0
AMORT SC DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT WHL DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT NC STORM DEFERRAL	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	3,950
AMORT NC EDIT	(3,272,588)	(1,822,515)	(220,279)	(3,433)	(723,826)	(382,124)	(4,521)	(398)	(60,691)	(54,610)	(191)	(191)
AMORT RETIRED METERS	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	132
AMORT COR	575,758	285,570	35,153	289	162,253	92,043	408	42	0	0	0	0
AMORT NC RETAIL CONTINUING	1,994,356	1,110,663	134,241	2,092	441,109	232,871	2,755	243	36,986	33,280	116	116
AMORT OTHER NC RETAIL SPECIFIC	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	1,312
AMORT OTHER SC RETAIL SPECIFIC	0	0	0	0	0	0	0	0	0	0	0	0
AMORT DISP. OF ALLOWANCES	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	(3)
BOOK OTHER AMORTIZATIONS												
ADJAM REMOVE DSM	(18,966,211)	(11,842,897)	(1,379,490)	(22,586)	(5,359,037)	(288,830)	(28,926)	(3,400)	(30,607)	(10,311)	(126)	(126)
ADJAM REMOVE REPS	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)	(1,078)
ADJAM REMOVE NC EDIT IMPACT	3,272,588	1,822,515	220,279	3,433	723,826	382,124	4,521	398	60,691	54,610	191	191
AMORT NC DEFERRED ASH AMORTIZATION	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066	735,897	233,875	3,091	3,091
ADJAM AMORT ANNUALIZATION - PROD												
ADJAM AMORT ANNUALIZATION - ENERGY	1,292,251	640,944	78,898	649	364,165	206,585	916	94	0	0	0	0
ADJAM AMORT ANNUALIZATION - STORMS	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114	114
ADJAM AMORT ANNUALIZATION - PLANT	(12,756,001)	(10,258,210)	(1,271,288)	(39,954)	(951,474)	(172,958)	(25,232)	(5,200)	(16,116)	(15,372)	(2,195)	(2,195)
ADJAM AMORT ANNUALIZATION - PLANT	(1,994,356)	(1,110,663)	(134,241)	(2,092)	(441,109)	(232,871)	(2,755)	(243)	(36,986)	(33,280)	(116)	(116)
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS												
ADJAM EOL NUCLEAR FUEL	(9,568,245)	(9,045,976)	(1,129,738)	(38,207)	97,914	643,711	(22,744)	(4,869)	(26,076)	(40,063)	(2,198)	(2,198)
ADJAM EOL NUCLEAR SUPPLIES	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(38)	(38)
ADJAM EOL NUCLEAR SUPPLIES	1,210,858	600,574	73,928	608	341,228	193,573	858	88	0	0	0	0
ADJAM STORM DEFERRAL AMORT - DISTR	40,252,964	32,365,836	4,011,060	126,061	3,002,011	545,703	79,611	16,408	50,849	48,501	6,924	6,924
ADJAM STORM DEFERRAL AMORT - TRANS	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0	0	0	0
ADJAM STORM DEFERRAL AMORT - PROD	228,828	113,496	13,971	115	64,485	36,581	162	17	0	0	0	0
ADJAM AMORT ASHEVILLE CC	13,593,762	6,742,371	829,958	6,831	3,830,816	2,173,158	9,637	990	0	0	0	0
TOTAL OTHER AMORT ADJUSTMENTS	131,416,004	65,414,469	5,156,828	42,674	33,015,273	26,845,400	152,331	11,131	512,507	258,625	6,767	6,767
ADJ OTHER AMORTIZATIONS												
ADJ OTHER AMORTIZATIONS	264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170	399,402	13,287	13,287



DUKE ENERGY PROGRESS, LLC

Item No. 458 COS "Proforma Adjusted"

DOCKET NO. E-2 Sub 1219, E1 Item #458 "Proforma Adjusted at Current Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
OTHER TAXES												
OT LABOR RELATED												
OT LABOR RELATED - DSM/EE	26,065,158	14,253,079	1,743,741	33,171	6,016,553	3,670,541	29,897	4,375	99,054	213,420	1,329	1
OT LABOR RELATED - DERP	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	0	0
OT PROPERTY TAX - PROD	0	0	0	0	0	0	0	0	0	0	0	0
OT PROPERTY TAX - TRAMS	39,881,401	19,780,780	2,434,933	20,040	11,238,855	6,375,615	28,272	2,905	0	0	0	0
OT PROPERTY TAX - DISTR	6,386,407	3,167,595	389,918	3,209	1,799,734	1,020,959	4,527	465	0	0	0	0
OT PROPERTY TAX - GEN	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526	217
OT FED HEAVY VEHICLE USE TAX	2,140,751	1,315,449	158,692	3,613	361,228	182,077	3,849	414	58,872	56,339	7	7
OT ELECTRIC EXCISE TAX - SC	48,458	31,126	3,684	87	6,633	2,658	113	9	2,183	1,958	0	0
OT PRIVILEGE TAX	0	0	0	0	0	0	0	0	0	0	0	0
OT PUC LICENSE TAX - SC	12,243,595	6,818,499	824,120	12,844	2,708,021	1,429,623	16,914	1,489	227,060	204,312	715	715
OT MISC TAXES: NC	0	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: SC	(4,517,029)	(2,515,549)	(304,042)	(4,736)	(999,070)	(527,431)	(6,240)	(549)	(83,769)	(75,377)	(264)	(264)
OT MISC TAXES: OTHER STATES	0	0	0	0	0	0	0	0	0	0	0	0
	949	529	64	1	210	111	1	0	18	16	0	0
BOOK OTHER TAXES												
	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531	
OTHER TAX ADJUSTMENTS:												
ADJOT REMOVE DSM - PLANT RELATED	(410,137)	(229,869)	(27,756)	(442)	(89,435)	(46,697)	(582)	(51)	(8,046)	(7,234)	(25)	(25)
ADJOT REMOVE JAAR PLANT REL TAX	(3,745,118)	(1,857,542)	(228,656)	(1,882)	(1,055,400)	(598,711)	(2,655)	(273)	(0)	(0)	(0)	(0)
ADJOT REMOVE DSM	(223,168)	(139,351)	(16,232)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)	(1)
ADJOT REMOVE JAAR PAYROLL TAX	(2,079,727)	(1,031,524)	(126,976)	(1,045)	(586,082)	(332,474)	(1,474)	(151)	(0)	(0)	(0)	(0)
Total NON-FUEL CLAUSE ADJ. TO OTHER TAX	(6,458,150)	(3,256,285)	(399,620)	(3,635)	(1,793,975)	(981,281)	(5,052)	(515)	(8,406)	(7,355)	(27)	(27)
ADJOT PROPERTY TAX	4,063,669	2,277,557	275,005	4,378	886,132	482,678	5,770	504	79,720	71,674	250	250
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS	6,600,408	3,699,319	446,677	7,111	1,439,299	751,504	9,372	819	129,485	116,416	407	407
ADJOT PAYROLL TAX	(1,089,271)	(595,641)	(72,872)	(1,386)	(251,434)	(153,383)	(1,249)	(183)	(4,140)	(8,919)	(56)	(56)
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ	(17,711)	(9,685)	(1,185)	(23)	(4,088)	(2,494)	(20)	(3)	(67)	(145)	(1)	(1)
ADJOT REMOVE EXPIRING OTH TAX - PROD	(22,074)	(10,948)	(1,348)	(11)	(6,221)	(3,529)	(16)	(2)	(0)	(0)	(0)	(0)
ADJOT REMOVE EXPIRING OTH TAX - LAB	26,771	14,639	1,791	34	6,179	3,770	31	4	102	219	1	1
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS	4,697	3,690	443	23	(41)	241	15	3	102	219	1	1
ADJOT REMOVE MERGER RELATED - PROPERTY TAX	(53,053)	(26,314)	(3,239)	(27)	(14,951)	(8,481)	(38)	(4)	0	0	0	0
ADJOT PLANT RETIREMENT PROP TAX - PROD	(1,032,164)	(511,943)	(63,018)	(519)	(290,871)	(165,006)	(732)	(75)	(0)	(0)	(0)	(0)
TOTAL OTHER TAX ADJUSTMENTS												
	2,018,425	1,578,700	182,192	5,924	(29,928)	(96,233)	8,066	546	196,694	171,889	575	575
ADJ OTHER TAXES												
	104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107	
BOOK OPERATING EXPENSE SUMMARY:												
BOOK O&M EXPENSE	2,091,224,112	1,036,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	86,317	
BOOK DEPRECIATION EXPENSE	536,806,174	299,459,022	36,204,079	566,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333	
BOOK OTHER AMORTIZATIONS	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520	
BOOK OTHER TAXES	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531	
TOT OP EXPENSE BEFORE INC TAX - BOOK	2,863,208,640	1,466,805,677	186,621,637	3,561,203	707,981,294	442,844,965	3,461,105	458,617	28,424,307	23,918,136	131,701	
OP INCOME BEFORE INC. TAX	794,294,808	383,404,922	54,778,982	811,891	201,590,906	112,095,004	1,840,844	56,244	36,532,604	3,107,931	75,481	

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
TEMPORARY DIFFERENCES:												
TXD INTEREST CHARGES	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
TOTAL OPERATING INTEREST DEDUCTIONS	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
BOOK OPERATING INTEREST DEDUCTIONS	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
TAXABLE INCOME BEFORE SIT	582,633,440	265,530,000	40,532,001	589,858	154,775,939	87,380,380	1,548,448	30,498	32,607,308	(424,113)	63,121	

DUKE ENERGY PROGRESS, LLC

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
CURRENT INCOME TAXES:											
TOTAL STATE INCOME TAX - PB BLENDED	(2,916,502)	(1,329,170)	(202,892)	(2,953)	(774,766)	(437,402)	(7,751)	(153)	(163,223)	2,123	(316)
FEDERAL INCOME TAX-PER BOOKS	(49,091,019)	(22,372,795)	(3,415,110)	(49,700)	(13,040,976)	(7,362,420)	(130,468)	(2,570)	(2,747,398)	35,735	(5,318)
INVESTMENT TAX CREDITS:											
ITC - PRODUCTION RELATED	(1,752,841)	(869,392)	(107,019)	(881)	(493,963)	(280,217)	(1,243)	(128)	(0)	(0)	(0)
ITC - TRANSMISSION RELATED	(164,777)	(81,076)	(9,980)	(82)	(46,065)	(27,447)	(116)	(12)	(0)	(0)	(0)
ITC - DISTRIBUTION RELATED	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)
ITC - GENERAL RELATED	(69,476)	(42,692)	(5,150)	(117)	(11,723)	(5,909)	(125)	(13)	(1,911)	(1,828)	(7)
ITC - HARRIS DISALLOW.- NCR	213,806	106,046	13,054	107	60,252	34,180	152	16	0	0	0
ITC - HARRIS DISALLOW.- SCR	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.- WHSLE	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.- NCEMPA	0	0	0	0	0	0	0	0	0	0	0
BOOK INVESTMENT TAX CREDITS	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEFERRED INCOME TAXES:											
BOOK DEFERRED INCOME TAXES	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875
BOOK DEFERRED INCOME TAXES	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875
NET CURR & DEF STATE & FED INC TAX ADJUSTMENTS:											
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	(91,710,097)	(46,226,654)	(8,101,164)	(139,431)	(22,384,701)	(15,021,218)	(61,083)	(3,648)	50,623	177,157	24
ADJ IT REMOVE NC EDIT RIDER	18,743,332	8,542,107	1,303,915	18,976	4,979,146	2,811,029	49,814	981	1,048,978	(13,644)	2,031
ADJ IT CHANGE IN NC TAX RATE	(2,182,711)	(994,751)	(151,844)	(2,210)	(579,835)	(327,352)	(5,801)	(114)	(122,156)	1,589	(236)
ADJ IT INTEREST SYNCHRONIZATION	122,855	68,419	8,269	129	27,173	14,345	170	15	2,278	2,050	7
ADJ IT CASH WK CAP INTEREST SYNCHRONIZATION	122,210	68,059	8,226	128	27,030	14,270	169	15	2,266	2,039	7
ADJ IT ITC ADJUSTMENT - PROD	(929,837)	(461,190)	(56,771)	(467)	(262,035)	(148,648)	(659)	(68)	(0)	(0)	(0)
ADJ IT ITC ADJUSTMENT - TRANS	(152,682)	(75,729)	(9,322)	(77)	(43,027)	(24,408)	(108)	(11)	0	0	0
ADJ IT ITC ADJUSTMENT - DISTR	(382,060)	(260,997)	(30,649)	(822)	(37,501)	(9,373)	(1,062)	(84)	(21,880)	(19,625)	(68)
ADJ IT ITC ADJUSTMENT - GEN	(15,965)	(9,810)	(1,183)	(27)	(2,694)	(1,358)	(29)	(3)	(439)	(420)	(2)
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	(76,384,954)	(39,350,546)	(7,030,522)	(123,802)	(18,276,443)	(12,692,713)	(18,590)	(2,917)	959,671	149,146	1,762
ADJ NET CURR & DEF STATE & FED INC TAXES	36,601,248	12,141,909	829,577	(9,415)	11,738,218	4,252,379	281,690	2,997	7,282,987	66,901	14,003
TOTAL OPER EXPENSE - PB	2,974,060,928	1,516,164,664	194,343,712	3,673,841	737,469,059	459,501,817	3,759,051	464,315	34,725,060	23,815,539	143,870
TOTAL OPER EXPENSE - ADJ	2,975,372,729	1,516,739,516	183,940,099	3,243,356	768,302,498	437,533,721	4,001,663	433,632	36,247,564	24,779,025	151,655

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>PRODUCTION PLANT IN SERVICE:</b>											
PRODUCTION PLANT	10,776,509,396	5,345,041,888	657,952,889	5,415,209	3,036,895,110	1,722,779,936	7,639,428	784,936	0	0	0
CONTRA AFUDC - WHS	0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL	(321,021,266)	(159,223,367)	(19,599,746)	(161,314)	(90,466,020)	(51,319,864)	(227,571)	(23,382)	(0)	(0)	(0)
CONTRA AFUDC - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(192,412,520)	(23,685,198)	(194,938)	(109,323,117)	(62,017,181)	(275,007)	(28,256)	(0)	(0)	(0)
HARRIS DISALLOWANCE - SC	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA	0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC	(11,032,277)	(5,471,900)	(673,569)	(5,544)	(3,108,972)	(1,763,668)	(7,821)	(804)	(0)	(0)	(0)
CWIP IN RATE BASE - NC RETAIL	102,930,000	51,052,260	6,284,325	51,722	29,006,388	16,454,840	72,967	7,497	0	0	0
<b>TOTAL PRODUCTION PLANT</b>	<b>10,159,449,637</b>	<b>5,038,986,362</b>	<b>620,278,700</b>	<b>5,105,136</b>	<b>2,863,003,389</b>	<b>1,624,134,063</b>	<b>7,201,997</b>	<b>739,990</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TRANSMISSION PLANT IN SERVICE:</b>											
TRANSMISSION PLANT - TRAN	1,513,105,622	750,485,397	92,381,696	760,337	426,403,661	241,891,684	1,072,635	110,211	0	0	0
TRANSMISSION PLANT - PROD	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0
TRANS PLANT - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSL/PA	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL TRANSMISSION PLANT</b>	<b>1,643,262,895</b>	<b>808,538,677</b>	<b>99,527,818</b>	<b>819,153</b>	<b>459,387,823</b>	<b>273,715,080</b>	<b>1,155,608</b>	<b>118,736</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>DISTRIBUTION PLANT IN SERVICE</b>											
<b>SUBSTATIONS:</b>											
SUBSTATIONS - RETAIL	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL DIST SUBSTATIONS</b>	<b>766,620,272</b>	<b>490,669,122</b>	<b>45,887,825</b>	<b>180,868</b>	<b>147,152,526</b>	<b>73,301,129</b>	<b>4,715,814</b>	<b>26,631</b>	<b>3,210,223</b>	<b>1,020,239</b>	<b>455,894</b>
<b>OVERHEAD LINES:</b>											
PRIMARY POLES - CUSTOMER	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872
PRIMARY POLES - DEMAND	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682
SECONDARY POLES - CUSTOMER	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0
SECONDARY POLES - DEMAND	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0
PRIMARY CONDUCTOR - CUST	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417
PRIMARY CONDUCTOR - DEMAND	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950
PRIMARY COND - ADDL FAC RETAIL	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0
PRIMARY COND - ADDL FAC WHSL	0	0	0	0	0	0	0	0	0	0	0
SECONDARY COND - CUSTOMER	105,432,830	90,157,194	12,022,066	451,617	2,596,177	0	28,625	58,603	0	118,558	0
SECONDARY COND - DEMAND	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0
<b>TOTAL DIST OVERHEAD LINES</b>	<b>1,615,678,121</b>	<b>1,299,103,638</b>	<b>160,996,393</b>	<b>5,059,839</b>	<b>120,495,082</b>	<b>21,903,503</b>	<b>3,195,436</b>	<b>658,585</b>	<b>2,040,969</b>	<b>1,946,754</b>	<b>277,922</b>
<b>UNDERGROUND LINES:</b>											
U/G LINES - PRIMARY CUSTOMER	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305
U/G LINES - SECONDARY CUSTOMER	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0
U/G LINES - PRIMARY DEMAND	386,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251
U/G LINES - SECONDARY DEMAND	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0
<b>TOTAL DIST UNDERGRND LINES</b>	<b>1,180,375,674</b>	<b>921,954,349</b>	<b>107,709,679</b>	<b>2,843,400</b>	<b>122,461,822</b>	<b>17,528,706</b>	<b>3,232,750</b>	<b>371,430</b>	<b>2,502,294</b>	<b>1,504,688</b>	<b>266,556</b>



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>LINE TRANSFORMERS:</b>											
LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST LINE TRNSFRMS	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656
<b>SERVICES:</b>											
SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
TOTAL DIST SERVICES	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
<b>METERS:</b>											
METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST METERS	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855
STREET LIGHTS	305,063,146	0	0	0	0	0	0	0	0	305,063,146	0
AREA LIGHTS	335,794,236	0	0	0	0	0	0	0	335,794,236	0	0
DISTR PLANT SUBTOTAL	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883
<b>TOTAL DISTRIBUTION PLANT</b>											
	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883
<b>GENERAL PLANT:</b>											
GENERAL PLANT - PROD	17,310,685	8,585,928	1,056,893	8,699	4,878,271	2,767,362	12,271	1,261	0	0	0
GENERAL PLANT - T/D	271,039,956	174,085,476	20,605,270	487,738	37,102,901	14,869,678	633,064	50,812	12,207,585	10,949,327	38,104
GENERAL PLANT - CUST/SALES	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177
GENERAL PLANT - LABOR	155,837,215	85,215,676	10,425,403	198,321	35,971,498	21,945,268	178,745	26,154	592,220	1,275,986	7,944
TOTAL GENERAL PLANT	465,434,827	286,000,548	34,502,320	785,442	78,536,936	39,586,517	836,919	89,994	12,799,805	12,249,120	47,225
TOTAL TANGIBLE PLANT	18,320,410,007	10,268,007,878	1,239,817,929	19,738,722	3,994,987,677	2,085,909,215	26,013,247	2,272,661	359,404,723	323,128,847	1,129,107
<b>INTANGIBLE PLANT:</b>											
INTANGIBLE PLT	358,178,329	200,747,576	24,239,409	385,907	78,105,130	40,781,155	508,579	44,432	7,026,643	6,317,421	22,075
BOOK PLANT IN SERVICE	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE													
NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
PLANT IN SERVICE ADJUSTMENTS:													
ADJPLT DSDR TRANSMISSION	(362,199)	(179,647)	(22,114)	(182)	(102,070)	(57,903)	(257)	(26)	0	0			0
ADJPLT DSDR DISTRIBUTION	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(14,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)			(25,744)
ADJPLT DSDR GENERAL	(12,701,020)	(7,804,527)	(941,517)	(21,434)	(2,143,155)	(1,080,257)	(22,838)	(2,456)	(349,288)	(334,260)			(1,289)
ADJPLT DSDR INTANGIBLE	(22,305,852)	(12,501,722)	(1,509,529)	(24,033)	(4,864,062)	(2,539,680)	(31,672)	(2,767)	(437,590)	(393,423)			(1,375)
Total DSDR ADJ TO PLANT IN SERVICE	(179,383,279)	(118,866,324)	(14,025,898)	(355,674)	(21,244,995)	(7,210,783)	(454,970)	(36,753)	(9,034,377)	(8,125,098)			(28,407)
ADJPLT REMOVE JAAR EPIS	(771,579,130)	(382,695,604)	(47,108,270)	(387,719)	(217,436,352)	(123,348,015)	(546,970)	(56,200)	(0)	(0)			(0)
ADJPLT ADDITIONS TO EPIS PROD	859,879,589	426,491,756	52,499,398	432,091	242,320,033	137,464,113	609,565	62,632	0	0			0
ADJPLT ADDITIONS TO EPIS TRANS	168,807,606	83,726,900	10,306,440	84,826	47,571,154	26,986,322	119,667	12,296	0	0			0
ADJPLT ADDITIONS TO EPIS DIST	732,785,417	500,587,715	58,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159			130,990
ADJPLT ADDITIONS TO EPIS GEN	59,055,772	36,288,610	4,377,758	99,659	9,965,003	5,022,856	106,191	11,419	1,624,078	1,554,205			5,992
ADJPLT ADDITIONS TO EPIS INT	25,407,735	14,240,228	1,719,447	27,375	5,540,465	2,892,852	36,077	3,152	498,442	448,133			1,566
ADJPLT REMOVE ASHEVILLE CWP IN RATEBASE	(102,930,389)	(51,052,453)	(6,284,349)	(51,723)	(29,006,498)	(16,454,902)	(72,967)	(7,497)	(0)	(0)			(0)
Total ADDITIONS ADJ TO PLANT IN SERVICE	1,743,005,729	1,010,282,757	121,402,327	2,169,730	348,316,673	173,887,866	2,834,881	242,298	44,088,152	39,642,497			138,548
ADJPLT PLANT RETIREMENT - PROD	(287,052,397)	(142,375,145)	(17,525,801)	(144,244)	(80,893,357)	(45,889,452)	(203,490)	(20,908)	(0)	(0)			(0)
Total ADJ for OTHER CLAUSES	(950,962,409)	(501,561,928)	(61,134,169)	(743,394)	(238,681,346)	(130,558,798)	(1,001,940)	(92,953)	(9,034,377)	(8,125,098)			(28,407)
EPIS ADJUSTMENTS													
ADJ PLANT IN SERVICE	504,990,922	366,345,684	42,742,357	1,282,092	28,741,970	(2,560,384)	1,629,451	128,437	35,053,775	31,517,399			110,141
ADJ PLANT IN SERVICE	19,183,579,258	10,835,101,138	1,306,799,696	21,406,721	4,101,834,777	2,124,129,985	28,151,277	2,445,530	401,485,141	360,963,668			1,261,324

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

TEST YEAR ENDING December 31, 2018

Item No. 45B COS "Proforma Adjusted"

NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RESERVE FOR DEPRECIATION											
PRODUCTION FUNCTION:											
DPR PRODUCTION RELATED	(4,543,207,819)	(2,253,386,065)	(277,382,648)	(2,282,968)	(1,280,307,482)	(726,297,077)	(3,220,663)	(330,917)	(0)	(0)	(0)
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF .NCEMPA -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC, NC RET -PROD	238,121,493	118,105,901	14,538,355	119,656	67,104,289	38,067,144	168,803	17,344	0	0	0
DPR CONTRA AFUDC, SC RET -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC, WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW, - NC	254,433,596	126,196,543	15,534,280	127,853	71,701,153	40,674,868	180,367	18,532	0	0	0
DPR HARRIS DISALLOW, - SC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW, - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW, - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(168,688,680)	(20,764,889)	(170,903)	(95,843,931)	(54,370,663)	(241,099)	(24,772)	(0)	(0)	(0)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION RESERVE	(4,390,757,667)	(2,177,772,300)	(268,074,901)	(2,206,361)	(1,237,345,972)	(701,925,729)	(3,112,592)	(319,812)	(0)	(0)	(0)
TRANSMISSION FUNCTION:											
DPR TRANS RELATED - PROD	(36,728,095)	(18,216,771)	(2,242,410)	(18,456)	(10,350,232)	(5,871,514)	(26,036)	(2,675)	(0)	(0)	(0)
DPR TRANS RELATED - TRANS	(451,883,014)	(224,129,498)	(27,589,428)	(227,072)	(127,343,768)	(72,239,995)	(320,338)	(32,914)	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION RESERVE	(488,611,108)	(242,346,269)	(29,831,839)	(245,528)	(137,694,000)	(78,111,509)	(346,375)	(35,589)	(0)	(0)	(0)
DISTRIBUTION FUNCTION:											
DPR DISTRIBUTION RELATED	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
TOTAL DISTRIBUTION RESERVE	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
GENERAL FUNCTION:											
DPR GENERAL RELATED	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)
TOTAL GENERAL RESERVE	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)
INTANGIBLE:											
TOTAL LIMITED TERM PLT RESERVE	(219,259,910)	(122,888,215)	(14,838,225)	(236,234)	(47,812,284)	(24,964,303)	(311,328)	(27,199)	(4,301,380)	(3,867,228)	(13,513)
BOOK DEPRECIATION RESERVE	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"

Item No. 45B COS "Proforma Adjusted"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM												
DEPRECIATION RESERVE ADJUSTMENTS:												
COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADJDDPR DSDR Trans	60,165	29,841	3,673	30	16,955	9,618	43	4	0	0	0	0
ADJDDPR DSDR Dist	38,449,890	26,266,274	3,084,428	82,773	3,774,047	943,249	106,849	8,411	2,201,973	1,975,012	6,873	6,873
ADJDDPR DSDR Gen	3,620,619	2,224,799	268,394	6,110	610,939	307,944	6,510	700	99,570	95,286	367	367
ADJDDPR DSDR INT	22,026,348	12,345,068	1,490,614	23,732	4,803,112	2,507,857	31,275	2,732	432,107	388,493	1,358	1,358
ADJDDPR YE DEPR RES-JAAR	94,576,975	46,909,243	5,774,337	47,525	26,652,448	15,119,489	67,045	6,889	0	0	0	0
Total DSDR ADJ TO DEPRECIATION RESERVE	158,733,998	87,775,226	10,621,446	160,170	35,857,501	18,888,157	211,723	18,737	2,733,650	2,458,791	8,598	8,598
ADJDDPR ADDITIONS TO EPIS- PROD	(226,207,584)	(112,196,720)	(13,810,959)	(113,670)	(63,746,866)	(36,162,534)	(160,358)	(16,476)	(0)	(0)	(0)	(0)
ADJDDPR ADDITIONS TO EPIS- TRANS	(15,529,281)	(7,702,370)	(948,130)	(7,803)	(4,376,259)	(2,482,579)	(11,009)	(1,131)	0	0	0	0
ADJDDPR ADDITIONS TO EPIS- DIST	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)	(22,676)
ADJDDPR ADDITIONS TO EPIS- GEN	23,341,452	14,342,863	1,730,284	39,330	3,938,610	1,985,255	41,971	4,513	641,907	614,291	2,368	2,368
ADJDDPR ADDITIONS TO EPIS- INT	(38,223,039)	(21,422,799)	(2,586,711)	(41,182)	(8,334,997)	(4,351,965)	(54,273)	(4,742)	(749,849)	(674,164)	(2,356)	(2,356)
Total ADDITIONS ADJ TO DEPRECIATION RESERVE	(383,472,768)	(213,637,017)	(25,791,699)	(396,351)	(84,970,892)	(44,123,802)	(536,186)	(45,585)	(7,372,717)	(6,575,856)	(22,663)	(22,663)
ADJDDPR YE DEPR RES-MERGER TRANS	347,209	172,212	21,199	174	97,846	55,506	246	25	0	0	0	0
ADJDDPR NEW RATES - PROD	(77,578,786)	(38,478,309)	(4,736,523)	(38,983)	(21,862,240)	(12,402,084)	(54,995)	(5,651)	(0)	(0)	(0)	(0)
ADJDDPR NEW RATES - TRANS	(5,080,519)	(2,519,887)	(310,188)	(2,553)	(1,431,726)	(812,194)	(3,602)	(370)	0	0	0	0
ADJDDPR NEW RATES - DIST	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661	661
ADJDDPR NEW RATES - GEN	(9,764,896)	(6,000,337)	(723,864)	(16,479)	(1,647,717)	(830,531)	(17,559)	(1,888)	(268,542)	(256,988)	(991)	(991)
Total ADJUSTMENT FOR NEW DEPR. RATES	(88,727,933)	(44,473,501)	(5,474,063)	(50,058)	(24,578,876)	(13,954,133)	(65,884)	(7,100)	(56,862)	(67,126)	(330)	(330)
ADJDDPR PLANT RETIREMENT - PROD	210,671,327	104,490,891	12,862,403	105,863	59,368,641	33,678,840	149,344	15,345	0	0	0	0
TOTAL DEPR RESERVE ADJUSTS	(102,448,167)	(65,672,190)	(7,760,713)	(180,202)	(14,225,780)	(5,455,432)	(240,757)	(18,579)	(4,695,929)	(4,184,191)	(14,395)	(14,395)
ADJ DEPRECIATION RESERVE	(8,144,507,672)	(4,610,909,251)	(555,870,573)	(9,147,081)	(1,734,745,936)	(890,172,276)	(12,068,936)	(1,041,909)	(173,871,053)	(156,136,178)	(544,479)	(544,479)
BOOK NET PLANT IN SERVICE	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099	621,099

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #458 "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 458 CCS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
ADJNUC NUC FUEL - JAAR	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)
ADJ NUCLEAR FUEL INVENTORY	202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,496,974	236,601	26,397	1,598,938	508,158	6,716
ACCUM DEFERRED INCOME TAXES:											
DFTR NC CLEAN AIR	17,880,376	8,868,489	1,091,675	8,985	5,038,814	2,858,435	12,675	1,302	0	0	0
DFTR ALL PLANT RELATED	(1,702,255,973)	(947,992,030)	(114,579,285)	(1,785,672)	(376,502,608)	(198,763,797)	(2,351,552)	(207,052)	(31,566,627)	(28,405,950)	(99,400)
DFTR TRANSMISSION RELATED	0	0	0	0	0	0	0	0	0	0	0
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0
SC RETAIL - HARRIS ACCELERATED DEPR UNWIND	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT NC RETAIL - FED TAX CHANGE	272,646,772	151,837,897	18,351,924	286,007	60,303,634	31,835,581	376,643	33,163	5,056,281	4,549,721	15,921
DFTR EDIT SC RETAIL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
BOOK ACCUM DEFERRED INC TAX											
	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)
ADJDFTR REMOVE DSM	50,920,087	31,795,563	3,703,625	60,637	14,387,832	775,446	77,659	9,129	82,174	27,683	339
ADJDFTR REMOVE REPS	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)
ADJDFTR REMOVE JAAR: PLANT REL	43,070,485	23,986,097	2,899,085	45,181	9,526,270	5,029,122	59,499	5,239	798,749	718,727	2,515
ADJDFTR REMOVE DSDR - TRANS PLANT	46,094	22,862	2,814	23	12,990	7,369	33	3	0	0	0
ADJDFTR REMOVE DSDR - DISTR PLANT	18,048,049	12,329,164	1,447,804	38,853	1,771,505	442,753	50,154	3,948	1,033,587	927,054	3,226
ADJDFTR REMOVE DSDR - GEN PLANT	1,591,708	978,074	117,992	2,686	268,583	135,379	2,862	308	43,773	41,890	162
ADJDFTR REMOVE DSDR - INTANG PLANT	2,795,399	1,566,732	189,176	3,012	609,571	318,276	3,969	347	54,839	49,304	172
Total ADJUSTMENT FOR OTHER CLAUSES TO ACC DEF INC TAX											
	90,146,324	61,861,459	(3,666,654)	(338,673)	22,979,920	6,591,995	155,960	(28,075)	925,172	1,663,163	2,058
ADJDFTR ADDITIONS TO EPIS - PROD	(22,312,384)	(11,066,721)	(1,362,268)	(11,212)	(6,287,785)	(3,566,955)	(15,817)	(1,625)	(0)	(0)	(0)
ADJDFTR ADDITIONS TO EPIS - TRANS	(1,233,456)	(611,782)	(75,308)	(620)	(347,596)	(197,186)	(874)	(90)	0	0	0
ADJDFTR ADDITIONS TO EPIS - DIST	(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)
ADJDFTR ADDITIONS TO EPIS - GEN	(1,390,184)	(854,241)	(103,053)	(2,346)	(234,578)	(118,239)	(2,500)	(269)	(38,231)	(36,586)	(141)
ADJDFTR ADDITIONS TO EPIS - INT	(187,273)	(104,961)	(12,674)	(202)	(40,837)	(21,322)	(266)	(23)	(3,674)	(3,303)	(12)
Total ADDITIONS ADJ TO ACC DEF INC TAX											
	(31,249,158)	(16,822,464)	(2,044,716)	(27,567)	(7,512,080)	(4,053,981)	(36,480)	(3,347)	(392,725)	(354,549)	(1,248)
ADJDFTR ADIT RELATED TO ASH DEFERRAL	(98,211,506)	(42,444,282)	(4,968,618)	(80,514)	(28,423,110)	(21,272,057)	(109,193)	(12,109)	(682,009)	(216,749)	(2,865)
ADJDFTR RATE CASE EXP DEFERRAL	(618,649)	(344,528)	(41,641)	(649)	(136,832)	(72,236)	(855)	(75)	(11,473)	(10,324)	(36)
ADJDFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS	19,427,691	10,819,346	1,307,683	20,380	4,296,990	2,268,473	26,838	2,363	360,290	324,194	1,134
ADJDFTR SEVERANCE DEFERRAL	(5,397,808)	(2,951,656)	(361,110)	(6,869)	(1,245,962)	(760,129)	(6,191)	(906)	(20,513)	(44,197)	(275)
ADJDFTR ADIT RELATED TO STORM DEFERRAL	(141,806,512)	(114,021,075)	(14,402,498)	(444,097)	(10,575,737)	(1,922,449)	(280,460)	(57,803)	(179,134)	(170,865)	(24,393)
ADJDFTR ADIT RETIRED PLANT - PROD	(15,275,253)	(7,576,375)	(932,621)	(7,676)	(4,304,673)	(2,441,969)	(10,829)	(1,113)	(0)	(0)	(0)
ADJDFTR ADIT ASHEVILLE CC	(6,299,159)	(3,124,320)	(384,591)	(3,165)	(1,775,147)	(1,007,011)	(4,465)	(459)	(0)	(0)	(0)
TOTAL ACCUM DEF TAX ADJUSTS											
	(189,284,031)	(114,603,895)	(25,222,767)	(888,831)	(26,696,631)	(22,669,365)	(265,676)	(101,525)	(392)	1,190,674	(25,624)
ADJ ACCUM DEFERRED INC TAX	(1,521,911,942)	(862,656,269)	(115,528,998)	(2,339,762)	(315,565,605)	(174,093,727)	(2,171,835)	(268,350)	(26,512,739)	(22,665,555)	(109,103)



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45B COS "Proforma Adjusted"  
NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
REGULATORY ASSETS:											
RA SFAS 109	99,473,378	55,397,056	6,695,579	104,348	22,001,383	11,615,002	137,416	12,099	1,844,751	1,659,936	5,809
RA SFAS 158	296,898,715	162,351,622	19,862,320	377,839	68,532,357	41,809,793	340,543	49,828	1,128,289	2,430,990	15,134
RA MAYO 2 ABANDONMENT - WHS	0	0	0	0	0	0	0	0	0	0	0
RA PRODUCTION REL	22,980,264	11,397,983	1,403,045	11,548	6,475,998	3,673,726	16,291	1,674	0	0	0
RA GRIDSOUTH	0	0	0	0	0	0	0	0	0	0	0
RA SC DERP	0	0	0	0	0	0	0	0	0	0	0
RA REPS DEFERRAL	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,686)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
RA DSMEE DEFERRAL	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464
RA PSNC PIPELINE	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
RA POLLUTION CNTL DEFERRAL - SC	0	0	0	0	0	0	0	0	0	0	0
RA EMISSION ALLOWANCE PROCEEDS - NCR	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43
RA DISTRIBUTION REL	19,424,242	13,269,283	1,558,202	41,815	1,906,585	476,514	53,978	4,249	1,112,400	997,743	3,472
RA STORM REL REG ASSETS (LIABILITIES)- NCR	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828
RA STORM REL REG ASSETS (LIABILITIES)- SCR	0	0	0	0	0	0	0	0	0	0	0
RA METER PLANT RETIREMENTS	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020
RL EDIT NC RETAIL - FED TAX CHANGE	(1,176,758,753)	(655,340,876)	(79,207,933)	(1,234,423)	(260,273,864)	(137,404,151)	(1,625,613)	(143,134)	(21,823,192)	(19,636,853)	(68,714)
RL EDIT SC RETAIL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RL EDIT WHL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RA OVER AMORTIZATIONS - NC RETAIL	(3,452,689)	(1,922,814)	(232,401)	(3,622)	(763,661)	(403,153)	(4,770)	(420)	(64,031)	(57,616)	(4,202)
RA PLANT REL	(18,159,563)	(10,113,121)	(1,222,325)	(19,049)	(4,016,507)	(2,120,400)	(25,086)	(2,209)	(336,772)	(303,033)	(1,060)
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)	0	0	0	0	0	0	0	0	0	0	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088
BOOK REGULATORY ASSETS											
	(437,290,815)	(218,834,059)	(74,093,952)	(2,290,199)	(64,426,908)	(40,742,944)	(641,150)	(206,944)	(21,202,661)	(14,803,158)	(48,839)
REGULATORY ASSET ADJUSTMENTS:											
ADJIRA REMOVE DSM	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)
ADJIRA REMOVE REPS	113,180,076	37,906,689	51,707,815	2,102,619	15,463,686	500,216	164,297	202,277	4,677,384	436,354	18,727
ADJIRA REMOVE JAAR	(44,392,629)	(22,018,304)	(2,710,364)	(22,307)	(12,510,151)	(7,096,800)	(31,470)	(3,233)	(0)	(0)	(0)
ADJIRA ADJUST RETIRED METERS	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)
ADJIRA NC COAL ASH DEFERRAL	423,886,366	183,191,901	21,444,835	347,503	122,675,737	91,811,389	471,284	52,264	2,943,589	935,500	12,364
ADJIRA ANNUAL/ REM EXP. REG ASSETS - PROD	(12,930,007)	(6,413,155)	(789,433)	(6,497)	(3,643,766)	(2,067,046)	(9,166)	(942)	(0)	(0)	(0)
ADJIRA ANNUAL/ REM EXP. REG ASSETS - ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)
ADJIRA ANNUAL/ REM EXP. REG ASSETS - DIST	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,358)	(186)	(48,592)	(43,583)	(152)
ADJIRA ANNUAL/ REM EXP. REG ASSETS - PLANT	1,706,244	950,213	114,848	1,790	377,385	199,229	2,357	208	31,643	28,472	100
ADJIRA ANNUAL/ REM EXP. REG ASSETS - STORM	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS											
	(83,851,003)	(41,491,593)	(4,958,133)	(92,907)	(21,564,890)	(15,017,849)	(99,283)	(13,156)	(447,754)	(161,592)	(3,847)
ADJIRA DEFERRED SEVERANCE	23,297,241	12,739,512	1,558,569	29,648	5,377,641	3,280,758	26,722	3,910	88,535	190,756	1,188
ADJIRA ADJUST STORM DEFERRAL	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,639,847	1,114,554	229,712	711,881	679,019	96,938
ADJIRA ADJUST STORM DEFERRAL-TRANS	45,299,769	22,468,236	2,765,748	22,763	12,765,789	7,241,819	32,113	3,300	0	0	0
ADJIRA ADJUST STORM DEFERRAL-PROD	3,203,586	1,588,947	195,593	1,610	902,793	512,139	2,271	233	0	0	0
ADJIRA ADJUST RETIRED PLANT - PROD	65,928,858	32,700,061	4,025,244	33,129	18,579,210	10,539,676	46,737	4,802	0	0	0
ADJIRA ADJUST ASHEVILLE CC	27,187,523	13,484,742	1,659,917	13,662	7,661,633	4,346,316	19,273	1,980	0	0	0
TOTAL REG ASSETS ADJUSTMENTS											
	916,049,833	555,217,015	115,693,155	3,932,627	129,240,653	100,410,014	1,410,437	442,581	7,618,967	1,960,559	123,826
ADJ REGULATORY ASSETS	478,759,019	336,382,956	41,599,202	1,642,428	64,813,745	59,667,071	769,288	235,636	(13,583,694)	(12,842,599)	74,987

DUKE ENERGY PROGRESS, LLC

Item No. 45B "Proforma Adjusted"

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

NCUC Form E-1

COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
OPERATING RESERVES:													
OR LABOR RELATED													
OR COAL MINES & ENERGY RELATED													
		(53,609,411)	(29,314,963)	(3,586,433)	(68,224)	(12,374,521)	(7,549,371)	(61,490)	(8,997)	(203,729)	(438,951)	(2,733)	
		(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)	
BOOK OPERATING RESERVES		(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)	
TOTAL OPERATING RESERVES		(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)	
WORKING CAPITAL:													
MATERIALS AND SUPPLIES:													
WC MAT & SUP PLUS STORES EXP		498,512,419	279,400,376	33,736,398	537,106	108,706,681	56,759,191	707,840	61,841	9,779,678	8,792,564	30,724	
WC EMISSION ALLOWANCES		1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40	
WC EMISSION ALLOWANCE PROCEEDS - REPS		120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927	
WC FUEL INVENTORY		134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922	
BOOK MATERIALS & SUPPLIES		754,773,882	378,437,953	96,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	54,613	
MATERIAL & SUPPLIES ADJUSTMENTS:													
ADJWC REPS Inventory		(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)	
ADJWC M&S Inventory - JAAR		(37,024,580)	(18,363,825)	(2,260,512)	(18,605)	(10,433,784)	(5,918,911)	(26,247)	(2,697)	(0)	(0)	(0)	
ADJWC FUEL INVENTORY		9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281	
ADJWC RETIRED PLANT INVENTORY		(7,002,383)	(3,924,613)	(473,880)	(7,544)	(1,526,955)	(797,271)	(9,943)	(869)	(137,371)	(123,506)	(432)	
ADJWC ASHEVILLE CC INVENTORY		3,735,479	2,093,617	252,795	4,025	814,566	425,311	5,304	463	73,282	65,885	230	
TOT MATERIALS & SUPP ADJUSTS		(151,078,841)	(56,362,535)	(57,013,240)	(2,251,500)	(24,809,981)	(4,734,883)	(194,986)	(217,145)	(4,974,081)	(500,643)	(19,847)	
ADJ MATERIALS & SUPPLIES		603,695,041	322,075,419	38,614,481	634,241	139,661,753	81,977,188	838,696	76,675	10,725,803	9,056,019	34,766	
CASH WORKING CAPITAL:													
WC DEFERRED DEBITS		4,690,569	2,612,193	315,723	4,920	1,037,454	547,694	6,480	571	86,987	78,273	274	
WC PRELIMINARY SURVEY CHARGES		5,046,089	2,502,810	308,086	2,536	1,422,023	806,690	3,577	368	0	0	0	
WC UNAMORTIZED DEBT EXPENSE		28,946,387	16,120,339	1,948,389	30,365	6,402,322	3,379,923	39,987	3,521	536,816	483,035	1,690	
WC UNAMORTIZED LOSS ON REACQ DEBT		3,072,405	1,711,033	206,804	3,223	679,550	358,749	4,244	374	56,978	51,270	179	
WC CUSTOMER DEPOSITS - INPUT		(116,588,158)	(99,338,867)	(13,250,447)	(497,610)	(3,206,026)	(23,097)	(70,448)	(64,571)	(0)	(130,632)	(6,457)	
WC CUST ADV FOR CONSTRUCTION		(23,190,077)	(15,841,838)	(1,860,295)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)	
WC CASH ALLOW LEAD/LAG		160,141,423	89,183,293	10,779,160	167,989	35,419,857	18,698,902	221,225	19,479	2,969,850	2,672,318	9,351	
BOOK CASH WORKING CAPITAL		62,118,639	(3,051,036)	(1,552,580)	(338,500)	39,478,956	23,199,964	140,621	(45,332)	2,322,567	1,963,085	892	
WC CASH ALLOW ADJ		(27,012,991)	(15,043,625)	(1,818,251)	(28,337)	(5,974,696)	(3,154,170)	(37,317)	(3,286)	(500,961)	(450,772)	(1,577)	
WC RATE CASE DEFERRAL ADJ		2,670,122	1,487,000	179,727	2,801	590,574	311,777	3,689	325	49,518	44,557	156	
TOT CASH WORK CAPITAL ADJUSTS		(24,342,868)	(13,556,624)	(1,638,525)	(25,536)	(5,384,122)	(2,842,393)	(33,628)	(2,961)	(451,443)	(406,215)	(1,421)	
ADJ CASH WORK CAPITAL													
BOOK WORKING CAPITAL		37,775,771	(16,607,661)	(3,191,104)	(364,035)	34,094,835	20,357,571	106,993	(48,293)	1,871,124	1,556,870	(529)	
TOT ADJUSTED WORKING CAPITAL		816,892,521	375,386,917	94,075,141	2,547,242	203,950,691	109,912,035	1,174,303	248,488	18,022,452	11,519,747	55,505	
		641,470,811	305,467,758	35,423,376	270,206	173,756,588	102,334,759	945,689	28,382	12,596,928	10,612,889	34,237	
BOOK RATE BASE													
ADJUSTED RATE BASE		9,859,050,290	5,401,739,228	653,629,289	10,083,501	2,257,172,631	1,201,803,010	13,513,933	1,187,739	168,951,290	150,421,433	548,237	
		10,785,574,092	6,059,534,884	718,758,923	11,938,400	2,336,327,644	1,259,576,191	15,799,377	1,416,554	201,502,187	179,999,015	720,916	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL
DEVELOP LABOR FACTOR												
PRODUCTION LABOR:												
LAB01 LABOR-PROD DEMAND REL	132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0	0	0
LAB02 LABOR-PROD ENERGY REL	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055	3,055
TOTAL PRODUCTION LABOR	237,596,815	111,162,360	13,410,550	152,622	67,752,358	43,924,292	210,627	22,590	727,238	231,123	3,055	3,055
TRANSMISSION LABOR:												
LAB04 LABOR-TRANS PROD REL	868,386	430,711	53,019	436	244,717	138,824	616	63	0	0	0	0
LAB05 LABOR-TRANS PST REL	10,682,116	5,298,224	652,190	5,368	3,010,294	1,707,690	7,573	778	0	0	0	0
TOTAL TRANSMISSION LABOR	11,550,502	5,728,934	705,208	5,804	3,255,012	1,846,514	8,188	841	0	0	0	0
DISTRIBUTION LABOR:												
LAB442 LABOR-SUPERVISION&ENGINEERING	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70	70
LAB12 LOAD DISPATCH	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278	2,278
LAB13 LABOR-SUBSTATION	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	895
LAB20 LABOR-OVERHEAD LINE	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	13,620	42,207	40,259	5,747	5,747
LAB25 LABOR-UNDERGROUND LINE	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	1,167	7,860	4,727	837	837
LAB26 LABOR-LINE TRANSFORMR	591,777	434,001	47,206	921	86,314	17,987	2,682	121	1,766	777	1	1
LAB34 LABOR-METER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	1,182
LAB35 LABOR-STREET LIGHT	2,001,283	0	0	0	0	0	0	0	0	0	0	0
LAB361LABOR-CUST INSTALLATNS	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185	185
LAB39 LABOR-RENTS	0	0	0	0	0	0	0	0	0	0	0	0
LAB38 LABOR-MISCELLANEOUS	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394	1,394
TOTAL DISTRIBUTION LABOR	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591	12,591
CUSTOMER ACCOUNTING LABOR	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040	1,040
SALES LABOR	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	246
CUST SERV & INFO LABOR	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	111
ADMIN & GENERAL LABOR:												
LAB61 LABOR-AGG LABOR REL	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891	4,891
TOTAL ADMIN & GEN LABOR	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891	4,891
TOTAL LABOR EXPENSE	430,294,724	235,295,886	28,786,422	547,601	99,323,811	60,594,851	493,548	72,216	1,635,227	3,523,229	21,934	21,934

Labor NC



**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"**  
**ALLOCATION Factors used in Item No. 45B COS "Proforma Adjusted at Current Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31, 2018**  
**Summer CP Demand Allocation with MINIMUM SYSTEM**

Allocation Factors Input to TACOS Cost of Service Software			Allocation Factors Dynamically Calculated Within TACOS	
Allocator	Functionalized As	Derived Using	Total Code	Calculated As
C1	100% Customer	Number of Customers	LAB	Test Year Company Labor Expense
C2	100% Customer	No. of Customers @ Primary and Below	NB_PLT	Total Net Plant in Service
C5	100% Customer	No. of Customers @ Secondary w/ Meters	PTDG	Gross Tangible Plant in Service
C8	100% Customer	No. of Customers @ Dist. Line Xfmr and Below	RB_PLT_O_DL_	Gross Total Distribution Plant
C9	100% Customer	No. of Customers @ Secondary and Below	RB_PLT_O_DL_CPREM	Gross Installation on Cust. Premises EPIS
CK	100% Customer	Number of Meters	RB_PLT_O_DL_LNTRFMS	Gross Dist. Line Transformer EPIS
D3	100% Dist. Substation	Class Non - Coincident Peaks @ T/D Substation	RB_PLT_O_DL_METR	Gross Meter Investment
D4	100% Dist. Primary	Class Non - Coincident Peaks @ Dist Primary	RB_PLT_O_DL_OH_LN	Gross Dist. Overhead Line Investment
D8	100% Dist. Line Xfmr.	Class Non - Coincident Peaks @ Line Xfmr	RB_PLT_O_DL_STLT	Gross Street Lighting Investment
D7	100% Dist. Secondary	Class Non-Coincident Peaks @ Secondary	RB_PLT_O_DL_SUB	Gross Dist. Substation Investment
E1	100% Energy	Energy @ Prod. Output (Trans. Input)	RB_PLT_O_DL_UGL	Gross Dist. Underground Line Investment
E2	100% Energy	Energy @ Customer Meter	RB_PLT_O_GN	Gross General Plant Investment
DP	100% Prod. Demand	Summer CP Demand @ Prod. Output	RB_PLT_O_PR	Gross Production Plant Investment
DT	100% Transmission	Summer CP Demand @ Prod. Output	RB_PLT_O_TR	Gross Transmission Plant Investment
DSM	50% Prod Demand/50% Energy	DSM Test Year Revenue	TDPLT	Gross Trans. and Dist. Plant Investment
DERP	100% Prod. Demand	DERP Test Year Revenue	WKT65	Pretax Operating Income Net of Interest Before Add'l Tax Deductions

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
ALLOCATION Factors used in Item No. 45B COS "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>System Factors - TACOS Inputs:</b>														
C1	1.00000	0.89297	0.76085	0.10149	0.00381	0.02456	0.00018	0.00054	0.00049	0.00000	0.00100	0.00005	0.10703	0.00000
CK	1.00000	0.89303	0.76187	0.10162	0.00382	0.02468	0.00039	0.00054	0.00007	0.00000	0.00000	0.00005	0.10697	0.00001
E1	1.00000	0.61109	0.26410	0.03092	0.00050	0.17685	0.13236	0.00068	0.00008	0.00424	0.00135	0.00002	0.10252	0.28639
E2	1.00000	0.60696	0.26147	0.03061	0.00050	0.17538	0.13269	0.00068	0.00007	0.00420	0.00134	0.00002	0.10208	0.29096
DP	1.00000	0.61528	0.30517	0.03757	0.00031	0.17339	0.09836	0.00044	0.00004	0.00000	0.00000	0.00000	0.09446	0.29026
DT	1.00000	0.59670	0.29596	0.03643	0.00030	0.16815	0.09539	0.00042	0.00004	0.00000	0.00000	0.00000	0.09161	0.31169
DSM	1.00000	0.81083	0.50630	0.05898	0.00097	0.22911	0.01235	0.00124	0.00015	0.00131	0.00044	0.00001	0.18917	0.00000
DERP	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000

System Factors - TACOS Calculated:

LAB	1.00000	0.66212	0.36206	0.04430	0.00084	0.15284	0.09324	0.00076	0.00011	0.00252	0.00542	0.00003	0.10427	0.23361
NB_PLT	1.00000	0.67095	0.37365	0.04516	0.00070	0.14840	0.07834	0.00093	0.00008	0.01244	0.01120	0.00004	0.10095	0.22810
PTDG	1.00000	0.67918	0.38066	0.04596	0.00073	0.14810	0.07733	0.00096	0.00008	0.01332	0.01198	0.00004	0.10231	0.21852
RB_PLT_O_DL	1.00000	0.87149	0.59534	0.06991	0.00188	0.08554	0.02138	0.00242	0.00019	0.04991	0.04476	0.00016	0.12568	0.00284
RB_PLT_O_DL_CPREM	1.00000	0.82856	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.82856	0.00000	0.00000	0.17144	0.00000
RB_PLT_O_DL_INTRMS	1.00000	0.90539	0.66400	0.07222	0.00141	0.13206	0.02752	0.00410	0.00019	0.00270	0.00119	0.00000	0.09408	0.00054
RB_PLT_O_DL_METR	1.00000	0.86511	0.61003	0.08005	0.00300	0.15092	0.01745	0.00330	0.00005	0.00000	0.00000	0.00030	0.11376	0.02112
RB_PLT_O_DL_OH_LN	1.00000	0.83917	0.67474	0.08362	0.00263	0.06258	0.01138	0.00166	0.00034	0.00106	0.00101	0.00014	0.15999	0.00084
RB_PLT_O_DL_STLT	1.00000	0.86685	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.86685	0.00000	0.13315	0.00000
RB_PLT_O_DL_SUB	1.00000	0.86562	0.55403	0.05181	0.00020	0.16616	0.08277	0.00532	0.00003	0.00362	0.00115	0.00051	0.12096	0.01342
RB_PLT_O_DL_UGL	1.00000	0.90835	0.70949	0.08289	0.00219	0.09424	0.01349	0.00249	0.00029	0.00193	0.00116	0.00021	0.09165	0.00000
RB_PLT_O_GN	1.00000	0.74041	0.45497	0.05489	0.00125	0.12494	0.06297	0.00133	0.00014	0.02036	0.01949	0.00008	0.11033	0.14926
RB_PLT_O_PR	1.00000	0.61001	0.30256	0.03724	0.00031	0.17190	0.09752	0.00043	0.00004	0.00000	0.00000	0.00000	0.09401	0.29598
RB_PLT_O_TR	1.00000	0.59834	0.29440	0.03624	0.00030	0.16727	0.09966	0.00042	0.00004	0.00000	0.00000	0.00000	0.09168	0.30998
TDPLT	1.00000	0.79408	0.51005	0.06037	0.00143	0.10870	0.04356	0.00185	0.00015	0.03577	0.03208	0.00011	0.11604	0.08988
WKT65	1.00000	0.74052	0.33748	0.05152	0.00075	0.19672	0.11106	0.00197	0.00004	0.04144	-0.00054	0.00008	0.12994	0.12954



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
ALLOCATION Factors used in Item No. 45B COS "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

NC Retail Factors - TACOS Inputs:															TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGC CLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
C1	1.00000	0.85205	0.11365	0.00427	0.02750	0.00020	0.00060	0.00055	0.00000	0.00112	0.00006																	
C5	1.00000	0.85649	0.11421	0.00429	0.02466	0.00000	0.00027	0.00007	0.00000	0.00000	0.00000																	
C8	1.00000	0.85215	0.11366	0.00427	0.02749	0.00015	0.00060	0.00055	0.00000	0.00112	0.00000																	
CK	1.00000	0.85313	0.11380	0.00427	0.02763	0.00043	0.00061	0.00007	0.00000	0.00000	0.00006																	
D3	1.00000	0.64963	0.06075	0.00024	0.19482	0.08207	0.00624	0.00004	0.00425	0.00135	0.00060																	
D4	1.00000	0.67603	0.06322	0.00025	0.20224	0.04526	0.00650	0.00004	0.00442	0.00141	0.00063																	
D7	1.00000	0.75032	0.07009	0.00028	0.17028	0.00000	0.00252	0.00004	0.00491	0.00156	0.00000																	
D8	1.00000	0.68022	0.06361	0.00025	0.20301	0.04054	0.00647	0.00004	0.00445	0.00141	0.00000																	
E1	1.00000	0.43217	0.05059	0.00082	0.28941	0.21659	0.00111	0.00012	0.00694	0.00221	0.00003																	
E2	1.00000	0.43079	0.05043	0.00082	0.28896	0.21862	0.00111	0.00012	0.00692	0.00220	0.00003																	
DP	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000																	
DT	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000																	
DSM	1.00000	0.62442	0.07273	0.00119	0.28256	0.01523	0.00153	0.00018	0.00161	0.00054	0.00001																	
REPS	1.00000	0.33492	0.45686	0.01858	0.13663	0.00442	0.00145	0.00179	0.04133	0.00386	0.00017																	
NC Retail Factors - TACOS Calculated:																												
LAB	1.00000	0.54682	0.06690	0.00127	0.23083	0.14082	0.00115	0.00017	0.00380	0.00819	0.00005																	
NB_PLT	1.00000	0.55690	0.06731	0.00105	0.22118	0.11676	0.00138	0.00012	0.01855	0.01669	0.00006																	
PTDG	1.00000	0.56047	0.06767	0.00108	0.21806	0.11386	0.00142	0.00012	0.01962	0.01764	0.00006																	
RB_PLT_O_DL	1.00000	0.68313	0.08022	0.00215	0.09815	0.02453	0.00278	0.00022	0.05727	0.05137	0.00018																	
RB_PLT_O_DL_CPREM	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000																	
RB_PLT_O_DL_INTRMS	1.00000	0.73339	0.07977	0.00156	0.14586	0.03040	0.00453	0.00020	0.00298	0.00131	0.00000																	
RB_PLT_O_DL_METR	1.00000	0.70515	0.09253	0.00347	0.17445	0.02017	0.00381	0.00006	0.00000	0.00000	0.00035																	
RB_PLT_O_DL_OH_LN	1.00000	0.80406	0.09965	0.00313	0.07458	0.01356	0.00198	0.00041	0.00126	0.00120	0.00017																	
RB_PLT_O_DL_STLT	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000																	
RB_PLT_O_DL_SUB	1.00000	0.64004	0.05986	0.00024	0.19195	0.09562	0.00615	0.00003	0.00419	0.00133	0.00059																	
RB_PLT_O_DL_UGL	1.00000	0.78107	0.09125	0.00241	0.10375	0.01485	0.00274	0.00031	0.00212	0.00127	0.00023																	
RB_PLT_O_GN	1.00000	0.61448	0.07413	0.00169	0.16874	0.08505	0.00180	0.00019	0.02750	0.02632	0.00010																	
RB_PLT_O_PR	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000																	
RB_PLT_O_TR	1.00000	0.49203	0.06057	0.00050	0.27956	0.16657	0.00070	0.00007	0.00000	0.00000	0.00000																	
TDPLT	1.00000	0.64232	0.07602	0.00180	0.13689	0.05486	0.00234	0.00019	0.04504	0.04040	0.00014																	
WKTX65	1.00000	0.45574	0.06957	0.00101	0.26565	0.14997	0.00266	0.00005	0.05597	-0.00073	0.00011																	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45B, "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL ADJUSTED REVENUE		3,339,208,603	1,690,026,417	203,009,580	3,465,644	861,666,640	480,662,499	5,299,275	471,518	65,761,277	28,612,348	213,404
OPERATING EXPENSES:												
ADU O&M EXPENSE		1,862,089,497	922,943,505	110,824,638	2,181,256	499,937,403	293,765,258	2,402,832	298,825	16,393,356	13,254,503	87,921
ADU DEPRECIATION EXPENSE		701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068
ADU OTHER AMORTIZATIONS		263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	14,184
ADU OTHER TAXES		103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952
ADU NET CURR & DEF STATE & FED INC TAXES		39,243,801	12,270,434	2,304,705	(45,691)	16,264,456	1,902,653	254,556	(2,847)	6,475,153	(190,228)	10,611
ADU INVESTMENT TAX CREDITS		(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)
TOTAL ADU OPER EXPENSE		2,967,578,035	1,516,093,672	179,595,190	3,350,138	755,110,708	444,575,038	4,082,013	450,841	38,624,298	25,534,497	161,640
RETURN BEFORE ADJUSTMENTS		371,630,568	173,932,745	23,414,390	115,507	106,555,931	36,107,480	1,217,262	20,678	27,136,979	3,077,851	51,764
INTEREST ON CUST DEPOSITS - INPUT		(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)
INCOME FOR RETURN WITH CUSTOMER GROWTH ADJ		363,659,579	167,141,069	22,508,474	81,486	106,336,739	36,105,881	1,212,445	16,263	27,136,979	3,068,920	51,323
INCOME FOR RETURN WITH CUSTOMER GROWTH		363,659,579	167,141,069	22,508,474	81,486	106,336,739	36,105,881	1,212,445	16,263	27,136,979	3,068,920	51,323
YEAR END RATE BASE:												
ADU PLANT IN SERVICE		19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284
ADU DEPRECIATION RESERVE		(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,636,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)
ADU NET PLANT IN SERV		10,953,773,177	6,260,650,199	710,375,683	13,215,772	2,217,201,831	1,272,677,355	16,690,331	1,558,163	248,979,603	211,617,652	806,587
PLANT HELD FOR FUTURE USE		0	0	0	0	0	0	0	0	0	0	0
ADU NUCLEAR FUEL INVENTORY		203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284
ADU ACCUM DEFERRED INC TAX		(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)
TOTAL OPERATING RESERVES		(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)
ADU MATERIALS & SUPPLIES		600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598
ADU WORK CAPITAL, REG ASSETS		512,901,217	315,213,862	40,166,347	1,214,635	104,416,110	75,716,528	825,123	177,421	(13,092,483)	(11,805,135)	68,807
ADJUSTED RATE BASE		10,707,849,602	6,090,878,233	683,892,962	12,746,747	2,205,956,205	1,290,462,001	16,302,876	1,547,463	219,576,336	185,687,820	796,960
RATE OF RETURN (ROR)		3.40%	2.74%	3.29%	0.64%	4.82%	2.80%	7.44%	1.05%	12.36%	1.65%	6.44%

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45B COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - PER BOOKS		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
BOOK REVENUES		3,657,316,072	1,848,941,204	241,711,782	4,363,155	910,424,240	554,174,209	5,293,666	513,298	64,739,790	26,948,443	206,286	
OPERATING EXPENSES:													
BOOK O&M EXPENSE		2,086,831,807	1,037,542,516	129,746,678	2,673,041	526,544,051	355,621,607	2,472,964	356,518	17,871,168	13,909,219	94,045	
BOOK DEPRECIATION EXPENSE		532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486	
BOOK OTHER AMORTIZATIONS		132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153	
BOOK OTHER TAXES		101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400	
BOOK STATE INCOME TAX		(2,970,862)	(1,331,727)	(235,491)	(2,139)	(873,494)	(383,385)	(7,136)	(22)	(145,142)	7,913	(240)	
BOOK FEDERAL INCOME TAX		(50,006,022)	(22,415,844)	(3,963,824)	(36,008)	(14,702,792)	(6,453,189)	(120,111)	(367)	(2,443,046)	133,200	(4,041)	
BOOK INVESTMENT TAX CREDITS		(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(256)	(28,423)	(22,215)	(96)	
BOOK DEFERRED INCOME TAXES		168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,794,095	404,531	1,234	8,228,087	(448,613)	13,611	
TOTAL OPER EXPENSE - PB		2,967,194,543	1,515,153,283	190,284,455	3,774,847	725,503,190	466,498,993	3,837,046	480,555	36,983,473	24,525,384	153,317	
RETURN BEFORE ADJUSTMENTS		690,121,529	333,787,920	51,427,328	588,308	184,921,049	87,675,216	1,456,619	32,743	27,756,316	2,423,059	52,969	
INTEREST ON CUST DEPOSITS - INPUT		(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)	
INCOME FOR RETURN		682,150,539	326,996,244	50,521,411	554,287	184,701,857	87,673,637	1,451,803	28,329	27,756,316	2,414,128	52,527	
YEAR END RATE BASE:													
BOOK PLANT IN SERVICE		18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762	
BOOK DEPRECIATION RESERVE		(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)	
BOOK NET PLANT IN SERVICE		10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528	
PLANT HELD FOR FUTURE USE		0	0	0	0	0	0	0	0	0	0	0	
BOOK NUCLEAR FUEL INVENTORY		230,252,332	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	
BOOK ACCUM DEFERRED INC TAX		(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)	
BOOK OPERATING RESERVES		(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	
BOOK MATERIALS & SUPPLIES		750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059	
BOOK WORKING CAPITAL, REG ASSETS		(376,636,334)	(228,418,070)	(73,511,673)	(2,697,457)	(16,682,345)	(20,680,928)	(548,628)	(263,046)	(20,383,952)	(13,396,110)	(54,122)	
BOOK RATE BASE		9,782,137,480	5,418,147,922	616,932,820	10,949,725	2,130,406,645	1,244,828,551	14,099,172	1,327,831	188,299,097	156,516,115	629,602	
RATE OF RETURN		6.97%	6.04%	8.19%	5.06%	8.67%	7.04%	10.30%	2.13%	14.74%	1.54%	8.34%	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - REVENUES	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
SALES OF ELECTRICITY:											
RETAIL SALES OF ELECTRICITY	3,563,165,280	1,820,227,876	226,009,560	3,781,169	886,079,172	532,588,876	5,200,515	454,335	62,444,191	26,178,894	200,691
REV - REPS	24,719,022	8,278,986	11,293,212	459,221	3,377,339	109,249	35,883	44,178	1,021,561	95,302	4,090
REV UNBILLED REVENUES	(12,096,317)	(10,422,074)	(118,784)	(1,947)	(632,887)	(613,073)	(2,798)	(3,715)	(116,405)	(184,529)	(103)
REV - SALES FOR RESALE D/A	0	0	0	0	0	0	0	0	0	0	0
REV - SALES FOR RESALE CREDIT - TRANSMISSION	44,493	25,292	2,680	23	10,790	5,681	25	3	0	0	0
REV - SALES FOR RESALE CREDIT - ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793
REV - SALES FOR RESALE CREDIT - DEMAND	4,765,270	2,353,310	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	76
REV - PROV FOR RATE REFUND	(98,495,765)	(55,527,239)	(6,289,273)	(113,560)	(20,580,674)	(12,046,317)	(143,475)	(13,596)	(2,051,303)	(1,723,650)	(6,680)
REV - PROV FOR RATE REFUND - JAAR	(6,050,000)	(2,987,769)	(332,483)	(4,107)	(1,622,565)	(1,066,876)	(5,211)	(612)	(22,980)	(7,303)	(97)
TOTAL SALES OF ELECTRICITY	3,606,104,570	1,818,153,494	237,406,282	4,230,651	905,547,331	547,986,518	5,233,638	497,111	62,196,267	24,651,487	201,771
OTHER REVENUES:											
REV - FORFEITED DISCOUNTS (450) AS INPUT	7,663,772	6,529,912	871,001	32,710	210,744	1,518	4,631	4,244	0	8,587	424
REV - MISC SERVICE REVENUES (451)	5,505,700	4,691,128	625,732	23,499	151,400	1,091	3,327	3,049	0	6,169	305
REV - RENT (454) - DIST PLT REL	4,465,630	3,050,606	358,230	9,613	438,324	109,550	12,410	977	255,741	229,381	798
REV - RENT (454) - DIST POLE RENTAL REV	10,901,069	8,679,686	1,079,012	34,313	807,244	133,549	23,738	4,465	12,922	123,870	2,271
REV - RENT (454) - TRANS PLT REL	376,359	213,942	22,666	191	91,268	48,054	210	28	0	0	0
REV - RENT (454) - ADD FAC - WHLS	0	0	0	0	0	0	0	0	0	0	0
REV - RENT (454) - ADD FAC - RET x LIGHTING	4,617,085	18	40,902	0	227,143	4,349,022	0	0	0	0	0
REV - RENT (454) - ADD FAC - LIGHTING	3,848,777	0	0	0	0	0	0	0	0	0	0
REV - RENT (454) - OTHER	3,385,429	1,908,544	216,171	3,903	707,385	414,048	4,931	467	2,063,915	1,784,862	230
REV - OTHER ELEC REV (456) - PROD PLT REL	1,171,268	578,426	64,368	795	314,125	206,545	1,009	118	4,449	1,414	19
REV - OTHER ELEC REV (456) - TRANS REL	6,121,684	3,479,890	368,672	3,113	1,484,515	781,631	3,419	455	0	0	0
REV - OTHER ELEC REV (456) - WH D/A	0	0	0	0	0	0	0	0	0	0	0
REV - OTHER ELEC REV (456) - OTHER	365,348	205,966	23,329	421	76,339	44,683	532	50	7,609	6,393	25
REV - OTHER ELEC REV (456) - REPS	1,114,245	373,187	509,058	20,700	152,238	4,925	1,617	1,991	46,048	4,296	184
REV - OTHER ELEC REV (456) - DIS PLT REL	1,404,491	959,450	112,667	3,024	137,858	34,455	3,903	307	80,433	72,143	251
REV - OTHER NC RETAIL SPECIFIC	270,645	116,965	13,692	222	78,327	58,620	301	33	1,879	597	8
TOTAL OTHER REVENUES	51,211,501	30,787,710	4,305,500	132,504	4,876,909	6,187,691	60,027	16,187	2,543,503	2,296,956	4,515
BOOK REVENUES											
Functionalized Book Revenues	3,657,316,072	1,848,941,204	241,711,782	4,363,155	910,424,240	554,174,209	5,293,666	513,298	64,739,790	26,948,443	206,286
	3,471,242,220	1,759,569,780	230,562,233	4,120,777	866,620,385	518,971,860	5,084,915	480,591	61,275,065	24,358,713	197,901
REVENUE ADJUSTMENTS:											
RETAIL SALES OF ELECTRICITY ADJ TO EXC DSM & REPS	(330,305,859)	(151,723,051)	(13,923,774)	(223,294)	(75,893,031)	(88,095,312)	(475,797)	(16,660)	(34,370)	77,661	1,770
REV - REMOVE RATE REFUND	98,495,765	55,527,239	6,289,273	113,560	20,580,674	12,046,317	143,475	13,596	2,051,303	1,723,650	6,680
REV - REMOVE RATE REFUND JAAR	6,050,000	2,987,769	332,483	4,107	1,622,565	1,066,876	5,211	612	22,980	7,303	97
Total ADJUSTMENT TO ANNUALIZE REVENUE	(225,760,094)	(93,208,043)	(7,302,019)	(105,628)	(53,689,793)	(74,982,119)	(327,111)	(2,453)	2,039,913	1,808,613	8,546

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - REVENUES	NC		NC		NC		NC		NC		NC		NC		NC		NC					
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJREV WEATHER NORMALIZATION	(77,391,796)	(54,669,922)	(20,269,274)	(340,030)	(1,474,692)	(637,878)	0	0	0	0	0	(77,391,796)	(54,669,922)	(20,269,274)	(340,030)	(1,474,692)	(637,878)	0	0	0	0	0
ADJREV CUSTOMER GROWTH	5,182,122	(8,344,462)	1,113,309	43,283	10,097,067	2,061,586	374,132	5,324	0	0	3,137	5,182,122	(8,344,462)	1,113,309	43,283	10,097,067	2,061,586	374,132	5,324	0	0	3,137
ADJREV UNBILLED REVENUES	12,096,317	10,422,074	118,784	1,947	632,887	613,073	2,798	3,715	116,405	184,529	103	12,096,317	10,422,074	118,784	1,947	632,887	613,073	2,798	3,715	116,405	184,529	103
ADJREV COAL INVENTORY RIDER REV	(270,645)	(116,965)	(13,692)	(222)	(78,327)	(58,620)	(301)	(33)	(1,879)	(597)	(8)	(270,645)	(116,965)	(13,692)	(222)	(78,327)	(58,620)	(301)	(33)	(1,879)	(597)	(8)
REV - REPS ADJUSTMENT	(25,833,267)	(8,652,173)	(11,802,270)	(479,921)	(3,529,577)	(114,174)	(37,501)	(46,170)	(1,067,609)	(99,597)	(4,275)	(25,833,267)	(8,652,173)	(11,802,270)	(479,921)	(3,529,577)	(114,174)	(37,501)	(46,170)	(1,067,609)	(99,597)	(4,275)
RETAIL ADJ TO EXC JAAR: PROD DEM REL REV	(1,974,716)	(975,206)	(108,522)	(1,340)	(529,604)	(348,228)	(1,701)	(200)	(7,501)	(2,384)	(32)	(1,974,716)	(975,206)	(108,522)	(1,340)	(529,604)	(348,228)	(1,701)	(200)	(7,501)	(2,384)	(32)
Incr/(Decr) to REV - MISC SERVICE REVENUES (451)	(3,145,681)	(2,680,276)	(357,512)	(13,426)	(86,502)	(623)	(1,901)	(1,742)	(0)	(3,525)	(174)	(3,145,681)	(2,680,276)	(357,512)	(13,426)	(86,502)	(623)	(1,901)	(1,742)	(0)	(3,525)	(174)
Incr/(Decr) to REV - RENT (454) - ADD FAC	(1,010,139)	(690,056)	(81,033)	(2,175)	(99,150)	(24,781)	(2,807)	(221)	(57,849)	(51,887)	(181)	(1,010,139)	(690,056)	(81,033)	(2,175)	(99,150)	(24,781)	(2,807)	(221)	(57,849)	(51,887)	(181)
Incr/(Decr) to REV - OTHER ELEC REV (456) - OTHER	432	243	28	0	90	53	1	0	9	8	0	432	243	28	0	90	53	1	0	9	8	0
Total ADJUSTMENT TO MISC REVENUE	(4,155,389)	(3,370,089)	(438,517)	(15,600)	(185,562)	(25,351)	(4,707)	(1,963)	(57,840)	(55,404)	(355)	(4,155,389)	(3,370,089)	(438,517)	(15,600)	(185,562)	(25,351)	(4,707)	(1,963)	(57,840)	(55,404)	(355)
RETAIL SALES OF ELECTRICITY PROPOSED ADJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL REVENUE ADJUSTMENTS	(318,107,469)	(158,914,786)	(38,702,202)	(897,511)	(48,757,600)	(73,491,710)	5,609	(41,780)	1,021,488	1,663,905	7,118	(318,107,469)	(158,914,786)	(38,702,202)	(897,511)	(48,757,600)	(73,491,710)	5,609	(41,780)	1,021,488	1,663,905	7,118
TOTAL ADJUSTED REVENUE	3,339,208,603	1,690,026,417	203,009,580	3,465,644	861,666,640	480,682,499	5,299,275	471,518	65,761,277	28,612,348	213,404	3,339,208,603	1,690,026,417	203,009,580	3,465,644	861,666,640	480,682,499	5,299,275	471,518	65,761,277	28,612,348	213,404
Functionalized Adjusted Revenues	3,153,134,751	1,600,654,993	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020	3,153,134,751	1,600,654,993	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020



DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Profoma Adjusted at Current Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

Item No. 45B COS "Profoma Adjusted"

TEST YEAR ENDING December 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
PRODUCTION O&M EXPENSE:												
FUEL												
OM PROD ENERGY - FUEL		863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176
OM NC REPS RECS EXPENSE		18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065
TOTAL FUEL		881,642,228	379,220,044	52,128,033	1,051,679	252,323,832	187,028,873	986,520	139,523	6,759,204	1,976,281	28,241
PURCHASE POWER												
OM PROD PURCHASES - CAPACITY COST		66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062
OM PROD PURCHASES - ENERGY COST		365,384,360	157,908,960	18,465,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658
OM DEFERRED FUEL EXPENSE		(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,966)	(33,663)	(1,895,961)	(602,554)	(8,035)
TOTAL PURCHASES & DEF. FUEL		158,031,935	72,780,206	8,329,683	120,888	44,446,995	30,995,464	158,588	18,115	894,144	284,168	3,684
TOTAL FUEL, DEF. FUEL & PURCH POWER		1,039,674,164	452,000,250	60,457,716	1,172,566	296,770,826	218,024,337	1,145,108	157,639	7,653,349	2,260,449	31,925
DEMAND RELATED:												
OM PROD FIXED O&M		191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055
TOTAL PRODUCTION O&M-DEMAND		191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055
ENERGY RELATED:												
OM PROD VARIABLE O&M		278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138
OM PROD VARIABLE O&M-DEPR REL		0	0	0	0	0	0	0	0	0	0	0
OM OTHER EXPENSES - DSM REL		67,881,412	42,386,568	4,937,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452
TOTAL PRODUCTION O&M-ENERGY		346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590
TOTAL PRODUCTION O&M		1,578,063,400	709,538,263	90,034,362	1,612,115	448,056,745	313,258,986	1,723,769	223,569	10,427,751	3,144,269	43,570
TRANSMISSION O&M EXPENSE:												
OM TRANSMISSION EXP - TRANS		20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0
OM TRANS EXP - OTH PROD RELATED		0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION O&M		1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	28
DISTRIBUTION O&M EXPENSE:												
OM OVERHEAD LINES		110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014
OM UNDERGROUND LINES		11,787,240	9,206,643	1,075,590	28,394	1,222,905	175,042	32,282	3,709	24,988	15,026	2,662
OM LINE TRANSFORMERS		996,698	730,965	79,506	1,551	145,374	30,295	4,517	204	2,975	1,309	2
OM METER EXPENSE		6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304
OM STREET LIGHTS		7,164,040	0	0	0	0	0	0	0	0	0	0
OM DISTRIBUTION RENTS		2,088,877	1,679,564	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359
OM LOAD DISPATCH		4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414
OM DISTRIBUTION EXP - MISC & SUPERVISION		22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049
OM CUSTOMER INSTALLATIONS		4,525,221	0	0	0	0	0	0	0	4,525,221	0	0
OM SUBSTATIONS		3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968
OM DISTRIBUTION EXP - DSM/EE		3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21
TOTAL DISTRIBUTION O&M		176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>CUST. ACCOUNTING EXPENSE:</b>											
OM METER READING	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	274
OM CUST ACCT EXP - MISC	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	1,177	58
OM UNCOLLECTIBLES	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495
OM CUSTOMER RECORDS, EXCL REPS	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922
<b>TOTAL CUST ACCT EXPENSE</b>	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749
<b>CUST. SERV &amp; INFO EXPENSE:</b>											
OM CUST SERV & INFO - CUST ASSIST	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,568	177
<b>TOTAL CUST SERV &amp; INFO EXP</b>	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,568	177
<b>SALES EXPENSE:</b>											
OM SALES EXPENSE - DEMO & SELLING	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378
OM SALES EXPENSE - DSM/EE	1,385	865	101	2	391	21	2	0	2	1	0
<b>TOTAL SALES EXPENSE</b>	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378
<b>ADMIN &amp; GENERAL EXPENSE:</b>											
<b>A&amp;G REGULATORY EXPENSE:</b>											
OM REGULATORY EXPENSE-NCUC COAL ASH FEE	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY FEE - NCRETAIL	5,900,866	3,236,692	380,467	7,946	1,321,351	863,077	7,110	1,060	31,443	51,380	340
OM REGULATORY EXPENSE-SCRETAIL	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY EXPENSE-TRANS	1,121,111	637,297	67,518	570	271,870	143,146	626	83	0	0	0
<b>TOTAL ADM &amp; GEN REG EXPENSE</b>	7,021,977	3,873,989	447,985	8,516	1,593,222	1,006,223	7,736	1,143	31,443	51,380	340
<b>OTHER A&amp;G EXPENSE:</b>											
OM A&G LABOR RELATED & MISC	236,765,487	129,868,549	15,265,814	318,826	53,017,700	34,629,961	285,283	42,515	1,261,633	2,061,577	13,629
OM A&G LABOR RELATED - DSM/EE	1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7
OM A&G LABOR RELATED - DERP	0	0	0	0	0	0	0	0	0	0	0
OM A&G ALL PLANT RELATED	4,539,863	2,569,279	291,546	5,365	937,699	544,965	6,803	638	99,466	83,780	323
OM A&G GENERAL PLT RELATED	497,774	310,370	36,330	858	80,150	41,680	901	99	14,078	13,256	52
<b>TOTAL ADM &amp; GEN PLT EXPENSE</b>	242,889,529	133,426,571	15,672,709	326,343	54,342,521	35,233,150	294,644	43,447	1,376,930	2,159,204	14,011
<b>TOTAL ADMIN AND GEN EXPENSE</b>	249,911,506	137,300,560	16,120,694	334,859	55,935,742	36,239,373	302,380	44,590	1,408,374	2,210,584	14,351
<b>BOOK O&amp;M EXPENSE</b>	2,086,831,807	1,037,542,516	129,746,678	2,673,041	526,544,051	355,621,607	2,472,964	356,518	17,871,168	13,909,219	94,045

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

Op. Exp. SC - 2a

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC												NC											
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADJOM MERGER RELATED- LAB RELATED	(3,686,172)	(2,021,907)	(237,672)	(4,964)	(825,426)	(539,149)	(4,442)	(662)	(19,642)	(32,096)	(212)	(3,686,172)	(2,021,907)	(237,672)	(4,964)	(825,426)	(539,149)	(4,442)	(662)	(19,642)	(32,096)	(212)		
ADJOM MERGER RELATED- CUST RELATED	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)		
ADJOM SEVERANCE EXP	(23,254,446)	(12,755,327)	(1,499,366)	(31,314)	(5,207,251)	(3,401,258)	(28,020)	(4,176)	(123,914)	(202,482)	(1,339)	(23,254,446)	(12,755,327)	(1,499,366)	(31,314)	(5,207,251)	(3,401,258)	(28,020)	(4,176)	(123,914)	(202,482)	(1,339)		
ADJOM CREDIT CARD FEES	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288		
ADJOM VEG MANAGEMENT DISTRIBUTION	4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847	4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847		
ADJOM VEG MANAGEMENT TRANSMISSION	820,206	466,247	49,396	417	198,901	104,726	458	61	0	0	0	820,206	466,247	49,396	417	198,901	104,726	458	61	0	0	0		
ADJOM NCUC FEE - MISC REVENUE PLANT REL	(1,309)	(738)	(84)	(2)	(274)	(160)	(2)	(0)	(27)	(23)	(0)	(1,309)	(738)	(84)	(2)	(274)	(160)	(2)	(0)	(27)	(23)	(0)		
ADJOM NCUC FEE - MISC REVENUE CUST REL	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(5)	(0)	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(5)	(0)		
Total MISC. REVENUE ADJ TO O&M	(5,389)	(4,214)	(547)	(19)	(386)	(161)	(4)	(2)	(27)	(27)	(0)	(5,389)	(4,214)	(547)	(19)	(386)	(161)	(4)	(2)	(27)	(27)	(0)		
ADJOM NCUC FEE	(233,877)	(128,284)	(15,080)	(315)	(52,371)	(34,208)	(282)	(42)	(1,246)	(2,036)	(13)	(233,877)	(128,284)	(15,080)	(315)	(52,371)	(34,208)	(282)	(42)	(1,246)	(2,036)	(13)		
ADJOM PLANT RETIREMENT - DEM	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(5,600)	(1,780)	(24)	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(5,600)	(1,780)	(24)		
ADJOM PLANT RETIREMENT - ENERGY	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)		
ADJOM ONGOING EXP - ENERGY REL	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144		
ADJOM ASHEVILLE CC DEFERRAL	6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97	6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97		
ADJOM UNCOLLECTIBLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTAL OTHER O&M ADJUSTMENTS	(257,053,252)	(142,801,229)	(19,094,378)	(274,172)	(62,339,648)	(30,859,564)	(184,777)	(29,048)	(843,738)	(622,788)	(3,910)	(257,053,252)	(142,801,229)	(19,094,378)	(274,172)	(62,339,648)	(30,859,564)	(184,777)	(29,048)	(843,738)	(622,788)	(3,910)		
TOTAL O&M ADJUSTMENTS	(224,742,309)	(114,599,011)	(18,922,040)	(491,784)	(26,606,648)	(61,856,349)	(70,132)	(57,694)	(1,477,812)	(654,716)	(6,124)	(224,742,309)	(114,599,011)	(18,922,040)	(491,784)	(26,606,648)	(61,856,349)	(70,132)	(57,694)	(1,477,812)	(654,716)	(6,124)		
ADJ O&M EXPENSE	1,862,089,497	922,943,505	110,824,638	2,181,256	499,937,403	293,765,258	2,402,832	298,825	16,393,356	13,254,503	87,921	1,862,089,497	922,943,505	110,824,638	2,181,256	499,937,403	293,765,258	2,402,832	298,825	16,393,356	13,254,503	87,921		

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:												
PRODUCTION FUNCTION:												
DPE PRODUCTION RELATED		307,399,059	151,807,823	16,893,361	208,651	82,442,118	54,207,717	264,750	31,076	1,167,588	371,071	4,904
DPE EXT. DECOM. TRUST-PROD		17,337,167	8,561,892	962,778	11,768	4,649,698	3,057,291	14,932	1,753	65,851	20,928	277
DPE CONTRA AFUDC NC RET-PROD		(6,208,430)	(3,066,009)	(341,189)	(4,214)	(1,665,054)	(1,094,814)	(5,347)	(628)	(23,581)	(7,494)	(99)
DPE CONTRA AFUDC SC RET-PROD		0	0	0	0	0	0	0	0	0	0	0
DPE CONTRA AFUDC WHSL - PROD		0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-NCR		(4,992,690)	(2,435,990)	(271,080)	(3,348)	(1,322,910)	(869,846)	(4,248)	(499)	(18,736)	(5,954)	(79)
DPE HARRIS PLANT DISALLOW-SCR		0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PL.T. DISALLOW-NCEMPA		0	0	0	0	0	0	0	0	0	0	0
DPE OTHER NC RETAIL SPECIFIC EXPENSE		(12,665,516)	(6,249,877)	(695,494)	(8,590)	(3,394,114)	(2,231,713)	(10,900)	(1,279)	(48,069)	(15,277)	(202)
DPE OTHER SC RETAIL SPECIFIC EXPENSE		0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD.- SC		0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - WHSLE		0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD.- NCEMPA		0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION PLT DEPR.		300,939,591	148,617,840	16,538,376	204,267	80,709,737	53,068,634	259,186	30,423	1,143,054	363,273	4,801
DPE TRANS RELATED - PROD		2,112,112	1,043,058	116,073	1,434	566,453	372,456	1,819	214	8,022	2,550	34
DPE TRANS RELATED - TRANS		26,273,453	14,935,182	1,582,290	13,360	6,371,340	3,354,657	14,672	1,952	0	0	0
DPE TRANS RELATED - SC RETAIL		0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - OATT CONTRA		0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - NC RETAIL		425	242	26	0	103	54	0	0	0	0	0
DPE DISTRIBUTION PLANT		151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124
DPE DISTRIBUTION DEPRN - SCR		0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM		1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179
DPE DISTRIBUTION DEPRN - SC STORM		0	0	0	0	0	0	0	0	0	0	0
DPE GENERAL PLANT		22,262,666	13,881,107	1,624,838	38,384	3,584,674	1,864,111	40,312	4,431	629,611	592,866	2,331
DPE GENERAL PLANT - SCR		0	0	0	0	0	0	0	0	0	0	0
DPE AMORT LTD TERM PLT		28,366,867	16,053,871	1,821,697	33,521	5,859,115	3,405,157	42,506	3,985	621,504	523,493	2,017
BOOK DEPRECIATION EXPENSE		532,736,339	299,026,874	33,969,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486
DEPRECIATION EXPENSE ADJUSTMENTS:												
ADUDPE FUEL - CATALYST REL		(1,665,775)	(822,636)	(91,544)	(1,131)	(446,748)	(293,748)	(1,435)	(168)	(6,327)	(2,011)	(27)
ADUDPE REMOVE DSDR-TRANS		(6,871)	(3,906)	(414)	(3)	(1,666)	(877)	(4)	(1)	0	0	0
ADUDPE REMOVE DSDR-DIST		(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)
ADUDPE REMOVE DSDR-GEN		(630,512)	(393,133)	(46,018)	(1,087)	(101,523)	(52,794)	(1,142)	(125)	(117,832)	(16,791)	(66)
ADUDPE REMOVE DSDR-INT		(780,381)	(441,647)	(50,115)	(922)	(161,186)	(93,677)	(1,169)	(110)	(17,098)	(14,401)	(55)
Total DSDR ADJUSTMENT TO DEPRECIATION		(5,170,537)	(3,402,318)	(397,592)	(10,092)	(632,729)	(239,411)	(12,744)	(1,057)	(249,846)	(223,957)	(792)
ADUDPE REMOVE JAAR		(30,721,748)	(15,171,815)	(1,688,338)	(20,853)	(8,239,342)	(5,417,570)	(26,459)	(3,106)	(116,690)	(37,085)	(490)
ADUDPE YE DEPR EXP-PROD		39,642,153	19,577,122	2,178,566	26,908	10,631,728	6,990,622	34,142	4,008	150,572	47,853	632
ADUDPE YE DEPR EXP-TRANS		1,536,807	873,600	92,553	781	372,677	196,223	858	114	0	0	0
ADUDPE YE DEPR EXP-DIST		(3,441,320)	(2,350,869)	(276,061)	(7,406)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)
ADUDPE YE DEPR EXP-GEN		3,859,818	2,406,654	281,708	6,655	621,497	323,193	6,989	768	109,160	102,789	404
total YE ADJUSTMENT TO DEPRECIATION		41,597,458	20,506,508	2,276,766	26,936	11,288,120	7,425,616	32,426	4,137	62,652	(26,124)	421



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TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJDEP ADDITIONS TO EPIS - PROD		39,915,034	19,711,884	2,193,563	27,093	10,704,912	7,038,743	34,377	4,035	151,609	48,183	637
ADJDEP ADDITIONS TO EPIS - TRANS		3,712,358	2,110,295	223,573	1,888	900,251	474,003	2,073	276	0	0	1,238
ADJDEP ADDITIONS TO EPIS - DIST		17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196
ADJDEP ADDITIONS TO EPIS - GEN		3,377,323	2,105,812	246,494	5,823	543,807	282,792	6,115	672	95,514	89,940	354
ADJDEP ADDITIONS TO EPIS - INT		5,042,452	2,853,712	323,822	5,959	1,041,508	605,296	7,556	708	110,478	93,055	358
Total ADDITIONS ADJUSTMENT TO DEPRECIATION		69,927,132	38,996,043	4,421,772	79,253	14,945,485	8,839,463	99,808	9,603	1,381,562	1,149,598	4,545
ADJDEP NEW RATES - PROD		77,599,152	38,322,038	4,264,523	52,671	20,811,510	13,684,079	66,833	7,845	294,743	93,672	1,238
ADJDEP NEW RATES - TRANS		5,010,270	2,848,095	301,738	2,548	1,214,996	639,723	2,798	372	0	0	0
ADJDEP NEW RATES - DIST		(3,696,268)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)
ADJDEP NEW RATES - GEN		9,728,952	6,066,148	710,066	16,774	1,566,529	814,630	17,617	1,936	275,145	259,087	1,019
Total ADJUSTMENT FOR NEW DEPR. RATES		88,642,105	44,711,249	4,979,815	64,036	23,230,227	15,047,756	76,976	9,345	358,208	162,897	1,596
ADJDEP REMOVE EXPIRING DEPR AMORT-PROD		(186,678)	(92,190)	(10,259)	(127)	(50,066)	(32,919)	(161)	(19)	(709)	(225)	(3)
ADJDEP ANNUALIZE DEPR AMORT-GEN		2,639,201	1,645,582	192,622	4,550	424,957	220,987	4,779	525	74,639	70,283	276
ADJDEP DECOMMISSIONING EXP		3,626,511	1,790,938	199,298	2,462	972,603	639,510	3,123	367	13,775	4,378	58
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS		6,079,034	3,344,330	381,661	6,885	1,347,494	827,578	7,742	873	87,705	74,436	331
ADJDEP MERGER IMPACTS - TRANS		(169,616)	(96,419)	(10,215)	(86)	(41,132)	(21,657)	(95)	(13)	0	0	0
ADJDEP PLANT RETIREMENT - PROD		(178,641)	(88,221)	(9,817)	(121)	(47,910)	(31,502)	(154)	(18)	(679)	(216)	(3)
TOTAL DEPR EXP ADJUSTMENTS		168,339,412	87,976,720	9,862,507	144,828	41,403,465	26,136,524	176,066	19,596	1,516,586	1,097,538	5,582
ADJ DEPRECIATION EXPENSE		701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER AMORTIZATION EXPENSE:												
AMORT WHS SPEC - MAYO, RECS	0	0	0	0	0	0	0	0	0	0	0	0
AMORT NUCLEAR DESIGN BASIS	438,976	216,786	24,124	298	117,730	77,410	378	44	1,667	530	7	7
AMORT NCEMPA ACQ ADJ	7,764,854	3,834,643	426,724	5,270	2,082,475	1,369,279	6,688	785	29,493	9,373	124	124
AMORT DSM/E DEBIT	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	198,443	66,851	819	819
AMORT DSM/E CREDIT	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(34,358)	(11,575)	(142)	(142)
AMORT DSM/E O&M DEFERRAL	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,684)	(39,645)	(486)	(486)
AMORT DSM/E CAPITAL DEFERRAL	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)	(65)
AMORT NC REPS DEBIT	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)	(2,793)
AMORT NC REPS DEFERRAL	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,696	90,183	3,870	3,870
AMORT SC DERP AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT SC POLLUTION CNTL DPE DEF	0	0	0	0	0	0	0	0	0	0	0	0
AMORT RETIRED PLANT	17,546,379	8,665,211	964,275	11,910	4,705,807	3,094,184	15,112	1,774	66,646	21,181	280	280
AMORT OTHER NC RETAIL PROD REL	14,076,338	6,951,544	773,576	9,555	3,775,168	2,482,266	12,123	1,423	53,466	16,992	225	225
AMORT SC DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT WHL DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT NC STORM DEFERRAL	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	3,950
AMORT NC EDIT	(3,272,588)	(1,844,930)	(208,965)	(3,773)	(683,807)	(400,247)	(4,767)	(452)	(68,156)	(57,269)	(222)	(222)
AMORT RETIRED METERS	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	132
AMORT COR	575,758	284,336	31,641	391	154,414	101,531	496	58	2,187	695	9	9
AMORT NC RETAIL CONTINUING	1,994,356	1,124,323	127,346	2,299	416,720	243,915	2,905	275	41,535	34,901	135	135
AMORT OTHER NC RETAIL SPECIFIC	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	1,312
AMORT OTHER SC RETAIL SPECIFIC	0	0	0	0	0	0	0	0	0	0	0	0
AMORT DISP. OF ALLOWANCES	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	(3)
BOOK OTHER AMORTIZATIONS												
ADJAM REMOVE DSM	(18,966,211)	(11,842,897)	(1,379,490)	(22,586)	(5,359,037)	(288,830)	(28,926)	(3,400)	(30,607)	(10,311)	(126)	(126)
ADJAM REMOVE REPS	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)	(1,078)
ADJAM REMOVE NC EDIT IMPACT	3,272,588	1,844,930	208,965	3,773	683,807	400,247	4,767	452	68,156	57,269	222	222
AMORT NC DEFERRED ASH AMORTIZATION	105,900,204	45,767,124	5,357,597	86,817	30,648,274	22,937,385	117,742	13,057	735,402	233,718	3,089	3,089
ADJAM AMORT ANNUALIZATION - PROD	1,282,641	633,427	70,489	871	343,995	226,185	1,105	130	4,872	1,548	20	20
ADJAM AMORT ANNUALIZATION - ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114	114
ADJAM AMORT ANNUALIZATION - STORMS	(12,758,001)	(10,258,210)	(1,271,288)	(39,954)	(951,474)	(172,958)	(25,232)	(5,200)	(16,116)	(15,372)	(2,195)	(2,195)
ADJAM AMORT ANNUALIZATION - PLANT	(1,994,356)	(1,124,323)	(127,346)	(2,299)	(416,720)	(243,915)	(2,905)	(2,905)	(41,535)	(34,901)	(135)	(135)
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS												
	(9,577,855)	(9,067,152)	(1,131,252)	(38,193)	102,132	652,266	(22,706)	(4,866)	(25,753)	(40,136)	(2,196)	(2,196)
ADJAM EOL NUCLEAR FUEL												
	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(38)	(38)
ADJAM EOL NUCLEAR SUPPLIES												
	1,041,461	514,321	57,234	707	279,312	183,654	897	105	3,956	1,257	17	17
ADJAM STORM DEFERRAL AMORT - DISTR												
	40,252,964	32,365,836	4,011,060	126,061	3,002,011	545,703	79,611	16,408	50,849	48,501	6,924	6,924
ADJAM STORM DEFERRAL AMORT - TRANS												
	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0	0
ADJAM STORM DEFERRAL AMORT - PROD												
	226,341	111,777	12,439	154	60,703	39,914	195	23	860	273	4	4
ADJAM AMORT ASHEVILLE CC												
	13,432,203	6,633,441	738,177	9,117	3,602,416	2,368,677	11,569	1,358	51,019	16,214	214	214
TOTAL OTHER AMORT ADJUSTMENTS												
	130,956,823	65,396,984	5,025,000	45,390	32,526,681	26,935,705	154,027	11,571	575,633	278,799	7,032	7,032
ADJ OTHER AMORTIZATIONS												
	263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	14,184	14,184

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER TAXES											
OT LABOR RELATED	25,940,319	14,228,559	1,672,541	34,931	5,808,685	3,794,101	31,256	4,658	138,226	225,869	1,493
OT LABOR RELATED - DSM/EE	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1
OT LABOR RELATED - DERP	0	0	0	0	0	0	0	0	0	0	0
OT PROPERTY TAX - PROD	39,448,219	19,481,349	2,167,908	26,776	10,579,716	6,956,423	33,975	3,988	149,835	47,619	629
OT PROPERTY TAX - TRANS	6,298,101	3,580,164	379,296	3,203	1,527,296	804,157	3,517	468	0	0	0
OT PROPERTY TAX - DISTR	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526
OT PROPERTY TAX - GEN	2,132,870	1,329,877	155,667	3,677	343,429	178,591	3,862	425	60,320	56,799	223
OT FED HEAVY VEHICLE USE TAX	48,318	31,736	3,663	87	6,215	2,346	112	9	2,185	1,958	7
OT ELECTRIC EXCISE TAX - SC	0	0	0	0	0	0	0	0	0	0	0
OT PRIVILEGE TAX	12,154,735	6,852,263	776,119	14,014	2,539,730	1,486,559	17,705	1,678	253,138	212,705	824
OT PUC LICENSE TAX - SC	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: NC	(4,484,246)	(2,528,005)	(286,334)	(5,170)	(936,982)	(548,436)	(6,532)	(619)	(93,390)	(78,473)	(304)
OT MISC TAXES: SC	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: OTHER STATES	942	531	60	1	197	115	1	0	20	16	0
BOOK OTHER TAXES	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400
OTHER TAX ADJUSTMENTS:											
ADJOT REMOVE DSM - PLANT RELATED	(406,981)	(230,326)	(26,136)	(481)	(84,061)	(48,854)	(610)	(57)	(8,917)	(7,511)	(29)
ADJOT REMOVE JAAR PLANT REL TAX	(3,704,417)	(1,829,412)	(203,579)	(2,514)	(993,497)	(653,249)	(3,190)	(374)	(14,070)	(4,472)	(59)
ADJOT REMOVE DSM	(223,168)	(139,351)	(16,232)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)
ADJOT REMOVE JAAR PAYROLL TAX	(2,057,125)	(1,015,903)	(113,051)	(1,396)	(551,706)	(362,760)	(1,772)	(208)	(7,814)	(2,483)	(33)
Total NON-FUEL CLAUSE ADJ. TO OTHER TAX	(6,391,692)	(3,214,992)	(358,998)	(4,657)	(1,692,321)	(1,068,261)	(5,912)	(680)	(31,161)	(14,587)	(122)
ADJOT PROPERTY TAX	4,032,405	2,282,089	258,958	4,765	832,885	484,050	6,042	567	88,348	74,416	287
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS	6,557,280	3,711,010	421,103	7,749	1,354,392	787,136	9,826	921	143,667	121,011	466
ADJOT PAYROLL TAX	(1,084,057)	(594,617)	(69,896)	(1,460)	(242,747)	(158,557)	(1,306)	(195)	(5,777)	(9,439)	(62)
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ	(17,626)	(9,668)	(1,136)	(24)	(3,947)	(2,578)	(21)	(3)	(94)	(153)	(1)
ADJOT REMOVE EXPIRING OTH TAX - PROD	(22,074)	(10,901)	(1,213)	(15)	(5,920)	(3,893)	(19)	(2)	(84)	(27)	(0)
ADJOT REMOVE EXPIRING OTH TAX - LAB	26,771	14,684	1,726	36	5,995	3,916	32	5	143	233	2
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS	4,697	3,783	513	21	75	23	13	3	59	206	1
ADJOT REMOVE MERGER RELATED-PROPERTY TAX	(52,799)	(30,014)	(3,180)	(27)	(12,804)	(6,741)	(29)	(4)	0	0	0
ADJOT PLANT RETIREMENT PROP TAX - PROD	(1,020,946)	(504,190)	(56,107)	(693)	(273,810)	(180,037)	(879)	(103)	(3,878)	(1,232)	(16)
TOTAL OTHER TAX ADJUSTMENTS	2,027,262	1,643,401	191,257	5,674	(38,278)	(144,966)	7,732	506	191,164	170,221	552
ADJ OTHER TAXES	103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952
BOOK OPERATING EXPENSE SUMMARY:											
BOOK O&M EXPENSE	2,086,531,807	1,037,542,516	129,746,678	2,673,041	526,544,051	355,621,607	2,472,964	356,518	17,871,168	13,909,219	94,045
BOOK DEPRECIATION EXPENSE	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486
BOOK OTHER AMORTIZATIONS	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153
BOOK OTHER TAXES	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400
TOT OP EXPENSE BEFORE INC TAX - BOOK	2,853,864,281	1,464,535,520	181,260,860	3,693,732	692,054,314	451,906,417	3,562,292	479,967	31,371,998	24,855,098	144,084
OP INCOME BEFORE INC. TAX	803,451,791	384,405,684	60,450,922	669,423	218,369,926	102,267,792	1,731,374	33,331	33,367,792	2,093,345	62,202

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

TEST YEAR ENDING December 31, 2018

NCUC Form E-1

Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
TEMPORARY DIFFERENCES:												
TXD INTEREST CHARGES	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
TOTAL OPERATING INTEREST DEDUCTIONS	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
BOOK OPERATING INTEREST DEDUCTIONS	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
TAXABLE INCOME BEFORE SIT	593,493,090	266,040,930	47,044,381	427,354	174,499,090	76,589,235	1,425,534	4,350	28,995,128	(1,580,876)	47,964	

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
CURRENT INCOME TAXES:											
TOTAL STATE INCOME TAX - PB BLENDED	(2,970,862)	(1,331,727)	(235,491)	(2,139)	(873,494)	(383,385)	(7,136)	(22)	(145,142)	7,913	(240)
FEDERAL INCOME TAX-PER BOOKS	(50,006,022)	(22,415,844)	(3,963,824)	(36,008)	(14,702,792)	(6,453,189)	(120,111)	(367)	(2,443,046)	133,200	(4,041)
INVESTMENT TAX CREDITS:											
ITC - PRODUCTION RELATED	(1,732,635)	(855,655)	(95,218)	(1,176)	(464,680)	(305,538)	(1,492)	(175)	(6,581)	(2,092)	(28)
ITC - TRANSMISSION RELATED	(162,559)	(90,793)	(9,650)	(84)	(39,400)	(22,468)	(94)	(12)	(44)	(14)	(0)
ITC - DISTRIBUTION RELATED	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)
ITC - GENERAL RELATED	(69,221)	(43,160)	(5,052)	(119)	(11,146)	(5,796)	(125)	(14)	(1,958)	(1,843)	(7)
ITC - HARRIS DISALLOW.- NCR	213,806	105,587	11,750	145	57,341	37,703	184	22	812	258	3
ITC - HARRIS DISALLOW.- SCR	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.- WHSLE	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.-NCEMPA	0	0	0	0	0	0	0	0	0	0	0
BOOK INVESTMENT TAX CREDITS	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE															
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL				
DEFERRED INCOME TAXES:															
BOOK DEFERRED INCOME TAXES	168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611				
	168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611				
BOOK DEFERRED INCOME TAXES															
	168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611				
NET CURR & DEF STATE & FED INC TAX ADJUSTMENTS:															
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	(91,446,601)	(46,184,034)	(8,076,569)	(139,391)	(22,252,450)	(14,958,708)	(60,723)	(3,651)	50,026	178,882	18				
ADJ IT REMOVE NC EDIT RIDER	18,743,332	8,401,940	1,485,727	13,496	5,510,922	2,418,794	45,020	137	915,706	(49,926)	1,515				
ADJ IT CHANGE IN NC TAX RATE	(2,228,363)	(998,893)	(176,636)	(1,605)	(655,184)	(287,566)	(5,352)	(16)	(108,867)	5,936	(180)				
ADJ IT INTEREST SYNCHRONIZATION	79,672	44,915	5,087	92	16,647	9,744	116	11	1,659	1,394	5				
ADJ IT CASH WK CAP INTEREST SYNCHRONIZATION	122,534	69,079	7,824	141	25,603	14,986	178	17	2,552	2,144	8				
ADJ IT ITC ADJUSTMENT - PROD	(919,732)	(454,206)	(50,545)	(624)	(246,665)	(162,188)	(792)	(93)	(3,493)	(1,110)	(15)				
ADJ IT ITC ADJUSTMENT - TRANS	(150,571)	(85,592)	(9,068)	(77)	(36,514)	(19,225)	(84)	(11)	0	0	0				
ADJ IT ITC ADJUSTMENT - DISTR	(382,060)	(260,997)	(30,649)	(822)	(37,501)	(9,373)	(1,062)	(84)	(21,880)	(19,625)	(68)				
ADJ IT ITC ADJUSTMENT - GEN	(15,906)	(9,918)	(1,161)	(27)	(2,561)	(1,332)	(29)	(3)	(450)	(424)	(2)				
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs															
	(76,197,695)	(39,477,705)	(6,845,989)	(128,816)	(17,677,702)	(12,994,869)	(22,728)	(3,693)	835,254	117,271	1,282				
ADJ NET CURR & DEF STATE & FED INC TAXES															
	39,243,801	12,270,434	2,304,705	(45,691)	16,264,456	1,902,653	254,556	(2,847)	6,475,153	(190,228)	10,611				
TOTAL OPER EXPENSE - PB															
	2,967,194,543	1,515,153,283	190,284,455	3,774,847	725,503,190	466,498,993	3,837,046	480,555	36,983,473	24,525,384	153,317				
TOTAL OPER EXPENSE - ADJ															
	2,967,578,035	1,516,093,672	179,595,190	3,350,138	755,110,708	444,575,038	4,082,013	450,841	38,624,298	25,534,497	161,640				

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #458 "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 458 COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>PRODUCTION PLANT IN SERVICE:</b>											
PRODUCTION PLANT	10,659,392,763	5,264,099,426	585,795,443	7,235,206	2,858,769,051	1,879,710,855	9,180,476	1,077,591	40,487,383	12,867,271	170,061
CONTRA AFUDC - WHS	0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL	(321,021,266)	(158,535,096)	(17,641,980)	(217,897)	(86,095,492)	(56,609,900)	(276,482)	(32,453)	(1,219,329)	(387,514)	(5,122)
CONTRA AFUDC - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(191,580,783)	(21,319,345)	(263,317)	(104,041,578)	(68,409,893)	(334,113)	(39,218)	(1,473,491)	(468,289)	(6,189)
HARRIS DISALLOWANCE - SC	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA	0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC	(11,032,277)	(5,448,247)	(606,286)	(7,488)	(2,958,774)	(1,945,466)	(9,502)	(1,115)	(41,904)	(13,317)	(176)
CWIP IN RATE BASE - NC RETAIL	102,930,000	50,831,578	5,656,600	69,865	27,605,053	18,151,000	88,649	10,406	390,957	124,250	1,642
<b>TOTAL PRODUCTION PLANT</b>	<b>10,042,333,004</b>	<b>4,959,366,878</b>	<b>551,884,431</b>	<b>6,816,369</b>	<b>2,693,278,260</b>	<b>1,770,896,596</b>	<b>8,649,029</b>	<b>1,015,210</b>	<b>38,143,616</b>	<b>12,122,400</b>	<b>160,216</b>
<b>TRANSMISSION PLANT IN SERVICE:</b>											
TRANSMISSION PLANT - TRAN	1,492,257,550	848,275,929	89,869,598	758,804	361,874,006	190,535,012	833,346	110,856	0	0	0
TRANSMISSION PLANT - PROD	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
TRANS PLANT - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSLE/PA	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL TRANSMISSION PLANT</b>	<b>1,621,142,803</b>	<b>905,450,081</b>	<b>96,232,008</b>	<b>837,387</b>	<b>392,923,514</b>	<b>224,062,857</b>	<b>933,057</b>	<b>122,560</b>	<b>439,739</b>	<b>139,753</b>	<b>1,847</b>
<b>DISTRIBUTION PLANT IN SERVICE</b>											
<b>SUBSTATIONS:</b>											
SUBSTATIONS - RETAIL	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL DIST SUBSTATIONS</b>	<b>766,620,272</b>	<b>490,669,122</b>	<b>45,887,825</b>	<b>180,868</b>	<b>147,152,526</b>	<b>73,301,129</b>	<b>4,715,814</b>	<b>26,631</b>	<b>3,210,223</b>	<b>1,020,239</b>	<b>455,894</b>
<b>OVERHEAD LINES:</b>											
PRIMARY POLES - CUSTOMER	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872
PRIMARY POLES - DEMAND	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682
SECONDARY POLES - CUSTOMER	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0
SECONDARY POLES - DEMAND	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0
PRIMARY CONDUCTOR - CUST	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417
PRIMARY CONDUCTOR - DEMAND	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950
PRIMARY COND - ADDL FAC RETAIL	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0
PRIMARY COND - ADDL FAC WHSL	0	0	0	0	0	0	0	0	0	0	0
SECONDARY COND - CUSTOMER	105,432,830	90,157,194	12,022,066	451,617	2,596,177	0	28,625	58,603	0	118,558	0
SECONDARY COND - DEMAND	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0
<b>TOTAL DIST OVERHEAD LINES</b>	<b>1,615,678,121</b>	<b>1,299,103,638</b>	<b>160,996,393</b>	<b>5,059,839</b>	<b>120,495,082</b>	<b>21,903,503</b>	<b>3,195,436</b>	<b>658,585</b>	<b>2,040,969</b>	<b>1,946,754</b>	<b>277,922</b>
<b>UNDERGROUND LINES:</b>											
U/G LINES - PRIMARY CUSTOMER	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305
U/G LINES - SECONDARY CUSTOMER	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0
U/G LINES - PRIMARY DEMAND	386,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251
U/G LINES - SECONDARY DEMAND	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0
<b>TOTAL DIST UNDERGRND LINES</b>	<b>1,180,375,674</b>	<b>921,954,349</b>	<b>107,709,679</b>	<b>2,843,400</b>	<b>122,461,822</b>	<b>17,528,706</b>	<b>3,232,750</b>	<b>371,430</b>	<b>2,502,294</b>	<b>1,504,688</b>	<b>266,556</b>

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>LINE TRANSFORMERS:</b>											
LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST LINE TRNSFRMS	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656
<b>SERVICES:</b>											
SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
TOTAL DIST SERVICES	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
<b>METERS:</b>											
METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST METERS	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855
STREET LIGHTS	305,063,146	0	0	0	0	0	0	0	0	305,063,146	0
AREA LIGHTS	335,794,236	0	0	0	0	0	0	0	335,794,236	0	0
DISTR PLANT SUBTOTAL	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883
<b>TOTAL DISTRIBUTION PLANT</b>											
	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883
<b>GENERAL PLANT:</b>											
GENERAL PLANT - PROD	17,122,557	8,455,908	940,984	11,622	4,592,141	3,019,446	14,747	1,731	65,036	20,669	273
GENERAL PLANT - T/D	270,260,876	177,508,741	20,489,190	488,380	34,761,998	13,120,904	625,226	50,946	12,223,073	10,954,249	38,169
GENERAL PLANT - CUST/SALES	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177
GENERAL PLANT - LABOR	155,091,156	85,069,254	9,999,738	208,844	34,728,779	22,684,052	166,872	27,849	826,422	1,350,418	8,927
TOTAL GENERAL PLANT	463,721,560	289,137,371	33,844,666	799,531	74,667,183	38,828,611	839,683	92,294	13,114,531	12,349,143	48,547
TOTAL TANGIBLE PLANT	18,179,460,015	10,288,436,620	1,167,470,195	21,482,277	3,754,928,487	2,182,261,619	27,240,492	2,554,003	398,302,804	335,491,023	1,292,493
<b>INTANGIBLE PLANT:</b>											
INTANGIBLE PLT	355,422,647	201,146,974	22,824,954	419,995	73,411,786	42,664,920	532,573	49,933	7,787,131	6,559,112	25,269
BOOK PLANT IN SERVICE	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
PLANT IN SERVICE ADJUSTMENTS:												
ADJPLT DSDR TRANSMISSION	(357,191)	(203,046)	(21,511)	(182)	(86,619)	(45,607)	(199)	(27)	0	0	0	0
ADJPLT DSDR DISTRIBUTION	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(14,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)	(25,744)	(25,744)
ADJPLT DSDR GENERAL	(12,654,267)	(7,890,126)	(923,570)	(21,818)	(2,037,556)	(1,059,575)	(22,914)	(2,519)	(357,876)	(336,990)	(1,325)	(1,325)
ADJPLT DSDR INTANGIBLE	(22,134,240)	(12,526,594)	(1,421,443)	(26,156)	(4,571,780)	(2,656,993)	(33,166)	(3,110)	(484,950)	(408,474)	(1,574)	(1,574)
Total DSDR ADJ TO PLANT IN SERVICE	(179,159,906)	(119,000,195)	(13,919,263)	(358,181)	(20,831,662)	(7,296,118)	(456,483)	(37,158)	(9,090,325)	(8,142,879)	(28,642)	(28,642)
ADJPLT REMOVE JAAR EPIS	(763,193,785)	(376,900,266)	(41,941,924)	(518,028)	(204,682,839)	(134,583,993)	(657,306)	(77,154)	(2,898,825)	(921,274)	(12,176)	(12,176)
ADJPLT ADDITIONS TO EPIS PROD	850,542,876	420,037,273	46,742,263	577,317	228,109,209	149,987,407	732,536	85,984	3,230,602	1,026,716	13,570	13,570
ADJPLT ADDITIONS TO EPIS TRANS	166,473,461	94,632,076	10,025,684	84,651	40,369,987	21,255,730	92,967	12,367	0	0	0	0
ADJPLT ADDITIONS TO EPIS DIST	732,785,417	500,587,715	58,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159	130,990	130,990
ADJPLT ADDITIONS TO EPIS GEN	58,838,387	36,686,620	4,294,313	101,447	9,473,997	4,926,691	106,542	11,711	1,664,011	1,566,896	6,160	6,160
ADJPLT ADDITIONS TO EPIS INT	25,212,258	14,268,560	1,619,111	29,793	5,207,538	3,026,478	37,779	3,542	552,388	465,277	1,792	1,792
ADJPLT REMOVE ASHEVILLE CWP IN RATEBASE	(102,930,389)	(50,831,770)	(5,656,622)	(69,865)	(27,605,157)	(18,151,069)	(88,650)	(10,406)	(390,959)	(124,250)	(1,642)	(1,642)
Total ADDITIONS ADJ TO PLANT IN SERVICE	1,730,922,011	1,015,380,474	115,808,382	2,300,844	327,482,089	179,021,862	2,917,521	263,496	47,021,675	40,574,798	150,870	150,870
ADJPLT PLANT RETIREMENT - PROD	(283,932,778)	(140,219,092)	(15,603,753)	(192,723)	(76,148,638)	(50,069,599)	(244,539)	(28,704)	(1,078,457)	(342,744)	(4,530)	(4,530)
Total ADI for OTHER CLAUSES	(942,353,691)	(495,900,461)	(55,861,187)	(876,209)	(225,514,501)	(141,879,111)	(1,113,789)	(114,312)	(11,989,151)	(9,064,153)	(40,818)	(40,818)
EPIS ADJUSTMENTS	504,635,542	379,260,922	44,343,442	1,231,912	25,818,951	(12,926,849)	1,559,194	120,480	33,954,067	31,167,902	105,522	105,522
ADJ PLANT IN SERVICE	19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284	1,423,284

DUKE ENERGY PROGRESS, LLC

Item No. 45B "Proforma Adjusted"

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"

Item No. 45B COS "Proforma Adjusted"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

TEST YEAR ENDING December 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RESERVE FOR DEPRECIATION											
PRODUCTION FUNCTION:											
DPR PRODUCTION RELATED	(4,493,833,278)	(2,219,261,988)	(246,962,197)	(3,050,250)	(1,205,212,321)	(792,456,696)	(3,870,345)	(454,295)	(17,068,847)	(5,424,640)	(71,695)
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF .NCEMPA -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC .NC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC .SC RET-PROD	238,121,493	117,595,368	13,086,157	161,628	63,862,395	41,991,093	205,084	24,072	904,453	287,444	3,799
DPR CONTRA AFUDC .WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NC	254,433,596	125,651,036	13,982,601	172,700	68,237,179	44,867,621	219,133	25,721	966,411	307,134	4,059
DPR HARRIS DISALLOW. - SC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(167,959,493)	(18,690,739)	(230,851)	(91,213,589)	(59,975,175)	(292,918)	(34,382)	(1,291,815)	(410,551)	(5,426)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION RESERVE	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)
TRANSMISSION FUNCTION:											
DPR TRANS RELATED - PROD	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
DPR TRANS RELATED - TRANS	(445,657,941)	(253,334,891)	(26,839,268)	(226,615)	(108,072,513)	(56,902,671)	(248,876)	(33,107)	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION RESERVE	(481,986,883)	(271,275,797)	(28,835,754)	(251,273)	(117,815,663)	(63,309,031)	(280,165)	(36,779)	(137,988)	(43,854)	(580)
DISTRIBUTION FUNCTION:											
DPR DISTRIBUTION RELATED	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
TOTAL DISTRIBUTION RESERVE	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
GENERAL FUNCTION:											
DPR GENERAL RELATED	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)
TOTAL GENERAL RESERVE	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)
INTANGIBLE:											
TOTAL LIMITED TERM PLT RESERVE	(217,573,011)	(123,132,708)	(13,972,363)	(257,101)	(44,939,239)	(26,117,455)	(326,016)	(30,566)	(4,766,915)	(4,015,179)	(15,469)
BOOK DEPRECIATION RESERVE	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)



DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES

TEST YEAR ENDING December 31, 2018

Item No. 45B COS "Proforma Adjusted"

NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION RESERVE ADJUSTMENTS:											
ADJDDPR DSDR Trans	59,333	33,728	3,573	30	14,388	7,576	33	4	0	0	0
ADJDDPR DSDR Dist	38,449,890	26,266,274	3,084,428	82,773	3,774,047	943,249	106,849	8,411	2,201,973	1,975,012	6,873
ADJDDPR DSDR Gen	3,607,292	2,249,201	263,278	6,220	580,836	302,048	6,532	718	102,018	96,064	378
ADJDDPR DSDR INT	21,856,886	12,369,630	1,403,632	25,828	4,514,493	2,623,700	32,751	3,071	478,873	403,356	1,554
ADJDDPR YE DEPR RES-JAAR	93,549,134	46,198,874	5,141,067	63,498	25,089,175	16,496,749	80,570	9,457	355,326	112,926	1,492
Total DSDR ADJ TO DEPRECIATION RESERVE	157,522,536	87,117,707	9,895,978	178,348	33,972,940	20,373,321	226,735	21,661	3,138,191	2,587,358	10,297
ADJDDPR ADDITIONS TO EPIS- PROD	(223,453,606)	(110,351,690)	(12,280,071)	(151,672)	(59,928,578)	(39,404,512)	(192,451)	(22,590)	(848,740)	(269,738)	(3,565)
ADJDDPR ADDITIONS TO EPIS- TRANS	(15,314,554)	(8,705,580)	(922,302)	(7,787)	(3,713,795)	(1,955,399)	(8,552)	(1,138)	0	0	0
ADJDDPR ADDITIONS TO EPIS- DIST	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)
ADJDDPR ADDITIONS TO EPIS- GEN	23,255,532	14,500,174	1,697,302	40,096	3,744,543	1,947,246	42,110	4,629	657,691	619,307	2,435
ADJDDPR ADDITIONS TO EPIS- INT	(37,928,966)	(21,465,421)	(2,435,768)	(44,820)	(7,834,147)	(4,552,992)	(56,834)	(5,329)	(831,005)	(699,956)	(2,697)
Total ADDITIONS ADJ TO DEPRECIATION RESERVE	(380,295,911)	(212,680,508)	(24,117,021)	(437,268)	(80,183,357)	(47,077,635)	(568,244)	(52,177)	(8,286,829)	(6,866,369)	(26,503)
ADJDDPR YE DEPR RES-MERGER TRANS	342,408	194,643	20,621	174	83,034	43,720	191	25	0	0	0
ADJDDPR NEW RATES - PROD	(76,735,677)	(37,895,614)	(4,217,070)	(52,085)	(20,579,932)	(13,531,811)	(66,089)	(7,757)	(291,464)	(92,630)	(1,224)
ADJDDPR NEW RATES - TRANS	(5,010,270)	(2,848,095)	(301,738)	(2,548)	(1,214,996)	(639,723)	(2,798)	(372)	0	0	0
ADJDDPR NEW RATES - DIST	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661
ADJDDPR NEW RATES - GEN	(9,728,952)	(6,066,148)	(710,066)	(16,774)	(1,566,529)	(814,630)	(17,617)	(1,936)	(275,145)	(259,087)	(1,019)
Total ADJUSTMENT FOR NEW DEPR. RATES	(87,778,630)	(44,284,825)	(4,932,362)	(63,450)	(22,998,650)	(14,895,488)	(76,232)	(9,257)	(354,928)	(161,855)	(1,582)
ADJDDPR PLANT RETIREMENT - PROD	208,381,799	102,908,536	11,451,788	141,442	55,886,433	36,746,702	179,470	21,066	791,493	251,544	3,325
TOTAL DEPR RESERVE ADJUSTS	(101,827,798)	(66,744,447)	(7,680,995)	(180,754)	(13,239,600)	(4,809,380)	(238,080)	(18,682)	(4,712,074)	(4,189,323)	(14,463)
ADJ DEPRECIATION RESERVE	(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,636,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)
BOOK NET PLANT IN SERVICE	10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #458 "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 458 COS "Proforma Adjusted"

Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
ADJNUC NUC FUEL - JAAR	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)
ADJ NUCLEAR FUEL INVENTORY	203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284
ACCUM DEFERRED INCOME TAXES:											
DFTR NC CLEAN AIR	17,880,376	8,830,154	982,630	12,137	4,795,383	3,153,082	15,400	1,808	67,915	21,584	285
DFTR ALL PLANT RELATED	(1,688,562,520)	(951,931,435)	(107,820,173)	(1,946,809)	(352,824,859)	(206,516,079)	(2,459,669)	(233,075)	(35,166,516)	(29,549,392)	(114,512)
DFTR TRANSMISSION RELATED	0	0	0	0	0	0	0	0	0	0	0
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND	79,100,913	39,063,677	4,341,054	53,691	21,214,271	13,948,904	68,126	7,997	300,448	95,485	1,262
SC RETAIL - HARRIS ACCELERATED DEPR UNWIND	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT NC RETAIL - FED TAX CHANGE	272,646,772	153,705,315	17,409,377	314,345	56,969,498	33,345,489	397,155	37,634	5,678,224	4,771,246	18,480
DFTR EDIT SC RETAIL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
BOOK ACCUM DEFERRED INC TAX	(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)
ADJDFTR REMOVE DSM	50,920,087	31,795,563	3,703,625	60,637	14,387,832	775,446	77,659	9,129	82,174	27,683	339
ADJDFTR REMOVE REPS	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)
ADJDFTR REMOVE JAAR: PLANT REL	42,714,185	24,080,231	2,727,439	49,247	8,925,122	5,224,068	62,220	5,896	889,579	747,487	2,897
ADJDFTR REMOVE DSDR - TRANS PLANT	45,457	25,840	2,738	23	11,023	5,804	25	3	0	0	0
ADJDFTR REMOVE DSDR - DISTR PLANT	18,048,049	12,329,164	1,447,804	38,853	1,771,505	442,753	50,154	3,948	1,033,587	927,054	3,226
ADJDFTR REMOVE DSDR - GEN PLANT	1,585,849	988,801	115,743	2,734	255,349	132,787	2,872	316	44,849	42,232	166
ADJDFTR REMOVE DSDR - INTANG PLANT	2,773,892	1,569,849	178,137	3,278	572,941	332,978	4,156	390	60,775	51,191	197
Total ADJUSTMENT FOR OTHER CLAUSES TO ACC DEF INC TAX	89,762,021	61,972,415	(3,851,666)	(334,293)	22,326,943	6,797,487	158,871	(27,368)	1,023,012	1,694,150	2,469
ADJDFTR ADDITIONS TO EPIS - PROD	(22,069,898)	(10,899,133)	(1,212,869)	(14,980)	(5,918,981)	(3,891,875)	(19,008)	(2,231)	(83,828)	(26,641)	(352)
ADJDFTR ADDITIONS TO EPIS - TRANS	(1,216,401)	(691,465)	(73,256)	(619)	(294,978)	(155,313)	(679)	(90)	0	0	0
ADJDFTR ADDITIONS TO EPIS - DIST	(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)
ADJDFTR ADDITIONS TO EPIS - GEN	(1,385,067)	(863,610)	(101,089)	(2,388)	(223,020)	(115,975)	(2,508)	(276)	(39,171)	(36,885)	(145)
ADJDFTR ADDITIONS TO EPIS - INT	(185,832)	(105,169)	(11,934)	(220)	(38,383)	(22,307)	(278)	(26)	(4,071)	(3,429)	(13)
Total ADDITIONS ADJ TO ACC DEF INC TAX	(30,983,058)	(16,744,136)	(1,890,561)	(31,394)	(7,076,646)	(4,335,750)	(39,497)	(3,963)	(477,890)	(381,616)	(1,605)
ADJDFTR ADIT RELATED TO ASH DEFERRAL	(98,145,346)	(42,415,690)	(4,965,271)	(80,460)	(28,403,963)	(21,257,727)	(109,120)	(12,101)	(681,550)	(216,603)	(2,863)
ADJDFTR RATE CASE EXP DEFERRAL	(618,649)	(348,765)	(39,503)	(713)	(129,267)	(75,663)	(901)	(85)	(12,884)	(10,826)	(42)
ADJDFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS	19,427,691	10,952,410	1,240,521	22,399	4,059,413	2,376,063	28,300	2,682	404,607	339,979	1,318
ADJDFTR SEVERANCE DEFERRAL	(5,371,966)	(2,946,584)	(346,366)	(7,234)	(1,202,917)	(785,718)	(6,473)	(965)	(28,625)	(46,775)	(309)
ADJDFTR ADIT RELATED TO STORM DEFERRAL	(141,653,320)	(113,897,899)	(14,115,233)	(443,617)	(10,564,312)	(1,920,373)	(280,157)	(57,741)	(170,940)	(170,680)	(24,367)
ADJDFTR ADIT RETIRED PLANT - PROD	(15,109,247)	(7,461,643)	(830,341)	(10,256)	(4,052,187)	(2,664,412)	(13,013)	(1,527)	(57,389)	(18,239)	(241)
ADJDFTR ADIT ASHEVILLE CC	(6,224,295)	(3,073,844)	(342,061)	(4,225)	(1,669,309)	(1,097,612)	(5,361)	(629)	(23,642)	(7,514)	(99)
TOTAL ACCUM DEF TAX ADJUSTS	(188,916,170)	(113,963,734)	(25,140,481)	(889,793)	(26,712,245)	(22,963,704)	(267,351)	(101,698)	(33,301)	1,181,877	(25,739)
ADJ ACCUM DEFERRED INC TAX	(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45B COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
REGULATORY ASSETS:											
RA SFAS 109	98,673,185	55,627,260	6,300,602	113,764	20,617,746	12,068,016	143,734	13,620	2,054,998	1,726,754	6,692
RA SFAS 158	295,477,336	162,072,662	19,051,350	397,887	66,164,748	43,217,315	356,026	53,058	1,574,486	2,572,796	17,008
RA MAYO 2 ABANDONMENT - WHS	0	0	0	0	0	0	0	0	0	0	0
RA PRODUCTION REL	22,913,419	11,315,702	1,259,225	15,553	6,145,207	4,040,624	19,734	2,316	87,032	27,659	366
RA GRIDSOUTH	0	0	0	0	0	0	0	0	0	0	0
RA SC DERP	0	0	0	0	0	0	0	0	0	0	0
RA REPS DEFERRAL	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
RA DSMEE DEFERRAL	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464
RA PSNC PIPELINE	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
RA POLLUTION CNTL DEFERRAL - SC	0	0	0	0	0	0	0	0	0	0	0
RA EMISSION ALLOWANCE PROCEEDS - NCR	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43
RA DISTRIBUTION REL	19,424,242	13,269,283	1,558,202	41,815	1,906,585	476,514	53,978	4,249	1,112,400	997,743	3,472
RA STORM REL REG ASSETS (LIABILITIES)- NCR	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828
RA STORM REL REG ASSETS (LIABILITIES)- SCR	0	0	0	0	0	0	0	0	0	0	0
RA METER PLANT RETIREMENTS	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020
RL EDIT NC RETAIL - FED TAX CHANGE	(1,176,758,753)	(663,400,754)	(75,139,849)	(1,356,731)	(245,883,547)	(143,920,999)	(1,714,143)	(162,430)	(24,507,535)	(20,592,963)	(79,804)
RL EDIT SC RETAIL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RL EDIT WHL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RA OVER AMORTIZATIONS - NC RETAIL	(3,452,689)	(1,946,462)	(220,465)	(3,981)	(721,439)	(422,274)	(5,029)	(477)	(71,907)	(60,421)	(234)
RA PLANT REL	(18,159,563)	(10,237,500)	(1,159,547)	(20,937)	(3,794,436)	(2,220,967)	(26,452)	(2,507)	(378,197)	(317,787)	(1,232)
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)	0	0	0	0	0	0	0	0	0	0	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088
BOOK REGULATORY ASSETS											
	(439,579,232)	(227,173,001)	(71,300,921)	(2,381,283)	(53,854,338)	(45,152,044)	(706,061)	(221,202)	(23,192,828)	(15,540,545)	(57,009)
REGULATORY ASSET ADJUSTMENTS:											
ADJRA REMOVE DSM	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)
ADJRA REMOVE REPS	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727
ADJRA REMOVE JAAR	(44,392,629)	(21,923,126)	(2,439,632)	(30,132)	(11,905,770)	(7,828,336)	(35,233)	(4,488)	(168,616)	(53,588)	(708)
ADJRA ADJUST RETIRED METERS	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)
ADJRA NC COAL ASH DEFERRAL	423,600,817	183,068,494	21,430,389	347,269	122,593,097	91,749,540	470,967	52,229	2,941,606	934,870	12,356
ADJRA ANNUAL/ REM EXP. REG ASSETS - PROD	(12,930,007)	(6,385,433)	(710,579)	(8,776)	(3,467,731)	(2,280,118)	(11,136)	(1,307)	(49,112)	(15,608)	(206)
ADJRA ANNUAL/ REM EXP. REG ASSETS - ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)
ADJRA ANNUAL/ REM EXP. REG ASSETS - DIST	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,358)	(186)	(48,592)	(43,583)	(152)
ADJRA ANNUAL/ REM EXP. REG ASSETS - PLANT	1,706,244	961,899	108,949	1,967	356,519	208,679	2,485	236	35,535	29,859	116
ADJRA ANNUAL/ REM EXP. REG ASSETS - STORM	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS											
	(83,851,003)	(41,452,184)	(4,885,177)	(95,009)	(21,409,721)	(15,221,470)	(101,125)	(13,493)	(492,974)	(175,814)	(4,037)
ADJRA DEFERRED SEVERANCE	23,185,707	12,717,623	1,494,934	31,222	5,191,856	3,391,204	27,937	4,163	123,548	201,884	1,335
ADJRA ADJUST STORM DEFERRAL	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,639,847	1,114,554	229,712	711,881	679,019	96,938
ADJRA ADJUST STORM DEFERRAL-TRANS	44,673,398	25,394,657	2,690,407	22,716	10,833,345	5,704,006	24,948	3,319	0	0	0
ADJRA ADJUST STORM DEFERRAL-PROD	3,168,770	1,564,885	174,142	2,151	849,840	556,791	2,729	320	12,036	3,825	51
ADJRA ADJUST RETIRED PLANT - PROD	65,212,359	32,204,868	3,583,797	44,264	17,489,465	11,499,752	56,165	6,593	247,695	78,720	1,040
ADJRA ADJUST ASHEVILLE CC	26,864,406	13,266,882	1,476,355	18,235	7,204,832	4,737,354	23,137	2,716	102,039	32,429	429
TOTAL REG ASSETS ADJUSTMENTS											
	913,951,947	557,395,611	115,236,959	3,940,241	126,199,839	99,383,408	1,409,314	443,839	7,799,931	2,018,220	124,586
ADJ REGULATORY ASSETS	474,372,715	330,222,609	43,936,038	1,558,958	72,345,501	54,231,364	703,254	222,637	(15,392,898)	(13,522,325)	67,577

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45B COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OPERATING RESERVES:											
OR LABOR RELATED OR COAL MINES & ENERGY RELATED	(53,352,760) (1,095,246)	(29,264,593) (473,335)	(3,440,000) (65,410)	(71,844) (899)	(11,947,014) (316,972)	(7,803,519) (237,224)	(64,286) (1,218)	(9,580) (135)	(284,297) (7,606)	(464,566) (2,417)	(3,071) (32)
BOOK OPERATING RESERVES	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)
TOTAL OPERATING RESERVES	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)
WORKING CAPITAL:											
MATERIALS AND SUPPLIES:											
WC MAT & SUP PLUS STORES EXP	494,677,061	279,956,258	31,767,760	584,549	102,174,486	59,381,014	741,235	69,496	10,838,125	9,128,968	35,170
WC EMISSION ALLOWANCES	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40
WC EMISSION ALLOWANCE PROCEEDS - REPS	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927
WC FUEL INVENTORY	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922
BOOK MATERIALS & SUPPLIES	750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059
MATERIAL & SUPPLIES ADJUSTMENTS:											
ADJWC REPS Inventory	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)
ADJWC M&S Inventory - JAAR	(36,622,206)	(18,085,733)	(2,012,603)	(24,856)	(9,821,800)	(6,458,075)	(31,541)	(3,702)	(139,101)	(44,208)	(584)
ADJWC FUEL INVENTORY	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281
ADJWC RETIRED PLANT INVENTORY	(6,948,509)	(3,932,421)	(446,226)	(8,211)	(1,435,200)	(834,099)	(10,412)	(976)	(152,238)	(128,231)	(494)
ADJWC ASHEVILLE CC INVENTORY	3,706,782	2,097,782	238,044	4,380	766,619	444,957	5,554	521	81,213	68,406	264
TOT MATERIALS & SUPP ADJUSTS	(150,651,332)	(56,086,086)	(56,752,429)	(2,238,064)	(24,155,191)	(5,291,228)	(200,499)	(218,201)	(5,120,119)	(547,055)	(20,460)
ADJ MATERIALS & SUPPLIES	600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598
CASH WORKING CAPITAL:											
WC DEFERRED DEBITS	4,658,858	2,626,443	297,483	5,371	973,468	569,792	6,786	643	97,027	81,529	316
WC PRELIMINARY SURVEY CHARGES	4,991,249	2,464,909	274,298	3,388	1,338,616	880,173	4,299	505	18,958	6,025	80
WC UNAMORTIZED DEBT EXPENSE	28,713,534	16,187,328	1,833,452	33,105	5,999,688	3,511,748	41,826	3,963	597,997	502,479	1,947
WC UNAMORTIZED LOSS ON REACQ DEBT	3,047,690	1,718,143	194,605	3,514	636,814	372,741	4,439	421	63,472	53,334	207
WC CUSTOMER DEPOSITS - INPUT	(116,586,156)	(99,338,867)	(13,250,447)	(497,610)	(3,206,026)	(23,097)	(70,446)	(64,571)	(0)	(130,632)	(6,457)
WC CUST ADV FOR CONSTRUCTION	(23,190,077)	(15,841,838)	(1,860,295)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)
WC CASH ALLOW LEAD/LAG	161,309,802	90,938,813	10,300,152	185,980	33,705,656	19,128,655	234,974	22,266	3,359,487	2,822,878	10,939
BOOK CASH WORKING CAPITAL	62,942,898	(1,245,069)	(2,210,752)	(316,174)	37,171,993	24,471,116	157,433	(41,846)	2,808,876	2,144,435	2,886
WC CASH ALLOW ADJ	(27,084,518)	(15,268,966)	(1,729,434)	(31,227)	(5,659,306)	(3,312,515)	(39,453)	(3,739)	(564,070)	(473,972)	(1,837)
WC RATE CASE DEFERRAL ADJ	2,670,122	1,505,288	170,496	3,078	557,922	326,564	3,889	369	55,609	46,726	181
TOT CASH WORK CAPITAL ADJUSTS	(24,414,396)	(13,763,678)	(1,558,938)	(28,148)	(5,101,384)	(2,985,951)	(35,564)	(3,370)	(508,462)	(427,245)	(1,656)
ADJ CASH WORK CAPITAL	38,528,502	(15,008,747)	(3,769,690)	(344,322)	32,070,609	21,485,165	121,870	(45,216)	2,300,415	1,717,189	1,231
BOOK WORKING CAPITAL	813,881,423	377,748,766	91,448,331	2,617,011	195,111,533	113,805,009	1,224,509	259,630	19,567,208	12,037,481	61,945
TOT ADJUSTED WORKING CAPITAL	638,815,694	307,897,002	33,136,964	330,798	166,854,958	105,527,830	988,446	38,059	13,938,627	11,063,181	39,829
BOOK RATE BASE	9,782,137,480	5,418,147,922	616,932,820	10,949,725	2,130,406,645	1,244,828,551	14,099,172	1,327,831	188,299,097	156,516,115	629,602
ADJUSTED RATE BASE	10,707,849,602	6,090,878,233	663,892,962	12,746,747	2,205,958,205	1,290,462,001	16,302,876	1,547,463	219,576,336	185,687,820	796,960

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PRESENT RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45B COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL
DEVELOP LABOR FACTOR												
PRODUCTION LABOR:												
LAB01 LABOR-PROD DEMAND REL	131,428,149	64,905,277	7,222,739	89,209	35,248,042	23,176,453	113,193	13,286	499,201	158,651	2,097	
LAB02 LABOR-PROD ENERGY REL	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055	
TOTAL PRODUCTION LABOR	236,152,791	110,164,356	12,520,863	175,062	65,556,100	45,859,218	229,628	26,199	1,226,439	389,774	5,151	
TRANSMISSION LABOR:												
LAB04 LABOR-TRANS PROD REL	858,948	424,188	47,204	583	230,363	151,470	740	87	3,263	1,037	14	
LAB05 LABOR-TRANS PST REL	10,534,961	5,988,614	634,457	5,357	2,554,739	1,345,129	5,883	783	0	0	0	
TOTAL TRANSMISSION LABOR	11,393,909	6,412,802	681,661	5,940	2,785,102	1,496,599	6,623	869	3,263	1,037	14	
DISTRIBUTION LABOR:												
LAB442 LABOR-SUPERVISION&ENGINEERING	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70	
LAB12 LOAD DISPATCH	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278	
LAB13 LABOR-SUBSTATION	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	
LAB20 LABOR-OVERHEAD LINE	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	13,620	42,207	40,259	5,747	
LAB25 LABOR-UNDERGROUND LINE	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	1,167	7,860	4,727	837	
LAB26 LABOR-LINE TRANSFORMR	591,777	434,001	47,206	921	86,314	17,987	2,682	121	1,766	777	1	
LAB34 LABOR-METER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	
LAB35 LABOR-STREET LIGHT	2,001,283	0	0	0	0	0	0	0	0	2,001,283	0	
LAB36LLABOR-CUST INSTALLATNS	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185	
LAB39 LABOR-RENTS	0	0	0	0	0	0	0	0	0	0	0	
LAB38 LABOR-MISCELLANEOUS	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394	
TOTAL DISTRIBUTION LABOR	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591	
CUSTOMER ACCOUNTING LABOR												
	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040	
SALES LABOR												
	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	
CUST SERV & INFO LABOR												
	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	
ADMIN & GENERAL LABOR:												
LAB61 LABOR-AGG LABOR REL	95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	
TOTAL ADMIN & GEN LABOR	95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	
TOTAL LABOR EXPENSE	428,234,721	234,891,591	27,611,084	576,656	95,892,439	62,634,770	515,988	76,896	2,281,900	3,728,748	24,650	



**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219, E1 Item #45B "Proforma Adjusted at Current Rates"**  
**ALLOCATION Factors used in Item No. 45B COS "Proforma Adjusted at Current Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31, 2018**

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

Allocation Factors Input to TACOS Cost of Service Software			Allocation Factors Dynamically Calculated Within TACOS	
Allocator	Functionalized As	Derived Using	Total Code	Calculated As
C1	100% Customer	Number of Customers	LAB	Test Year Company Labor Expense
C2	100% Customer	No. of Customers @ Primary and Below	NB_PLT	Total Net Plant in Service
C5	100% Customer	No. of Customers @ Secondary w/ Meters	PTDG	Gross Tangible Plant in Service
C8	100% Customer	No. of Customers @ Dist. Line Xfmr and Below	RB_PLT_O_DL_	Gross Total Distribution Plant
C9	100% Customer	No. of Customers @ Secondary and Below	RB_PLT_O_DL_CPREM	Gross Installation on Cust. Premises EPIS
CK	100% Customer	Number of Meters	RB_PLT_O_DL_LNTRFMS	Gross Dist. Line Transformer EPIS
D3	100% Dist. Substation	Class Non - Coincident Peaks @ T/D Substation	RB_PLT_O_DL_METR	Gross Meter Investment
D4	100% Dist. Primary	Class Non - Coincident Peaks @ Dist Primary	RB_PLT_O_DL_OH_LN	Gross Dist. Overhead Line Investment
D8	100% Dist. Line Xfmr.	Class Non - Coincident Peaks @ Line Xfmr	RB_PLT_O_DL_STLT	Gross Street Lighting Investment
D7	100% Dist. Secondary	Class Non-Coincident Peaks @ Secondary	RB_PLT_O_DL_SUB	Gross Dist. Substation Investment
E1	100% Energy	Energy @ Prod. Output (Trans. Input)	RB_PLT_O_DL_UGL	Gross Dist. Underground Line Investment
E2	100% Energy	Energy @ Customer Meter	RB_PLT_O_GN	Gross General Plant Investment
DP	100% Prod. Demand	Summer CP Demand @ Prod. Output	RB_PLT_O_PR	Gross Production Plant Investment
DT	100% Transmission	Summer CP Demand @ Prod. Output	RB_PLT_O_TR	Gross Transmission Plant Investment
DSM	50% Prod Demand/50% Energy	DSM Test Year Revenue	TDPLT	Gross Trans. and Dist. Plant Investment
DERP	100% Prod. Demand	DERP Test Year Revenue	WKT65	Pretax Operating Income Net of Interest Before Add'l Tax Deductions

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #458 "Proforma Adjusted at Current Rates"  
ALLOCATION Factors used in Item No. 458 COS "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>System Factors - TACOS Inputs:</b>														
C1	1.00000	0.89297	0.76085	0.10149	0.00381	0.02456	0.00018	0.00054	0.00049	0.00000	0.00100	0.00005	0.10703	0.00000
CK	1.00000	0.89303	0.76187	0.10162	0.00382	0.02468	0.00039	0.00054	0.00007	0.00000	0.00000	0.00005	0.10697	0.00001
E1	1.00000	0.61109	0.26410	0.03092	0.00050	0.17685	0.13236	0.00068	0.00008	0.00424	0.00135	0.00002	0.10252	0.28639
E2	1.00000	0.60696	0.26147	0.03061	0.00050	0.17538	0.13269	0.00068	0.00007	0.00420	0.00134	0.00002	0.10208	0.29096
DP	1.00000	0.60859	0.30055	0.03345	0.00041	0.16322	0.10732	0.00052	0.00006	0.00231	0.00073	0.00001	0.09670	0.29471
DT	1.00000	0.58845	0.33450	0.03544	0.00030	0.14270	0.07513	0.00033	0.00004	0.00000	0.00000	0.00000	0.08719	0.32436
DSM	1.00000	0.81083	0.50630	0.05898	0.00097	0.22911	0.01235	0.00124	0.00015	0.00131	0.00044	0.00001	0.18917	0.00000
DERP	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000

<b>System Factors - TACOS Calculated:</b>														
LAB	1.00000	0.65895	0.36144	0.04249	0.00089	0.14756	0.09638	0.00079	0.00012	0.00351	0.00574	0.00004	0.10508	0.23597
NB_PLT	1.00000	0.66555	0.37521	0.04250	0.00077	0.13907	0.08140	0.00097	0.00009	0.01386	0.01165	0.00005	0.10192	0.23253
PTDG	1.00000	0.67395	0.38141	0.04328	0.00080	0.13920	0.08090	0.00101	0.00009	0.01477	0.01244	0.00005	0.10336	0.22269
RB_PLT_O_DL	1.00000	0.87149	0.59534	0.06991	0.00188	0.08554	0.02138	0.00242	0.00019	0.04991	0.04476	0.00016	0.12568	0.00284
RB_PLT_O_DL_CPREM	1.00000	0.82856	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.82856	0.00000	0.00000	0.17144	0.00000
RB_PLT_O_DL_INTRMS	1.00000	0.90539	0.66400	0.07222	0.00141	0.13206	0.02752	0.00410	0.00019	0.00270	0.00119	0.00000	0.09408	0.00054
RB_PLT_O_DL_METR	1.00000	0.86511	0.61003	0.08005	0.00300	0.15092	0.01745	0.00330	0.00005	0.00000	0.00000	0.00030	0.11376	0.02112
RB_PLT_O_DL_OH_LN	1.00000	0.83917	0.67474	0.08362	0.00263	0.06258	0.01138	0.00166	0.00034	0.00106	0.00101	0.00014	0.15999	0.00084
RB_PLT_O_DL_STLT	1.00000	0.86685	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.86685	0.00000	0.13315	0.00000
RB_PLT_O_DL_SUB	1.00000	0.86562	0.55403	0.05181	0.00020	0.16616	0.08277	0.00532	0.00003	0.00362	0.00115	0.00051	0.12096	0.01342
RB_PLT_O_DL_UGL	1.00000	0.90835	0.70949	0.08289	0.00219	0.09424	0.01349	0.00249	0.00029	0.00193	0.00116	0.00021	0.09165	0.00000
RB_PLT_O_GN	1.00000	0.73769	0.45996	0.05384	0.00127	0.11878	0.06177	0.00134	0.00015	0.02086	0.01964	0.00008	0.11013	0.15219
RB_PLT_O_PR	1.00000	0.60298	0.29778	0.03314	0.00041	0.16171	0.10633	0.00052	0.00006	0.00229	0.00073	0.00001	0.09636	0.30066
RB_PLT_O_TR	1.00000	0.59028	0.32969	0.03504	0.00030	0.14307	0.08158	0.00034	0.00004	0.00016	0.00005	0.00000	0.08776	0.32196
TDPLT	1.00000	0.79179	0.52005	0.06003	0.00143	0.10184	0.03844	0.00183	0.00015	0.03581	0.03209	0.00011	0.11493	0.09327
WKT65	1.00000	0.75432	0.33813	0.05979	0.00054	0.22179	0.09734	0.00181	0.00001	0.03685	-0.00201	0.00006	0.12657	0.11911

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #458 "Proforma Adjusted at Current Rates"  
ALLOCATION Factors used in Item No. 458 COS "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>NC Retail Factors - TACOS Inputs:</b>														
C1		1.00000	0.85205	0.11365	0.00427	0.02750	0.00020	0.00060	0.00055	0.00000	0.00112	0.00006		
C5		1.00000	0.85649	0.11421	0.00429	0.02466	0.00000	0.00027	0.00007	0.00000	0.00000	0.00000		
C8		1.00000	0.85215	0.11366	0.00427	0.02749	0.00015	0.00060	0.00055	0.00000	0.00112	0.00000		
CK		1.00000	0.85313	0.11380	0.00427	0.02763	0.00043	0.00061	0.00007	0.00000	0.00000	0.00006		
D3		1.00000	0.64963	0.06075	0.00024	0.19482	0.08207	0.00624	0.00004	0.00425	0.00135	0.00060		
D4		1.00000	0.67603	0.06322	0.00025	0.20224	0.04526	0.00650	0.00004	0.00442	0.00141	0.00063		
D7		1.00000	0.75032	0.07009	0.00028	0.17028	0.00000	0.00252	0.00004	0.00491	0.00156	0.00000		
D8		1.00000	0.68022	0.06361	0.00025	0.20301	0.04054	0.00647	0.00004	0.00445	0.00141	0.00000		
E1		1.00000	0.43217	0.05059	0.00082	0.28941	0.21659	0.00111	0.00012	0.00694	0.00221	0.00003		
E2		1.00000	0.43079	0.05043	0.00082	0.28896	0.21862	0.00111	0.00012	0.00692	0.00220	0.00003		
DP		1.00000	0.49385	0.05496	0.00068	0.26819	0.17634	0.00086	0.00010	0.00380	0.00121	0.00002		
DT		1.00000	0.56845	0.06022	0.00051	0.24250	0.12768	0.00056	0.00007	0.00000	0.00000	0.00000		
DSM		1.00000	0.62442	0.07273	0.00119	0.28256	0.01523	0.00153	0.00018	0.00161	0.00054	0.00001		
REPS		1.00000	0.33492	0.45866	0.01858	0.13663	0.00442	0.00145	0.00179	0.04133	0.00386	0.00017		
<b>NC Retail Factors - TACOS Calculated:</b>														
LAB		1.00000	0.54851	0.06448	0.00135	0.22392	0.14626	0.00120	0.00018	0.00533	0.00871	0.00006		
NB_PLT		1.00000	0.56375	0.06385	0.00115	0.20895	0.12230	0.00146	0.00014	0.02083	0.01750	0.00007		
PTDG		1.00000	0.56594	0.06422	0.00118	0.20655	0.12004	0.00150	0.00014	0.02191	0.01845	0.00007		
RB_PLT_O_DI_		1.00000	0.68313	0.08022	0.00215	0.09815	0.02453	0.00278	0.00022	0.05727	0.05137	0.00018		
RB_PLT_O_DI_CPREM		1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000		
RB_PLT_O_DI_INTFRMS		1.00000	0.73339	0.07977	0.00156	0.14586	0.03040	0.00453	0.00020	0.00298	0.00131	0.00000		
RB_PLT_O_DI_METR		1.00000	0.70515	0.09253	0.00347	0.17445	0.02017	0.00381	0.00006	0.00000	0.00000	0.00035		
RB_PLT_O_DI_OH_LN		1.00000	0.80406	0.09965	0.00313	0.07458	0.01356	0.00198	0.00041	0.00126	0.00120	0.00017		
RB_PLT_O_DI_STLT		1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000		
RB_PLT_O_DI_SUB		1.00000	0.64004	0.05986	0.00024	0.19195	0.09562	0.00615	0.00003	0.00419	0.00133	0.00059		
RB_PLT_O_DI_UGI		1.00000	0.78107	0.09125	0.00241	0.10375	0.01485	0.00274	0.00031	0.00212	0.00127	0.00023		
RB_PLT_O_GN		1.00000	0.62352	0.07298	0.00172	0.16102	0.08373	0.00181	0.00020	0.02828	0.02663	0.00010		
RB_PLT_O_PR		1.00000	0.49385	0.05496	0.00068	0.26819	0.17634	0.00086	0.00010	0.00380	0.00121	0.00002		
RB_PLT_O_TR		1.00000	0.55853	0.05936	0.00052	0.24237	0.13821	0.00058	0.00008	0.00027	0.00009	0.00000		
TDPLT		1.00000	0.65681	0.07581	0.00181	0.12862	0.04855	0.00231	0.00019	0.04523	0.04053	0.00014		
WKT65		1.00000	0.44826	0.07927	0.00072	0.29402	0.12905	0.00240	0.00001	0.04886	-0.00266	0.00008		

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "PROFORMA ADJUSTED"  
NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL ADJUSTED REVENUE		3,925,335,607	2,029,865,718	243,904,171	4,180,515	983,652,542	548,703,580	5,906,826	552,687	69,253,862	39,075,407	240,300
OPERATING EXPENSES:												
ADU O&M EXPENSE		1,867,697,951	924,377,321	112,879,290	2,137,172	506,234,195	290,996,188	2,370,177	291,595	15,366,140	12,962,223	83,651
ADU DEPRECIATION EXPENSE		706,758,476	387,595,288	46,991,806	687,782	163,026,703	86,742,630	899,375	81,661	10,874,764	9,823,688	34,779
ADU OTHER AMORTIZATIONS		264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170	399,402	13,287
ADU OTHER TAXES		104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107
ADU NET CURR & DEF STATE & FED INC TAXES		171,526,421	90,496,076	10,234,716	155,488	39,729,920	19,880,335	421,416	21,732	8,088,283	2,478,239	20,214
ADU INVESTMENT TAX CREDITS		(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(772)
TOTAL ADU OPER EXPENSE		3,112,461,715	1,596,350,131	193,496,057	3,410,903	796,743,180	453,412,310	4,143,632	452,667	37,065,841	27,229,028	157,966
RETURN BEFORE ADJUSTMENTS		812,873,891	433,515,586	50,408,114	769,612	186,909,362	95,291,270	1,763,194	100,020	32,188,020	11,846,379	82,334
INTEREST ON CUST DEPOSITS - INPUT		(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)
INCOME FOR RETURN WITH CUSTOMER GROWTH ADJ		804,902,902	426,723,910	49,502,197	735,591	186,690,170	95,289,691	1,758,378	95,605	32,188,020	11,837,448	81,892
INCOME FOR RETURN WITH CUSTOMER GROWTH		804,902,902	426,723,910	49,502,197	735,591	186,690,170	95,289,691	1,758,378	95,605	32,188,020	11,837,448	81,892
YEAR END RATE BASE:												
ADU PLANT IN SERVICE		19,183,579,258	10,835,101,138	1,306,799,696	21,406,721	4,101,834,777	2,124,129,985	28,151,277	2,445,530	401,485,141	360,963,668	1,261,324
ADU DEPRECIATION RESERVE		(8,144,507,672)	(4,610,909,251)	(555,870,573)	(9,147,081)	(1,734,745,936)	(890,172,276)	(12,068,936)	(1,041,909)	(173,871,053)	(156,136,178)	(544,479)
ADU NET PLANT IN SERV		11,039,071,586	6,224,191,887	750,929,123	12,259,640	2,367,088,841	1,233,957,710	16,082,342	1,403,621	227,614,088	204,827,490	716,845
PLANT HELD FOR FUTURE USE		0	0	0	0	0	0	0	0	0	0	0
ADU NUCLEAR FUEL INVENTORY		202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,486,974	236,601	26,397	1,598,938	508,158	6,716
ADU ACCUM DEFERRED INC TAX		(1,521,911,942)	(862,656,269)	(115,528,998)	(2,339,762)	(315,565,605)	(174,093,727)	(2,171,835)	(268,350)	(26,512,739)	(22,665,555)	(109,103)
TOTAL OPERATING RESERVES		(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)
ADU MATERIALS & SUPPLIES		603,695,041	322,075,419	38,614,481	634,241	139,661,753	81,977,188	838,696	76,675	10,725,803	9,056,019	34,766
ADU WORK CAPITAL, REG ASSETS		590,941,544	361,212,665	43,416,436	1,356,445	115,365,762	88,712,741	979,069	196,393	(10,332,684)	(10,044,086)	78,802
ADJUSTED RATE BASE		10,859,980,846	6,100,972,254	723,767,261	12,016,453	2,352,784,826	1,268,264,291	15,902,165	1,425,605	202,882,073	181,240,638	725,261
RATE OF RETURN (ROR)		7.41%	6.99%	6.84%	6.12%	7.93%	7.51%	11.06%	6.71%	15.87%	6.53%	11.29%



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E-1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "PROFORMA ADJUSTED"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - PER BOOKS	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
BOOK REVENUES	3,657,503,448	1,849,210,598	241,400,618	4,373,094	909,572,200	554,939,969	5,301,949	514,860	64,956,911	27,026,067	207,182
OPERATING EXPENSES:											
BOOK O&M EXPENSE	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317
BOOK DEPRECIATION EXPENSE	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333
BOOK OTHER AMORTIZATIONS	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520
BOOK OTHER TAXES	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531
BOOK STATE INCOME TAX	(2,916,502)	(1,329,170)	(202,892)	(2,953)	(774,766)	(437,402)	(7,751)	(153)	(163,223)	2,123	(316)
BOOK FEDERAL INCOME TAX	(49,091,019)	(22,372,795)	(3,415,110)	(49,700)	(13,040,976)	(7,362,420)	(130,468)	(2,570)	(2,747,398)	35,735	(5,318)
BOOK INVESTMENT TAX CREDITS	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)
BOOK DEFERRED INCOME TAXES	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875
TOTAL OPER EXPENSE - PB	2,974,060,928	1,516,164,664	194,343,712	3,673,841	737,469,059	459,501,817	3,759,051	464,315	34,725,060	23,815,539	143,870
RETURN BEFORE ADJUSTMENTS	683,442,520	333,045,935	47,056,907	699,253	172,103,141	95,438,151	1,542,898	50,546	30,231,850	3,210,529	63,312
INTEREST ON CUST DEPOSITS - INPUT	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)
INCOME FOR RETURN	675,471,531	326,254,258	46,150,990	665,232	171,883,948	95,436,572	1,538,081	46,131	30,231,850	3,201,597	62,870
YEAR END RATE BASE:											
BOOK PLANT IN SERVICE	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182
BOOK DEPRECIATION RESERVE	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)
BOOK NET PLANT IN SERVICE	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
BOOK ACCUM DEFERRED INC TAX	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)
BOOK OPERATING RESERVES	(54,704,668)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)
BOOK MATERIALS & SUPPLIES	754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	54,613
BOOK WORKING CAPITAL, REG ASSETS	(375,172,176)	(221,885,095)	(75,646,532)	(2,628,699)	(24,947,952)	(17,542,979)	(500,528)	(252,277)	(18,880,094)	(12,840,073)	(47,947)
BOOK RATE BASE	9,859,050,290	5,401,739,228	653,629,289	10,083,501	2,257,172,631	1,201,803,010	13,513,933	1,187,739	168,951,290	150,421,433	548,237
RATE OF RETURN	6.85%	6.04%	7.06%	6.60%	7.62%	7.94%	11.38%	3.88%	17.89%	2.13%	11.47%



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "PROFORMA ADJUSTED"  
NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - REVENUES		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
SALES OF ELECTRICITY:												
RETAIL SALES OF ELECTRICITY		3,563,165,280	1,820,227,876	226,009,560	3,781,169	886,079,172	532,588,876	5,200,515	454,335	62,444,191	26,178,894	200,691
REV - REPS		24,719,022	8,278,986	11,293,212	459,221	3,377,339	109,249	35,883	44,178	1,021,561	95,302	4,090
REV UNBILLED REVENUES		(12,096,317)	(10,422,074)	(118,784)	(1,947)	(632,887)	(613,073)	(2,788)	(3,715)	(116,405)	(184,529)	(103)
REV - SALES FOR RESALE D/A		0	0	0	0	0	0	0	0	0	0	0
REV - SALES FOR RESALE CREDIT - TRANSMISSION		45,117	22,377	2,755	23	12,714	7,213	32	3	0	0	0
REV - SALES FOR RESALE CREDIT - ENERGY		130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793
REV - SALES FOR RESALE CREDIT - DEMAND		4,817,627	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0
REV - PROV FOR RATE REFUND		(98,495,765)	(54,852,620)	(6,629,775)	(103,322)	(21,785,156)	(11,500,851)	(136,065)	(11,980)	(1,826,621)	(1,643,622)	(5,751)
REV - PROV FOR RATE REFUND - JAAR		(6,050,000)	(3,000,740)	(369,379)	(3,040)	(1,704,932)	(967,179)	(4,289)	(441)	(0)	(0)	(0)
TOTAL SALES OF ELECTRICITY		3,606,157,551	1,818,848,412	237,061,216	4,241,142	904,342,037	548,563,056	5,241,288	498,766	62,425,849	24,733,065	202,719
OTHER REVENUES:												
REV - FORFEITED DISCOUNTS (450) AS INPUT		7,663,772	6,529,912	871,001	32,710	210,744	1,518	4,631	4,244	0	8,587	424
REV - MISC SERVICE REVENUES (451)		5,505,700	4,691,128	625,732	23,499	151,400	1,091	3,327	3,049	0	6,169	305
REV - RENT (454) - DIST PLT REL		4,465,630	3,050,606	358,230	9,613	438,324	109,550	12,410	977	255,741	229,381	798
REV - RENT (454) - DIST POLE RENTAL REV		10,901,069	8,679,686	1,079,012	34,313	807,244	133,549	23,738	4,465	12,922	123,870	2,271
REV - RENT (454) - TRANS PLT REL		381,636	189,288	23,301	192	107,548	61,010	271	28	0	0	0
REV - RENT (454) - ADD FAC - WHLS		0	0	0	0	0	0	0	0	0	0	0
REV - RENT (454) - ADD FAC - RET x LIGHTING		4,617,085	18	40,902	0	227,143	4,349,022	0	0	0	0	0
REV - RENT (454) - ADD FAC - LIGHTING		3,848,777	0	0	0	0	0	0	0	2,063,915	1,784,862	0
REV - RENT (454) - OTHER		3,412,883	1,900,646	229,722	3,580	754,857	398,505	4,715	415	63,292	56,952	199
REV - OTHER ELEC REV (456) - PROD PLT REL		1,184,137	587,320	72,297	595	333,698	189,301	839	86	0	0	0
REV - OTHER ELEC REV (456) - TRANS REL		6,207,517	3,078,867	378,996	3,119	1,749,321	992,361	4,400	452	0	0	0
REV - OTHER ELEC REV (456) - WH D/A		0	0	0	0	0	0	0	0	0	0	0
REV - OTHER ELEC REV (456) - OTHER		368,310	205,113	24,791	386	81,462	43,006	509	45	6,830	6,146	22
REV - OTHER ELEC REV (456) - REPS		1,114,245	373,187	509,058	20,700	152,238	4,925	1,617	1,991	46,048	4,296	184
REV - OTHER ELEC REV (456) - DIS PLT REL		1,404,491	959,450	112,667	3,024	137,858	34,455	3,903	307	80,433	72,143	251
REV - OTHER NC RETAIL SPECIFIC		270,645	116,965	13,692	222	78,327	56,620	301	33	1,879	597	8
TOTAL OTHER REVENUES		51,345,897	30,362,186	4,339,402	131,953	5,230,163	6,376,912	60,660	16,094	2,531,062	2,293,002	4,463
BOOK REVENUES												
Functionalized Book Revenues		3,657,503,448	1,849,210,598	241,400,618	4,373,094	909,572,200	554,939,969	5,301,949	514,860	64,956,911	27,026,067	207,182
		3,471,242,220	1,760,231,428	230,184,834	4,132,081	865,333,536	519,617,022	5,093,246	482,377	61,522,726	24,446,044	198,926
REVENUE ADJUSTMENTS:												
RETAIL SALES OF ELECTRICITY ADJ TO EXC DSM & REPS		(330,305,859)	(151,723,051)	(13,923,774)	(223,294)	(75,893,031)	(88,095,312)	(475,797)	(16,660)	(34,370)	77,661	1,770
REV - REMOVE RATE REFUND		98,495,765	54,852,620	6,629,775	103,322	21,785,156	11,500,851	136,065	11,980	1,826,621	1,643,622	5,751
REV - REMOVE RATE REFUND JAAR		6,050,000	3,000,740	369,379	3,040	1,704,932	967,179	4,289	441	0	0	0
Total ADJUSTMENT TO ANNUALIZE REVENUE		(225,760,094)	(93,869,691)	(6,924,620)	(116,932)	(52,402,943)	(75,627,281)	(335,443)	(4,239)	1,792,251	1,721,283	7,522

DUKE ENERGY PROGRESS, LLC

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TEST YEAR ENDING December 31, 2018

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Summer CP Demand Allocation with MINIMUM SYSTEM											
COS DETAIL - REVENUES	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJREV WEATHER NORMALIZATION	(77,391,796)	(54,669,922)	(20,269,274)	(340,030)	(1,474,692)	(637,878)	0	0	0	0	0
ADJREV CUSTOMER GROWTH	5,182,122	(8,344,462)	1,113,309	43,283	10,097,067	2,061,586	374,132	5,324	0	(171,255)	3,137
ADJREV UNBILLED REVENUES	12,096,317	10,422,074	118,784	1,947	632,887	613,073	2,798	3,715	116,405	184,529	103
ADJREV COAL INVENTORY RIDER REV	(270,645)	(116,965)	(13,692)	(222)	(78,327)	(58,620)	(301)	(33)	(1,879)	(597)	(8)
REV - REPS ADJUSTMENT	(25,833,267)	(8,652,173)	(11,802,270)	(479,921)	(3,529,577)	(114,174)	(37,501)	(46,170)	(1,067,609)	(99,597)	(4,275)
RETAIL ADJ TO EXC JAAR: PROD DEM REL REV	(1,996,412)	(990,201)	(121,890)	(1,003)	(562,603)	(319,155)	(1,415)	(145)	(0)	(0)	(0)
Incr/(Decr) to REV - MISC SERVICE REVENUES (451)	(3,145,681)	(2,680,276)	(357,512)	(13,426)	(86,502)	(623)	(1,901)	(1,742)	(0)	(3,525)	(174)
Incr/(Decr) to REV - RENT (454) - ADD FAC	(1,010,139)	(690,056)	(81,033)	(2,175)	(99,150)	(24,781)	(2,807)	(221)	(57,849)	(51,887)	(181)
Incr/(Decr) to REV - OTHER ELEC REV (456) - OTHER	432	240	29	0	95	50	1	0	8	7	0
Total ADJUSTMENT TO MISC REVENUE	(4,155,389)	(3,370,092)	(438,516)	(15,600)	(185,557)	(25,353)	(4,707)	(1,963)	(57,841)	(55,404)	(355)
RETAIL SALES OF ELECTRICITY PROPOSED ADJ	585,961,324	340,246,552	40,841,723	715,898	121,584,086	67,871,414	607,315	81,338	3,515,625	10,470,381	26,992
TOTAL REVENUE ADJUSTMENTS	267,832,158	180,655,119	2,503,553	(192,579)	74,080,342	(6,236,389)	604,878	37,827	4,296,951	12,049,340	33,117
TOTAL ADJUSTED REVENUE	3,925,335,607	2,029,865,718	243,904,171	4,180,515	983,652,542	548,703,580	5,906,826	552,687	69,253,862	39,075,407	240,300
Functionalized Adjusted Revenues	3,739,074,378	1,940,886,547	232,688,387	3,939,501	939,413,878	513,380,633	5,698,124	520,204	65,819,677	36,495,383	232,043

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E 1 Item #45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Item No. 45C COS "PROFORMA ADJUSTED"

NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PRODUCTION O&M EXPENSE:											
FUEL											
OM PROD ENERGY - FUEL	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176
OM NC REPS RECS EXPENSE	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065
TOTAL FUEL	881,642,228	379,220,044	52,128,033	1,051,679	252,323,832	187,028,873	986,520	139,523	6,759,204	1,976,281	28,241
PURCHASE POWER											
OM PROD PURCHASES - CAPACITY COST	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0
OM PROD PURCHASES - ENERGY COST	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658
OM DEFERRED FUEL EXPENSE	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,966)	(33,663)	(1,895,961)	(602,554)	(8,035)
TOTAL PURCHASES & DEF. FUEL	158,763,118	73,285,546	8,780,177	109,525	45,559,072	30,015,712	148,967	16,288	641,374	203,835	2,623
TOTAL FUEL, DEF. FUEL & PURCH POWER	1,040,405,347	452,505,590	60,908,210	1,161,204	297,882,903	217,044,585	1,135,487	155,812	7,400,578	2,180,116	30,863
DEMAND RELATED:											
OM PROD FIXED O&M	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0
TOTAL PRODUCTION O&M-DEMAND	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0
ENERGY RELATED:											
OM PROD VARIABLE O&M	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138
OM PROD VARIABLE O&M-DEPR REL	0	0	0	0	0	0	0	0	0	0	0
OM OTHER EXPENSES - DSM REL	67,881,412	42,386,568	4,997,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452
TOTAL PRODUCTION O&M-ENERGY	346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590
TOTAL PRODUCTION O&M	1,580,953,317	711,524,907	91,784,580	1,568,081	452,384,445	309,468,522	1,686,500	216,488	9,447,579	2,832,761	39,453
TRANSMISSION O&M EXPENSE:											
OM TRANSMISSION EXP - TRANS	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0
OM TRANS EXP - WHEEL BY OTHERS	0	0	0	0	0	0	0	0	0	0	0
OM TRANS EXP - OTH PROD RELATED	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0
TOTAL TRANSMISSION O&M	22,653,573	11,235,948	1,383,099	11,383	6,383,934	3,621,499	16,059	1,650	0	0	0
DISTRIBUTION O&M EXPENSE:											
OM OVERHEAD LINES	110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014
OM UNDERGROUND LINES	11,787,240	9,206,643	1,075,590	28,394	1,222,905	175,042	32,282	3,709	24,988	15,026	2,662
OM LINE TRANSFORMERS	996,698	730,965	79,506	1,551	145,374	30,295	4,517	204	2,975	1,309	2
OM METER EXPENSE	6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304
OM STREET LIGHTS	7,164,040	0	0	0	0	0	0	0	0	7,164,040	0
OM DISTRIBUTION RENTS	2,088,877	1,679,584	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359
OM LOAD DISPATCH	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414
OM DISTRIBUTION EXP - MISC & SUPERVISION	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049
OM CUSTOMER INSTALLATIONS	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0
OM SUBSTATIONS	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968
OM DISTRIBUTION EXP - DSM/EE	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21
TOTAL DISTRIBUTION O&M	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792

DUKE ENERGY PROGRESS, LLC

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Item No. 45C COS "PROFORMA ADJUSTED"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
CUST. ACCOUNTING EXPENSE:												
OM METER READING		4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	274
OM CUST ACCT EXP - MISC		1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	1,177	58
OM UNCOLLECTIBLES		8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495
OM CUSTOMER RECORDS, EXCL REPS		34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922
TOTAL CUST ACCT EXPENSE		49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749
CUST. SERV & INFO EXPENSE:												
OM CUST SERV & INFO - CUST ASSIST		3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177
TOTAL CUST SERV & INFO EXP		3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177
SALES EXPENSE:												
OM SALES EXPENSE - DEMO & SELLING		6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378
OM SALES EXPENSE - DSM/EE		1,385	865	101	2	391	21	2	0	2	1	0
TOTAL SALES EXPENSE		6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378
ADMIN & GENERAL EXPENSE:												
A&G REGULATORY EXPENSE:												
OM REGULATORY EXPENSE-NCUC COAL ASH FEE		0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY FEE - NCRETAIL		5,900,866	3,226,741	394,764	7,510	1,362,082	830,970	6,768	990	22,425	48,316	301
OM REGULATORY EXPENSE-SCRETAIL		0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY EXPENSE-TRANS		1,136,830	563,856	69,408	571	320,367	181,739	806	83	0	0	0
TOTAL ADM & GEN REG EXPENSE		7,037,696	3,790,597	464,172	8,081	1,682,448	1,012,709	7,574	1,073	22,425	48,316	301
OTHER A&G EXPENSE:												
OM A&G LABOR RELATED & MISC		237,903,652	130,091,650	15,915,591	302,761	54,914,680	33,502,006	272,875	39,927	904,093	1,947,941	12,127
OM A&G LABOR RELATED - DSM/EE		1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7
OM A&G LABOR RELATED - DERP		0	0	0	0	0	0	0	0	0	0	0
OM A&G ALL PLANT RELATED		4,575,062	2,564,177	309,613	4,929	997,648	520,903	6,496	568	89,752	80,693	282
OM A&G GENERAL PLT RELATED		499,614	307,003	37,036	843	84,304	42,494	898	97	13,740	13,149	51
TOTAL ADM & GEN PLT EXPENSE		244,064,732	133,641,204	16,341,259	309,827	56,303,604	34,081,947	281,927	40,786	1,009,338	2,042,374	12,467
TOTAL ADMIN AND GEN EXPENSE		251,102,428	137,431,801	16,805,431	317,907	57,986,052	35,094,656	289,501	41,859	1,031,763	2,090,690	12,768
BOOK O&M EXPENSE		2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

Item No. 45C COS "PROFORMA ADJUSTED"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
O&M ADJUSTMENTS:											
FUEL ADJUSTMENTS											
ADJOM FUEL CLAUSE - FUEL REL	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547
ADJOM FUEL CLAUSE - REM ENERGY	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)
ADJOM DEFERRED FUEL	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035
TOTAL FUEL ADJUSTMENTS	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)
PURCHASED POWER ADJUSTMENTS											
ADJOM PUR CAP COST ADJ	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)
TOTAL PURCHASE POWER ADJUSTMENTS	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)
OTHER O&M ADJUSTMENTS											
ADJOM CLAUSE ADJ NCUC FEE	(833,199)	(382,722)	(35,123)	(563)	(191,441)	(222,221)	(1,200)	(42)	(87)	196	4
ADJOM WEATHER REL FUEL	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0
ADJOM WEATHER REL NC REG FEE	(285,625)	(201,767)	(74,807)	(1,255)	(5,443)	(2,354)	0	0	0	0	0
ADJOM FUEL - CUSTOMER GROWTH	2,857,405	(1,917,498)	261,769	9,831	3,845,022	584,590	84,490	1,302	0	(12,495)	396
ADJOM NCUC FEE - CUSTOMER GROWTH	19,125	(30,796)	4,109	160	37,265	7,609	1,381	20	0	(632)	12
ADJOM REMOVE REPS	(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)
ADJOM REMOVE DSM	(72,128,445)	(45,038,504)	(5,246,195)	(85,893)	(20,380,404)	(1,098,421)	(110,004)	(12,932)	(116,400)	(39,212)	(480)
ADJOM REMOVE DSM - PLANT RELATED	(479,839)	(268,935)	(32,473)	(517)	(104,635)	(54,633)	(681)	(60)	(9,413)	(8,463)	(30)
Total DSM ADJUSTMENT TO O&M	(72,608,284)	(45,307,439)	(5,278,668)	(86,410)	(20,485,039)	(1,153,054)	(110,685)	(12,991)	(125,813)	(47,676)	(510)
ADJOM JAAR PROD DEMAND REL	(44,430,508)	(22,037,092)	(2,712,676)	(22,326)	(12,520,825)	(7,102,855)	(31,497)	(3,236)	(0)	(0)	(0)
ADJOM JAAR A&G REL	(19,073,136)	(9,460,086)	(1,164,498)	(9,584)	(5,374,942)	(3,049,115)	(13,521)	(1,389)	(0)	(0)	(0)
Total JAAR ADJUSTMENT TO O&M	(63,503,644)	(31,497,178)	(3,877,174)	(31,911)	(17,895,767)	(10,151,970)	(45,018)	(4,625)	(0)	(0)	(0)
ADJOM EXECUTIVE COMPENSATION	(2,398,816)	(1,311,733)	(160,479)	(3,053)	(553,713)	(337,805)	(2,751)	(403)	(9,116)	(19,641)	(122)
ADJOM NON LABOR, NON FUEL INFLATION	1,311,104	730,158	88,251	1,375	289,988	153,091	1,811	159	24,315	21,879	77
ADJOM YEAR END PAYROLL	(18,512,300)	(10,122,987)	(1,238,460)	(23,559)	(4,273,146)	(2,606,934)	(21,234)	(3,107)	(70,351)	(151,578)	(944)
ADJOM PENSION EXPENSE	(3,059,869)	(1,673,213)	(204,703)	(3,894)	(706,302)	(430,896)	(3,510)	(514)	(11,628)	(25,054)	(156)
ADJOM NUCLEAR LEVELIZATION	(6,232,200)	(3,091,110)	(380,503)	(3,132)	(1,756,277)	(996,307)	(4,418)	(454)	(0)	(0)	(0)
ADJOM RATE CASE EXPENSE	701,000	390,389	47,184	735	155,046	81,852	968	85	13,000	11,698	41
ADJOM AVIATION	(1,452,144)	(794,069)	(97,147)	(1,848)	(335,195)	(204,494)	(1,666)	(244)	(5,519)	(11,890)	(74)



DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

Item No. 45C COS "PROFORMA ADJUSTED"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM													
COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADJOM ANNUALIZE NC REGULATORY EXPENSE		(69,244)	(37,864)	(4,632)	(88)	(15,983)	(9,751)	(79)	(12)	(263)	(567)	(4)	
	ADJOM EXPIRING O&M AMORT-ENERGY REL	303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669	9	
	ADJOM EXPIRING O&M AMORT-P-PROD DEM REL	1,184,394	587,448	72,312	595	333,770	189,342	840	86	0	0	0	
	ADJOM EXPIRING O&M AMORT-LABOR REL	185,167	101,254	12,388	236	42,742	26,075	212	31	704	1,516	9	
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS													
		1,603,370	781,808	95,399	991	448,234	271,306	1,310	143	2,545	1,618	15	
ADJOM MERGER RELATED- LAB RELATED		(3,703,904)	(2,025,387)	(247,789)	(4,714)	(854,962)	(521,590)	(4,248)	(622)	(14,076)	(30,327)	(189)	
	ADJOM MERGER RELATED-D-CUST RELATED	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	
ADJOM SEVERANCE EXP		(23,366,311)	(12,777,281)	(1,563,190)	(29,736)	(5,393,585)	(3,290,485)	(26,801)	(3,922)	(88,798)	(191,322)	(1,191)	
	ADJOM CREDIT CARD FEES	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288	
ADJOM VEG MANAGEMENT DISTRIBUTION		4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847	
	ADJOM VEG MANAGEMENT TRANSMISSION	831,707	412,518	50,779	418	234,381	132,960	590	61	0	0	0	
ADJOM NCUC FEE - MISC REVENUE PLANT REL		(1,309)	(729)	(88)	(1)	(290)	(153)	(2)	(0)	(24)	(22)	(0)	
	ADJOM NCUC FEE - MISC REVENUE CUST REL	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(5)	(0)	
Total MISC. REVENUE ADJ TO O&M		(5,389)	(4,205)	(552)	(19)	(402)	(154)	(4)	(2)	(24)	(26)	(0)	
ADJOM NCUC FEE		(233,877)	(127,890)	(15,646)	(298)	(53,985)	(32,935)	(268)	(39)	(889)	(1,915)	(12)	
ADJOM PLANT RETIREMENT - DEM		(1,490,601)	(739,323)	(91,008)	(749)	(420,062)	(238,294)	(1,057)	(109)	(0)	(0)	(0)	
ADJOM PLANT RETIREMENT - ENERGY		(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	
ADJOM ONGOING EXP - ENERGY REL		4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	
ADJOM ASHEVILLE CC DEFERRAL		6,109,335	3,030,170	373,002	3,070	1,721,653	976,665	4,331	445	0	0	0	
ADJOM UNCOLLECTIBLES		2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100	
TOTAL OTHER O&M ADJUSTMENTS		(208,986,781)	(116,115,587)	(24,377,409)	(557,041)	(48,273,631)	(17,954,666)	(139,926)	(52,957)	(1,032,571)	(478,492)	(4,502)	
TOTAL O&M ADJUSTMENTS		(223,526,162)	(113,947,588)	(19,349,019)	(474,612)	(27,609,406)	(60,374,930)	(55,698)	(55,056)	(1,141,679)	(513,508)	(4,666)	
ADJ O&M EXPENSE		1,867,697,951	924,377,321	112,879,290	2,137,172	506,234,195	290,996,188	2,370,177	291,595	15,366,140	12,962,223	83,651	

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

Item No. 45C COS "PROFORMA ADJUSTED"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:											
PRODUCTION FUNCTION:											
DPE PRODUCTION RELATED	310,776,507	154,142,068	18,974,261	156,166	87,578,976	49,682,092	220,308	22,636	0	0	0
DPE EXT. DECOM. TRUST-PROD	17,337,167	8,599,063	1,058,510	8,712	4,885,734	2,771,595	12,290	1,263	0	0	0
DPE CONTRA AFUDC NC RET-PROD	(6,208,430)	(3,079,320)	(379,052)	(3,120)	(1,749,579)	(992,507)	(4,401)	(452)	(0)	(0)	(0)
DPE CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPE CONTRA AFUDC WHSL - PROD	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-NCR	(4,932,690)	(2,446,565)	(301,162)	(2,479)	(1,390,066)	(788,561)	(3,497)	(359)	(0)	(0)	(0)
DPE HARRIS PLANT DISALLOW-SCR	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-WHSE	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLT. DISALLOW-NCMPA	0	0	0	0	0	0	0	0	0	0	0
DPE OTHER NC RETAIL SPECIFIC EXPENSE	(12,655,516)	(6,277,010)	(772,674)	(6,359)	(3,566,412)	(2,023,166)	(8,971)	(922)	(0)	(0)	(0)
DPE OTHER SC RETAIL SPECIFIC EXPENSE	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - SC	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - WHSLE	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD.-NCMPA	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION PLT DEPR.	304,317,039	150,938,236	18,579,882	152,920	85,758,653	48,649,453	215,729	22,166	0	0	0
DPE TRANS RELATED - PROD	2,135,318	1,059,097	130,370	1,073	601,747	341,361	1,514	156	0	0	0
DPE TRANS RELATED - TRANS	26,640,447	13,213,398	1,626,515	13,387	7,507,463	4,258,858	18,885	1,940	0	0	0
DPE TRANS RELATED - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - NC RETAIL	425	211	26	0	120	68	0	0	0	0	0
DPE DISTRIBUTION PLANT	151,738,211	103,656,927	12,172,354	326,654	14,893,866	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124
DPE DISTRIBUTION DEPRN - SCR	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM	1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179
DPE DISTRIBUTION DEPRN - SC STORM	0	0	0	0	0	0	0	0	0	0	0
DPE GENERAL PLANT	22,344,918	13,730,513	1,656,411	37,708	3,770,456	1,900,497	40,179	4,320	614,502	588,064	2,267
DPE GENERAL PLANT - SCR	0	0	0	0	0	0	0	0	0	0	0
DPE AMORT LTD TERM PLT	28,586,802	16,021,995	1,934,587	30,800	6,233,699	3,254,811	40,591	3,546	560,808	504,204	1,762
BOOK DEPRECIATION EXPENSE	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333
DEPRECIATION EXPENSE ADJUSTMENTS:											
ADJDPE FUEL - CATALYST REL	(1,684,077)	(835,286)	(102,820)	(846)	(474,585)	(269,224)	(1,194)	(123)	(0)	(0)	(0)
ADJDPE REMOVE DSDR-TRANS	(6,967)	(3,456)	(425)	(4)	(1,963)	(1,114)	(5)	(1)	0	0	0
ADJDPE REMOVE DSDR-DIST	(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)
ADJDPE REMOVE DSDR-GEN	(632,841)	(388,868)	(46,912)	(1,068)	(106,785)	(53,825)	(1,138)	(122)	(17,404)	(16,655)	(64)
ADJDPE REMOVE DSDR-INT	(786,432)	(440,770)	(53,221)	(647)	(171,491)	(89,541)	(1,117)	(98)	(15,428)	(13,871)	(48)
Total DSDR ADJUSTMENT TO DEPRECIATION	(5,179,013)	(3,396,726)	(401,604)	(9,998)	(648,592)	(236,542)	(12,688)	(1,041)	(247,748)	(223,290)	(784)

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

Item No. 45C COS "PROFORMA ADJUSTED"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADJDPE REMOVE JAAR	(31,059,293)	(15,405,102)	(1,896,305)	(15,607)	(8,752,724)	(4,965,274)	(22,018)	(2,262)	(0)	(0)	(0)	
ADJDPE YE DEPR EXP-PROD	40,075,973	19,877,286	2,446,813	20,138	11,293,687	6,406,720	28,410	2,919	0	0	0	
ADJDPE YE DEPR EXP-TRANS	1,559,562	773,527	95,218	784	439,495	249,318	1,106	114	0	0	0	
ADJDPE YE DEPR EXP-DIST	(3,441,320)	(2,350,869)	(276,061)	(7,408)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)	
ADJDPE YE DEPR EXP-GEN	3,874,078	2,380,545	287,182	6,538	653,707	329,501	6,966	749	106,540	101,956	393	
Total YE ADJUSTMENT TO DEPRECIATION	42,068,293	20,680,489	2,553,153	20,051	12,049,108	6,901,118	26,918	3,029	(90,540)	(74,810)	(222)	
ADJDPE ADDITIONS TO EPIS - PROD	40,353,588	20,014,980	2,463,763	20,278	11,371,921	6,451,101	28,607	2,939	0	0	0	
ADJDPE ADDITIONS TO EPIS - TRANS	3,764,410	1,867,110	229,834	1,892	1,060,837	601,795	2,669	274	0	0	0	
ADJDPE ADDITIONS TO EPIS - DIST	17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196	
ADJDPE ADDITIONS TO EPIS - GEN	3,389,801	2,082,966	251,283	5,720	571,991	288,312	6,095	655	93,222	89,211	344	
ADJDPE ADDITIONS TO EPIS - INT	5,081,547	2,848,046	343,889	5,475	1,108,093	578,570	7,215	630	99,688	89,627	313	
Total ADDITIONS ADJUSTMENT TO DEPRECIATION	70,469,310	39,027,442	4,723,089	71,856	15,867,849	8,358,408	94,273	8,411	1,216,872	1,097,258	3,853	
ADJDPE NEW RATES - PROD	78,451,748	38,911,290	4,789,821	39,422	22,108,247	12,541,640	55,614	5,714	0	0	0	
ADJDPE NEW RATES - TRANS	5,080,519	2,519,887	310,188	2,553	1,431,726	812,194	3,602	370	0	0	0	
ADJDPE NEW RATES - DIST	(3,696,268)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)	
ADJDPE NEW RATES - GEN	9,764,896	6,000,337	723,864	16,479	1,647,717	830,531	17,559	1,888	268,542	256,988	991	
Total ADJUSTMENT FOR NEW DEPR. RATES	89,600,895	44,906,482	5,527,361	50,497	24,824,883	14,093,688	66,503	7,164	56,862	67,126	330	
ADJDPE REMOVE EXPIRING DEPR AMORT-PROD	(186,678)	(92,590)	(11,398)	(94)	(52,607)	(29,843)	(132)	(14)	(0)	(0)	(0)	
ADJDPE ANNUALIZE DEPR AMORT-GEN	2,648,952	1,627,729	196,365	4,470	446,981	225,301	4,763	512	72,848	69,714	269	
ADJDPE DECOMMISSIONING EXP	3,626,511	1,798,713	221,414	1,822	1,021,976	579,750	2,571	264	0	0	0	
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS	6,088,785	3,333,852	406,382	6,199	1,416,350	775,207	7,202	763	72,848	69,714	269	
ADJDPE MERGER IMPACTS - TRANS	(171,994)	(85,307)	(10,501)	(86)	(48,469)	(27,496)	(122)	(13)	0	0	0	
ADJDPE PLANT RETIREMENT - PROD	(180,604)	(89,578)	(11,027)	(91)	(50,895)	(28,872)	(128)	(13)	(0)	(0)	(0)	
TOTAL DEPR EXP ADJUSTMENTS	169,952,301	88,136,266	10,787,727	121,974	44,182,923	24,601,013	158,746	15,914	1,008,294	935,998	3,447	
ADJ DEPRECIATION EXPENSE	706,758,476	387,595,288	46,991,806	687,782	163,026,703	86,742,630	899,375	81,661	10,874,764	9,823,688	34,779	

DUKE ENERGY PROGRESS, LLC  
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Summer CP Demand Allocation with MINIMUM SYSTEM

OTHER AMORTIZATION EXPENSE:												
COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
AMORT WHS SPEC - MAYO, RECS	0	0	0	0	0	0	0	0	0	0	0	
AMORT NUCLEAR DESIGN BASIS	443,799	220,120	27,096	223	125,066	70,948	315	32	0	0	0	
AMORT NCEMPA ACQ ADJ	7,850,168	3,893,605	479,287	3,945	2,212,232	1,254,962	5,565	572	0	0	0	
AMORT DSM/EE DEBIT	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	198,443	66,851	819	
AMORT DSM/EE CREDIT	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(34,358)	(11,575)	(142)	
AMORT DSM/EE O&M DEFERRAL	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,684)	(39,645)	(486)	
AMORT DSM/EE CAPITAL DEFERRAL	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)	
AMORT NC REPS DEBIT	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)	
AMORT NC REPS DEFERRAL	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,696	90,183	3,870	
AMORT SC DERP AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	
AMORT SC POLLUTION CNTL DPE DEF	0	0	0	0	0	0	0	0	0	0	0	
AMORT RETIRED PLANT	17,628,029	8,743,328	1,076,268	8,858	4,967,701	2,818,094	12,496	1,284	0	0	0	
AMORT OTHER NC RETAIL PROD REL	14,076,338	6,981,724	859,422	7,073	3,966,810	2,250,305	9,979	1,025	0	0	0	
AMORT SC DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	
AMORT WHL DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	
AMORT NC STORM DEFERRAL	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	
AMORT NC EDIT	(3,272,588)	(1,822,515)	(220,279)	(3,433)	(723,826)	(382,124)	(4,521)	(398)	(60,691)	(54,610)	(191)	
AMORT RETIRED METERS	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	
AMORT COR	575,758	285,570	35,153	289	162,253	92,043	408	42	0	0	0	
AMORT NC RETAIL CONTINUING	1,994,356	1,110,663	134,241	2,092	441,109	232,871	2,755	243	36,986	33,280	116	
AMORT OTHER NC RETAIL SPECIFIC	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	
AMORT OTHER SC RETAIL SPECIFIC	0	0	0	0	0	0	0	0	0	0	0	
AMORT DISP. OF ALLOWANCES	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	
BOOK OTHER AMORTIZATIONS												
ADJAM REMOVE DSM	(18,966,211)	(11,842,897)	(1,379,490)	(22,586)	(5,359,037)	(288,830)	(28,926)	(3,400)	(30,607)	(10,311)	(126)	
ADJAM REMOVE REPS	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)	
ADJAM REMOVE NC EDIT IMPACT	3,272,588	1,822,515	220,279	3,433	723,826	382,124	4,521	398	60,691	54,610	191	
AMORT NC DEFERRED ASH AMORTIZATION	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066	735,897	233,875	3,091	
ADJAM AMORT ANNUALIZATION - PROD	1,292,251	640,944	78,898	649	364,165	206,585	916	94	0	0	0	
ADJAM AMORT ANNUALIZATION - ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114	
ADJAM AMORT ANNUALIZATION - STORMS	(12,758,001)	(10,258,210)	(1,271,288)	(39,954)	(951,474)	(172,958)	(25,232)	(5,200)	(16,116)	(15,372)	(2,195)	
ADJAM AMORT ANNUALIZATION - PLANT	(1,994,356)	(1,110,663)	(134,241)	(2,092)	(441,109)	(232,871)	(2,755)	(243)	(36,986)	(33,280)	(116)	
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS												
	(9,568,245)	(9,045,976)	(1,129,738)	(38,207)	97,914	643,711	(22,744)	(4,869)	(26,076)	(40,063)	(2,198)	
ADJAM EOL NUCLEAR FUEL	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(38)	
ADJAM EOL NUCLEAR SUPPLIES	1,210,858	600,574	73,928	608	341,228	193,573	858	88	0	0	0	
ADJAM STORM DEFERRAL AMORT - DISTR	40,252,964	32,365,836	4,011,060	126,061	3,002,011	545,703	79,611	16,408	50,849	48,501	6,924	
ADJAM STORM DEFERRAL AMORT - TRANS	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0	0	0	
ADJAM STORM DEFERRAL AMORT - PROD	228,828	113,496	13,971	115	64,485	36,581	162	17	0	0	0	
ADJAM AMORT ASHEVILLE CC	13,593,762	6,742,371	829,958	6,831	3,830,816	2,173,158	9,637	990	0	0	0	
TOTAL OTHER AMORT ADJUSTMENTS	131,416,004	65,414,469	5,156,828	42,674	33,015,273	26,845,400	152,331	11,131	512,507	258,625	6,767	
ADJ OTHER AMORTIZATIONS	264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170	399,402	13,287	

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TEST YEAR ENDING December 31, 2018

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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER TAXES											
OT LABOR RELATED	26,065,158	14,253,079	1,743,741	33,171	6,016,553	3,670,541	29,897	4,375	99,054	213,420	1,329
OT LABOR RELATED - DSM/EE	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1
OT LABOR RELATED - DERP	0	0	0	0	0	0	0	0	0	0	0
OT PROPERTY TAX - PROD	39,881,401	19,780,780	2,434,933	20,040	11,238,855	6,375,615	28,272	2,905	0	0	0
OT PROPERTY TAX - TRANS	6,386,407	3,167,595	389,918	3,209	1,799,734	1,020,959	4,527	465	0	0	0
OT PROPERTY TAX - DISTR	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526
OT PROPERTY TAX - GEN	2,140,751	1,315,449	158,692	3,613	361,228	182,077	3,849	414	58,872	56,339	217
OT FED HEAVY VEHICLE USE TAX	48,458	31,126	3,684	87	6,633	2,658	113	9	2,183	1,958	7
OT ELECTRIC EXCISE TAX - SC	0	0	0	0	0	0	0	0	0	0	0
OT PRIVILEGE TAX	12,243,595	6,818,499	824,120	12,844	2,708,021	1,429,623	16,914	1,489	227,060	204,312	715
OT PUC LICENSE TAX - SC	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: NC	(4,517,029)	(2,515,549)	(304,042)	(4,738)	(999,070)	(527,431)	(6,240)	(549)	(83,769)	(75,377)	(264)
OT MISC TAXES: SC	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: OTHER STATES	949	529	64	1	210	111	1	0	18	16	0
BOOK OTHER TAXES	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531
OTHER TAX ADJUSTMENTS:											
ADJOT REMOVE DSM - PLANT RELATED	(410,137)	(229,869)	(27,756)	(442)	(89,435)	(46,697)	(582)	(51)	(8,046)	(7,234)	(25)
ADJOT REMOVE JAAR PLANT REL TAX	(3,745,118)	(1,857,542)	(228,656)	(1,882)	(1,055,400)	(598,711)	(2,655)	(273)	(0)	(0)	(0)
ADJOT REMOVE DSM	(223,168)	(139,351)	(16,232)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)
ADJOT REMOVE JAAR PAYROLL TAX	(2,079,727)	(1,031,524)	(126,976)	(1,045)	(586,082)	(332,474)	(1,474)	(151)	(0)	(0)	(0)
Total NON-FUEL CLAUSE ADJ. TO OTHER TAX	(6,458,150)	(3,258,285)	(399,620)	(3,635)	(1,793,975)	(981,281)	(5,052)	(515)	(8,406)	(7,355)	(27)
ADJOT PROPERTY TAX	4,063,669	2,277,557	275,005	4,378	886,132	462,678	5,770	504	79,720	71,674	250
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS	6,600,408	3,699,319	446,677	7,111	1,439,299	751,504	9,372	819	129,485	116,416	407
ADJOT PAYROLL TAX	(1,089,271)	(595,641)	(72,872)	(1,386)	(251,434)	(153,393)	(1,249)	(183)	(4,140)	(8,919)	(56)
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ	(17,711)	(9,685)	(1,185)	(23)	(4,088)	(2,494)	(20)	(3)	(67)	(145)	(1)
ADJOT REMOVE EXPIRING OTH TAX - PROD	(22,074)	(10,946)	(1,348)	(11)	(6,221)	(3,529)	(16)	(2)	(0)	(0)	(0)
ADJOT REMOVE EXPIRING OTH TAX - LAB	26,771	14,639	1,791	34	6,179	3,770	31	4	102	219	1
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS	4,697	3,690	443	23	(41)	241	15	3	102	219	1
ADJOT REMOVE MERGER RELATED- PROPERTY TAX	(53,053)	(26,314)	(3,239)	(27)	(14,951)	(8,481)	(38)	(4)	0	0	0
ADJOT PLANT RETIREMENT PROP TAX - PROD	(1,032,164)	(511,943)	(63,018)	(519)	(290,871)	(165,006)	(732)	(75)	(0)	(0)	(0)
TOTAL OTHER TAX ADJUSTMENTS	2,018,425	1,578,700	182,192	5,924	(29,928)	(96,233)	8,066	546	196,694	171,889	575
ADJ OTHER TAXES	104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107
BOOK OPERATING EXPENSE SUMMARY:											
BOOK O&M EXPENSE	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	88,317
BOOK DEPRECIATION EXPENSE	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333
BOOK OTHER AMORTIZATIONS	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520
BOOK OTHER TAXES	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531
TOT OP EXPENSE BEFORE INC TAX - BOOK	2,863,208,640	1,465,805,677	186,621,637	3,561,203	707,981,294	442,844,965	3,461,105	458,617	28,424,307	23,918,136	131,701
OP INCOME BEFORE INC. TAX	794,294,808	383,404,922	54,778,982	811,891	201,590,906	112,095,004	1,840,844	56,244	36,532,604	3,107,931	75,481



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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
TEMPORARY DIFFERENCES:												
TXD INTEREST CHARGES	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	
TOTAL OPERATING INTEREST DEDUCTIONS	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	
BOOK OPERATING INTEREST DEDUCTIONS	(211,661,368)	(117,874,922)	(14,246,981)	(222,033)	(46,814,967)	(24,714,624)	(292,396)	(25,745)	(3,925,296)	(3,532,044)	(12,360)	
TAXABLE INCOME BEFORE SIT	582,633,440	265,530,000	40,532,001	589,858	154,775,939	87,380,380	1,548,448	30,498	32,607,308	(424,113)	63,121	

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
CURRENT INCOME TAXES:											
TOTAL STATE INCOME TAX - PB BLENDED	(2,916,502)	(1,329,170)	(202,892)	(2,953)	(774,766)	(437,402)	(7,751)	(153)	(163,223)	2,123	(316)
FEDERAL INCOME TAX-PER BOOKS	(49,091,019)	(22,372,795)	(3,415,110)	(49,700)	(13,040,976)	(7,362,420)	(130,468)	(2,570)	(2,747,398)	35,735	(5,318)
INVESTMENT TAX CREDITS:											
ITC - PRODUCTION RELATED	(1,752,841)	(869,392)	(107,019)	(881)	(493,963)	(280,217)	(1,243)	(128)	(0)	(0)	(0)
ITC - TRANSMISSION RELATED	(164,777)	(81,076)	(9,980)	(82)	(46,065)	(27,447)	(116)	(12)	(0)	(0)	(0)
ITC - DISTRIBUTION RELATED	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)
ITC - GENERAL RELATED	(69,476)	(42,692)	(5,150)	(117)	(11,723)	(5,909)	(125)	(13)	(1,911)	(1,828)	(7)
ITC - HARRIS DISALLOW.- NCR	213,806	106,046	13,054	107	60,252	34,180	152	16	0	0	0
ITC - HARRIS DISALLOW.- SCR	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.- WHSLE	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.-NCEMPA	0	0	0	0	0	0	0	0	0	0	0
BOOK INVESTMENT TAX CREDITS	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub E1 Item #45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Item No. 45C COS "PROFORMA ADJUSTED"

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Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEFERRED INCOME TAXES:											
BOOK DEFERRED INCOME TAXES	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875
BOOK DEFERRED INCOME TAXES	164,993,723	75,194,419	11,478,101	167,039	43,830,403	24,744,914	438,499	8,637	9,233,938	(120,103)	17,875
NET CURR & DEF STATE & FED INC TAX ADJUSTMENTS:											
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	43,551,703	32,314,982	1,326,633	25,825	5,681,455	646,044	79,108	15,128	862,161	2,594,112	6,255
ADJ IT REMOVE NC EDIT RIDER	18,743,332	8,542,107	1,303,915	18,976	4,979,146	2,811,029	49,814	981	1,048,978	(13,644)	2,031
ADJ IT CHANGE IN NC TAX RATE	(2,182,711)	(994,751)	(151,844)	(2,210)	(579,835)	(327,352)	(5,801)	(114)	(122,156)	1,589	(236)
ADJ IT INTEREST SYNCHRONIZATION	122,855	68,419	8,269	129	27,173	14,345	170	15	2,278	2,050	7
ADJ IT CASH WK CAP INTEREST SYNCHRONIZATION	(214,416)	(119,409)	(14,432)	(225)	(47,424)	(25,036)	(296)	(26)	(3,976)	(3,578)	(13)
ADJ IT ITC ADJUSTMENT - PROD	(929,837)	(461,190)	(56,771)	(467)	(262,035)	(148,648)	(659)	(68)	(0)	(0)	(0)
ADJ IT ITC ADJUSTMENT - TRANS	(152,682)	(75,729)	(9,322)	(77)	(43,027)	(24,408)	(108)	(11)	0	0	0
ADJ IT ITC ADJUSTMENT - DISTR	(382,060)	(260,997)	(30,649)	(822)	(37,501)	(9,373)	(1,062)	(84)	(21,880)	(19,625)	(68)
ADJ IT ITC ADJUSTMENT - GEN	(15,965)	(9,810)	(1,183)	(27)	(2,694)	(1,358)	(29)	(3)	(439)	(420)	(2)
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	58,540,219	39,003,621	2,374,617	41,101	9,715,259	2,935,243	121,136	15,818	1,764,966	2,560,485	7,974
ADJ NET CURR & DEF STATE & FED INC TAXES	171,526,421	90,496,076	10,234,716	155,488	39,729,920	19,880,335	421,416	21,732	8,088,283	2,478,239	20,214
TOTAL OPER EXPENSE - PB	2,974,060,928	1,516,164,664	194,343,712	3,673,841	737,469,059	459,501,817	3,759,051	464,315	34,725,060	23,815,539	143,870
TOTAL OPER EXPENSE - ADJ	3,112,461,715	1,596,350,131	193,496,057	3,410,903	796,743,180	453,412,310	4,143,632	452,667	37,065,841	27,229,028	157,966

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "PROFORMA ADJUSTED"  
NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>PRODUCTION PLANT IN SERVICE:</b>											
PRODUCTION PLANT	10,776,509,396	5,345,041,888	657,952,889	5,415,209	3,036,895,110	1,722,779,936	7,639,428	784,936	0	0	0
CONTRA AFUDC - WHS	0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL	(321,021,266)	(159,223,367)	(19,599,748)	(161,314)	(90,466,020)	(51,319,864)	(227,571)	(23,382)	(0)	(0)	(0)
CONTRA AFUDC - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(192,412,520)	(23,685,198)	(194,938)	(109,323,117)	(62,017,181)	(275,007)	(28,256)	(0)	(0)	(0)
HARRIS DISALLOWANCE - SC	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA	0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC	(11,032,277)	(5,471,900)	(673,569)	(5,544)	(3,108,972)	(1,763,668)	(7,821)	(804)	(0)	(0)	(0)
CWIP IN RATE BASE - NC RETAIL	102,930,000	51,052,260	6,284,325	51,722	29,006,388	16,454,840	72,967	7,497	0	0	0
TOTAL PRODUCTION PLANT	10,159,449,637	5,038,986,362	620,278,700	5,105,136	2,863,003,389	1,624,134,063	7,201,997	739,990	0	0	0
<b>TRANSMISSION PLANT IN SERVICE:</b>											
TRANSMISSION PLANT - TRAN	1,513,105,622	750,485,397	92,381,696	760,337	426,403,661	241,891,684	1,072,635	110,211	0	0	0
TRANSMISSION PLANT - PROD	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0
TRANS PLANT - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSLE/PA	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION PLANT	1,643,262,895	808,538,677	99,527,818	819,153	459,387,823	273,715,080	1,155,608	118,736	0	0	0
<b>DISTRIBUTION PLANT IN SERVICE</b>											
<b>SUBSTATIONS:</b>											
SUBSTATIONS - RETAIL	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST SUBSTATIONS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894
<b>OVERHEAD LINES:</b>											
PRIMARY POLES - CUSTOMER	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872
PRIMARY POLES - DEMAND	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682
SECONDARY POLES - CUSTOMER	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0
SECONDARY POLES - DEMAND	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0
PRIMARY CONDUCTOR - CUST	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417
PRIMARY CONDUCTOR - DEMAND	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950
PRIMARY COND - ADDL FAC RETAIL	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0
PRIMARY COND - ADDL FAC WHSL	0	0	0	0	0	0	0	0	0	0	0
SECONDARY COND - CUSTOMER	105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0
SECONDARY COND - DEMAND	43,809,771	32,871,316	3,070,771	12,117	7,469,895	0	110,477	1,784	215,062	68,349	0
TOTAL DIST OVERHEAD LINES	1,615,678,121	1,299,103,638	160,996,393	5,059,839	120,495,082	21,903,503	3,195,436	658,585	2,040,969	1,946,754	277,922
<b>UNDERGROUND LINES:</b>											
U/G LINES - PRIMARY CUSTOMER	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305
U/G LINES - SECONDARY CUSTOMER	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0
U/G LINES - PRIMARY DEMAND	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251
U/G LINES - SECONDARY DEMAND	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0
TOTAL DIST UNDERGRND LINES	1,180,375,674	921,954,349	107,709,679	2,843,400	122,461,822	17,528,706	3,232,750	371,430	2,502,294	1,504,688	266,556

DUKE ENERGY PROGRESS, LLC

Item No. 45C COS "PROFORMA ADJUSTED"

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - RATE BASE												
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
LINE TRANSFORMERS:												
LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0	
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656	
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0	
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0	
TOTAL DIST LINE TRNSFRMS	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656	
SERVICES:												
SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0	
TOTAL DIST SERVICES	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0	
METERS:												
METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0	
TOTAL DIST METERS	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	
STREET LIGHTS	305,063,146	0	0	0	0	0	0	0	0	305,063,146	0	
AREA LIGHTS	335,794,236	0	0	0	0	0	0	0	335,794,236	0	0	
DISTR PLANT SUBTOTAL	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	
TOTAL DISTRIBUTION PLANT	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	
GENERAL PLANT:												
GENERAL PLANT - PROD	17,310,665	8,585,928	1,056,893	8,699	4,878,271	2,767,362	12,271	1,261	0	0	0	
GENERAL PLANT - T/D	271,039,956	174,095,476	20,605,270	487,738	37,102,901	14,869,678	633,064	50,812	12,207,585	10,949,327	38,104	
GENERAL PLANT - CUST/SALES	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177	
GENERAL PLANT - LABOR	155,837,215	85,215,676	10,425,403	198,321	35,971,498	21,945,268	178,745	26,154	592,220	1,275,986	7,944	
TOTAL GENERAL PLANT	465,434,827	286,000,548	34,502,320	785,442	78,536,936	39,586,517	836,919	89,994	12,799,805	12,249,120	47,225	
TOTAL TANGIBLE PLANT	18,320,410,007	10,268,007,878	1,239,817,929	19,738,722	3,994,987,677	2,085,909,215	26,013,247	2,272,661	359,404,723	323,128,847	1,129,107	
INTANGIBLE PLANT:												
INTANGIBLE PLT	358,178,329	200,747,576	24,239,409	385,907	78,105,130	40,781,155	508,579	44,432	7,026,643	6,317,421	22,075	
BOOK PLANT IN SERVICE	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182	



DUKE ENERGY PROGRESS, LLC

Item No. 45C COS "PROFORMA ADJUSTED"

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM											
COS DETAIL - RATE BASE											
	NC		NC		NC		NC		NC		NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
PLANT IN SERVICE ADJUSTMENTS:											
ADJPLT DSDR TRANSMISSION	(362,199)	(179,647)	(22,114)	(182)	(102,070)	(57,903)	(257)	(26)	0	0	0
ADJPLT DSDR DISTRIBUTION	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(14,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)	(25,744)
ADJPLT DSDR GENERAL	(12,701,020)	(7,804,527)	(941,517)	(21,434)	(2,143,155)	(1,080,257)	(22,838)	(2,456)	(349,288)	(334,260)	(1,289)
ADJPLT DSDR INTANGIBLE	(22,305,852)	(12,501,722)	(1,509,529)	(24,033)	(4,864,062)	(2,539,680)	(31,672)	(2,767)	(437,590)	(393,423)	(1,375)
Total DSDR ADJ TO PLANT IN SERVICE	(179,383,279)	(118,866,324)	(14,025,898)	(355,674)	(21,244,995)	(7,210,783)	(454,970)	(36,753)	(9,034,377)	(8,125,098)	(28,407)
ADJPLT REMOVE JAAR EPIS	(771,579,130)	(382,695,604)	(47,108,270)	(387,719)	(217,436,352)	(123,348,015)	(546,970)	(56,200)	(0)	(0)	(0)
ADJPLT ADDITIONS TO EPIS PROD	859,879,589	426,491,756	52,499,398	432,091	242,320,033	137,464,113	609,565	62,632	0	0	0
ADJPLT ADDITIONS TO EPIS TRANS	168,807,606	83,726,900	10,306,440	84,826	47,571,154	26,986,322	119,667	12,296	0	0	0
ADJPLT ADDITIONS TO EPIS DIST	732,785,417	500,587,715	58,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159	130,990
ADJPLT ADDITIONS TO EPIS GEN	59,055,772	36,288,610	4,377,758	99,659	9,965,003	5,022,856	106,191	11,419	1,624,078	1,554,205	5,992
ADJPLT ADDITIONS TO EPIS INT	25,407,735	14,240,228	1,719,447	27,375	5,540,465	2,892,852	36,077	3,152	498,442	448,133	1,566
ADJPLT REMOVE ASHEVILLE CWP IN RATEBASE	(102,930,389)	(51,052,453)	(6,284,349)	(51,723)	(29,006,498)	(16,454,902)	(72,967)	(7,497)	(0)	(0)	(0)
Total ADDITIONS ADJ TO PLANT IN SERVICE	1,743,005,729	1,010,282,757	121,402,327	2,169,730	348,316,673	173,887,866	2,834,881	242,298	44,088,152	39,642,497	138,548
ADJPLT PLANT RETIREMENT - PROD	(287,052,397)	(142,375,145)	(17,525,801)	(144,244)	(80,893,357)	(45,889,452)	(203,490)	(20,908)	(0)	(0)	(0)
Total ADJ for OTHER CLAUSES	(950,962,409)	(501,561,928)	(61,134,169)	(743,394)	(238,681,346)	(130,558,798)	(1,001,940)	(92,953)	(9,034,377)	(8,125,098)	(28,407)
EPIS ADJUSTMENTS	504,990,922	366,345,684	42,742,357	1,282,092	28,741,970	(2,560,384)	1,629,451	128,437	35,053,775	31,517,399	110,141
ADJ PLANT IN SERVICE	19,183,579,258	10,835,101,138	1,306,799,696	21,406,721	4,101,834,777	2,124,129,985	28,151,277	2,445,530	401,485,141	360,963,668	1,261,324

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

Item No. 45C COS "PROFORMA ADJUSTED"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RESERVE FOR DEPRECIATION											
PRODUCTION FUNCTION:											
DPR PRODUCTION RELATED	(4,543,207,819)	(2,253,386,065)	(277,382,648)	(2,282,968)	(1,280,307,482)	(726,297,077)	(3,220,663)	(330,917)	(0)	(0)	(0)
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF . NCEMPA -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC NC RET-PROD	238,121,493	118,105,901	14,538,355	119,656	67,104,289	38,067,144	168,803	17,344	0	0	0
DPR CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NC	254,433,596	126,196,543	15,534,280	127,853	71,701,153	40,674,868	180,367	18,532	0	0	0
DPR HARRIS DISALLOW. - SC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(168,688,680)	(20,764,889)	(170,903)	(95,843,931)	(54,370,663)	(241,099)	(24,772)	(0)	(0)	(0)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION RESERVE	(4,390,757,667)	(2,177,772,300)	(268,074,901)	(2,206,361)	(1,237,345,972)	(701,925,729)	(3,112,592)	(319,812)	(0)	(0)	(0)
TRANSMISSION FUNCTION:											
DPR TRANS RELATED - PROD	(36,728,095)	(18,216,771)	(2,242,410)	(18,456)	(10,350,232)	(5,871,514)	(26,036)	(2,675)	(0)	(0)	(0)
DPR TRANS RELATED - TRANS	(451,883,014)	(224,129,498)	(27,589,428)	(227,072)	(127,343,768)	(72,239,995)	(320,338)	(32,914)	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION RESERVE	(488,611,108)	(242,346,269)	(29,831,839)	(245,528)	(137,694,000)	(78,111,509)	(346,375)	(35,589)	(0)	(0)	(0)
DISTRIBUTION FUNCTION:											
DPR DISTRIBUTION RELATED	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
TOTAL DISTRIBUTION RESERVE	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
GENERAL FUNCTION:											
DPR GENERAL RELATED	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)
TOTAL GENERAL RESERVE	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)
INTANGIBLE:											
TOTAL LIMITED TERM PLT RESERVE	(219,259,910)	(122,888,215)	(14,838,225)	(236,234)	(47,812,284)	(24,964,303)	(311,328)	(27,199)	(4,301,380)	(3,867,228)	(13,513)
BOOK DEPRECIATION RESERVE	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

Item No. 45C COS "PROFORMA ADJUSTED"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL									
DEPRECIATION RESERVE ADJUSTMENTS:																				
ADJDDPR DSDR Trans	60,165	29,841	3,673	30	16,955	9,618	43	4	0	0	0									
ADJDDPR DSDR Dist	38,449,890	26,266,274	3,084,428	82,773	3,774,047	943,249	106,849	8,411	2,201,973	1,975,012	6,873									
ADJDDPR DSDR Gen	3,620,619	2,224,799	268,394	6,110	610,939	307,944	6,510	700	99,570	95,286	367									
ADJDDPR DSDR INT	22,026,348	12,345,068	1,490,614	23,732	4,803,112	2,507,857	31,275	2,732	432,107	388,493	1,358									
ADJDDPR YE DEPR RES-JAAR	94,576,975	46,909,243	5,774,337	47,525	26,652,448	15,119,489	67,045	6,889	0	0	0									
Total DSDR ADJ TO DEPRECIATION RESERVE																				
	158,733,998	87,775,226	10,621,446	160,170	35,857,501	18,888,157	211,723	18,737	2,733,650	2,458,791	8,598									
ADJDDPR ADDITIONS TO EPIS- PROD																				
	(226,207,584)	(112,196,720)	(13,810,959)	(113,670)	(63,746,866)	(36,162,534)	(160,356)	(16,476)	(0)	(0)	(0)									
ADJDDPR ADDITIONS TO EPIS- TRANS																				
	(15,529,281)	(7,702,370)	(948,130)	(7,803)	(4,376,259)	(2,482,579)	(11,009)	(1,131)	0	0	0									
ADJDDPR ADDITIONS TO EPIS- DIST																				
	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)									
ADJDDPR ADDITIONS TO EPIS- GEN																				
	23,341,452	14,342,863	1,730,284	39,390	3,938,610	1,985,255	41,971	4,513	641,907	614,291	2,368									
ADJDDPR ADDITIONS TO EPIS- INT	(38,223,039)	(21,422,799)	(2,586,711)	(41,182)	(8,334,997)	(4,351,965)	(54,273)	(4,742)	(749,849)	(674,164)	(2,356)									
Total ADDITIONS ADJ TO DEPRECIATION RESERVE																				
	(383,472,768)	(213,637,017)	(25,791,699)	(396,351)	(84,970,892)	(44,123,802)	(536,186)	(45,585)	(7,372,717)	(6,575,856)	(22,663)									
ADJDDPR YE DEPR RES-MERGER TRANS																				
	347,209	172,212	21,199	174	97,846	55,506	246	25	0	0	0									
ADJDDPR NEW RATES - PROD																				
	(77,578,786)	(38,478,309)	(4,736,523)	(38,983)	(21,862,240)	(12,402,084)	(54,995)	(5,651)	(0)	(0)	(0)									
ADJDDPR NEW RATES - TRANS																				
	(5,080,519)	(2,519,887)	(310,188)	(2,553)	(1,431,726)	(812,194)	(3,602)	(370)	0	0	0									
ADJDDPR NEW RATES - DIST																				
	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661									
ADJDDPR NEW RATES - GEN																				
	(9,764,896)	(6,000,337)	(723,864)	(16,479)	(1,647,717)	(830,531)	(17,559)	(1,888)	(268,542)	(256,988)	(991)									
Total ADJUSTMENT FOR NEW DEPR. RATES																				
	(88,727,933)	(44,473,501)	(5,474,063)	(50,058)	(24,578,876)	(13,954,133)	(65,884)	(7,100)	(56,862)	(67,126)	(330)									
ADJDDPR PLANT RETIREMENT - PROD																				
	210,671,327	104,490,891	12,862,403	105,863	59,368,641	33,678,840	149,344	15,345	0	0	0									
TOTAL DEPR RESERVE ADJUSTS																				
	(102,448,167)	(65,672,190)	(7,760,713)	(180,202)	(14,225,780)	(5,455,432)	(240,757)	(18,579)	(4,695,929)	(4,184,191)	(14,395)									
ADJ DEPRECIATION RESERVE																				
	(8,144,507,672)	(4,610,909,251)	(555,870,573)	(9,147,081)	(1,734,745,936)	(890,172,276)	(12,068,936)	(1,041,909)	(173,871,053)	(156,136,178)	(544,479)									
BOOK NET PLANT IN SERVICE																				
	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099									

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "PROFORMA ADJUSTED"  
NCUC Form E-1

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MCS	NC LCS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PLANT HELD FOR FUTURE USE		0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY		230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
ADJNUC NUC FUEL - JAAR		(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)
ADJ NUCLEAR FUEL INVENTORY		202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,496,974	236,601	26,397	1,598,938	508,158	6,716
ACCUM DEFERRED INCOME TAXES:												
DFTR NC CLEAN AIR		17,880,376	8,868,489	1,091,675	8,985	5,038,814	2,858,435	12,675	1,302	0	0	0
DFTR ALL PLANT RELATED		(1,702,255,973)	(947,992,030)	(114,579,265)	(1,785,672)	(376,502,608)	(198,763,797)	(2,351,552)	(207,052)	(31,568,627)	(28,405,950)	(99,400)
DFTR TRANSMISSION RELATED		0	0	0	0	0	0	0	0	0	0	0
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND		79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0
SC RETAIL - HARRIS ACCELERATED DEPR UNWIND		0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT NC RETAIL - FED TAX CHANGE		272,646,772	151,837,897	18,351,924	286,007	60,303,634	31,835,581	376,643	33,163	5,056,281	4,549,721	15,921
DFTR EDIT SC RETAIL - FED TAX CHANGE		0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE		0	0	0	0	0	0	0	0	0	0	0
BOOK ACCUM DEFERRED INC TAX		(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)
ADJ DFTR REMOVE DSM		50,920,087	31,795,563	3,703,625	60,637	14,387,832	775,446	77,659	9,129	82,174	27,683	339
ADJ DFTR REMOVE REPS		(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)
ADJ DFTR REMOVE JAAR: PLANT REL		43,070,485	23,986,097	2,899,085	45,181	9,526,270	5,029,122	59,499	5,239	798,749	718,727	2,515
ADJ DFTR REMOVE DSDR - TRANS PLANT		46,094	22,862	2,814	23	12,990	7,369	33	3	0	0	0
ADJ DFTR REMOVE DSDR - DISTR PLANT		18,048,049	12,329,164	1,447,804	38,853	1,771,505	442,753	50,154	3,948	1,033,587	927,054	3,226
ADJ DFTR REMOVE DSDR - GEN PLANT		1,591,708	978,074	117,992	2,686	268,583	135,379	2,862	308	43,773	41,890	162
ADJ DFTR REMOVE DSDR - INTANG PLANT		2,795,399	1,566,732	189,176	3,012	609,571	318,276	3,969	347	54,839	49,304	172
Total ADJUSTMENT FOR OTHER CLAUSES TO ACC DEF INC TAX		90,146,324	61,861,459	(3,666,654)	(338,673)	22,979,920	6,591,995	155,960	(28,075)	925,172	1,663,163	2,058
ADJ DFTR ADDITIONS TO EPIS - PROD		(22,312,384)	(11,066,721)	(1,362,268)	(11,212)	(6,287,785)	(3,566,955)	(15,817)	(1,625)	(0)	(0)	(0)
ADJ DFTR ADDITIONS TO EPIS - TRANS		(1,233,456)	(611,782)	(75,308)	(620)	(347,596)	(197,186)	(874)	(90)	0	0	0
ADJ DFTR ADDITIONS TO EPIS - DIST		(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)
ADJ DFTR ADDITIONS TO EPIS - GEN		(1,390,184)	(854,241)	(103,053)	(2,346)	(234,578)	(118,239)	(2,500)	(269)	(38,231)	(36,586)	(141)
ADJ DFTR ADDITIONS TO EPIS - INT		(187,273)	(104,961)	(12,674)	(202)	(40,837)	(21,322)	(266)	(23)	(3,674)	(3,303)	(12)
Total ADDITIONS ADJ TO ACC DEF INC TAX		(31,249,158)	(16,822,464)	(2,044,716)	(27,567)	(7,512,080)	(4,053,981)	(36,480)	(3,347)	(392,725)	(354,549)	(1,248)
ADJ DFTR ADIT RELATED TO ASH DEFERRAL		(98,211,506)	(42,444,282)	(4,968,618)	(80,514)	(28,423,110)	(21,272,057)	(109,193)	(12,109)	(682,009)	(216,749)	(2,865)
ADJ DFTR RATE CASE EXP DEFERRAL		(618,649)	(344,528)	(41,641)	(649)	(136,832)	(72,236)	(855)	(75)	(11,473)	(10,324)	(36)
ADJ DFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS		19,427,691	10,819,346	1,307,683	20,380	4,296,990	2,268,473	26,838	2,363	360,290	324,194	1,134
ADJ DFTR SEVERANCE DEFERRAL		(5,397,808)	(2,951,656)	(361,110)	(6,869)	(1,245,962)	(760,129)	(6,191)	(906)	(20,513)	(44,197)	(275)
ADJ DFTR ADIT RELATED TO STORM DEFERRAL		(141,806,512)	(114,021,075)	(14,130,498)	(444,097)	(10,575,737)	(1,922,449)	(280,460)	(57,803)	(179,134)	(170,865)	(24,393)
ADJ DFTR ADIT RETIRED PLANT - PROD		(15,275,255)	(7,576,375)	(932,621)	(7,676)	(4,304,673)	(2,441,969)	(10,829)	(1,113)	(0)	(0)	(0)
ADJ DFTR ADIT ASHEVILLE CC		(6,299,159)	(3,124,320)	(384,591)	(3,165)	(1,775,147)	(1,007,011)	(4,465)	(459)	(0)	(0)	(0)
TOTAL ACCUM DEF TAX ADJUSTS		(189,284,031)	(114,603,895)	(25,222,767)	(888,831)	(26,696,631)	(22,669,365)	(265,676)	(101,525)	(392)	1,190,674	(25,624)
ADJ ACCUM DEFERRED INC TAX		(1,521,911,942)	(862,656,269)	(115,528,998)	(2,339,762)	(315,565,605)	(174,093,727)	(2,171,835)	(268,350)	(26,512,739)	(22,665,555)	(109,103)

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COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
REGULATORY ASSETS:											
RA SFAS 109	99,473,378	55,397,056	6,695,579	104,348	22,001,383	11,615,002	137,416	12,099	1,844,751	1,659,936	5,809
RA SFAS 158	296,898,715	162,351,622	19,862,320	377,839	68,532,357	41,809,793	340,543	49,828	1,128,289	2,430,990	15,134
RA MAYO 2 ABANDONMENT - WHS	0	0	0	0	0	0	0	0	0	0	0
RA PRODUCTION REL	22,980,264	11,397,983	1,403,045	11,548	6,475,998	3,673,726	16,291	1,674	0	0	0
RA GRIDSOUTH	0	0	0	0	0	0	0	0	0	0	0
RA SC DERP	0	0	0	0	0	0	0	0	0	0	0
RA REPS DEFERRAL	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
RA DSMEE DEFERRAL	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464
RA PSNC PIPELINE	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
RA POLLUTION CNTL DEFERRAL - SC	0	0	0	0	0	0	0	0	0	0	0
RA EMISSION ALLOWANCE PROCEEDS - NCR	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43
RA DISTRIBUTION REL	19,424,242	13,269,283	1,556,202	41,815	1,906,565	476,514	53,978	4,249	1,112,400	997,743	3,472
RA STORM REL REG ASSETS (LIABILITIES)- NCR	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828
RA STORM REL REG ASSETS (LIABILITIES)- SCR	0	0	0	0	0	0	0	0	0	0	0
RA METER PLANT RETIREMENTS	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020
RL EDIT NC RETAIL - FED TAX CHANGE	(1,176,758,753)	(655,340,876)	(79,207,933)	(1,234,423)	(260,273,864)	(137,404,151)	(1,625,613)	(143,134)	(21,823,192)	(19,636,853)	(68,714)
RL EDIT SC RETAIL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RL EDIT WHL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RA OVER AMORTIZATIONS - NC RETAIL	(3,452,689)	(1,922,814)	(232,401)	(3,622)	(763,661)	(403,153)	(4,770)	(420)	(64,031)	(57,616)	(202)
RA PLANT REL	(18,159,563)	(10,113,121)	(1,222,325)	(19,049)	(4,016,507)	(2,120,400)	(25,086)	(2,209)	(336,772)	(303,033)	(1,060)
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)	0	0	0	0	0	0	0	0	0	0	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088
BOOK REGULATORY ASSETS											
	(437,290,815)	(218,834,059)	(74,093,952)	(2,290,199)	(64,426,908)	(40,742,944)	(641,150)	(206,944)	(21,202,661)	(14,803,158)	(48,839)
REGULATORY ASSET ADJUSTMENTS:											
ADJRA REMOVE DSM	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)
ADJRA REMOVE REPS	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727
ADJRA REMOVE JAAR	(44,392,629)	(22,018,304)	(2,710,364)	(22,307)	(12,510,151)	(7,086,800)	(31,470)	(3,233)	(0)	(0)	(0)
ADJRA ADJUST RETIRED METERS	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)
ADJRA NC COAL ASH DEFERRAL	423,886,366	183,191,901	21,444,835	347,503	122,675,737	91,811,389	471,284	52,264	2,943,589	935,500	12,364
ADJRA ANNUAL/ REM EXP. REG ASSETS - PROD	(12,930,007)	(6,413,155)	(789,433)	(6,497)	(3,643,766)	(2,067,048)	(9,166)	(942)	(0)	(0)	(0)
ADJRA ANNUAL/ REM EXP. REG ASSETS - ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)
ADJRA ANNUAL/ REM EXP. REG ASSETS - DIST	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,356)	(186)	(48,592)	(43,583)	(152)
ADJRA ANNUAL/ REM EXP. REG ASSETS - PLANT	1,706,244	950,213	114,848	1,790	377,385	199,229	2,357	208	31,643	28,472	100
ADJRA ANNUAL/ REM EXP. REG ASSETS - STORM	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS	(83,851,003)	(41,491,593)	(4,956,133)	(92,907)	(21,564,890)	(15,017,849)	(99,283)	(13,156)	(447,754)	(161,592)	(3,847)
ADJRA DEFERRED SEVERANCE	23,297,241	12,739,512	1,556,569	29,648	5,377,641	3,280,758	26,722	3,910	88,535	190,756	1,188
ADJRA ADJUST STORM DEFERRAL	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,639,847	1,114,554	229,712	711,881	679,019	96,938
ADJRA ADJUST STORM DEFERRAL-TRANS	45,299,769	22,468,236	2,766,748	22,763	12,765,789	7,241,819	32,113	3,300	0	0	0
ADJRA ADJUST STORM DEFERRAL-PROD	3,203,586	1,588,947	195,593	1,610	902,793	512,139	2,271	233	0	0	0
ADJRA ADJUST RETIRED PLANT - PROD	65,928,858	32,700,061	4,025,244	33,129	18,579,210	10,539,676	46,737	4,802	0	0	0
ADJRA ADJUST ASHEVILLE CC	27,187,523	13,484,742	1,659,917	13,662	7,661,633	4,346,316	19,273	1,980	0	0	0
TOTAL REG ASSETS ADJUSTMENTS	916,049,833	555,217,015	115,693,155	3,932,627	129,240,653	100,410,014	1,410,437	442,581	7,618,967	1,960,559	123,826
ADJ REGULATORY ASSETS	478,759,019	336,382,956	41,599,202	1,642,428	64,813,745	59,667,071	769,288	235,636	(13,583,694)	(12,842,599)	74,987



**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219, E 1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "PROFORMA ADJUSTED"

Summer CP Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MCS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OPERATING RESERVES:												
OR LABOR RELATED OR COAL MINES & ENERGY RELATED		(53,609,411) (1,095,246)	(29,314,963) (473,335)	(3,586,433) (55,410)	(68,224) (898)	(12,374,521) (316,972)	(7,549,371) (237,224)	(61,490) (1,218)	(8,997) (135)	(203,729) (7,606)	(438,951) (2,417)	(2,733) (32)
BOOK OPERATING RESERVES		(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)
TOTAL OPERATING RESERVES		(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)
WORKING CAPITAL:												
MATERIALS AND SUPPLIES:												
WC MAT & SUP PLUS STORES EXP		498,512,419	279,400,376	33,736,398	537,106	108,706,681	56,759,191	707,840	61,841	9,779,678	8,792,584	30,724
WC EMISSION ALLOWANCES		1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40
WC EMISSION ALLOWANCE PROCEEDS - REPS		120,428,610	40,534,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927
WC FUEL INVENTORY		134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922
BOOK MATERIALS & SUPPLIES		754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,882	293,821	15,699,885	9,556,662	54,613
MATERIAL & SUPPLIES ADJUSTMENTS:												
ADJWC REPS Inventory		(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)
ADJWC M&S Inventory - JJAAR		(37,024,580)	(18,363,825)	(2,260,512)	(18,605)	(10,433,784)	(5,918,911)	(26,247)	(2,697)	(0)	(0)	(0)
ADJWC FUEL INVENTORY		9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281
ADJWC RETIRED PLANT INVENTORY		(7,002,383)	(3,924,613)	(473,880)	(7,544)	(1,526,955)	(797,271)	(9,943)	(869)	(137,371)	(123,506)	(4,932)
ADJWC ASHEVILLE CC INVENTORY		3,735,479	2,093,617	252,795	4,025	814,566	425,311	5,304	463	73,282	65,885	230
TOT MATERIALS & SUPP ADJUSTS		(151,078,841)	(56,362,535)	(57,013,240)	(2,251,500)	(24,809,981)	(4,734,883)	(194,986)	(217,145)	(4,974,081)	(500,643)	(19,847)
ADJ MATERIALS & SUPPLIES		603,695,041	322,075,419	38,614,481	634,241	139,661,753	81,977,188	838,696	76,675	10,725,803	9,056,019	34,766
CASH WORKING CAPITAL:												
WC PREPAYMENTS		0	0	0	0	0	0	0	0	0	0	0
WC DEFERRED DEBITS		4,690,569	2,612,193	315,723	4,920	1,037,454	547,694	6,480	571	86,987	78,273	274
WC PRELIMINARY SURVEY CHARGES		5,046,089	2,502,810	308,086	2,536	1,422,023	806,680	3,577	368	0	0	0
WC UNAMORTIZED DEBT EXPENSE		28,946,387	16,120,339	1,948,389	30,365	6,402,322	3,379,923	39,987	3,521	536,816	483,035	1,690
WC UNAMORTIZED LOSS ON REACQ DEBT		3,072,405	1,711,033	206,804	3,223	679,550	358,749	4,244	374	56,978	51,270	179
WC CUSTOMER DEPOSITS - INPUT		(116,588,158)	(99,338,867)	(13,250,447)	(497,610)	(3,206,028)	(23,097)	(70,449)	(64,571)	(0)	(130,632)	(6,457)
WC CUST ADV FOR CONSTRUCTION		(23,190,077)	(15,841,838)	(1,860,295)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)
WC CASH ALLOW LEADLAG		160,141,423	89,183,293	10,779,160	167,989	35,419,857	18,698,902	221,225	19,479	2,969,850	2,672,318	9,351
BOOK CASH WORKING CAPITAL		62,118,639	(3,051,036)	(1,552,580)	(338,500)	39,478,956	23,199,964	140,621	(45,332)	2,322,567	1,963,085	892
WC CASH ALLOW ADJ		47,393,764	26,393,745	3,190,086	49,716	10,482,487	5,533,929	65,471	5,765	878,925	790,871	2,767
WC RATE CASE DEFERRAL ADJ		2,670,122	1,487,000	179,727	2,801	590,574	311,777	3,689	325	49,518	44,557	156
TOT CASH WORK CAPITAL ADJUSTS		50,063,887	27,880,745	3,369,813	52,517	11,073,061	5,845,706	69,160	6,089	928,443	835,428	2,923
ADJ CASH WORK CAPITAL		112,182,525	24,829,709	1,817,233	(285,982)	50,552,017	29,045,670	209,781	(39,243)	3,251,010	2,798,513	3,816
BOOK WORKING CAPITAL		816,892,521	375,386,917	94,075,141	2,547,242	203,950,691	109,912,035	1,174,303	248,488	18,022,452	11,519,747	55,505
TOT ADJUSTED WORKING CAPITAL		715,877,566	346,905,128	40,431,714	348,259	190,213,770	111,022,858	1,048,477	37,432	13,976,814	11,854,532	38,581
BOOK RATE BASE		9,859,050,290	5,401,739,228	653,629,289	10,083,501	2,257,172,631	1,201,803,010	13,513,933	1,187,739	168,951,290	150,421,433	548,237
ADJUSTED RATE BASE		10,859,980,846	6,100,972,254	723,767,261	12,016,453	2,352,784,826	1,268,284,291	15,902,165	1,425,605	202,882,073	181,240,638	725,261

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, EI Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "PROFORMA ADJUSTED"

Summer CP Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEVELOP LABOR FACTOR												
PRODUCTION LABOR:												
LAB01 LABOR-PROD DEMAND REL	132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0		
LAB02 LABOR-PROD ENERGY REL	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055	
TOTAL PRODUCTION LABOR	237,596,815	111,162,360	13,410,550	152,622	67,752,358	43,924,292	210,627	22,590	727,238	231,123	3,055	
TRANSMISSION LABOR:												
LAB04 LABOR-TRANS PROD REL	868,386	430,711	53,019	436	244,717	138,824	616	63	0	0		
LAB05 LABOR-TRANS PST REL	10,682,116	5,298,224	652,190	5,368	3,010,294	1,707,690	7,573	778	0	0		
TOTAL TRANSMISSION LABOR	11,550,502	5,728,934	705,208	5,804	3,255,012	1,846,514	8,188	841	0	0		
DISTRIBUTION LABOR:												
LAB442 LABOR-SUPERVISION&ENGINEERING	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70	
LAB12 LOAD DISPATCH	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278	
LAB13 LABOR-SUBSTATION	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	
LAB20 LABOR-OVERHEAD LINE	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	13,620	42,207	40,259	5,747	
LAB25 LABOR-UNDERGROUND LINE	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	1,167	7,860	4,727	837	
LAB26 LABOR-LINE TRANSFORMR	591,777	434,001	47,206	921	86,314	17,987	2,682	121	1,766	777	1	
LAB34 LABOR-METER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	
LAB35 LABOR-STREET LIGHT	2,001,283	0	0	0	0	0	0	0	0	2,001,283	0	
LAB36LABOR-CUST INSTALLATNS	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185	
LAB39 LABOR-RENTS	0	0	0	0	0	0	0	0	0	0	0	
LAB38 LABOR-MISCELLANEOUS	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394	
TOTAL DISTRIBUTION LABOR	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591	
CUSTOMER ACCOUNTING LABOR												
	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040	
SALES LABOR												
	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	
CUST SERV & INFO LABOR												
	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	
ADMIN & GENERAL LABOR:												
LAB61 LABOR-AS&G LABOR REL	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891	
TOTAL ADMIN & GEN LABOR	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891	
TOTAL LABOR EXPENSE												
	430,294,724	235,295,886	28,786,422	547,601	99,323,811	60,594,851	493,548	72,216	1,635,227	3,523,229	21,934	

Labor NC

**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"**  
**ALLOCATION Factors used in Item No. 45C COS "Proforma Adjusted at Proposed Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31, 2018**  
**Summer CP Demand Allocation with MINIMUM SYSTEM**

Allocation Factors Input to TACOS Cost of Service Software			Allocation Factors Dynamically Calculated Within TACOS	
Allocator	Functionalized As	Derived Using	Total Code	Calculated As
C1	100% Customer	Number of Customers	LAB	Test Year Company Labor Expense
C2	100% Customer	No. of Customers @ Primary and Below	NB_PLT	Total Net Plant in Service
C5	100% Customer	No. of Customers @ Secondary w/ Meters	PTDG	Gross Tangible Plant in Service
C8	100% Customer	No. of Customers @ Dist. Line Xfmr and Below	RB_PLT_O_DL_	Gross Total Distribution Plant
C9	100% Customer	No. of Customers @ Secondary and Below	RB_PLT_O_DL_CPREM	Gross Installation on Cust. Premises EPIS
CK	100% Customer	Number of Meters	RB_PLT_O_DL_LNTRFMS	Gross Dist. Line Transformer EPIS
D3	100% Dist. Substation	Class Non - Coincident Peaks @ T/D Substation	RB_PLT_O_DL_METR	Gross Meter Investment
D4	100% Dist. Primary	Class Non - Coincident Peaks @ Dist Primary	RB_PLT_O_DL_OH_LN	Gross Dist. Overhead Line Investment
D8	100% Dist. Line Xfmr.	Class Non - Coincident Peaks @ Line Xfmr	RB_PLT_O_DL_STLT	Gross Street Lighting Investment
D7	100% Dist. Secondary	Class Non-Coincident Peaks @ Secondary	RB_PLT_O_DL_SUB	Gross Dist. Substation Investment
E1	100% Energy	Energy @ Prod. Output (Trans. Input)	RB_PLT_O_DL_UGL	Gross Dist. Underground Line Investment
E2	100% Energy	Energy @ Customer Meter	RB_PLT_O_GN	Gross General Plant Investment
DP	100% Prod. Demand	Summer CP Demand @ Prod. Output	RB_PLT_O_PR	Gross Production Plant Investment
DT	100% Transmission	Summer CP Demand @ Prod. Output	RB_PLT_O_TR	Gross Transmission Plant Investment
DSM	50% Prod Demand/50% Energy	DSM Test Year Revenue	TDPLT	Gross Trans. and Dist. Plant Investment
DERP	100% Prod. Demand	DERP Test Year Revenue	WKTX65	Pretax Operating Income Net of Interest Before Add'l Tax Deductions

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>System Factors - TACOS Inputs:</b>														
C1	1.00000	0.89297	0.76085	0.10149	0.00381	0.02456	0.00018	0.00054	0.00049	0.00000	0.00100	0.00005	0.10703	0.00000
CK	1.00000	0.89303	0.76187	0.10162	0.00382	0.02468	0.00039	0.00054	0.00007	0.00000	0.00000	0.00005	0.10697	0.00001
E1	1.00000	0.61109	0.26410	0.03092	0.00050	0.17685	0.13236	0.00068	0.00008	0.00424	0.00135	0.00002	0.10252	0.28639
E2	1.00000	0.60696	0.26147	0.03061	0.00050	0.17538	0.13269	0.00068	0.00007	0.00420	0.00134	0.00002	0.10208	0.29096
DP	1.00000	0.61528	0.30517	0.03757	0.00031	0.17339	0.09836	0.00044	0.00004	0.00000	0.00000	0.00000	0.09446	0.29026
DT	1.00000	0.59670	0.29596	0.03643	0.00030	0.16815	0.09539	0.00042	0.00004	0.00000	0.00000	0.00000	0.09161	0.31169
DSM	1.00000	0.81083	0.50630	0.05898	0.00097	0.22911	0.01235	0.00124	0.00015	0.00131	0.00044	0.00001	0.18917	0.00000
DERP	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000

System Factors - TACOS Calculated:

LAB	1.00000	0.66212	0.36206	0.04430	0.00084	0.15284	0.09324	0.00076	0.00011	0.00252	0.00542	0.00003	0.10427	0.23361
NB_PLT	1.00000	0.67095	0.37365	0.04516	0.00070	0.14840	0.07834	0.00093	0.00008	0.01244	0.01120	0.00004	0.10095	0.22810
PTDG	1.00000	0.67918	0.38066	0.04596	0.00073	0.14810	0.07733	0.00096	0.00008	0.01332	0.01198	0.00004	0.10231	0.21852
RB_PLT_O_DL	1.00000	0.87149	0.59534	0.06991	0.00188	0.08554	0.02138	0.00242	0.00019	0.04991	0.04476	0.00016	0.12568	0.00284
RB_PLT_O_DL_CPREM	1.00000	0.82856	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.82856	0.00000	0.00000	0.17144	0.00000
RB_PLT_O_DL_INTRMS	1.00000	0.90539	0.66400	0.07222	0.00141	0.13206	0.02752	0.00410	0.00019	0.00270	0.00119	0.00000	0.09408	0.00054
RB_PLT_O_DL_METR	1.00000	0.86511	0.61003	0.08005	0.00300	0.15092	0.01745	0.00330	0.00005	0.00000	0.00000	0.00030	0.11376	0.02112
RB_PLT_O_DL_OH_LN	1.00000	0.83917	0.67474	0.08362	0.00263	0.06258	0.01138	0.00166	0.00034	0.00106	0.00101	0.00014	0.15999	0.00084
RB_PLT_O_DL_STLT	1.00000	0.86685	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.86685	0.00000	0.13315	0.00000
RB_PLT_O_DL_SUB	1.00000	0.86562	0.55403	0.05181	0.00020	0.16616	0.08277	0.00532	0.00003	0.00362	0.00115	0.00051	0.12096	0.01342
RB_PLT_O_DL_UGL	1.00000	0.90835	0.70949	0.08289	0.00219	0.09424	0.01349	0.00249	0.00029	0.00193	0.00116	0.00021	0.09165	0.00000
RB_PLT_O_GN	1.00000	0.74041	0.45497	0.05489	0.00125	0.12494	0.06297	0.00133	0.00014	0.02036	0.01949	0.00008	0.11033	0.14926
RB_PLT_O_PR	1.00000	0.61001	0.30256	0.03724	0.00031	0.17190	0.09752	0.00043	0.00004	0.00000	0.00000	0.00000	0.09401	0.29598
RB_PLT_O_TR	1.00000	0.59834	0.29440	0.03624	0.00030	0.16727	0.09966	0.00042	0.00004	0.00000	0.00000	0.00000	0.09168	0.30998
TDPLT	1.00000	0.79408	0.51005	0.06037	0.00143	0.10870	0.04356	0.00185	0.00015	0.03577	0.03208	0.00011	0.11604	0.08988
WKT65	1.00000	0.74052	0.33748	0.05152	0.00075	0.19672	0.11106	0.00197	0.00004	0.04144	-0.00054	0.00008	0.12994	0.12954



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer CP Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>NC Retail Factors - TACOS Inputs:</b>														
C1	1.00000	0.85205	0.11365	0.00427	0.02750	0.00020	0.00060	0.00055	0.00000	0.00112	0.00006			
C5	1.00000	0.85649	0.11421	0.00429	0.02466	0.00000	0.00027	0.00007	0.00000	0.00000	0.00000			
C8	1.00000	0.85215	0.11366	0.00427	0.02749	0.00015	0.00060	0.00055	0.00000	0.00112	0.00000			
CK	1.00000	0.85313	0.11380	0.00427	0.02763	0.00043	0.00061	0.00007	0.00000	0.00000	0.00000			
D3	1.00000	0.64963	0.06075	0.00024	0.19482	0.08207	0.00624	0.00004	0.00425	0.00135	0.00060			
D4	1.00000	0.67603	0.06322	0.00025	0.20224	0.04526	0.00650	0.00004	0.00442	0.00141	0.00063			
D7	1.00000	0.75032	0.07009	0.00028	0.17028	0.00000	0.00252	0.00004	0.00491	0.00156	0.00000			
D8	1.00000	0.68022	0.06361	0.00025	0.20301	0.04054	0.00647	0.00004	0.00445	0.00141	0.00000			
E1	1.00000	0.43217	0.05059	0.00082	0.28941	0.21659	0.00111	0.00012	0.00694	0.00221	0.00003			
E2	1.00000	0.43079	0.05043	0.00082	0.28896	0.21862	0.00111	0.00012	0.00692	0.00220	0.00003			
DP	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000			
DT	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000			
DSM	1.00000	0.62442	0.07273	0.00119	0.28256	0.01523	0.00153	0.00018	0.00161	0.00054	0.00001			
REPS	1.00000	0.33492	0.45686	0.01858	0.13663	0.00442	0.00145	0.00179	0.04133	0.00386	0.00017			
<b>NC Retail Factors - TACOS Calculated:</b>														
LAB	1.00000	0.54682	0.06690	0.00127	0.23083	0.14082	0.00115	0.00017	0.00380	0.00819	0.00005			
NB_PLT	1.00000	0.55690	0.06731	0.00105	0.22118	0.11676	0.00138	0.00012	0.01855	0.01669	0.00006			
PTDG	1.00000	0.56047	0.06767	0.00108	0.21806	0.11386	0.00142	0.00012	0.01962	0.01764	0.00006			
RB_PLT_O_DL	1.00000	0.68313	0.08022	0.00215	0.09815	0.02453	0.00278	0.00022	0.05727	0.05137	0.00018			
RB_PLT_O_DL_CPREM	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000			
RB_PLT_O_DL_INTRMS	1.00000	0.73339	0.07977	0.00156	0.14586	0.03040	0.00453	0.00020	0.00298	0.00131	0.00000			
RB_PLT_O_DL_METR	1.00000	0.70515	0.09253	0.00347	0.17445	0.02017	0.00381	0.00006	0.00000	0.00000	0.00035			
RB_PLT_O_DL_OH_LN	1.00000	0.80406	0.09965	0.00313	0.07458	0.01356	0.00198	0.00041	0.00126	0.00120	0.00017			
RB_PLT_O_DL_STLT	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000			
RB_PLT_O_DL_SUB	1.00000	0.64004	0.05986	0.00024	0.19195	0.09562	0.00615	0.00003	0.00419	0.00133	0.00059			
RB_PLT_O_DL_UGL	1.00000	0.78107	0.09125	0.00241	0.10375	0.01485	0.00274	0.00031	0.00212	0.00127	0.00023			
RB_PLT_O_GN	1.00000	0.61448	0.07413	0.00169	0.16874	0.08505	0.00180	0.00019	0.02750	0.02632	0.00010			
RB_PLT_O_PR	1.00000	0.49599	0.06105	0.00050	0.28181	0.15986	0.00071	0.00007	0.00000	0.00000	0.00000			
RB_PLT_O_TR	1.00000	0.49203	0.06057	0.00050	0.27956	0.16657	0.00070	0.00007	0.00000	0.00000	0.00000			
TDPLT	1.00000	0.64232	0.07602	0.00180	0.13689	0.05486	0.00234	0.00019	0.04504	0.04040	0.00014			
WKT65	1.00000	0.45574	0.06957	0.00101	0.26565	0.14997	0.00266	0.00005	0.05597	-0.00073	0.00011			



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
TOTAL ADJUSTED REVENUE	3,925,169,927	2,030,272,969	243,851,303	4,181,542	983,250,726	548,553,913	5,906,590	552,856	69,276,903	39,082,729	240,396	
OPERATING EXPENSES:												
ADU O&M EXPENSE	1,864,253,310	924,199,953	110,975,457	2,183,900	500,386,383	294,015,891	2,405,075	299,125	16,406,338	13,293,168	88,020	
ADU DEPRECIATION EXPENSE	701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068	
ADU OTHER AMORTIZATIONS	263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	14,184	
ADU OTHER TAXES	103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952	
ADU NET CURR & DEF STATE & FED INC TAXES	174,168,974	90,622,296	11,711,008	119,177	44,260,275	17,528,744	394,257	15,882	7,279,680	2,220,837	16,819	
ADU INVESTMENT TAX CREDITS	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)	
TOTAL ADU OPER EXPENSE	3,104,667,021	1,595,701,982	189,152,312	3,517,649	783,555,507	460,451,763	4,223,957	469,870	39,441,808	27,984,226	167,947	
RETURN BEFORE ADJUSTMENTS	820,502,905	434,570,987	54,698,991	663,893	199,695,218	88,102,150	1,682,633	82,986	29,835,095	11,098,503	72,449	
INTEREST ON CUST DEPOSITS - INPUT	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)	
INCOME FOR RETURN WITH CUSTOMER GROWTH	812,531,916	427,779,310	53,793,074	629,872	199,476,026	88,100,571	1,677,817	78,571	29,835,095	11,089,572	72,007	
INCOME FOR RETURN WITH CUSTOMER GROWTH	812,531,916	427,779,310	53,793,074	629,872	199,476,026	88,100,571	1,677,817	78,571	29,835,095	11,089,572	72,007	
YEAR END RATE BASE:												
ADU PLANT IN SERVICE	19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284	
ADU DEPRECIATION RESERVE	(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,636,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)	
ADU NET PLANT IN SERV	10,953,773,177	6,260,650,199	710,375,683	13,215,772	2,217,201,831	1,272,677,355	16,690,331	1,558,163	248,979,603	211,617,652	806,587	
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0	
ADU NUCLEAR FUEL INVENTORY	203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284	
ADU ACCUM DEFERRED INC TAX	(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)	
TOTAL OPERATING RESERVES	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	
ADU MATERIALS & SUPPLIES	600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598	
ADU WORK CAPITAL, REG ASSETS	587,307,972	357,160,861	44,917,459	1,300,422	119,963,389	84,816,690	933,509	187,691	(11,542,865)	(10,503,037)	73,853	
ADJUSTED RATE BASE	10,782,256,357	6,132,825,231	688,644,074	12,832,533	2,221,505,484	1,299,562,163	16,411,262	1,557,734	221,125,954	186,989,918	802,006	
STATE OF RETURN (ROR)	7.54%	6.98%	7.81%	4.91%	8.98%	6.78%	10.22%	5.04%	13.49%	5.93%	8.98%	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - PER BOOKS		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
BOOK REVENUES		3,657,316,072	1,848,941,204	241,711,782	4,363,155	910,424,240	554,174,209	5,293,666	513,298	64,739,790	26,948,443	206,286	
OPERATING EXPENSES:													
BOOK O&M EXPENSE		2,086,831,807	1,037,542,516	129,746,678	2,673,041	526,544,051	355,621,607	2,472,964	356,518	17,871,168	13,909,219	94,045	
BOOK DEPRECIATION EXPENSE		532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486	
BOOK OTHER AMORTIZATIONS		132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153	
BOOK OTHER TAXES		101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400	
BOOK STATE INCOME TAX		(2,970,862)	(1,331,727)	(235,491)	(2,139)	(873,494)	(383,385)	(7,136)	(22)	(145,142)	7,913	(240)	
BOOK FEDERAL INCOME TAX		(50,006,022)	(22,415,844)	(3,963,824)	(36,008)	(14,702,792)	(6,453,189)	(120,111)	(367)	(2,443,046)	133,200	(4,041)	
BOOK INVESTMENT TAX CREDITS		(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(256)	(28,423)	(22,215)	(96)	
BOOK DEFERRED INCOME TAXES		168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,794,095	404,531	1,234	8,228,087	(448,613)	13,611	
TOTAL OPER EXPENSE - PB		2,967,194,543	1,515,153,283	190,284,455	3,774,847	725,503,190	466,498,993	3,837,046	480,555	36,983,473	24,525,384	153,317	
RETURN BEFORE ADJUSTMENTS		690,121,529	333,787,920	51,427,328	588,308	184,921,049	87,675,216	1,456,619	32,743	27,756,316	2,423,059	52,969	
INTEREST ON CUST DEPOSITS - INPUT		(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)	
INCOME FOR RETURN		682,150,539	326,996,244	50,521,411	554,287	184,701,857	87,673,637	1,451,803	28,329	27,756,316	2,414,128	52,527	
YEAR END RATE BASE:													
BOOK PLANT IN SERVICE		18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762	
BOOK DEPRECIATION RESERVE		(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)	
BOOK NET PLANT IN SERVICE		10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528	
PLANT HELD FOR FUTURE USE		0	0	0	0	0	0	0	0	0	0	0	
BOOK NUCLEAR FUEL INVENTORY		230,252,332	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	
BOOK ACCUM DEFERRED INC TAX		(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)	
BOOK OPERATING RESERVES		(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	
BOOK MATERIALS & SUPPLIES		750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059	
BOOK WORKING CAPITAL, REG ASSETS		(376,636,334)	(228,418,070)	(73,511,673)	(2,697,457)	(16,682,345)	(20,680,928)	(548,628)	(263,046)	(20,383,952)	(13,396,110)	(54,122)	
BOOK RATE BASE		9,782,137,480	5,418,147,922	616,932,820	10,949,725	2,130,406,645	1,244,828,551	14,099,172	1,327,831	188,299,097	156,516,115	629,602	
RATE OF RETURN		6.97%	6.04%	8.19%	5.06%	8.67%	7.04%	10.30%	2.13%	14.74%	1.54%	8.34%	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - REVENUES	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
SALES OF ELECTRICITY:											
RETAIL SALES OF ELECTRICITY	3,563,165,280	1,820,227,876	226,009,560	3,781,169	886,079,172	532,588,876	5,200,515	454,335	62,444,191	26,178,894	200,691
REV - REPS	24,719,022	8,278,986	11,293,212	459,221	3,377,339	109,249	35,883	44,178	1,021,561	95,302	4,090
REV UNBILLED REVENUES	(12,096,317)	(10,422,074)	(118,784)	(1,947)	(632,887)	(613,073)	(2,798)	(3,715)	(116,405)	(184,529)	(103)
REV - SALES FOR RESALE D/A	0	0	0	0	0	0	0	0	0	0	0
REV - SALES FOR RESALE CREDIT - TRANSMISSION	44,493	25,292	2,680	23	10,790	5,681	25	3	0	0	0
REV - SALES FOR RESALE CREDIT - ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793
REV - SALES FOR RESALE CREDIT - DEMAND	4,765,270	2,353,310	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	76
REV - PROV FOR RATE REFUND	(98,495,765)	(55,527,239)	(6,289,273)	(113,560)	(20,580,674)	(12,046,317)	(143,475)	(13,596)	(2,051,303)	(1,723,650)	(6,680)
REV - PROV FOR RATE REFUND - JAAR	(6,050,000)	(2,987,769)	(332,483)	(4,107)	(1,622,565)	(1,066,876)	(5,211)	(612)	(22,980)	(7,303)	(97)
TOTAL SALES OF ELECTRICITY	3,606,104,570	1,818,153,494	237,406,282	4,230,651	905,547,331	547,986,518	5,233,638	497,111	62,196,267	24,651,487	201,771
OTHER REVENUES:											
REV - FORFEITED DISCOUNTS (450) AS INPUT	7,663,772	6,529,912	871,001	32,710	210,744	1,518	4,631	4,244	0	8,587	424
REV - MISC SERVICE REVENUES (451)	5,505,700	4,691,128	625,732	23,499	151,400	1,091	3,327	3,049	0	6,169	305
REV - RENT (454) - DIST PLT REL	4,465,630	3,050,606	358,230	9,613	438,324	109,550	12,410	977	255,741	229,381	798
REV - RENT (454) - DIST POLE RENTAL REV	10,901,069	8,679,686	1,079,012	34,313	807,244	133,549	23,738	4,465	12,922	123,870	2,271
REV - RENT (454) - TRANS PLT REL	376,359	213,942	22,666	191	91,268	48,054	210	28	0	0	0
REV - RENT (454) - ADD FAC - WHLS	0	0	0	0	0	0	0	0	0	0	0
REV - RENT (454) - ADD FAC - RET x LIGHTING	4,617,085	18	40,902	0	227,143	4,349,022	0	0	0	0	0
REV - RENT (454) - ADD FAC - LIGHTING	3,848,777	0	0	0	0	0	0	0	2,063,915	1,784,862	0
REV - RENT (454) - OTHER	3,385,429	1,908,544	216,171	3,903	707,385	414,048	4,931	467	70,506	59,244	230
REV - OTHER ELEC REV (456) - PROD PLT REL	1,171,268	578,426	64,368	795	314,125	206,545	1,009	118	4,449	1,414	19
REV - OTHER ELEC REV (456) - TRANS REL	6,121,684	3,479,890	368,672	3,113	1,484,515	781,631	3,419	455	0	0	0
REV - OTHER ELEC REV (456) - WH D/A	0	0	0	0	0	0	0	0	0	0	0
REV - OTHER ELEC REV (456) - OTHER	365,348	205,966	23,329	421	76,339	44,683	532	50	7,609	6,393	25
REV - OTHER ELEC REV (456) - REPS	1,114,245	373,187	509,058	20,700	152,238	4,925	1,617	1,991	46,048	4,296	184
REV - OTHER ELEC REV (456) - DIS PLT REL	1,404,491	959,450	112,667	3,024	137,858	34,455	3,903	307	80,433	72,143	251
REV - OTHER NC RETAIL SPECIFIC	270,645	116,965	13,692	222	78,327	58,620	301	33	1,879	597	8
TOTAL OTHER REVENUES	51,211,501	30,787,710	4,305,500	132,504	4,876,909	6,187,691	60,027	16,187	2,543,503	2,296,956	4,515
BOOK REVENUES											
Functionalized Book Revenues	3,657,316,072	1,848,941,204	241,711,782	4,363,155	910,424,240	554,174,209	5,293,666	513,298	64,739,790	26,948,443	206,286
	3,471,242,220	1,759,569,780	230,562,233	4,120,777	866,620,385	518,971,860	5,084,915	480,591	61,275,065	24,358,713	197,901
REVENUE ADJUSTMENTS:											
RETAIL SALES OF ELECTRICITY ADJ TO EXC DSM & REPS	(330,305,859)	(151,723,051)	(13,923,774)	(223,294)	(75,893,031)	(88,095,312)	(475,797)	(16,660)	(34,370)	77,661	1,770
REV - REMOVE RATE REFUND	98,495,765	55,527,239	6,289,273	113,560	20,580,674	12,046,317	143,475	13,596	2,051,303	1,723,650	6,680
REV - REMOVE RATE REFUND JAAR	6,050,000	2,987,769	332,483	4,107	1,622,565	1,066,876	5,211	612	22,980	7,303	97
Total ADJUSTMENT TO ANNUALIZE REVENUE	(225,760,094)	(93,208,043)	(7,302,019)	(105,628)	(53,689,793)	(74,982,119)	(327,111)	(2,453)	2,039,913	1,808,613	8,546

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	COS DETAIL - REVENUES										
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJREV WEATHER NORMALIZATION	(77,391,796)	(54,669,922)	(20,269,274)	(340,030)	(1,474,692)	(637,878)	0	0	0	0	0
ADJREV CUSTOMER GROWTH	5,182,122	(8,344,462)	1,113,309	43,283	10,097,067	2,061,586	374,132	5,324	0	(171,255)	3,137
ADJREV UNBILLED REVENUES	12,096,317	10,422,074	118,784	1,947	632,887	613,073	2,798	3,715	116,405	184,529	103
ADJREV COAL INVENTORY RIDER REV	(270,645)	(116,965)	(13,692)	(222)	(78,327)	(58,620)	(301)	(33)	(1,879)	(597)	(8)
REV - REPS ADJUSTMENT	(25,833,267)	(8,652,173)	(11,802,270)	(479,921)	(3,529,577)	(114,174)	(37,501)	(46,170)	(1,067,609)	(99,597)	(4,275)
RETAIL ADJ TO EXC JAAR: PROD DEM REL REV	(1,974,716)	(975,206)	(108,522)	(1,340)	(529,604)	(348,228)	(1,701)	(200)	(7,501)	(2,384)	(32)
Incr/(Decr) to REV - MISC SERVICE REVENUES (451)	(3,145,681)	(2,680,276)	(357,512)	(13,426)	(86,502)	(623)	(1,901)	(1,742)	(0)	(3,525)	(174)
Incr/(Decr) to REV - RENT (454) - ADD FAC	(1,010,139)	(690,056)	(81,033)	(2,175)	(99,150)	(24,781)	(2,807)	(221)	(57,849)	(51,887)	(181)
Incr/(Decr) to REV - OTHER ELEC REV (456) - OTHER	432	243	28	0	90	53	1	0	9	8	0
Total ADJUSTMENT TO MISC REVENUE	(4,155,389)	(3,370,089)	(438,517)	(15,600)	(185,562)	(25,351)	(4,707)	(1,963)	(57,840)	(55,404)	(355)
RETAIL SALES OF ELECTRICITY PROPOSED ADJ	585,961,324	340,246,552	40,841,723	715,898	121,584,086	67,871,414	607,315	81,338	3,515,625	10,470,381	26,992
TOTAL REVENUE ADJUSTMENTS	267,853,855	181,331,765	2,139,520	(181,613)	72,826,486	(5,620,296)	612,924	39,558	4,537,113	12,134,287	34,111
TOTAL ADJUSTED REVENUE	3,925,169,927	2,030,272,969	243,851,303	4,181,542	983,250,726	548,553,913	5,906,590	552,856	69,276,903	39,082,729	240,396
Functionalized Adjusted Revenues	3,739,096,075	1,940,901,545	232,701,753	3,939,164	939,446,871	513,351,563	5,697,838	520,149	65,812,178	36,493,000	232,012

DUKE ENERGY PROGRESS, LLC

Item No. 45C COS "Proforma Adjusted"

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM											
COS DETAIL - OPER. EXPENSE											
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PRODUCTION O&M EXPENSE:											
FUEL											
OM PROD ENERGY - FUEL	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176
OM NC REPS RECS EXPENSE	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065
TOTAL FUEL	881,642,228	379,220,044	52,128,033	1,051,679	252,323,832	187,028,873	986,520	139,523	6,759,204	1,976,281	28,241
PURCHASE POWER											
OM PROD PURCHASES - CAPACITY COST	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062
OM PROD PURCHASES - ENERGY COST	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658
OM DEFERRED FUEL EXPENSE	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,966)	(33,663)	(1,895,961)	(602,554)	(8,035)
TOTAL PURCHASES & DEF. FUEL	158,031,935	72,780,206	8,329,683	120,888	44,446,995	30,995,464	158,588	18,115	894,144	284,168	3,684
TOTAL FUEL, DEF. FUEL & PURCH POWER	1,039,674,164	452,000,250	60,457,716	1,172,566	296,770,826	218,024,337	1,145,108	157,639	7,653,349	2,260,449	31,925
DEMAND RELATED:											
OM PROD FIXED O&M	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055
TOTAL PRODUCTION O&M-DEMAND	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055
ENERGY RELATED:											
OM PROD VARIABLE O&M	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138
OM PROD VARIABLE O&M-DEPR REL	0	0	0	0	0	0	0	0	0	0	0
OM OTHER EXPENSES - DSM REL	67,881,412	42,386,568	4,997,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452
TOTAL PRODUCTION O&M-ENERGY	346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590
TOTAL PRODUCTION O&M	1,578,063,400	709,538,263	90,034,362	1,612,115	448,056,745	313,258,986	1,723,769	223,569	10,427,751	3,144,269	43,570
TRANSMISSION O&M EXPENSE:											
OM TRANSMISSION EXP - TRANS	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0
OM TRANS EXP - OTH PROD RELATED	0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION O&M	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	28
DISTRIBUTION O&M EXPENSE:											
OM OVERHEAD LINES											
OM UNDERGROUND LINES	110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014
OM LINE TRANSFORMERS	11,787,240	9,206,643	1,075,590	28,394	1,222,905	175,042	32,282	3,709	24,988	15,026	2,662
OM METER EXPENSE	996,698	730,965	79,506	1,551	145,374	30,295	4,517	204	2,975	1,309	2
OM STREET LIGHTS	6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304
OM DISTRIBUTION RENTS	7,164,040	0	0	0	0	0	0	0	0	0	0
OM LOAD DISPATCH	2,088,877	1,679,564	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359
OM DISTRIBUTION EXP - MISC & SUPERVISION	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414
OM CUSTOMER INSTALLATIONS	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049
OM SUBSTATIONS	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0
OM DISTRIBUTION EXP - DSM/EE	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968
TOTAL DISTRIBUTION O&M	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21
	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792



DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Item No. 45C COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL		RES		SGS		SGSCLR		MGS		LGS		SI		TSS		ALS		SLS		SFL	
<b>CUST. ACCOUNTING EXPENSE:</b>																						
OM METER READING	4,934,790		4,210,018		561,559		21,089		136,367		2,137		2,986		361		0		0		274	
OM CUST ACCT EXP - MISC	1,050,615		895,176		119,404		4,484		28,891		208		635		582		0		1,177		58	
OM UNCOLLECTIBLES	8,937,301		7,615,021		1,015,740		38,145		245,765		1,771		5,400		4,950		0		10,014		495	
OM CUSTOMER RECORDS, EXCL REPS	34,697,611		29,564,077		3,943,444		148,093		954,141		6,874		20,966		19,217		0		38,877		1,922	
TOTAL CUST ACCT EXPENSE	49,620,316		42,284,292		5,640,147		211,811		1,365,163		10,989		29,987		25,110		0		50,068		2,749	
<b>CUST. SERV &amp; INFO EXPENSE:</b>																						
OM CUST SERV & INFO - CUST ASSIST	3,202,203		2,728,435		363,936		13,667		88,057		634		1,935		1,774		0		3,588		177	
TOTAL CUST SERV & INFO EXP	3,202,203		2,728,435		363,936		13,667		88,057		634		1,935		1,774		0		3,588		177	
<b>SALES EXPENSE:</b>																						
OM SALES EXPENSE - DEMO & SELLING	6,824,779		5,815,048		775,648		29,129		187,673		1,352		4,124		3,780		0		7,647		378	
OM SALES EXPENSE - DSM/EE	1,385		865		101		2		391		21		2		0		2		1		0	
TOTAL SALES EXPENSE	6,826,163		5,815,913		775,749		29,130		188,064		1,373		4,126		3,780		2		7,648		378	
<b>ADMIN &amp; GENERAL EXPENSE:</b>																						
<b>A&amp;G REGULATORY EXPENSE:</b>																						
OM REGULATORY EXPENSE-NCUC COAL ASH FEE	0		0		0		0		0		0		0		0		0		0		0	
OM REGULATORY FEE - NCRETAIL	5,900,866		3,236,692		380,467		7,946		1,321,351		863,077		7,110		1,060		31,443		51,380		340	
OM REGULATORY EXPENSE-SCRETAIL	0		0		0		0		0		0		0		0		0		0		0	
OM REGULATORY EXPENSE-TRANS	1,121,111		637,297		67,518		570		271,870		143,146		626		83		0		0		0	
TOTAL ADM & GEN REG EXPENSE	7,021,977		3,873,989		447,985		8,516		1,593,222		1,006,223		7,736		1,143		31,443		51,380		340	
<b>OTHER A&amp;G EXPENSE:</b>																						
OM A&G LABOR RELATED & MISC	236,765,487		129,868,549		15,265,814		318,826		53,017,700		34,629,961		285,283		42,515		1,261,633		2,061,577		13,629	
OM A&G LABOR RELATED - DSM/EE	1,086,405		678,374		79,019		1,294		306,971		16,545		1,657		195		1,753		591		7	
OM A&G LABOR RELATED - DERP	0		0		0		0		0		0		0		0		0		0		0	
OM A&G ALL PLANT RELATED	4,539,863		2,569,279		291,546		5,365		937,699		544,965		6,803		638		99,466		83,780		323	
OM A&G GENERAL PLT RELATED	497,774		310,370		36,330		858		80,150		41,680		901		99		14,078		13,256		52	
TOTAL ADM & GEN PLT EXPENSE	242,889,529		133,426,571		15,672,709		326,343		54,342,521		35,233,150		294,644		43,447		1,376,930		2,159,204		14,011	
TOTAL ADMIN AND GEN EXPENSE	249,911,506		137,300,560		16,120,694		334,859		55,935,742		36,239,373		302,380		44,590		1,408,374		2,210,584		14,351	
BOOK O&M EXPENSE	2,086,831,807		1,037,542,516		129,746,678		2,673,041		526,544,051		355,621,607		2,472,964		356,518		17,871,168		13,909,219		94,045	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
O&M ADJUSTMENTS:												
FUEL ADJUSTMENTS												
ADJOM FUEL CLAUSE - FUEL REL												
ADJOM FUEL CLAUSE - REM ENERGY												
ADJOM DEFERRED FUEL												
TOTAL FUEL ADJUSTMENTS												
PURCHASED POWER ADJUSTMENTS												
ADJOM PUR CAP COST ADJ												
TOTAL PURCHASE POWER ADJUSTMENTS												
OTHER O&M ADJUSTMENTS												
ADJOM CLAUSE ADJ NCUC FEE												
ADJOM WEATHER REL FUEL												
ADJOM WEATHER REL NC REG FEE												
ADJOM FUEL - CUSTOMER GROWTH												
ADJOM NCUC FEE - CUSTOMER GROWTH												
ADJOM REMOVE REPS												
ADJOM REMOVE DSM												
ADJOM REMOVE DSM - PLANT RELATED												
Total DSM ADJUSTMENT TO O&M												
ADJOM JAAR PROD DEMAND REL												
ADJOM JAAR A&G REL												
Total JAAR ADJUSTMENT TO O&M												
ADJOM EXECUTIVE COMPENSATION												
ADJOM NON LABOR, NON FUEL INFLATION												
ADJOM YEAR END PAYROLL												
ADJOM PENSION EXPENSE												
ADJOM NUCLEAR LEVELIZATION												
ADJOM RATE CASE EXPENSE												
ADJOM AVIATION												
ADJOM ANNUALIZE NC REGULATORY EXPENSE												
ADJOM EXPIRING O&M AMORT-ENERGY REL												
ADJOM EXPIRING O&M AMORT-PROD DEM REL												
ADJOM EXPIRING O&M AMORT-LABOR REL												
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS												

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C, "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM											
COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJOM MERGER RELATED- LAB RELATED	(3,686,172)	(2,021,907)	(237,672)	(4,964)	(825,426)	(539,149)	(4,442)	(662)	(19,642)	(32,096)	(212)
ADJOM MERGER RELATED- CUST RELATED	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)
ADJOM SEVERANCE EXP	(23,254,446)	(12,755,327)	(1,499,366)	(31,314)	(5,207,251)	(3,401,258)	(28,020)	(4,176)	(123,914)	(202,482)	(1,339)
ADJOM CREDIT CARD FEES	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288
ADJOM VEG MANAGEMENT DISTRIBUTION	4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847
ADJOM VEG MANAGEMENT TRANSMISSION	820,206	466,247	49,396	417	198,901	104,726	458	61	0	0	0
ADJOM NCUC FEE - MISC REVENUE PLANT REL	(1,309)	(738)	(84)	(2)	(274)	(160)	(2)	(0)	(27)	(23)	(0)
ADJOM NCUC FEE - MISC REVENUE CUST REL	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(5)	(0)
Total MISC. REVENUE ADJ TO O&M	(5,389)	(4,214)	(547)	(19)	(386)	(161)	(4)	(2)	(27)	(27)	(0)
ADJOM NCUC FEE	(233,877)	(128,284)	(15,080)	(315)	(52,371)	(34,208)	(282)	(42)	(1,246)	(2,036)	(13)
ADJOM PLANT RETIREMENT - DEM	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(5,600)	(11,780)	(24)
ADJOM PLANT RETIREMENT - ENERGY	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)
ADJOM ONGOING EXP - ENERGY REL	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144
ADJOM ASHEVILLE CC DEFERRAL	6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97
ADJOM UNCOLLECTIBLES	2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100
TOTAL OTHER O&M ADJUSTMENTS	(208,060,473)	(115,525,322)	(23,812,769)	(571,238)	(46,854,375)	(19,156,835)	(151,837)	(55,241)	(1,348,338)	(578,689)	(5,828)
TOTAL O&M ADJUSTMENTS	(222,578,496)	(113,342,563)	(18,771,221)	(489,141)	(26,157,667)	(61,605,717)	(67,889)	(57,393)	(1,464,830)	(616,052)	(6,024)
ADJ O&M EXPENSE	1,864,253,310	924,199,953	110,975,457	2,183,900	500,386,383	294,015,891	2,405,075	299,125	16,406,338	13,293,168	88,020

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:											
PRODUCTION FUNCTION:											
DPE PRODUCTION RELATED	307,399,059	151,807,823	16,893,361	208,651	82,442,118	54,207,717	264,750	31,076	1,167,588	371,071	4,904
DPE EXT. DECOM. TRUST-PROD	17,337,167	8,561,892	962,778	11,768	4,649,698	3,057,291	14,932	1,753	65,851	20,928	277
DPE CONTRA AFUDC NC RET-PROD	(6,208,430)	(3,066,009)	(341,189)	(4,214)	(1,665,054)	(1,094,814)	(5,347)	(628)	(23,581)	(7,494)	(99)
DPE CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPE CONTRA AFUDC WHSL - PROD	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-NCR	(4,992,690)	(2,435,990)	(271,080)	(3,348)	(1,322,910)	(869,846)	(4,248)	(499)	(18,736)	(5,954)	(79)
DPE HARRIS PLANT DISALLOW-SCR	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PL.T. DISALLOW-NCR	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PL.T. DISALLOW-NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPE OTHER NC RETAIL SPECIFIC EXPENSE	(12,665,516)	(6,249,877)	(695,494)	(8,590)	(3,394,114)	(2,231,713)	(10,900)	(1,279)	(48,069)	(15,277)	(202)
DPE OTHER SC RETAIL SPECIFIC EXPENSE	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD.- SC	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - WHSLE	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD.- NCEMPA	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION PLT DEPR.	300,939,591	148,617,840	16,538,376	204,267	80,709,737	53,068,634	259,186	30,423	1,143,054	363,273	4,801
DPE TRANS RELATED - PROD	2,112,112	1,043,058	116,073	1,434	566,453	372,456	1,819	214	8,022	2,550	34
DPE TRANS RELATED - TRANS	26,273,453	14,935,182	1,582,290	13,360	6,371,340	3,354,657	14,672	1,952	0	0	0
DPE TRANS RELATED - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - NC RETAIL	425	242	26	0	103	54	0	0	0	0	0
DPE DISTRIBUTION PLANT	151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124
DPE DISTRIBUTION DEPRN - SCR	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM	1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179
DPE DISTRIBUTION DEPRN - SC STORM	0	0	0	0	0	0	0	0	0	0	0
DPE GENERAL PLANT	22,262,666	13,881,107	1,624,838	38,384	3,584,674	1,864,111	40,312	4,431	629,611	592,866	2,331
DPE GENERAL PLANT - SCR	0	0	0	0	0	0	0	0	0	0	0
DPE AMORT LTD TERM PLT	28,366,867	16,053,871	1,821,697	33,521	5,859,115	3,405,157	42,506	3,985	621,504	523,493	2,017
BOOK DEPRECIATION EXPENSE	532,736,339	299,026,874	33,969,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486
DEPRECIATION EXPENSE ADJUSTMENTS:											
ADUDPE FUEL - CATALYST REL	(1,665,775)	(822,636)	(91,544)	(1,131)	(446,748)	(293,748)	(1,435)	(168)	(6,327)	(2,011)	(27)
ADUDPE REMOVE DSDR-TRANS	(6,871)	(3,906)	(414)	(3)	(1,666)	(877)	(4)	(1)	0	0	0
ADUDPE REMOVE DSDR-DIST	(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)
ADUDPE REMOVE DSDR-GEN	(630,512)	(393,133)	(46,018)	(1,087)	(101,523)	(52,794)	(1,142)	(125)	(117,832)	(16,791)	(66)
ADUDPE REMOVE DSDR-INT	(780,381)	(441,647)	(50,115)	(922)	(161,186)	(93,677)	(1,169)	(110)	(17,098)	(14,401)	(55)
Total DSDR ADJUSTMENT TO DEPRECIATION	(5,170,537)	(3,402,318)	(397,592)	(10,092)	(632,729)	(239,411)	(12,744)	(1,057)	(249,846)	(223,957)	(792)
ADUDPE REMOVE JAAR	(30,721,748)	(15,171,815)	(1,688,338)	(20,853)	(8,239,342)	(5,417,570)	(26,459)	(3,106)	(116,690)	(37,085)	(490)
ADUDPE YE DEPR EXP-PROD	39,642,153	19,577,122	2,178,566	26,908	10,631,728	6,990,622	34,142	4,008	150,572	47,853	632
ADUDPE YE DEPR EXP-TRANS	1,536,807	873,600	92,553	781	372,677	196,223	858	114	0	0	0
ADUDPE YE DEPR EXP-DIST	(3,441,320)	(2,350,869)	(276,061)	(7,408)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)
ADUDPE YE DEPR EXP-GEN	3,859,818	2,406,654	281,708	6,655	621,497	323,193	6,989	768	109,160	102,789	404
Total YE ADJUSTMENT TO DEPRECIATION	41,587,458	20,506,508	2,276,766	26,936	11,288,120	7,425,616	32,426	4,137	62,652	(26,124)	421

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM													
COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADJDPE ADDITIONS TO EPIS - PROD		39,915,034	19,711,884	2,193,563	27,093	10,704,912	7,038,743	34,377	4,035	151,609	48,183	637	
ADJDPE ADDITIONS TO EPIS - TRANS		3,712,368	2,110,295	223,573	1,888	900,251	474,003	2,073	276	0	0	0	
ADJDPE ADDITIONS TO EPIS - DIST		17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196	
ADJDPE ADDITIONS TO EPIS - GEN		3,377,323	2,105,812	246,494	5,823	543,807	282,792	6,115	672	95,514	89,940	354	
ADJDPE ADDITIONS TO EPIS - INT		5,042,452	2,853,712	323,822	5,959	1,041,508	605,296	7,556	708	110,478	93,055	358	
Total ADDITIONS ADJUSTMENT TO DEPRECIATION		69,927,132	38,996,043	4,421,772	79,253	14,945,485	8,839,463	99,808	9,603	1,381,562	1,149,598	4,545	
ADJDPE NEW RATES - PROD		77,599,152	38,322,038	4,264,523	52,671	20,811,510	13,684,079	66,833	7,845	294,743	93,672	1,238	
ADJDPE NEW RATES - TRANS		5,010,270	2,848,095	301,738	2,548	1,214,996	639,723	2,798	372	0	0	0	
ADJDPE NEW RATES - DIST		(3,696,268)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)	
ADJDPE NEW RATES - GEN		9,728,952	6,066,148	710,066	16,774	1,566,529	814,630	17,617	1,936	275,145	259,087	1,019	
Total ADJUSTMENT FOR NEW DEPR. RATES		88,642,105	44,711,249	4,979,815	64,036	23,230,227	15,047,756	76,976	9,345	358,208	162,897	1,596	
ADJDPE REMOVE EXPIRING DEPR AMORT-PROD		(186,678)	(92,190)	(10,259)	(127)	(50,066)	(32,919)	(161)	(19)	(709)	(225)	(3)	
ADJDPE ANNUALIZE DEPR AMORT-GEN		2,639,201	1,645,582	192,622	4,550	424,957	220,987	4,779	525	74,639	70,283	276	
ADJDPE DECOMMISSIONING EXP		3,626,511	1,790,938	199,298	2,462	972,603	639,510	3,123	367	13,775	4,378	58	
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS		6,079,034	3,344,330	381,661	6,885	1,347,494	827,578	7,742	873	87,705	74,436	331	
ADJDPE MERGER IMPACTS - TRANS		(169,616)	(96,419)	(10,215)	(86)	(41,132)	(21,657)	(95)	(13)	0	0	0	
ADJDPE PLANT RETIREMENT - PROD		(178,641)	(88,221)	(9,817)	(121)	(47,910)	(31,502)	(154)	(18)	(679)	(216)	(3)	
TOTAL DEPR EXP ADJUSTMENTS		168,339,412	87,976,720	9,882,507	144,828	41,403,465	26,136,524	176,066	19,596	1,516,586	1,097,538	5,582	
ADJ DEPRECIATION EXPENSE		701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068	



DUKE ENERGY PROGRESS, LLC  
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TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER AMORTIZATION EXPENSE:												
AMORT WHS SPEC - MAYO, RECS	0	0	0	0	0	0	0	0	0	0	0	0
AMORT NUCLEAR DESIGN BASIS	438,976	216,786	24,124	298	117,730	77,410	378	44	1,667	530	7	7
AMORT NCEMPA ACQ ADJ	7,764,854	3,834,643	426,724	5,270	2,082,475	1,369,279	6,688	785	29,493	9,373	124	124
AMORT DSM/E DEBIT	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	198,443	66,851	9,373	819
AMORT DSM/E CREDIT	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(34,358)	(11,575)	(142)	(142)
AMORT DSM/E O&M DEFERRAL	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,684)	(39,645)	(39,645)	(486)
AMORT DSM/E CAPITAL DEFERRAL	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(5,320)	(65)
AMORT NC REPS DEBIT	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(65,069)	(2,793)
AMORT NC REPS DEFERRAL	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,696	90,183	90,183	3,870
AMORT SC DERP AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT SC POLLUTION CNTL DPE DEF	0	0	0	0	0	0	0	0	0	0	0	0
AMORT RETIRED PLANT	17,546,379	8,665,211	964,275	11,910	4,705,807	3,094,184	15,112	1,774	66,646	21,181	21,181	280
AMORT OTHER NC RETAIL PROD REL	14,076,338	6,951,544	773,576	9,555	3,775,168	2,482,266	12,123	1,423	53,466	16,992	16,992	225
AMORT SC DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT WHL DEFERRED ASH AMORTIZATION	0	0	0	0	0	0	0	0	0	0	0	0
AMORT NC STORM DEFERRAL	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	27,670	3,950
AMORT NC EDIT	(3,272,588)	(1,844,930)	(208,965)	(3,773)	(683,807)	(400,247)	(4,767)	(452)	(68,156)	(57,269)	(57,269)	(222)
AMORT RETIRED METERS	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	0	132
AMORT COR	575,758	284,336	31,641	391	154,414	101,531	496	58	2,187	695	695	9
AMORT NC RETAIL CONTINUING	1,994,356	1,124,323	127,346	2,299	416,720	243,915	2,905	275	41,535	34,901	34,901	135
AMORT OTHER NC RETAIL SPECIFIC	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	99,235	1,312
AMORT OTHER SC RETAIL SPECIFIC	0	0	0	0	0	0	0	0	0	0	0	0
AMORT DISP. OF ALLOWANCES	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(223)	(3)
BOOK OTHER AMORTIZATIONS												
ADJAM REMOVE DSM	(18,966,211)	(11,842,897)	(1,379,490)	(22,586)	(5,359,037)	(288,830)	(28,926)	(3,400)	(30,607)	(10,311)	(10,311)	(126)
ADJAM REMOVE REPS	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(25,114)	(1,078)
ADJAM REMOVE NC EDIT IMPACT	3,272,588	1,844,930	208,965	3,773	683,807	400,247	4,767	452	68,156	57,269	57,269	222
AMORT NC DEFERRED ASH AMORTIZATION	105,900,204	45,767,124	5,357,597	86,817	30,648,274	22,937,385	117,742	13,057	735,402	233,718	233,718	3,089
ADJAM AMORT ANNUALIZATION - PROD	1,282,641	633,427	70,489	871	343,995	226,185	1,105	130	4,872	1,548	1,548	20
ADJAM AMORT ANNUALIZATION - ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	8,589	114
ADJAM AMORT ANNUALIZATION - STORMS	(12,758,001)	(10,258,210)	(1,271,288)	(39,954)	(951,474)	(172,958)	(25,232)	(5,200)	(16,116)	(15,372)	(15,372)	(2,195)
ADJAM AMORT ANNUALIZATION - PLANT	(1,994,356)	(1,124,323)	(127,346)	(2,299)	(416,720)	(243,915)	(2,905)	(2,905)	(41,535)	(34,901)	(34,901)	(135)
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS												
	(9,577,855)	(9,067,152)	(1,131,252)	(38,193)	102,132	652,266	(22,706)	(4,866)	(25,753)	(40,136)	(40,136)	(2,196)
ADJAM EOL NUCLEAR FUEL												
	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(2,873)	(38)
ADJAM EOL NUCLEAR SUPPLIES												
	1,041,461	514,321	57,234	707	279,312	183,654	897	105	3,956	1,257	1,257	17
ADJAM STORM DEFERRAL AMORT - DISTR												
	40,252,964	32,365,836	4,011,060	126,061	3,002,011	545,703	79,611	16,408	50,849	48,501	48,501	6,924
ADJAM STORM DEFERRAL AMORT - TRANS												
	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0	4
ADJAM STORM DEFERRAL AMORT - PROD												
	226,341	111,777	12,439	154	60,703	39,914	195	23	860	273	273	4
ADJAM AMORT ASHEVILLE CC												
	13,432,203	6,633,441	738,177	9,117	3,602,416	2,368,677	11,569	1,358	51,019	16,214	16,214	214
TOTAL OTHER AMORT ADJUSTMENTS												
	130,956,823	65,396,984	5,025,000	45,390	32,526,681	26,935,705	154,027	11,571	575,633	278,799	278,799	7,032
ADJ OTHER AMORTIZATIONS												
	263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	467,309	14,184

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER TAXES											
OT LABOR RELATED	25,940,319	14,228,559	1,672,541	34,931	5,808,685	3,794,101	31,256	4,658	138,226	225,869	1,493
OT LABOR RELATED - DSM/EE	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1
OT LABOR RELATED - DERP	0	0	0	0	0	0	0	0	0	0	0
OT PROPERTY TAX - PROD	39,448,219	19,481,349	2,167,908	26,776	10,579,716	6,956,423	33,975	3,988	149,835	47,619	629
OT PROPERTY TAX - TRANS	6,298,101	3,580,164	379,296	3,203	1,527,296	804,157	3,517	468	0	0	0
OT PROPERTY TAX - DISTR	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526
OT PROPERTY TAX - GEN	2,132,870	1,329,877	155,667	3,677	343,429	178,591	3,862	425	60,320	56,799	223
OT FED HEAVY VEHICLE USE TAX	48,318	31,736	3,663	87	6,215	2,346	112	9	2,185	1,958	7
OT ELECTRIC EXCISE TAX - SC	0	0	0	0	0	0	0	0	0	0	0
OT PRIVILEGE TAX	12,154,735	6,852,263	776,119	14,014	2,539,730	1,486,559	17,705	1,678	253,138	212,705	824
OT PUC LICENSE TAX - SC	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: NC	(4,484,246)	(2,528,005)	(286,334)	(5,170)	(936,982)	(548,436)	(6,532)	(619)	(93,390)	(78,473)	(304)
OT MISC TAXES: SC	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: OTHER STATES	942	531	60	1	197	115	1	0	20	16	0
BOOK OTHER TAXES	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400
OTHER TAX ADJUSTMENTS:											
ADJOT REMOVE DSM - PLANT RELATED	(406,981)	(230,326)	(26,136)	(481)	(84,061)	(48,854)	(610)	(57)	(8,917)	(7,511)	(29)
ADJOT REMOVE JAAR PLANT REL TAX	(3,704,417)	(1,829,412)	(203,579)	(2,514)	(993,497)	(653,249)	(3,190)	(374)	(14,070)	(4,472)	(59)
ADJOT REMOVE DSM	(223,168)	(139,351)	(16,232)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)
ADJOT REMOVE JAAR PAYROLL TAX	(2,057,125)	(1,015,903)	(113,051)	(1,396)	(551,706)	(362,760)	(1,772)	(208)	(7,814)	(2,483)	(33)
Total NON-FUEL CLAUSE ADJ. TO OTHER TAX	(6,391,692)	(3,214,992)	(358,998)	(4,657)	(1,692,321)	(1,068,261)	(5,912)	(680)	(31,161)	(14,587)	(122)
ADJOT PROPERTY TAX	4,032,405	2,282,089	258,958	4,765	832,885	484,050	6,042	567	88,348	74,416	287
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS	6,557,280	3,711,010	421,103	7,749	1,354,392	787,136	9,826	921	143,667	121,011	466
ADJOT PAYROLL TAX	(1,084,057)	(594,617)	(69,896)	(1,460)	(242,747)	(158,557)	(1,306)	(195)	(5,777)	(9,439)	(62)
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ	(17,626)	(9,668)	(1,136)	(24)	(3,947)	(2,578)	(21)	(3)	(94)	(153)	(1)
ADJOT REMOVE EXPIRING OTH TAX - PROD	(22,074)	(10,901)	(1,213)	(15)	(5,920)	(3,893)	(19)	(2)	(84)	(27)	(0)
ADJOT REMOVE EXPIRING OTH TAX - LAB	26,771	14,684	1,726	36	5,995	3,916	32	5	143	233	2
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS	4,697	3,783	513	21	75	23	13	3	59	206	1
ADJOT REMOVE MERGER RELATED- PROPERTY TAX	(52,799)	(30,014)	(3,180)	(27)	(12,804)	(6,741)	(29)	(4)	0	0	0
ADJOT PLANT RETIREMENT PROP TAX - PROD	(1,020,946)	(504,190)	(56,107)	(693)	(273,810)	(180,037)	(879)	(103)	(3,878)	(1,232)	(16)
TOTAL OTHER TAX ADJUSTMENTS	2,027,262	1,643,401	191,257	5,674	(38,278)	(144,966)	7,732	506	191,164	170,221	552
ADJ OTHER TAXES	103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952
BOOK OPERATING EXPENSE SUMMARY:											
BOOK O&M EXPENSE	2,086,531,807	1,037,542,516	129,746,678	2,673,041	526,544,051	355,621,607	2,472,964	356,518	17,871,168	13,909,219	94,045
BOOK DEPRECIATION EXPENSE	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486
BOOK OTHER AMORTIZATIONS	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153
BOOK OTHER TAXES	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400
TOT OP EXPENSE BEFORE INC TAX - BOOK	2,853,864,281	1,464,535,520	181,260,860	3,693,732	692,054,314	451,906,417	3,562,292	479,967	31,371,998	24,855,098	144,084
OP INCOME BEFORE INC. TAX	803,451,791	384,405,684	60,450,922	669,423	218,369,926	102,267,792	1,731,374	33,331	33,367,792	2,093,345	62,202

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

Item No. 45C COS "Proforma Adjusted"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM												
COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
TEMPORARY DIFFERENCES:												
TXD INTEREST CHARGES	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
TOTAL OPERATING INTEREST DEDUCTIONS	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
BOOK OPERATING INTEREST DEDUCTIONS	(209,958,701)	(118,364,754)	(13,406,542)	(242,069)	(43,870,836)	(25,678,556)	(305,839)	(28,981)	(4,372,664)	(3,674,221)	(14,239)	
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
TAXABLE INCOME BEFORE SIT	593,493,090	266,040,930	47,044,381	427,354	174,499,090	76,589,235	1,425,534	4,350	28,995,128	(1,580,876)	47,964	

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
CURRENT INCOME TAXES:											
TOTAL STATE INCOME TAX - PB BLENDED	(2,970,862)	(1,331,727)	(235,491)	(2,139)	(873,494)	(383,385)	(7,136)	(22)	(145,142)	7,913	(240)
FEDERAL INCOME TAX-PER BOOKS	(50,006,022)	(22,415,844)	(3,963,824)	(36,008)	(14,702,792)	(6,453,189)	(120,111)	(367)	(2,443,046)	133,200	(4,041)
INVESTMENT TAX CREDITS:											
ITC - PRODUCTION RELATED	(1,732,635)	(855,655)	(95,218)	(1,176)	(464,680)	(305,538)	(1,492)	(175)	(6,581)	(2,092)	(28)
ITC - TRANSMISSION RELATED	(162,559)	(90,793)	(9,650)	(84)	(39,400)	(22,468)	(94)	(12)	(44)	(14)	(0)
ITC - DISTRIBUTION RELATED	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)
ITC - GENERAL RELATED	(69,221)	(43,160)	(5,052)	(119)	(11,146)	(5,796)	(125)	(14)	(1,958)	(1,843)	(7)
ITC - HARRIS DISALLOW.- NCR	213,806	105,587	11,750	145	57,341	37,703	184	22	812	258	3
ITC - HARRIS DISALLOW.- SCR	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.- WHSLE	0	0	0	0	0	0	0	0	0	0	0
ITC - HARRIS DISALLOW.- NCEMPA	0	0	0	0	0	0	0	0	0	0	0
BOOK INVESTMENT TAX CREDITS	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEFERRED INCOME TAXES:											
BOOK DEFERRED INCOME TAXES	168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611
BOOK DEFERRED INCOME TAXES	168,418,381	75,495,711	13,350,010	121,272	49,518,444	21,734,095	404,531	1,234	8,228,087	(448,613)	13,611
NET CURR & DEF STATE & FED INC TAX ADJUSTMENTS:											
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	43,815,199	32,357,602	1,351,228	25,865	5,813,707	708,554	79,468	15,125	861,564	2,595,837	6,249
ADJ IT REMOVE NC EDIT RIDER	18,743,332	8,401,940	1,485,727	13,496	5,510,922	2,418,794	45,020	137	915,706	(49,926)	1,515
ADJ IT CHANGE IN NC TAX RATE	(2,228,363)	(998,893)	(176,636)	(1,605)	(655,184)	(287,566)	(5,352)	(16)	(108,867)	5,936	(180)
ADJ IT INTEREST SYNCHRONIZATION	79,672	44,915	5,087	92	16,647	9,744	116	11	1,659	1,394	5
ADJ IT CASH WK CAP INTEREST SYNCHRONIZATION	(214,092)	(120,695)	(13,670)	(247)	(44,735)	(26,184)	(312)	(30)	(4,459)	(3,747)	(15)
ADJ IT ITC ADJUSTMENT - PROD	(919,732)	(454,206)	(50,545)	(624)	(246,665)	(162,188)	(792)	(93)	(3,493)	(1,110)	(15)
ADJ IT ITC ADJUSTMENT - TRANS	(150,571)	(85,592)	(9,068)	(77)	(36,514)	(19,225)	(84)	(11)	0	0	0
ADJ IT ITC ADJUSTMENT - DISTR	(382,060)	(260,997)	(30,649)	(822)	(37,501)	(9,373)	(1,062)	(84)	(21,880)	(19,625)	(68)
ADJ IT ITC ADJUSTMENT - GEN	(15,906)	(9,918)	(1,161)	(27)	(2,561)	(1,332)	(29)	(3)	(450)	(424)	(2)
NET CURRENT & DEF STATE & FED INCOME TAXES ADJs	58,727,478	38,874,157	2,560,314	36,051	10,318,117	2,631,223	116,973	15,036	1,639,781	2,528,336	7,490
ADJ NET CURR & DEF STATE & FED INC TAXES	174,168,974	90,622,296	11,711,008	119,177	44,260,275	17,528,744	394,257	15,882	7,279,680	2,220,837	16,819
TOTAL OPER EXPENSE - PB	2,967,194,543	1,515,153,283	190,284,455	3,774,847	725,503,190	466,498,993	3,837,046	480,555	36,983,473	24,525,364	153,317
TOTAL OPER EXPENSE - ADJ	3,104,667,021	1,595,701,982	189,152,312	3,517,649	783,555,507	460,451,763	4,223,957	469,870	39,441,808	27,984,226	167,947



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C, "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
PRODUCTION PLANT IN SERVICE:												
PRODUCTION PLANT		10,659,392,763	5,264,099,426	585,795,443	7,235,206	2,858,769,051	1,879,710,855	9,180,476	1,077,591	40,487,383	12,867,271	170,061
CONTRA AFUDC - WHS		0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL		(321,021,266)	(158,535,096)	(17,641,980)	(217,897)	(86,095,492)	(56,609,900)	(276,482)	(32,453)	(1,219,329)	(387,514)	(5,122)
CONTRA AFUDC - SC RETAIL		0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC		(387,936,216)	(191,580,783)	(21,319,345)	(263,317)	(104,041,578)	(68,409,893)	(334,113)	(39,218)	(1,473,491)	(468,289)	(6,189)
HARRIS DISALLOWANCE - SC		0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS		0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA		0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC		(11,032,277)	(5,448,247)	(606,288)	(7,488)	(2,958,774)	(1,945,466)	(9,502)	(1,115)	(41,904)	(13,317)	(176)
CWIP IN RATE BASE - NC RETAIL		102,930,000	50,831,578	5,656,600	69,865	27,605,053	18,151,000	88,649	10,406	390,957	124,250	1,642
TOTAL PRODUCTION PLANT		10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,896,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216
TRANSMISSION PLANT IN SERVICE:												
TRANSMISSION PLANT - TRAN		1,492,257,550	848,275,929	89,869,598	758,804	361,874,006	190,535,012	833,346	110,856	0	0	0
TRANSMISSION PLANT - PROD		115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
TRANS PLANT - OATT CONTRA		0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL		13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSLE/PA		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERC MIT REL		0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION PLANT		1,621,142,803	905,450,081	96,232,008	837,387	392,923,514	224,062,857	933,057	122,560	439,739	139,753	1,847
DISTRIBUTION PLANT IN SERVICE												
SUBSTATIONS:												
SUBSTATIONS - RETAIL		755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL		11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS		0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST SUBSTATIONS		766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894
OVERHEAD LINES:												
PRIMARY POLES - CUSTOMER		356,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872
PRIMARY POLES - DEMAND		133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682
SECONDARY POLES - CUSTOMER		126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0
SECONDARY POLES - DEMAND		46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0
PRIMARY CONDUCTOR - CUST		567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417
PRIMARY CONDUCTOR - DEMAND		227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950
PRIMARY COND - ADDL FAC RETAIL		6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0
PRIMARY COND - ADDL FAC WHSL		0	0	0	0	0	0	0	0	0	0	0
SECONDARY COND - CUSTOMER		105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0
SECONDARY COND - DEMAND		43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0
TOTAL DIST OVERHEAD LINES		1,615,678,121	1,299,103,638	160,996,393	5,059,839	120,495,082	21,903,503	3,195,436	658,585	2,040,969	1,946,754	277,922
UNDERGROUND LINES:												
U/G LINES - PRIMARY CUSTOMER		438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305
U/G LINES - SECONDARY CUSTOMER		193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0
U/G LINES - PRIMARY DEMAND		386,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251
U/G LINES - SECONDARY DEMAND		162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0
TOTAL DIST UNDERGRD LINES		1,180,375,674	921,954,349	107,709,679	2,843,400	122,461,822	17,528,706	3,232,750	371,430	2,502,294	1,504,688	266,556

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>LINE TRANSFORMERS:</b>											
LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST LINE TRNSFRMS	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656
<b>SERVICES:</b>											
SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
TOTAL DIST SERVICES	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
<b>METERS:</b>											
METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIST METERS	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855
STREET LIGHTS	305,063,146	0	0	0	0	0	0	0	0	305,063,146	0
AREA LIGHTS	335,794,236	0	0	0	0	0	0	0	0	335,794,236	0
DISTR PLANT SUBTOTAL	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883
<b>TOTAL DISTRIBUTION PLANT</b>											
	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883
<b>GENERAL PLANT:</b>											
GENERAL PLANT - PROD	17,122,557	8,455,908	940,984	11,622	4,592,141	3,019,446	14,747	1,731	65,036	20,669	273
GENERAL PLANT - T/D	270,260,876	177,508,741	20,489,190	488,380	34,761,998	13,120,904	625,226	50,946	12,223,073	10,954,249	38,169
GENERAL PLANT - CUST/SALES	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177
GENERAL PLANT - LABOR	155,091,156	85,069,254	9,999,738	208,844	34,728,779	22,684,052	166,872	27,849	826,422	1,350,418	8,927
TOTAL GENERAL PLANT	463,721,560	289,137,371	33,844,666	799,531	74,667,183	38,828,611	839,683	92,294	13,114,531	12,349,143	48,547
TOTAL TANGIBLE PLANT	18,179,460,015	10,288,436,620	1,167,470,195	21,482,277	3,754,928,487	2,182,261,619	27,240,492	2,554,003	398,302,804	335,491,023	1,292,493
<b>INTANGIBLE PLANT:</b>											
INTANGIBLE PLT	355,422,647	201,146,974	22,824,954	419,995	73,411,786	42,664,920	532,573	49,933	7,787,131	6,559,112	25,269
BOOK PLANT IN SERVICE	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL									
PLANT IN SERVICE ADJUSTMENTS:																				
ADJPLT DSDR TRANSMISSION	(357,191)	(203,046)	(21,511)	(182)	(86,619)	(45,607)	(199)	(27)	0	0	0	0	0	0	0	0	0	0	0	0
ADJPLT DSDR DISTRIBUTION	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(14,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)	(25,744)	(25,744)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)
ADJPLT DSDR GENERAL	(12,654,267)	(7,890,126)	(923,570)	(21,818)	(2,037,556)	(1,059,575)	(22,914)	(2,519)	(357,876)	(336,990)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)	(1,325)
ADJPLT DSDR INTANGIBLE	(22,134,240)	(12,526,594)	(1,421,443)	(26,156)	(4,571,780)	(2,656,993)	(33,166)	(3,110)	(484,950)	(408,474)	(1,574)	(1,574)	(1,574)	(1,574)	(1,574)	(1,574)	(1,574)	(1,574)	(1,574)	(1,574)
Total DSDR ADJ TO PLANT IN SERVICE	(179,159,906)	(119,000,195)	(13,919,263)	(358,181)	(20,831,662)	(7,295,118)	(456,483)	(37,158)	(9,090,325)	(8,142,879)	(28,642)	(28,642)								
ADJPLT REMOVE JAAR EPIS	(763,193,785)	(376,900,266)	(41,941,924)	(518,028)	(204,682,839)	(134,583,993)	(657,306)	(77,154)	(2,898,825)	(921,274)	(12,176)	(12,176)								
ADJPLT ADDITIONS TO EPIS PROD	850,542,876	420,037,273	46,742,263	577,317	228,109,209	149,987,407	732,536	85,984	3,230,602	1,026,716	13,570	13,570	0	0	0	0	0	0	0	0
ADJPLT ADDITIONS TO EPIS TRANS	166,473,461	94,632,076	10,025,684	84,651	40,369,987	21,255,730	92,967	12,367	0	0	0	0	0	0	0	0	0	0	0	0
ADJPLT ADDITIONS TO EPIS DIST	732,785,417	500,587,715	58,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159	130,990	130,990	6,160	6,160	6,160	6,160	6,160	6,160	6,160	6,160
ADJPLT ADDITIONS TO EPIS GEN	58,838,387	36,686,620	4,294,313	101,447	9,473,997	4,926,691	106,542	11,711	1,664,011	1,566,896	1,792	1,792	1,792	1,792	1,792	1,792	1,792	1,792	1,792	1,792
ADJPLT ADDITIONS TO EPIS INT	25,212,258	14,268,560	1,619,111	29,793	5,207,538	3,026,478	37,779	3,542	552,388	465,277	1,642	1,642	1,642	1,642	1,642	1,642	1,642	1,642	1,642	1,642
ADJPLT REMOVE ASHEVILLE CWIP IN RATEBASE	(102,930,389)	(50,831,770)	(5,656,622)	(69,865)	(27,605,157)	(18,151,069)	(88,650)	(10,406)	(390,959)	(124,250)	(1,642)	(1,642)								
Total ADDITIONS ADJ TO PLANT IN SERVICE	1,730,922,011	1,015,380,474	115,808,382	2,300,844	327,482,089	179,021,862	2,917,521	263,496	47,021,675	40,574,798	150,870	150,870								
ADJPLT PLANT RETIREMENT - PROD	(283,932,778)	(140,219,092)	(15,603,753)	(192,723)	(76,148,638)	(50,069,599)	(244,539)	(28,704)	(1,078,457)	(342,744)	(4,530)	(4,530)								
Total ADI for OTHER CLAUSES	(942,353,691)	(495,900,461)	(55,861,187)	(876,209)	(225,514,501)	(141,879,111)	(1,113,789)	(114,312)	(11,989,151)	(9,064,153)	(40,818)	(40,818)								
EPIS ADJUSTMENTS	504,635,542	379,260,922	44,343,442	1,231,912	25,818,951	(12,926,849)	1,559,194	120,480	33,954,067	31,167,902	105,522	105,522								
ADJ PLANT IN SERVICE	19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284	1,423,284								

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item#45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

Item No. 45C COS "Proforma Adjusted"

TEST YEAR ENDING December 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RESERVE FOR DEPRECIATION											
PRODUCTION FUNCTION:											
DPR PRODUCTION RELATED	(4,493,833,278)	(2,219,261,988)	(246,962,197)	(3,050,250)	(1,205,212,321)	(792,456,696)	(3,870,345)	(454,295)	(17,068,847)	(5,424,640)	(71,695)
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF .NCEMPA -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC NC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC SC RET-PROD	238,121,493	117,595,368	13,086,157	161,628	63,862,395	41,991,093	205,084	24,072	904,453	287,444	3,799
DPR CONTRA AFUDC WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NC	254,433,596	125,651,036	13,982,601	172,700	68,237,179	44,867,621	219,133	25,721	966,411	307,134	4,059
DPR HARRIS DISALLOW. - SC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(167,959,493)	(18,690,739)	(230,851)	(91,213,589)	(59,975,175)	(292,918)	(34,382)	(1,291,815)	(410,551)	(5,426)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION RESERVE	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)
TRANSMISSION FUNCTION:											
DPR TRANS RELATED - PROD	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
DPR TRANS RELATED - TRANS	(445,657,941)	(253,334,891)	(26,839,268)	(226,615)	(108,072,513)	(56,902,671)	(248,876)	(33,107)	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
TOTAL TRANSMISSION RESERVE	(481,986,883)	(271,275,797)	(28,835,754)	(251,273)	(117,815,663)	(63,309,031)	(280,165)	(36,779)	(137,988)	(43,854)	(580)
DISTRIBUTION FUNCTION:											
DPR DISTRIBUTION RELATED	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
TOTAL DISTRIBUTION RESERVE	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)
GENERAL FUNCTION:											
DPR GENERAL RELATED	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)
TOTAL GENERAL RESERVE	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)
INTANGIBLE:											
TOTAL LIMITED TERM PLT RESERVE	(217,573,011)	(123,132,708)	(13,972,363)	(257,101)	(44,939,239)	(26,117,455)	(326,016)	(30,566)	(4,766,915)	(4,015,179)	(15,469)
BOOK DEPRECIATION RESERVE	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)

DUKE ENERGY PROGRESS, LLC

DOCKET NO. E-2 Sub 1219, E1 Item#45C "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES

TEST YEAR ENDING December 31, 2018

Item No. 45C COS "Proforma Adjusted"

NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION RESERVE ADJUSTMENTS:											
ADJDDPR DSDR Trans	59,333	33,728	3,573	30	14,388	7,576	33	4	0	0	0
ADJDDPR DSDR Dist	38,449,890	26,266,274	3,084,428	82,773	3,774,047	943,249	106,849	8,411	2,201,973	1,975,012	6,873
ADJDDPR DSDR Gen	3,607,292	2,249,201	263,278	6,220	580,836	302,048	6,532	718	102,018	96,064	378
ADJDDPR DSDR INT	21,856,886	12,369,630	1,403,632	25,828	4,514,493	2,623,700	32,751	3,071	478,873	403,356	1,554
ADJDDPR YE DEPR RES-JAAR	93,549,134	46,198,874	5,141,067	63,498	25,089,175	16,496,749	80,570	9,457	355,326	112,926	1,492
Total DSDR ADJ TO DEPRECIATION RESERVE	157,522,536	87,117,707	9,895,978	178,348	33,972,940	20,373,321	226,735	21,661	3,138,191	2,587,358	10,297
ADJDDPR ADDITIONS TO EPIS- PROD	(223,453,606)	(110,351,690)	(12,280,071)	(151,672)	(59,928,578)	(39,404,512)	(192,451)	(22,590)	(848,740)	(269,738)	(3,565)
ADJDDPR ADDITIONS TO EPIS- TRANS	(15,314,554)	(8,705,580)	(922,302)	(7,787)	(3,713,795)	(1,955,399)	(8,552)	(1,138)	0	0	0
ADJDDPR ADDITIONS TO EPIS- DIST	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)
ADJDDPR ADDITIONS TO EPIS- GEN	23,255,532	14,500,174	1,697,302	40,096	3,744,543	1,947,246	42,110	4,629	657,691	619,307	2,435
ADJDDPR ADDITIONS TO EPIS- INT	(37,928,966)	(21,465,421)	(2,435,768)	(44,820)	(7,834,147)	(4,552,992)	(56,834)	(5,329)	(831,005)	(699,956)	(2,697)
Total ADDITIONS ADJ TO DEPRECIATION RESERVE	(380,295,911)	(212,680,508)	(24,117,021)	(437,268)	(80,183,357)	(47,077,635)	(568,244)	(52,177)	(8,286,829)	(6,866,369)	(26,503)
ADJDDPR YE DEPR RES-MERGER TRANS	342,408	194,643	20,621	174	83,034	43,720	191	25	0	0	0
ADJDDPR NEW RATES - PROD	(76,735,677)	(37,895,614)	(4,217,070)	(52,085)	(20,579,932)	(13,531,811)	(66,089)	(7,757)	(291,464)	(92,630)	(1,224)
ADJDDPR NEW RATES - TRANS	(5,010,270)	(2,848,095)	(301,738)	(2,548)	(1,214,996)	(639,723)	(2,798)	(372)	0	0	0
ADJDDPR NEW RATES - DIST	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661
ADJDDPR NEW RATES - GEN	(9,728,952)	(6,066,148)	(710,066)	(16,774)	(1,566,529)	(814,630)	(17,617)	(1,936)	(275,145)	(259,087)	(1,019)
Total ADJUSTMENT FOR NEW DEPR. RATES	(87,778,630)	(44,284,825)	(4,932,362)	(63,450)	(22,998,650)	(14,895,488)	(76,232)	(9,257)	(354,928)	(161,855)	(1,582)
ADJDDPR PLANT RETIREMENT - PROD	208,381,799	102,908,536	11,451,788	141,442	55,886,433	36,746,702	179,470	21,066	791,493	251,544	3,325
TOTAL DEPR RESERVE ADJUSTS	(101,827,798)	(66,744,447)	(7,680,995)	(180,754)	(13,239,600)	(4,809,380)	(238,080)	(18,682)	(4,712,074)	(4,189,323)	(14,463)
ADJ DEPRECIATION RESERVE	(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,636,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)
BOOK NET PLANT IN SERVICE	10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C, "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PLANT HELD FOR FUTURE USE	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
ADJNUC NUC FUEL - JAAR	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)
ADJ NUCLEAR FUEL INVENTORY	203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284
ACCUM DEFERRED INCOME TAXES:											
DFTR NC CLEAN AIR	17,880,376	8,830,154	982,630	12,137	4,795,383	3,153,082	15,400	1,808	67,915	21,584	285
DFTR ALL PLANT RELATED	(1,688,562,520)	(951,931,435)	(107,820,173)	(1,946,809)	(352,824,859)	(206,516,079)	(2,459,669)	(233,075)	(35,166,516)	(29,549,392)	(114,512)
DFTR TRANSMISSION RELATED	0	0	0	0	0	0	0	0	0	0	0
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND	79,100,913	39,063,677	4,341,054	53,691	21,214,271	13,948,904	68,126	7,997	300,448	95,485	1,262
SC RETAIL - HARRIS ACCELERATED DEPR UNWIND	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT NC RETAIL - FED TAX CHANGE	272,646,772	153,705,315	17,409,377	314,345	56,969,498	33,345,489	397,155	37,634	5,678,224	4,771,246	18,490
DFTR EDIT SC RETAIL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
BOOK ACCUM DEFERRED INC TAX	(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,986)	(185,637)	(29,119,929)	(24,661,078)	(94,475)
ADJDFTR REMOVE DSM	50,920,087	31,795,563	3,703,625	60,637	14,387,832	775,446	77,659	9,129	82,174	27,683	339
ADJDFTR REMOVE REPS	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)
ADJDFTR REMOVE JAAR: PLANT REL	42,714,185	24,080,231	2,727,439	49,247	8,925,122	5,224,068	62,220	5,896	889,579	747,487	2,897
ADJDFTR REMOVE DSDR - TRANS PLANT	45,457	25,840	2,738	23	11,023	5,804	25	3	0	0	0
ADJDFTR REMOVE DSDR - DISTR PLANT	18,048,049	12,372,164	1,447,804	38,853	1,771,505	442,753	50,154	3,948	1,033,587	927,054	3,226
ADJDFTR REMOVE DSDR - GEN PLANT	1,585,849	988,801	115,743	2,734	255,349	132,787	2,872	316	44,849	42,232	166
ADJDFTR REMOVE DSDR - INTANG PLANT	2,773,892	1,569,849	178,137	3,278	572,941	332,978	4,156	390	60,775	51,191	197
Total ADJUSTMENT FOR OTHER CLAUSES TO ACC DEF INC TAX	89,762,021	61,972,415	(3,851,666)	(334,293)	22,326,943	6,797,487	158,871	(27,368)	1,023,012	1,694,150	2,469
ADJDFTR ADDITIONS TO EPIS - PROD	(22,069,898)	(10,899,133)	(1,212,869)	(14,980)	(5,918,981)	(3,891,875)	(19,008)	(2,231)	(83,828)	(26,641)	(352)
ADJDFTR ADDITIONS TO EPIS - TRANS	(1,216,401)	(691,465)	(73,256)	(619)	(294,978)	(155,313)	(679)	(90)	0	0	0
ADJDFTR ADDITIONS TO EPIS - DIST	(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)
ADJDFTR ADDITIONS TO EPIS - GEN	(1,385,067)	(863,610)	(101,089)	(2,388)	(223,020)	(115,975)	(2,508)	(276)	(39,171)	(36,885)	(145)
ADJDFTR ADDITIONS TO EPIS - INT	(185,832)	(105,169)	(11,934)	(220)	(38,383)	(22,307)	(278)	(26)	(4,071)	(3,429)	(13)
Total ADDITIONS ADJ TO ACC DEF INC TAX	(30,983,058)	(16,744,136)	(1,890,561)	(31,394)	(7,076,646)	(4,335,750)	(39,497)	(3,963)	(477,890)	(381,616)	(1,605)
ADJDFTR ADIT RELATED TO ASH DEFERRAL	(98,145,346)	(42,415,690)	(4,965,271)	(80,460)	(28,403,963)	(21,257,727)	(109,120)	(12,101)	(681,550)	(216,603)	(2,863)
ADJDFTR RATE CASE EXP DEFERRAL	(618,649)	(348,765)	(39,503)	(713)	(129,267)	(75,663)	(901)	(85)	(12,884)	(10,826)	(42)
ADJDFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS	19,427,691	10,952,410	1,240,521	22,399	4,059,413	2,376,063	28,300	2,682	404,607	339,979	1,318
ADJDFTR SEVERANCE DEFERRAL	(5,371,966)	(2,946,584)	(346,366)	(7,234)	(1,202,917)	(785,718)	(6,473)	(965)	(28,625)	(46,775)	(309)
ADJDFTR ADIT RELATED TO STORM DEFERRAL	(141,653,320)	(113,897,899)	(14,115,233)	(443,617)	(10,564,312)	(1,920,373)	(280,157)	(57,741)	(170,940)	(170,680)	(24,367)
ADJDFTR ADIT RETIRED PLANT - PROD	(15,109,247)	(7,461,643)	(830,341)	(10,256)	(4,052,187)	(2,664,412)	(13,013)	(1,527)	(57,389)	(18,239)	(241)
ADJDFTR ADIT ASHEVILLE CC	(6,224,295)	(3,073,844)	(342,061)	(4,225)	(1,669,309)	(1,097,612)	(5,361)	(629)	(23,642)	(7,514)	(99)
TOTAL ACCUM DEF TAX ADJUSTS	(188,916,170)	(113,963,734)	(25,140,481)	(889,793)	(26,712,245)	(22,963,704)	(267,351)	(101,698)	(33,301)	1,181,877	(25,739)
ADJ ACCUM DEFERRED INC TAX	(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E 1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
REGULATORY ASSETS:											
RA SFAS 109	98,673,185	55,627,260	6,300,602	113,764	20,617,746	12,068,016	143,734	13,620	2,054,998	1,726,754	6,692
RA SFAS 158	295,477,336	162,072,662	19,051,350	397,887	66,164,748	43,217,315	356,026	53,058	1,574,486	2,572,796	17,008
RA MAYO 2 ABANDONMENT - WHS	0	0	0	0	0	0	0	0	0	0	0
RA PRODUCTION REL	22,913,419	11,315,702	1,259,225	15,553	6,145,207	4,040,624	19,734	2,316	87,032	27,659	366
RA GRIDSOUTH	0	0	0	0	0	0	0	0	0	0	0
RA SC DERP	0	0	0	0	0	0	0	0	0	0	0
RA REPS DEFERRAL	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
RA DSMEE DEFERRAL	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464
RA PSNC PIPELINE	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
RA POLLUTION CNTL DEFERRAL - SC	0	0	0	0	0	0	0	0	0	0	0
RA EMISSION ALLOWANCE PROCEEDS - NCR	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43
RA DISTRIBUTION REL	19,424,242	13,269,283	1,558,202	41,815	1,906,585	476,514	53,978	4,249	1,112,400	997,743	3,472
RA STORM REL REG ASSETS (LIABILITIES)- NCR	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828
RA STORM REL REG ASSETS (LIABILITIES)- SCR	0	0	0	0	0	0	0	0	0	0	0
RA METER PLANT RETIREMENTS	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020
RL EDIT NC RETAIL - FED TAX CHANGE	(1,176,758,753)	(663,400,754)	(75,139,849)	(1,356,731)	(245,883,547)	(143,920,999)	(1,714,143)	(162,430)	(24,507,535)	(20,592,963)	(79,804)
RL EDIT SC RETAIL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RL EDIT WHL - FED TAX CHANGE	0	0	0	0	0	0	0	0	0	0	0
RA OVER AMORTIZATIONS - NC RETAIL	(3,452,689)	(1,946,462)	(220,465)	(3,981)	(721,439)	(422,274)	(5,029)	(477)	(71,907)	(60,421)	(234)
RA PLANT REL	(18,159,563)	(10,237,500)	(1,159,547)	(20,937)	(3,794,436)	(2,220,967)	(26,452)	(2,507)	(378,197)	(317,787)	(1,232)
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)	0	0	0	0	0	0	0	0	0	0	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088
BOOK REGULATORY ASSETS											
	(439,579,232)	(227,173,001)	(71,300,921)	(2,381,283)	(53,854,338)	(45,152,044)	(706,061)	(221,202)	(23,192,828)	(15,540,545)	(57,009)
REGULATORY ASSET ADJUSTMENTS:											
ADJRA REMOVE DSM	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)
ADJRA REMOVE REPS	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727
ADJRA REMOVE JAAR	(44,392,629)	(21,923,126)	(2,439,632)	(30,132)	(11,905,770)	(7,828,336)	(35,233)	(4,488)	(168,616)	(53,588)	(708)
ADJRA ADJUST RETIRED METERS	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)
ADJRA NC COAL ASH DEFERRAL	423,600,817	183,068,494	21,430,389	347,269	122,593,097	91,749,540	470,967	52,229	2,941,606	934,870	12,356
ADJRA ANNUAL/ REM EXP. REG ASSETS - PROD	(12,930,007)	(6,385,433)	(710,579)	(8,776)	(3,467,731)	(2,280,118)	(11,136)	(1,307)	(49,112)	(15,608)	(206)
ADJRA ANNUAL/ REM EXP. REG ASSETS - ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)
ADJRA ANNUAL/ REM EXP. REG ASSETS - DIST	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,358)	(186)	(48,592)	(43,583)	(152)
ADJRA ANNUAL/ REM EXP. REG ASSETS - PLANT	1,706,244	961,899	108,949	1,967	356,519	208,679	2,485	236	35,535	29,859	116
ADJRA ANNUAL/ REM EXP. REG ASSETS - STORM	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)
Total ADJUSTMENT FOR ANNUALIZING OR EXPIRING AMORTIZATIONS											
	(83,851,003)	(41,452,184)	(4,885,177)	(95,009)	(21,409,721)	(15,221,470)	(101,125)	(13,493)	(492,974)	(175,814)	(4,037)
ADJRA DEFERRED SEVERANCE	23,185,707	12,717,623	1,494,934	31,222	5,191,856	3,391,204	27,937	4,163	123,548	201,884	1,335
ADJRA ADJUST STORM DEFERRAL	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,639,847	1,114,554	229,712	711,881	679,019	96,938
ADJRA ADJUST STORM DEFERRAL-TRANS	44,673,398	25,394,657	2,690,407	22,716	10,833,345	5,704,006	24,948	3,319	0	0	0
ADJRA ADJUST STORM DEFERRAL-PROD	3,168,770	1,564,885	174,142	2,151	849,840	556,791	56,165	320	12,036	3,825	51
ADJRA ADJUST RETIRED PLANT - PROD	65,212,359	32,204,868	3,583,797	44,264	17,489,465	11,499,752	56,165	6,593	247,695	78,720	1,040
ADJRA ADJUST ASHEVILLE CC	26,864,406	13,266,882	1,476,355	18,235	7,204,832	4,737,354	23,137	2,716	102,039	32,429	429
TOTAL REG ASSETS ADJUSTMENTS											
	913,951,947	557,395,611	115,236,959	3,940,241	126,199,839	99,383,408	1,409,314	443,839	7,799,931	2,018,220	124,586
ADJ REGULATORY ASSETS	474,372,715	330,222,609	43,936,038	1,558,958	72,345,501	54,231,364	703,254	222,637	(15,392,898)	(13,522,325)	67,577

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

Item No. 45C COS "Proforma Adjusted"  
NCUC Form E-1

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OPERATING RESERVES:											
OR LABOR RELATED OR COAL MINES & ENERGY RELATED	(53,352,760) (1,095,246)	(29,264,593) (473,335)	(3,440,000) (65,410)	(71,844) (899)	(11,947,014) (316,972)	(7,803,519) (237,224)	(64,286) (1,218)	(9,580) (135)	(284,297) (7,606)	(464,566) (2,417)	(3,071) (32)
BOOK OPERATING RESERVES	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)
TOTAL OPERATING RESERVES	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)
WORKING CAPITAL:											
MATERIALS AND SUPPLIES:											
WC MAT & SUP PLUS STORES EXP	494,677,061	279,956,258	31,767,760	584,549	102,174,486	59,381,014	741,235	69,496	10,838,125	9,128,968	35,170
WC EMISSION ALLOWANCES	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40
WC EMISSION ALLOWANCE PROCEEDS - REPS	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927
WC FUEL INVENTORY	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922
BOOK MATERIALS & SUPPLIES	750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059
MATERIAL & SUPPLIES ADJUSTMENTS:											
ADJWC REPS Inventory	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)
ADJWC M&S Inventory - JAAR	(36,622,206)	(18,085,733)	(2,012,603)	(24,856)	(9,821,800)	(6,458,075)	(31,541)	(3,702)	(139,101)	(44,208)	(584)
ADJWC FUEL INVENTORY	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281
ADJWC RETIRED PLANT INVENTORY	(6,948,509)	(3,932,421)	(446,226)	(8,211)	(1,435,200)	(834,099)	(10,412)	(976)	(152,238)	(128,231)	(494)
ADJWC ASHEVILLE CC INVENTORY	3,706,782	2,097,782	238,044	4,380	766,619	444,957	5,554	521	81,213	68,406	264
TOT MATERIALS & SUPP ADJUSTS	(150,651,332)	(56,086,086)	(56,752,429)	(2,258,064)	(24,155,191)	(5,291,228)	(200,499)	(218,201)	(5,120,119)	(547,055)	(20,460)
ADJ MATERIALS & SUPPLIES	600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598
CASH WORKING CAPITAL:											
WC DEFERRED DEBITS	4,658,858	2,626,443	297,483	5,371	973,468	569,792	6,786	643	97,027	81,529	316
WC PRELIMINARY SURVEY CHARGES	4,991,249	2,464,909	274,298	3,388	1,338,616	880,173	4,299	505	18,958	6,025	80
WC UNAMORTIZED DEBT EXPENSE	28,713,534	16,187,328	1,833,452	33,105	5,999,688	3,511,748	41,826	3,963	597,997	502,479	1,947
WC UNAMORTIZED LOSS ON REACQ DEBT	3,047,690	1,718,143	194,605	3,514	636,814	372,741	4,439	421	63,472	53,334	207
WC CUSTOMER DEPOSITS - INPUT	(116,588,156)	(99,338,867)	(13,250,447)	(497,610)	(3,206,026)	(23,097)	(70,446)	(64,571)	(0)	(130,632)	(6,457)
WC CUST ADV FOR CONSTRUCTION	(23,190,077)	(15,841,838)	(1,860,295)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)
WC CASH ALLOW LEAD/LAG	161,309,802	90,938,813	10,300,152	185,980	33,705,656	19,128,655	234,974	22,266	3,359,487	2,822,878	10,939
BOOK CASH WORKING CAPITAL	62,942,898	(1,245,069)	(2,210,752)	(316,174)	37,171,993	24,471,116	157,433	(41,846)	2,808,876	2,144,435	2,886
WC CASH ALLOW ADJ	47,322,236	26,678,032	3,021,678	54,560	9,887,973	5,787,646	68,933	6,532	985,547	828,126	3,209
WC RATE CASE DEFERRAL ADJ	2,670,122	1,505,288	170,496	3,078	557,922	326,564	3,889	369	55,609	46,726	181
TOT CASH WORK CAPITAL ADJUSTS	49,992,359	28,183,320	3,192,174	57,638	10,445,895	6,114,210	72,822	6,901	1,041,156	874,853	3,390
ADJ CASH WORK CAPITAL	112,935,257	26,938,251	981,422	(258,536)	47,617,888	30,585,326	230,255	(34,946)	3,850,032	3,019,288	6,277
BOOK WORKING CAPITAL	813,881,423	377,748,766	91,448,331	2,617,011	195,111,533	113,805,009	1,224,509	259,630	19,567,208	12,037,481	61,945
TOT ADJUSTED WORKING CAPITAL	713,222,449	349,844,001	37,888,076	416,585	181,402,237	114,627,991	1,096,832	48,330	15,488,245	12,365,279	44,875
BOOK RATE BASE	9,782,137,480	5,418,147,922	616,932,820	10,949,725	2,130,406,645	1,244,828,551	14,099,172	1,327,831	188,299,097	156,516,115	629,602
ADJUSTED RATE BASE	10,782,256,357	6,132,825,231	688,644,074	12,832,533	2,221,505,484	1,299,562,163	16,411,262	1,557,734	221,125,954	186,989,918	802,006

**DUKE ENERGY PROGRES, LLC**  
DOCKET NO. E-2 Sub 12.19, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS COST OF SERVICE" ADJUSTED AT PROPOSED RATES  
TEST YEAR ENDING December 31, 2018

NCUC Form E-1  
Item No. 45C COS "Proforma Adjusted"

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR												
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
DEVELOP LABOR FACTOR												
PRODUCTION LABOR:												
LAB01 LABOR-PROD DEMAND REL	131,428,149	64,905,277	7,222,739	89,209	35,248,042	23,176,453	113,193	13,286	499,201	158,651	2,097	
LAB02 LABOR-PROD ENERGY REL	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055	
TOTAL PRODUCTION LABOR	236,152,791	110,164,356	12,520,863	175,062	65,556,100	45,859,218	229,628	26,199	1,226,439	389,774	5,151	
TRANSMISSION LABOR:												
LAB04 LABOR-TRANS PROD REL	858,948	424,188	47,204	583	230,363	151,470	740	87	3,263	1,037	14	
LAB05 LABOR-TRANS PST REL	10,534,961	5,988,614	634,457	5,357	2,554,739	1,345,129	5,883	783	0	0	0	
TOTAL TRANSMISSION LABOR	11,393,909	6,412,802	681,661	5,940	2,785,102	1,496,599	6,623	869	3,263	1,037	14	
DISTRIBUTION LABOR:												
LAB442 LABOR-SUPERVISION&ENGINEERING	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70	
LAB12 LOAD DISPATCH	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278	
LAB13 LABOR-SUBSTATION	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	
LAB20 LABOR-OVERHEAD LINE	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	13,620	42,207	40,259	5,747	
LAB25 LABOR-UNDERGROUND LINE	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	1,167	7,860	4,727	837	
LAB26 LABOR-LINE TRANSFORMR	591,777	434,001	47,206	921	86,314	17,987	2,682	121	1,766	777	1	
LAB34 LABOR-METER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	
LAB35 LABOR-STREET LIGHT	2,001,283	0	0	0	0	0	0	0	0	2,001,283	0	
LAB361LABOR-CUST INSTALLATNS	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185	
LAB39 LABOR-RENTS	0	0	0	0	0	0	0	0	0	0	0	
LAB38 LABOR-MISCELLANEOUS	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394	
TOTAL DISTRIBUTION LABOR	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591	
CUSTOMER ACCOUNTING LABOR												
	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040	
SALES LABOR												
	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	
CUST SERV & INFO LABOR												
	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	
ADMIN & GENERAL LABOR:												
LAB61 LABOR-AGG LABOR REL	95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	
TOTAL ADMIN & GEN LABOR	95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	
TOTAL LABOR EXPENSE												
	428,234,721	234,891,591	27,611,084	576,656	95,892,439	62,634,770	515,988	76,896	2,281,900	3,728,748	24,650	

Labor NC



**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"**  
**ALLOCATION Factors used in Item No. 45C COS "Proforma Adjusted at Proposed Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31, 2018**

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

Allocation Factors Input to TACOS Cost of Service Software			Allocation Factors Dynamically Calculated Within TACOS	
Allocator	Functionalized As	Derived Using	Total Code	Calculated As
C1	100% Customer	Number of Customers	LAB	Test Year Company Labor Expense
C2	100% Customer	No. of Customers @ Primary and Below	NB_PLT	Total Net Plant in Service
C5	100% Customer	No. of Customers @ Secondary w/ Meters	PTDG	Gross Tangible Plant in Service
C8	100% Customer	No. of Customers @ Dist. Line Xfmr and Below	RB_PLT_O_DL_	Gross Total Distribution Plant
C9	100% Customer	No. of Customers @ Secondary and Below	RB_PLT_O_DL_CPREM	Gross Installation on Cust. Premises EPIS
CK	100% Customer	Number of Meters	RB_PLT_O_DL_LNTRFMS	Gross Dist. Line Transformer EPIS
D3	100% Dist. Substation	Class Non - Coincident Peaks @ T/D Substation	RB_PLT_O_DL_METR	Gross Meter Investment
D4	100% Dist. Primary	Class Non - Coincident Peaks @ Dist Primary	RB_PLT_O_DL_OH_LN	Gross Dist. Overhead Line Investment
D8	100% Dist. Line Xfmr.	Class Non - Coincident Peaks @ Line Xfmr	RB_PLT_O_DL_STLT	Gross Street Lighting Investment
D7	100% Dist. Secondary	Class Non-Coincident Peaks @ Secondary	RB_PLT_O_DL_SUB	Gross Dist. Substation Investment
E1	100% Energy	Energy @ Prod. Output (Trans. Input)	RB_PLT_O_DL_UGL	Gross Dist. Underground Line Investment
E2	100% Energy	Energy @ Customer Meter	RB_PLT_O_GN	Gross General Plant Investment
DP	100% Prod. Demand	Summer CP Demand @ Prod. Output	RB_PLT_O_PR	Gross Production Plant Investment
DT	100% Transmission	Summer CP Demand @ Prod. Output	RB_PLT_O_TR	Gross Transmission Plant Investment
DSM	50% Prod Demand/50% Energy	DSM Test Year Revenue	TDPLT	Gross Trans. and Dist. Plant Investment
DERP	100% Prod. Demand	DERP Test Year Revenue	WKT65	Pretax Operating Income Net of Interest Before Add'l Tax Deductions



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
ALLOCATION Factors used in Item No. 45C COS "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>System Factors - TACOS Inputs:</b>														
C1	1.00000	0.89297	0.76085	0.10149	0.00381	0.02456	0.00018	0.00054	0.00049	0.00000	0.00100	0.00005	0.10703	0.00000
CK	1.00000	0.89303	0.76187	0.10162	0.00382	0.02468	0.00039	0.00054	0.00007	0.00000	0.00000	0.00005	0.10697	0.00001
E1	1.00000	0.61109	0.26410	0.03092	0.00050	0.17685	0.13236	0.00068	0.00008	0.00424	0.00135	0.00002	0.10252	0.28639
E2	1.00000	0.60696	0.26147	0.03061	0.00050	0.17538	0.13269	0.00068	0.00007	0.00420	0.00134	0.00002	0.10208	0.29096
DP	1.00000	0.60859	0.30055	0.03345	0.00041	0.16322	0.10732	0.00052	0.00006	0.00231	0.00073	0.00001	0.09670	0.29471
DT	1.00000	0.58845	0.33450	0.03544	0.00030	0.14270	0.07513	0.00033	0.00004	0.00000	0.00000	0.00000	0.08719	0.32436
DSM	1.00000	0.81083	0.50630	0.05898	0.00097	0.22911	0.01235	0.00124	0.00015	0.00131	0.00044	0.00001	0.18917	0.00000
DERP	1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000

<b>System Factors - TACOS Calculated:</b>														
LAB	1.00000	0.65895	0.36144	0.04249	0.00089	0.14756	0.09638	0.00079	0.00012	0.00351	0.00574	0.00004	0.10508	0.23597
NB_PLT	1.00000	0.66555	0.37521	0.04250	0.00077	0.13907	0.08140	0.00097	0.00009	0.01386	0.01165	0.00005	0.10192	0.23253
PTDG	1.00000	0.67395	0.38141	0.04328	0.00080	0.13920	0.08090	0.00101	0.00009	0.01477	0.01244	0.00005	0.10336	0.22269
RB_PLT_O_DL	1.00000	0.87149	0.59534	0.06991	0.00188	0.08554	0.02138	0.00242	0.00019	0.04991	0.04476	0.00016	0.12568	0.00284
RB_PLT_O_DL_CPREM	1.00000	0.82856	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.82856	0.00000	0.00000	0.17144	0.00000
RB_PLT_O_DL_INTRMS	1.00000	0.90539	0.66400	0.07222	0.00141	0.13206	0.02752	0.00410	0.00019	0.00270	0.00119	0.00000	0.09408	0.00054
RB_PLT_O_DL_METR	1.00000	0.86511	0.61003	0.08005	0.00300	0.15092	0.01745	0.00330	0.00005	0.00000	0.00000	0.00030	0.11376	0.02112
RB_PLT_O_DL_OH_LN	1.00000	0.83917	0.67474	0.08362	0.00263	0.06258	0.01138	0.00166	0.00034	0.00106	0.00101	0.00014	0.15999	0.00084
RB_PLT_O_DL_STLT	1.00000	0.86685	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.86685	0.00000	0.13315	0.00000
RB_PLT_O_DL_SUB	1.00000	0.86562	0.55403	0.05181	0.00020	0.16616	0.08277	0.00532	0.00003	0.00362	0.00115	0.00051	0.12096	0.01342
RB_PLT_O_DL_UGL	1.00000	0.90835	0.70949	0.08289	0.00219	0.09424	0.01349	0.00249	0.00029	0.00193	0.00116	0.00021	0.09165	0.00000
RB_PLT_O_GN	1.00000	0.73769	0.45996	0.05384	0.00127	0.11878	0.06177	0.00134	0.00015	0.02086	0.01964	0.00008	0.11013	0.15219
RB_PLT_O_PR	1.00000	0.60298	0.29778	0.03314	0.00041	0.16171	0.10633	0.00052	0.00006	0.00229	0.00073	0.00001	0.09636	0.30066
RB_PLT_O_TR	1.00000	0.59028	0.32969	0.03504	0.00030	0.14307	0.08158	0.00034	0.00004	0.00016	0.00005	0.00000	0.08776	0.32196
TDPLT	1.00000	0.79179	0.52005	0.06003	0.00143	0.10184	0.03844	0.00183	0.00015	0.03581	0.03209	0.00011	0.11493	0.09327
WKTx65	1.00000	0.75432	0.33813	0.05979	0.00054	0.22179	0.09734	0.00181	0.00001	0.03685	-0.00201	0.00006	0.12657	0.11911

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219, E1 Item #45C "Proforma Adjusted at Proposed Rates"  
ALLOCATION Factors used in Item No. 45C COS "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	TOTAL SYSTEM	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	OTHER RETAIL	TOTAL WHOLESALE
<b>NC Retail Factors - TACOS Inputs:</b>														
C1		1.00000	0.85205	0.11365	0.00427	0.02750	0.00020	0.00060	0.00055	0.00000	0.00112	0.00006		
C5		1.00000	0.85649	0.11421	0.00429	0.02466	0.00000	0.00027	0.00007	0.00000	0.00000	0.00000		
C8		1.00000	0.85215	0.11366	0.00427	0.02749	0.00015	0.00060	0.00055	0.00000	0.00112	0.00000		
CK		1.00000	0.85313	0.11380	0.00427	0.02763	0.00043	0.00061	0.00007	0.00000	0.00000	0.00006		
D3		1.00000	0.64963	0.06075	0.00024	0.19482	0.08207	0.00624	0.00004	0.00425	0.00135	0.00060		
D4		1.00000	0.67603	0.06322	0.00025	0.20224	0.04526	0.00650	0.00004	0.00442	0.00141	0.00063		
D7		1.00000	0.75032	0.07009	0.00028	0.17028	0.00000	0.00252	0.00004	0.00491	0.00156	0.00000		
D8		1.00000	0.68022	0.06361	0.00025	0.20301	0.04054	0.00647	0.00004	0.00445	0.00141	0.00000		
E1		1.00000	0.43217	0.05059	0.00082	0.28941	0.21659	0.00111	0.00012	0.00694	0.00221	0.00003		
E2		1.00000	0.43079	0.05043	0.00082	0.28896	0.21862	0.00111	0.00012	0.00692	0.00220	0.00003		
DP		1.00000	0.49385	0.05496	0.00068	0.26819	0.17634	0.00086	0.00010	0.00380	0.00121	0.00002		
DT		1.00000	0.56845	0.06022	0.00051	0.24250	0.12768	0.00056	0.00007	0.00000	0.00000	0.00000		
DSM		1.00000	0.62442	0.07273	0.00119	0.28256	0.01523	0.00153	0.00018	0.00161	0.00054	0.00001		
REPS		1.00000	0.33492	0.45866	0.01858	0.13663	0.00442	0.00145	0.00179	0.04133	0.00386	0.00017		
<b>NC Retail Factors - TACOS Calculated:</b>														
LAB		1.00000	0.54851	0.06448	0.00135	0.22392	0.14626	0.00120	0.00018	0.00533	0.00871	0.00006		
NB_PLT		1.00000	0.56375	0.06385	0.00115	0.20895	0.12230	0.00146	0.00014	0.02083	0.01750	0.00007		
PTDG		1.00000	0.56594	0.06422	0.00118	0.20655	0.12004	0.00150	0.00014	0.02191	0.01845	0.00007		
RB_PLT_O_DI		1.00000	0.68313	0.08022	0.00215	0.09815	0.02453	0.00278	0.00022	0.05727	0.05137	0.00018		
RB_PLT_O_DI_CPREM		1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000	0.00000		
RB_PLT_O_DI_INTFRMS		1.00000	0.73339	0.07977	0.00156	0.14586	0.03040	0.00453	0.00020	0.00298	0.00131	0.00000		
RB_PLT_O_DI_METR		1.00000	0.70515	0.09253	0.00347	0.17445	0.02017	0.00381	0.00006	0.00000	0.00000	0.00035		
RB_PLT_O_DI_OH_LN		1.00000	0.80406	0.09965	0.00313	0.07458	0.01356	0.00198	0.00041	0.00126	0.00120	0.00017		
RB_PLT_O_DI_STLT		1.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	1.00000	0.00000		
RB_PLT_O_DI_SUB		1.00000	0.64004	0.05986	0.00024	0.19195	0.09562	0.00615	0.00003	0.00419	0.00133	0.00059		
RB_PLT_O_DI_UGI		1.00000	0.78107	0.09125	0.00241	0.10375	0.01485	0.00274	0.00031	0.00212	0.00127	0.00023		
RB_PLT_O_GN		1.00000	0.62352	0.07298	0.00172	0.16102	0.08373	0.00181	0.00020	0.02828	0.02663	0.00010		
RB_PLT_O_PR		1.00000	0.49385	0.05496	0.00068	0.26819	0.17634	0.00086	0.00010	0.00380	0.00121	0.00002		
RB_PLT_O_TR		1.00000	0.55853	0.05936	0.00052	0.24237	0.13821	0.00058	0.00008	0.00027	0.00009	0.00000		
TDPLT		1.00000	0.65681	0.07581	0.00181	0.12862	0.04855	0.00231	0.00019	0.04523	0.04053	0.00014		
WKT65		1.00000	0.44826	0.07927	0.00072	0.29402	0.12905	0.00240	0.00001	0.04886	-0.00266	0.00008		

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED												

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED													
OTHER TAXES													
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
INCOME TAX	PROD_DEMAND	53,532,442	26,551,561	3,268,389	26,900	15,085,813	8,557,930	37,949	3,899	0	0		
	PROD_ENERGY	8,104,148	3,502,387	409,997	6,644	2,345,398	1,755,313	9,010	999	56,278	17,886	236	
	TRANSMISSION	9,119,014	4,513,194	555,556	4,572	2,564,264	1,474,315	6,451	663	0	0		
	DIST_SUBS	3,881,142	2,484,094	232,315	916	744,984	371,099	23,875	135	16,252	5,165	2,508	
	DIST_PRIMARY	4,088,045	2,736,746	256,953	1,009	824,344	216,403	26,303	149	17,905	5,690	2,543	
	DIST_L_XFMR	3,157,407	2,134,852	200,282	787	640,671	141,997	20,295	116	13,967	4,439	0	
	DIST_SEC_SERV	4,382,836	996,984	93,136	368	226,258	0	3,351	54	1,525,646	1,537,039	0	
	CUSTOMER	17,950,435	15,123,923	2,015,169	75,682	669,588	28,133	13,319	7,993	0	15,697	1,019	
	Total	104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107	
	ADJ INVESTMENT TAX CREDITS	PROD_DEMAND	14,440,615	4,714,518	333,069	(1,784)	6,776,792	2,554,310	61,516	699	1,486	5	3
PROD_ENERGY		3,051,897	896,482	49,951	(586)	1,258,864	630,438	18,432	223	196,912	741	441	
TRANSMISSION		3,336,965	1,085,266	76,551	(394)	1,572,001	589,215	14,170	157	0	0		
DIST_SUBS		1,292,989	547,374	29,326	(73)	466,402	130,506	47,875	29	66,315	216	5,018	
DIST_PRIMARY		1,687,351	700,675	37,742	(95)	595,836	201,024	60,987	38	84,477	276	6,391	
DIST_L_XFMR		1,213,036	513,663	27,592	(68)	438,218	126,511	44,531	27	62,358	204	0	
DIST_SEC_SERV		7,377,135	249,780	13,381	(34)	170,150	0	7,608	14	6,871,440	64,797	0	
CUSTOMER		4,201,259	3,434,151	261,966	(6,381)	459,955	20,376	26,571	1,810	0	662	2,150	
Total		36,601,248	12,141,909	829,577	(9,415)	11,738,218	4,252,379	281,690	2,997	7,282,987	66,901	14,003	
TOTAL ADJ OPER EXPENSE		PROD_DEMAND	(1,563,276)	(775,369)	(95,445)	(786)	(440,542)	(249,912)	(1,108)	(114)	(0)	(0)	(0)
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)	
	TRANSMISSION	(161,808)	(79,569)	(9,795)	(81)	(45,209)	(27,030)	(114)	(12)	0	0	0	
	DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)	
	DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(69)	(217)	(69)	(31)	
	DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0	
	DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0	
	CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(0)	(162)	(11)	
	Total	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)	
	ADJ RETURN BEFORE INT ADJUSTMENTS	PROD_DEMAND	861,579,222	424,881,318	52,042,742	423,863	245,551,704	137,953,264	662,405	62,431	1,486	5	3
PROD_ENERGY		1,434,641,425	620,626,520	74,567,678	1,212,590	448,364,807	274,427,489	1,811,224	179,665	10,231,326	3,176,915	43,210	
TRANSMISSION		90,042,910	44,045,577	5,363,899	43,128	25,984,659	14,523,579	75,600	6,468	0	0	0	
DIST_SUBS		43,479,582	27,548,244	2,553,951	9,879	8,565,506	4,163,411	307,531	1,496	243,057	56,386	30,122	
DIST_PRIMARY		80,626,047	53,364,173	4,988,353	19,316	16,499,347	4,590,243	567,377	2,897	429,171	109,822	55,348	
DIST_L_XFMR		30,234,373	20,136,042	1,868,360	7,165	6,327,246	1,431,595	231,105	1,093	190,758	41,010	0	
DIST_SEC_SERV		69,511,306	17,525,255	1,626,959	6,334	4,091,239	0	65,696	951	25,151,766	21,043,107	0	
CUSTOMER		365,257,864	308,612,387	40,928,158	1,521,081	12,917,990	444,140	280,726	178,630	0	351,780	22,972	
Total		2,975,372,729	1,516,739,516	183,940,099	3,243,356	768,302,498	437,533,721	4,001,663	433,632	36,247,564	24,779,025	151,655	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED													
INTEREST ON CUST DEPOSITS - FUNCTIONALIZED													
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
PROD_DEMAND	(2,430,720)	(2,063,851)	(278,584)	(4,828)	(81,256)	(606)	(889)	(704)	(0)	(0)	(0)		
PROD_ENERGY	(2,881,850)	(2,433,843)	(322,318)	(11,479)	(109,611)	(828)	(1,654)	(1,638)	(0)	(392)	(88)		
TRANSMISSION	(279,151)	(236,698)	(31,477)	(510)	(10,175)	(82)	(128)	(79)	0	0	0		
DIST_SUBS	(166,066)	(146,923)	(14,921)	(119)	(3,434)	(22)	(494)	(18)	(0)	(23)	(111)		
DIST_PRIMARY	(290,243)	(256,816)	(26,394)	(215)	(5,777)	(27)	(778)	(32)	(0)	(29)	(174)		
DIST_L_XFMR	(128,491)	(113,682)	(11,523)	(89)	(2,746)	(11)	(407)	(14)	(0)	(18)	0		
DIST_SEC_SERV	(107,238)	(88,148)	(8,995)	(74)	(1,548)	0	(95)	(11)	(0)	(8,368)	0		
CUSTOMER	(1,687,230)	(1,551,715)	(211,704)	(16,706)	(4,644)	(3)	(371)	(1,918)	(0)	(102)	(68)		
Total	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)		



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED													
ADI NET PLANT IN SERV													
ADI NUCLEAR FUEL INVENTORY													
ADI ACCUM DEFERRED INC TAX													
ADI REGULATORY ASSETS													
TOTAL OPERATING RESERVES													
PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	NC				
									RETAIL	RES	SGS	SGSCLR	MGS
5,692,825,163	42,803,834	1,284,562,434	504,893,236	497,369,924	453,351,466	587,887,634	1,975,377,896	11,039,071,586	2,823,584,877	18,498,627	2,165,489	2,860,652	1,604,277,625
230,252,322	630,381,281	323,152,844	333,320,359	306,529,463	125,173,350	1,663,551,086	6,224,191,887	750,929,123	99,508,651	630,381,281	77,597,368	638,657	358,164,046
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,496,974	226,601	26,397	1,598,938	508,158	6,716	0	0	0
202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,496,974	226,601	26,397	1,598,938	508,158	6,716	0	0	0
PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)
(105,391,129)	(38,092,341)	(71,719,924)	(54,726,472)	(49,069,206)	(71,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(105,391,129)	(38,092,341)	(71,719,924)	(54,726,472)	(49,069,206)
(146,340,219)	(33,027,237)	(57,575,443)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(146,340,219)	(33,027,237)	(57,575,443)	(33,177,696)	(19,546,623)
(86,206,357)	(57,575,443)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(86,206,357)	(57,575,443)	(33,177,696)	(19,546,623)	(17,651,438)
(49,069,206)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)	(49,069,206)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)
(71,651,438)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)	(71,651,438)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)
(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)
PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	(692,208,464)	(340,058,688)	(41,964,979)	(330,311)	(195,050,048)
(105,391,129)	(38,092,341)	(71,719,924)	(54,726,472)	(49,069,206)	(71,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(105,391,129)	(38,092,341)	(71,719,924)	(54,726,472)	(49,069,206)
(146,340,219)	(33,027,237)	(57,575,443)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(146,340,219)	(33,027,237)	(57,575,443)	(33,177,696)	(19,546,623)
(86,206,357)	(57,575,443)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(86,206,357)	(57,575,443)	(33,177,696)	(19,546,623)	(17,651,438)
(49,069,206)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)	(49,069,206)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)
(71,651,438)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)	(71,651,438)	(33,177,696)	(19,546,623)	(17,651,438)	(316,318,658)
(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(862,656,269)	(316,318,658)	(1,521,911,942)	(862,656,269)	(862,656,269)	(862,656,269)
PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	(427,724,307)	(212,147,019)	(26,114,434)	(214,932)	(120,535,677)
(636,716,808)	(275,171,299)	(32,212,140)	(3,637,398)	(2,195,220)	(6,183,027)	(24,160)	(36,033,631)	(41,599,202)	(636,716,808)	(275,171,299)	(32,212,140)	(3,637,398)	(2,195,220)
(60,974,486)	(29,549,295)	(65,4175)	(61,179)	(196,188)	(97,727)	(6,287)	(10,088)	(1,214)	(60,974,486)	(29,549,295)	(65,4175)	(61,179)	(196,188)
(36,674,212)	(23,473,033)	(2,195,220)	(6,183,027)	(24,160)	(36,033,631)	(41,599,202)	(41,599,202)	(41,599,202)	(36,674,212)	(23,473,033)	(2,195,220)	(6,183,027)	(24,160)
99,055,580	65,542,976	15,764,077	1,472,648	5,811	8,959,527	59,667,071	769,288	235,636	99,055,580	65,542,976	15,764,077	1,472,648	5,811
(37,129,102)	(25,104,504)	(2,355,192)	(9,254)	(7,533,888)	(1,669,798)	0	188,163	190,848	(37,129,102)	(25,104,504)	(2,355,192)	(9,254)	(7,533,888)
(11,916,203)	(15,764,077)	(1,472,648)	(5,811)	(8,959,527)	(59,667,071)	(769,288)	(235,636)	(13,583,694)	(11,916,203)	(15,764,077)	(1,472,648)	(5,811)	(8,959,527)
317,404,942	270,178,455	36,033,631	1,353,251	5,811	8,959,527	59,667,071	769,288	235,636	317,404,942	270,178,455	36,033,631	1,353,251	5,811
478,759,019	336,382,956	41,599,202	1,642,428	64,813,745	59,667,071	769,288	235,636	(13,583,694)	478,759,019	336,382,956	41,599,202	1,642,428	64,813,745
PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)
(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(1,205)	(124,215)	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(5,176,718)
(1,712,824)	(849,544)	(654,175)	(61,179)	(196,188)	(97,727)	(6,287)	(10,088)	(1,214)	(1,712,824)	(849,544)	(654,175)	(61,179)	(196,188)
(1,022,081)	(1,049,672)	(144,707)	(30,651)	(42,019)	(9,950,862)	(8,395,373)	(3,641,842)	(69,122)	(1,022,081)	(1,049,672)	(144,707)	(30,651)	(42,019)
(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)	(1,575,655)
(214,019)	(144,707)	(30,651)	(42,019)	(9,950,862)	(8,395,373)	(3,641,842)	(69,122)	(12,691,493)	(214,019)	(144,707)	(30,651)	(42,019)	(9,950,862)
(897,266)	(328,101)	(118,887)	(121)	(74,460)	(357,509)	(13,482)	(7,550)	(62,708)	(897,266)	(328,101)	(118,887)	(121)	(74,460)
(9,950,862)	(8,395,373)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(9,950,862)	(8,395,373)	(3,641,842)	(69,122)	(12,691,493)
(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED													
ADI MATERIALS & SUPPLIES		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
PROD_DEMAND													
PROD_ENERGY		243,038,745	120,544,809	14,838,575	122,127	68,490,004	38,853,237	172,289	17,702	0	0	0	0
TRANSMISSION		146,793,638	63,440,129	7,426,437	120,342	42,483,126	31,794,672	163,208	18,099	1,019,377	323,968	4,282	4,282
DIST_SUBS		42,845,097	21,068,748	2,593,477	21,345	11,970,641	7,157,679	30,113	3,094	0	0	0	0
DIST_PRIMARY		21,533,833	13,782,556	1,288,957	5,080	4,133,413	2,058,978	132,464	748	90,173	28,658	12,806	12,806
DIST_L_XFMR		21,195,731	14,204,846	1,333,113	5,236	4,275,455	1,104,118	136,523	771	92,936	29,536	13,198	13,198
DIST_SEC_SERV		19,356,881	13,087,979	1,227,855	4,824	3,927,716	870,532	124,422	710	85,629	27,214	0	0
CUSTOMER		25,082,438	5,336,414	498,517	1,967	1,211,059	0	17,935	290	9,437,689	8,578,567	4,480	4,480
Total		83,848,677	70,609,937	9,407,550	353,319	3,170,340	137,972	61,743	35,261	0	68,077	4,480	4,480
Total		603,695,041	322,075,419	38,614,481	634,241	139,661,753	81,977,188	838,696	76,675	10,725,803	9,056,019	34,766	34,766
ADI CASH WORK CAPITAL													
PROD_DEMAND		66,625,467	20,492,493	2,163,716	(19,278)	27,606,125	16,325,845	59,429	(2,861)	0	(1)	(1)	(1)
PROD_ENERGY		(41,564,878)	(35,345,199)	(4,684,719)	(167,417)	(1,433,442)	11,4956	(23,556)	(23,883)	4,074	(4,437)	(1,276)	(1,276)
TRANSMISSION		14,234,625	5,514,257	644,546	1,628	4,951,266	3,111,816	10,951	162	0	0	0	0
DIST_SUBS		1,729,541	512,640	30,671	(758)	747,993	397,303	18,357	(123)	17,414	5,195	849	849
DIST_PRIMARY		(140,741)	(1,005,713)	(127,908)	(2,134)	743,428	213,562	15,051	(322)	17,996	5,293	7	7
DIST_L_XFMR		1,844,751	855,261	67,694	(379)	715,496	167,318	17,979	(69)	16,474	4,977	0	0
DIST_SEC_SERV		3,269,470	(257,271)	(35,156)	(696)	211,566	0	2,086	(106)	1,815,166	1,533,881	0	0
CUSTOMER		(8,222,464)	(7,374,129)	(1,249,949)	(175,000)	552,404	26,771	6,677	(21,093)	0	11,963	(108)	(108)
Total		37,775,771	(16,607,661)	(3,191,104)	(364,035)	34,094,835	20,357,571	106,993	(48,293)	1,871,124	1,556,870	(529)	(529)
ADJUSTED RATE BASE													
PROD_DEMAND		4,833,748,927	2,388,208,350	293,514,756	2,393,732	1,371,033,687	774,736,624	3,459,606	347,076	41,087	13,840	169	169
PROD_ENERGY		891,723,275	375,450,763	32,399,707	1,39,657	272,514,359	202,718,715	1,015,687	48,812	5,444,241	1,969,549	21,785	21,785
TRANSMISSION		1,132,614,627	554,845,523	68,264,988	558,170	317,065,084	191,003,943	796,085	80,833	0	0	0	0
DIST_SUBS		435,733,845	278,293,595	26,009,000	101,636	84,054,986	41,895,039	2,688,106	14,954	1,834,807	582,780	258,943	258,943
DIST_PRIMARY		529,698,482	353,437,352	33,160,585	128,519	107,560,700	28,562,251	3,421,597	18,915	2,336,954	742,279	329,330	329,330
DIST_L_XFMR		388,140,771	262,045,795	24,571,416	95,899	79,099,050	17,540,114	2,500,999	14,107	1,725,324	548,066	0	0
DIST_SEC_SERV		531,774,634	126,141,846	11,772,790	45,896	28,896,883	0	426,900	6,755	190,119,774	174,363,790	0	0
CUSTOMER		2,042,139,531	1,721,111,659	229,065,682	8,474,889	76,102,895	3,119,505	1,490,397	885,103	0	1,778,712	110,690	110,690
Total		10,785,574,092	6,059,534,884	718,758,923	11,938,400	2,336,327,644	1,259,576,191	15,799,377	1,416,554	201,502,187	1,79,999,015	720,916	720,916
RATE OF RETURN													
PROD_DEMAND		3.19%	2.74%	2.53%	1.57%	3.98%	3.41%	8.18%	2.35%	14.64%	2.12%	8.49%	8.49%
PROD_ENERGY		3.28%	2.74%	2.53%	1.57%	3.84%	3.35%	8.18%	2.35%	14.64%	2.12%	8.49%	8.49%
TRANSMISSION		3.18%	2.74%	2.53%	1.57%	3.98%	3.34%	8.18%	2.35%	N/A	N/A	N/A	N/A
DIST_SUBS		3.15%	2.74%	2.53%	1.57%	4.19%	3.35%	8.18%	2.35%	14.64%	2.12%	8.49%	8.49%
DIST_PRIMARY		3.22%	2.74%	2.53%	1.57%	4.18%	4.72%	8.18%	2.35%	14.64%	2.12%	8.49%	8.49%
DIST_L_XFMR		3.20%	2.74%	2.53%	1.57%	4.19%	4.78%	8.18%	2.35%	14.64%	2.12%	N/A	N/A
DIST_SEC_SERV		6.87%	2.74%	2.53%	1.57%	4.31%	N/A	8.18%	2.35%	14.64%	2.12%	N/A	N/A
CUSTOMER		2.78%	2.74%	2.53%	1.57%	4.36%	4.54%	8.18%	2.35%	14.64%	2.12%	8.49%	8.49%
Total		3.30%	2.74%	2.53%	1.57%	4.00%	3.44%	8.18%	2.35%	14.64%	2.12%	8.49%	8.49%

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

UNIT DETAIL - REVENUES												
TOTAL FUNCTIONALIZED REVENUES												
PROD_DEMAND	1,018,186,487	492,389,955	59,760,249	466,235	300,203,210	164,341,296	946,431	71,295	7,499	299	18	
PROD_ENERGY	1,466,813,175	633,342,106	75,711,143	1,226,260	458,935,957	281,226,923	1,896,002	182,451	11,028,113	3,219,073	45,148	
TRANSMISSION	126,329,757	59,487,013	7,125,504	52,392	38,613,367	20,902,152	140,880	8,448	0	0	0	
DIST_SUBS	57,381,982	35,323,015	3,228,051	11,592	12,089,525	5,567,336	528,021	1,865	511,589	68,768	52,219	
DIST_PRIMARY	97,960,545	63,308,456	5,855,179	21,547	21,005,088	5,938,450	848,181	3,374	771,194	125,592	83,485	
DIST_L_XFMR	42,788,128	27,432,238	2,502,627	8,759	9,640,814	2,270,139	436,196	1,438	443,266	52,650	0	
DIST_SEC_SERV	106,177,397	21,070,862	1,934,327	7,127	5,337,613	0	100,728	1,121	52,976,575	24,749,043	0	
CUSTOMER	423,736,812	357,265,520	46,945,369	1,670,706	16,242,881	585,870	403,072	201,356	0	389,601	32,438	
Total	3,339,374,283	1,689,619,166	203,062,449	3,464,617	862,068,456	480,832,166	5,299,511	471,349	65,738,236	28,605,026	213,307	
TOTAL SALES OF ELECTRICITY												
PROD_DEMAND	1,012,536,273	488,762,345	59,290,118	459,927	299,191,410	163,811,054	943,227	70,376	7,499	299	18	
PROD_ENERGY	1,454,178,786	630,506,341	74,836,945	1,194,291	458,369,141	276,810,774	1,892,480	178,850	8,916,181	1,428,913	44,870	
TRANSMISSION	119,070,709	55,794,531	6,668,724	48,391	36,634,926	19,780,468	135,805	7,863	0	0	0	
DIST_SUBS	56,323,232	34,606,303	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817	507,824	67,549	51,577	
DIST_PRIMARY	93,841,055	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,397	84,969	80,932	
DIST_L_XFMR	41,854,618	26,775,283	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	439,683	51,494	0	
DIST_SEC_SERV	105,026,306	20,763,494	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	24,382,775	0	
CUSTOMER	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	0	296,024	31,447	
Total	3,288,028,386	1,659,256,980	198,723,047	3,332,664	856,838,293	474,455,254	5,238,851	455,255	63,207,175	26,312,023	208,845	
NON REQ'T SALES REVENUE												
PROD_DEMAND	4,817,627	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0	
PROD_ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793	
TRANSMISSION	45,117	22,377	2,755	23	12,714	7,213	32	3	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	134,915,331	58,616,985	6,876,382	109,061	39,008,501	28,946,034	148,042	16,389	903,123	287,021	3,793	
FUNCT REQ'TS RATE SCHED REV												
PROD_DEMAND	1,007,718,646	486,372,850	58,995,981	457,506	297,833,769	163,040,887	939,812	70,025	7,499	299	18	
PROD_ENERGY	1,324,126,198	574,301,228	68,257,455	1,087,673	420,730,995	248,642,120	1,747,885	162,814	8,013,059	1,141,892	41,077	
TRANSMISSION	119,025,592	55,772,154	6,665,970	48,368	36,622,212	19,773,256	135,773	7,860	0	0	0	
DIST_SUBS	56,323,232	34,606,303	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817	507,824	67,549	51,577	
DIST_PRIMARY	93,841,055	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,397	84,969	80,932	
DIST_L_XFMR	41,854,618	26,775,283	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	439,683	51,494	0	
DIST_SEC_SERV	105,026,306	20,763,494	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	24,382,775	0	
CUSTOMER	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	0	296,024	31,447	
Total	3,153,113,055	1,600,639,995	191,846,665	3,223,603	817,829,792	445,509,220	5,090,809	438,866	62,304,052	26,025,002	205,051	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																			
										NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
										RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS
PRODUCTION O&M EXPENSE:																			
FUEL & PURCHASED POWER:																			
OM PROD ENERGY - FUEL																			
PROD_DEMAND	0	0	0	0	0	0	0	0	0										
PROD_ENERGY	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176								
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176								
OM NC REPS RECS EXPENSE																			
PROD_DEMAND	0	0	0	0	0	0	0	0	0										
PROD_ENERGY	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065								
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
Total	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065								
OM DEFERRED FUEL EXPENSE																			
PROD_DEMAND	0	0	0	0	0	0	0	0	0										
PROD_ENERGY	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)								
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
Total	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)								
OM PROD PURCHASES - CAPACITY COST																			
PROD_DEMAND	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0								
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0								
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
Total	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0								

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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OM PROD PURCHASES - ENERGY COST

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658

TOTAL FUEL, DEF. FUEL & PURCH POWER

PROD_DEMAND	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0
PROD_ENERGY	973,125,414	419,135,410	56,800,476	1,127,395	278,922,952	206,288,921	1,087,793	150,911	7,400,578	2,180,116	30,863
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,040,405,347	452,505,590	60,908,210	1,161,204	297,882,903	217,044,585	1,135,487	155,812	7,400,578	2,180,116	30,863

OM PROD FIXED O&M

PROD_DEMAND	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0

ENERGY RELATED:

OM PROD VARIABLE O&M

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
OM OTHER EXPENSES - DSM REL	PROD_DEMAND	33,940,706	21,193,284	2,468,646	40,418	9,590,187	516,872	51,763	6,085	54,773	18,452	226
	PROD_ENERGY	33,940,706	21,193,284	2,468,646	40,418	9,590,187	516,872	51,763	6,085	54,773	18,452	226
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	67,881,412	42,386,568	4,937,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452
OM PROD VARIABLE O&M-DERP REL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION O&M-ENERGY	PROD_DEMAND	33,940,706	21,193,284	2,468,646	40,418	9,590,187	516,872	51,763	6,085	54,773	18,452	226
	PROD_ENERGY	312,940,499	141,769,237	16,583,524	269,142	90,334,717	60,946,649	361,960	40,485	1,992,228	634,193	8,364
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590
TOTAL PRODUCTION O&M	PROD_DEMAND	294,887,403	150,620,261	18,400,579	171,544	83,126,777	42,232,953	236,748	25,092	54,773	18,452	226
	PROD_ENERGY	1,286,065,914	560,904,647	73,384,000	1,396,538	369,257,669	267,235,569	1,449,753	191,396	9,392,806	2,814,309	39,227
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	1,580,953,317	711,524,907	91,784,580	1,568,081	452,384,445	309,468,522	1,686,500	216,488	9,447,579	2,832,761	39,453

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

TRANSMISSION O&M EXPENSE:  
OM TRANSMISSION EXP - TRANS

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0

OM TRANS EXP - OTH PROD RELATED

PROD_DEMAND	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0

TOTAL TRANSMISSION O&M

PROD_DEMAND	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	22,653,573	11,235,948	1,383,099	11,383	6,383,934	3,621,499	16,059	1,650	0	0	0

DISTRIBUTION O&M EXPENSE:  
OM OVERHEAD LINES

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	25,128,992	16,687,436	1,571,911	6,151	5,054,939	1,487,885	160,383	906	109,178	34,698	15,505
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	6,203,359	4,654,500	434,814	1,716	1,056,303	0	15,643	253	30,452	9,678	0
CUSTOMER	79,202,344	67,534,693	9,007,652	338,296	2,132,285	10,617	42,586	43,898	88,809	88,809	3,509
Total	110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014

**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OM UNDERGROUND LINES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	3,851,357	2,603,647	243,495	960	778,914	174,307	25,024	141	17,034	5,414	2,419	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	1,620,181	1,215,653	113,564	448	275,883	0	4,086	66	7,953	2,528	0	0	0
	CUSTOMER	6,315,702	5,387,342	718,530	26,986	168,107	734	3,173	3,502	0	7,084	243	0	0
	Total	11,787,240	9,206,643	1,075,590	28,394	1,222,905	175,042	32,282	3,709	24,988	15,026	2,662	0	0
OM LINE TRANSFORMERS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	672,526	454,722	42,660	168	136,463	30,245	4,323	25	2,975	945	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	324,172	276,243	36,846	1,384	8,911	50	194	180	0	363	2	0	2
	Total	996,698	730,965	79,506	1,551	145,374	30,295	4,517	204	2,975	1,309	2	0	2
OM METER EXPENSE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304	0	2,304
	Total	6,592,285	4,648,542	609,998	22,895	1,150,055	132,962	25,136	392	0	0	2,304	0	2,304
OM STREET LIGHTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	7,164,040	0	0	0	0	0	0	0	0	7,164,040	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	7,164,040	0	0	0	0	0	0	0	0	7,164,040	0	0	0

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OM DISTRIBUTION RENTS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	474,886	315,358	29,706	116	95,528	28,118	3,031	17	2,063	656	293	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	117,231	87,960	8,217	32	19,962	0	296	5	575	183	0	0
CUSTOMER	1,496,760	1,276,266	170,226	6,393	40,296	201	805	830	0	1,678	66	0
Total	2,088,877	1,679,584	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359	0
OM LOAD DISPATCH												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414	0
OM DISTRIBUTION EXP - MISC & SUPERVISION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	2,868,850	1,836,184	171,722	677	550,675	274,308	17,648	100	12,013	3,818	1,706	0
DIST_PRIMARY	2,817,820	1,888,498	177,231	696	568,397	146,707	18,150	102	12,356	3,927	1,755	0
DIST_L_XFMR	2,586,230	1,748,656	164,051	645	524,773	116,310	16,624	95	11,441	3,636	0	0
DIST_SEC_SERV	3,344,695	710,159	66,342	262	161,165	0	2,387	39	1,261,257	1,143,085	0	0
CUSTOMER	11,031,208	9,288,580	1,237,528	46,478	418,082	18,293	8,131	4,619	0	8,910	588	0
Total	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049	0
OM CUSTOMER INSTALLATIONS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0	0

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
OM SUBSTATIONS													
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968		
OM DISTRIBUTION EXP - DSM/EE													
PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21		
TOTAL DISTRIBUTION O&M													
PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	10,237,860	6,552,660	612,811	2,415	1,965,154	978,903	62,978	356	42,871	13,625	6,088		
DIST_PRIMARY	32,273,055	21,494,940	2,022,344	7,923	6,497,778	1,837,018	206,588	1,167	140,631	44,694	19,972		
DIST_L_XFMR	3,258,756	2,203,378	206,711	812	661,236	146,555	20,947	120	14,416	4,581	0		
DIST_SEC_SERV	22,974,727	6,668,273	622,936	2,458	1,513,314	0	22,411	362	5,825,459	8,319,514	0		
CUSTOMER	104,962,472	88,411,665	11,780,781	442,432	3,917,736	162,857	80,025	53,420	0	106,845	6,711		
Total	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792		



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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
CUST. ACCOUNTING EXPENSE:												
OM METER READING												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	0	274
Total	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	0	274
OM CUST ACCT EXP - MISC												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	0	1,177	58
Total	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	0	1,177	58
OM UNCOLLECTIBLES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495	
Total	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495	
OM CUSTOMER RECORDS, EXCL REPS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922	
Total	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922	
TOTAL CUST ACCT EXPENSE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749	
Total	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749	

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
CUST. SERV & INFO EXPENSE:													
OM CUST SERV & INFO - CUST ASSIST													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177	177
Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177	177
TOTAL CUST SERV & INFO EXP													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177	177
Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177	177
TOTAL SALES EXPENSE													
PROD_DEMAND	692	432	50	1	196	11	1	0	1	0	0	0	0
PROD_ENERGY	692	432	50	1	196	11	1	0	1	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378	378	378
Total	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378	378	378
A&G REGULATORY EXPENSE:													
OM REGULATORY FEE - NCRETAIL													
PROD_DEMAND	2,360,442	1,170,756	144,115	1,186	665,189	377,351	1,673	172	0	0	0	0	0
PROD_ENERGY	1,848,328	798,796	93,509	1,515	534,919	400,337	2,055	228	12,835	4,079	54	54	54
TRANSMISSION	188,533	93,511	11,511	95	53,130	30,140	134	14	0	0	0	0	0
DIST_SUBS	112,502	72,006	6,734	27	21,595	10,757	692	4	471	150	67	67	67
DIST_PRIMARY	173,435	115,539	10,869	43	34,921	9,842	1,110	6	756	240	107	107	107
DIST_L_XFMR	23,557	15,928	1,494	6	4,780	1,059	151	1	104	33	0	0	0
DIST_SEC_SERV	98,763	36,115	3,374	13	8,196	0	121	2	8,258	42,684	0	0	0
CUSTOMER	1,095,306	924,091	123,158	4,625	39,352	1,484	831	564	0	1,129	73	73	73
Total	5,900,866	3,226,741	394,764	7,510	1,362,082	830,970	6,768	990	22,425	48,316	301	301	301
OM REGULATORY EXPENSE-SECRETAIL													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OM REGULATORY EXPENSE-TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,136,830	563,856	69,408	571	320,367	181,739	806	83	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,136,830	563,856	69,408	571	320,367	181,739	806	83	0	0	0	0
TOTAL ADM & GEN REG EXPENSE												
PROD_DEMAND	2,360,442	1,170,756	144,115	1,186	665,189	377,351	1,673	172	0	0	0	0
PROD_ENERGY	1,848,328	798,796	93,509	1,515	534,919	400,337	2,055	228	12,835	4,079	0	54
TRANSMISSION	1,325,363	657,367	80,919	666	373,496	211,878	940	97	0	0	0	0
DIST_SUBS	112,502	72,006	6,734	27	21,595	10,757	692	4	471	150	67	0
DIST_PRIMARY	173,435	115,539	10,869	43	34,921	9,842	1,110	6	756	240	107	0
DIST_L_XFMR	23,557	15,928	1,494	6	4,780	1,059	151	1	104	33	0	0
DIST_SEC_SERV	98,763	36,115	3,374	13	8,196	0	121	2	8,258	42,684	1,129	73
CUSTOMER	1,095,306	924,091	123,158	4,625	39,352	1,484	831	564	0	0	1,129	0
Total	7,037,696	3,790,597	464,172	8,081	1,682,448	1,012,709	7,574	1,073	22,425	48,316	301	301
OTHER A&G EXPENSE:												
OM A&G LABOR RELATED & MISC												
PROD_DEMAND	95,165,305	47,201,048	5,810,257	47,821	26,818,243	15,213,542	67,462	6,932	0	0	0	0
PROD_ENERGY	74,518,549	32,204,845	3,769,968	61,090	21,566,199	16,140,296	82,851	9,188	517,478	164,459	2,174	0
TRANSMISSION	7,601,036	3,770,039	464,076	3,820	2,142,025	1,215,135	5,388	554	0	0	0	0
DIST_SUBS	4,535,713	2,903,047	271,496	1,070	870,629	433,687	27,901	158	18,993	6,036	2,697	0
DIST_PRIMARY	6,992,317	4,658,152	438,221	1,717	1,407,910	396,805	44,769	253	30,476	9,686	4,328	0
DIST_L_XFMR	949,757	642,170	60,245	237	192,716	42,713	6,105	35	4,201	1,335	0	0
DIST_SEC_SERV	3,981,817	1,456,020	136,018	537	330,433	0	4,894	79	332,944	1,720,892	45,533	0
CUSTOMER	44,159,158	37,256,330	4,965,309	186,469	1,586,526	59,828	33,505	22,730	904,093	1,947,941	12,127	0
Total	237,903,652	130,091,650	15,915,591	302,761	54,914,680	33,502,006	272,875	39,927	0	0	0	0
OM A&G LABOR RELATED - DSM/EE												
PROD_DEMAND	543,202	339,187	39,509	647	153,486	8,272	828	97	877	295	4	4
PROD_ENERGY	543,202	339,187	39,509	647	153,486	8,272	828	97	877	295	4	4
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7	7
OM A&G LABOR RELATED - DERP												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE															
OM A&G ALL PLANT RELATED															
PROD_DEMAND	2,587,216	1,283,233	157,961	1,300	729,095	413,604	1,834	188	0	0	0	0	0	0	0
PROD_ENERGY	12,190	5,268	617	10	3,528	2,640	14	2	85	27	0	0	0	0	0
TRANSMISSION	395,802	194,632	23,958	197	110,584	66,122	278	29	0	0	0	0	0	0	0
DIST_SUBS	198,929	127,323	11,907	47	38,184	19,021	1,224	7	833	265	0	0	0	118	118
DIST_PRIMARY	195,805	131,224	12,315	48	39,497	10,200	1,261	7	859	273	0	0	0	122	122
DIST_L_XFMR	178,818	120,906	11,343	45	36,284	8,042	1,149	7	791	251	0	0	0	0	0
DIST_SEC_SERV	231,711	49,298	4,605	18	11,188	0	166	3	87,185	79,249	0	0	0	0	0
CUSTOMER	774,591	652,292	86,907	3,264	29,287	1,275	570	326	0	0	629	41	282	41	41
Total	4,575,062	2,564,177	309,613	4,929	997,648	520,903	6,496	568	89,752	80,693	0	0	0	0	0
OM A&G GENERAL PLT RELATED															
PROD_DEMAND	89,922	44,600	5,490	45	25,341	14,375	64	7	0	0	0	0	0	0	0
PROD_ENERGY	52,397	22,645	2,651	43	15,164	11,349	58	6	364	116	0	0	0	2	2
TRANSMISSION	63,046	31,024	3,819	31	17,627	10,495	44	5	0	0	0	0	0	0	0
DIST_SUBS	32,173	20,592	1,926	8	6,176	3,076	198	1	135	43	0	0	0	19	19
DIST_PRIMARY	33,385	22,355	2,099	8	6,732	1,761	215	1	146	46	0	0	0	21	21
DIST_L_XFMR	26,796	18,118	1,700	7	5,437	1,205	172	1	119	38	0	0	0	0	0
DIST_SEC_SERV	36,591	8,198	766	3	1,861	0	28	0	12,976	12,758	0	0	0	0	0
CUSTOMER	165,304	139,470	18,586	698	5,967	231	119	75	0	0	148	9	51	9	9
Total	499,614	307,003	37,036	843	84,304	42,494	898	97	13,740	13,149	0	0	0	0	0
TOTAL ADM & GEN PLT EXPENSE															
PROD_DEMAND	98,385,645	48,868,069	6,013,217	49,813	27,726,165	15,649,793	70,189	7,224	877	295	0	0	0	4	4
PROD_ENERGY	75,126,339	32,571,945	3,812,745	61,790	21,738,377	16,162,558	83,751	9,293	518,803	164,897	0	0	0	2,179	2,179
TRANSMISSION	8,059,884	3,995,695	491,854	4,048	2,270,236	1,291,753	5,711	587	0	0	0	0	0	0	0
DIST_SUBS	4,766,815	3,050,961	285,329	1,125	914,989	455,784	29,323	166	19,961	6,344	0	0	0	2,835	2,835
DIST_PRIMARY	7,221,507	4,811,730	452,635	1,774	1,454,139	408,766	46,245	261	31,481	10,005	0	0	0	4,471	4,471
DIST_L_XFMR	1,155,371	781,194	73,288	288	234,437	51,960	7,426	42	5,111	1,624	0	0	0	0	0
DIST_SEC_SERV	4,250,118	1,513,516	141,390	558	343,481	0	5,087	82	433,105	1,812,899	0	0	0	0	0
CUSTOMER	45,099,053	38,048,093	5,070,802	190,431	1,621,780	61,334	34,195	23,131	0	46,309	0	0	0	2,979	2,979
Total	244,064,732	133,641,204	16,341,259	309,827	56,303,604	34,081,947	281,927	40,786	1,009,338	2,042,374	0	0	0	12,467	12,467
TOTAL ADMIN AND GEN EXPENSE															
PROD_DEMAND	100,746,087	50,038,825	6,157,332	50,999	28,391,354	16,027,144	71,862	7,396	877	295	0	0	0	4	4
PROD_ENERGY	76,974,667	33,370,741	3,906,253	63,306	22,273,297	16,562,895	85,806	9,521	531,639	168,976	0	0	0	2,233	2,233
TRANSMISSION	9,385,247	4,653,062	572,773	4,714	2,643,733	1,503,631	6,650	683	0	0	0	0	0	0	0
DIST_SUBS	4,879,317	3,122,967	292,063	1,151	936,583	466,541	30,015	169	20,432	6,494	0	0	0	2,902	2,902
DIST_PRIMARY	7,394,942	4,927,269	463,505	1,816	1,489,060	418,609	47,356	267	32,237	10,245	0	0	0	4,578	4,578
DIST_L_XFMR	1,178,929	797,122	74,782	294	239,217	53,020	7,578	43	5,215	1,657	0	0	0	0	0
DIST_SEC_SERV	4,348,882	1,549,631	144,763	571	351,677	0	5,208	84	441,363	1,855,584	0	0	0	0	0
CUSTOMER	46,194,359	38,972,184	5,193,959	195,056	1,661,132	62,818	35,026	23,695	0	47,438	0	0	0	3,051	3,051
Total	251,102,428	137,431,801	16,805,431	317,907	57,986,052	35,094,656	289,501	41,859	1,031,763	2,090,690	0	0	0	12,768	12,768
BOOK O&M EXPENSE															
PROD_DEMAND	398,961,377	202,512,645	24,779,551	225,303	112,457,138	58,563,537	312,258	32,898	58,200	19,606	0	0	0	240	240
PROD_ENERGY	1,364,620,894	595,262,168	77,405,196	1,461,725	391,977,494	283,822,531	1,537,969	201,201	9,926,995	2,984,144	0	0	0	41,471	41,471
TRANSMISSION	30,291,246	15,022,231	1,849,175	15,219	8,535,188	4,845,755	21,471	2,206	0	0	0	0	0	0	0
DIST_SUBS	15,117,177	9,675,627	904,874	3,567	2,901,737	1,445,443	92,992	525	63,303	20,118	0	0	0	8,990	8,990
DIST_PRIMARY	39,667,996	26,422,209	2,485,848	9,740	7,986,838	2,255,627	253,943	1,434	172,868	54,939	0	0	0	24,550	24,550
DIST_L_XFMR	4,437,685	3,000,500	281,493	1,106	900,453	199,575	28,524	163	19,631	6,239	0	0	0	0	0
DIST_SEC_SERV	27,323,608	8,217,904	767,700	3,029	1,864,991	0	27,619	446	6,266,822	10,175,097	0	0	0	0	0
CUSTOMER	210,804,128	178,211,625	23,754,471	892,095	7,219,761	238,650	151,096	107,778	0	215,586	0	0	0	13,067	13,067
Total	2,091,224,112	1,038,324,909	132,228,309	2,611,784	533,843,600	351,371,118	2,425,874	346,651	16,507,819	13,475,730	0	0	0	88,317	88,317

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

O&M ADJUSTMENTS:

ADJOM FUEL CLAUSE - FUEL REL

ADJOM FUEL CLAUSE - REM ENERGY

ADJOM DEFERRED FUEL

TOTAL FUEL ADJUSTMENTS

ADJOM PUR CAP COST ADJ

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)
PROD_DEMAND	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																	
TOTAL PURCHASE POWER ADJ.																	
	NC		NC		NC		NC		NC		NC			NC		NC	
	RETAIL		RES		SGS		SGCLR		MGS		LGS		SI	TSS	ALS	SLS	SFL
PROD_DEMAND	(1,965,181)		(974,710)		(119,983)		(988)		(553,802)		(314,162)		(1,393)	(143)	(0)	(0)	(0)
PROD_ENERGY	0		0		0		0		0		0		0	0	0	0	0
TRANSMISSION	0		0		0		0		0		0		0	0	0	0	0
DIST_SUBS	0		0		0		0		0		0		0	0	0	0	0
DIST_PRIMARY	0		0		0		0		0		0		0	0	0	0	0
DIST_L_XFMR	0		0		0		0		0		0		0	0	0	0	0
DIST_SEC_SERV	0		0		0		0		0		0		0	0	0	0	0
CUSTOMER	0		0		0		0		0		0		0	0	0	0	0
Total	(1,965,181)		(974,710)		(119,983)		(988)		(553,802)		(314,162)		(1,393)	(143)	(0)	(0)	(0)
PROD_DEMAND	(346,977)		(138,885)		(12,822)		(89)		(93,977)		(100,899)		(297)	(7)	(0)	0	0
PROD_ENERGY	(284,574)		(94,836)		(8,320)		(114)		(73,888)		(107,011)		(364)	(10)	(50)	17	1
TRANSMISSION	(27,714)		(11,093)		(1,024)		(7)		(7,506)		(8,059)		(24)	(1)	0	0	0
DIST_SUBS	(15,293)		(8,539)		(599)		(2)		(3,154)		(2,876)		(123)	(0)	(2)	1	1
DIST_PRIMARY	(22,647)		(13,702)		(967)		(3)		(5,095)		(2,682)		(197)	(0)	(3)	1	2
DIST_L_XFMR	(3,037)		(1,889)		(133)		(0)		(698)		(290)		(27)	(0)	(0)	0	0
DIST_SEC_SERV	(5,684)		(4,283)		(300)		(1)		(1,219)		0		(22)	(0)	(32)	173	0
CUSTOMER	(127,273)		(109,496)		(10,958)		(347)		(5,903)		(405)		(147)	(24)	(0)	5	1
Total	(833,199)		(382,722)		(35,123)		(563)		(191,441)		(222,221)		(1,200)	(42)	(87)	196	4
PROD_DEMAND	0		0		0		0		0		0		0	0	0	0	0
PROD_ENERGY	(18,180,184)		(12,619,830)		(4,765,854)		(77,228)		(504,016)		(213,256)		0	0	0	0	0
TRANSMISSION	0		0		0		0		0		0		0	0	0	0	0
DIST_SUBS	0		0		0		0		0		0		0	0	0	0	0
DIST_PRIMARY	0		0		0		0		0		0		0	0	0	0	0
DIST_L_XFMR	0		0		0		0		0		0		0	0	0	0	0
DIST_SEC_SERV	0		0		0		0		0		0		0	0	0	0	0
CUSTOMER	0		0		0		0		0		0		0	0	0	0	0
Total	(18,180,184)		(12,619,830)		(4,765,854)		(77,228)		(504,016)		(213,256)		0	0	0	0	0
PROD_DEMAND	(104,445)		(73,208)		(27,309)		(198)		(2,660)		(1,069)		0	0	0	0	0
PROD_ENERGY	(71,190)		(49,953)		(17,720)		(253)		(2,132)		(1,132)		0	0	0	0	0
TRANSMISSION	(8,342)		(5,847)		(2,181)		(16)		(87)		(85)		0	0	0	0	0
DIST_SUBS	(5,900)		(4,502)		(1,276)		(4)		(30)		(29)		0	0	0	0	0
DIST_PRIMARY	(9,461)		(7,224)		(2,060)		(7)		(140)		(29)		0	0	0	0	0
DIST_L_XFMR	(1,302)		(996)		(283)		(1)		(19)		(3)		0	0	0	0	0
DIST_SEC_SERV	(2,933)		(2,258)		(639)		(2)		(33)		0		0	0	0	0	0
CUSTOMER	(82,052)		(57,777)		(23,338)		(773)		(159)		(4)		0	0	0	0	0
Total	(285,625)		(201,767)		(74,807)		(1,255)		(5,443)		(2,354)		0	0	0	0	0
PROD_DEMAND	0		0		0		0		0		0		0	0	0	0	0
PROD_ENERGY	2,857,405		(1,917,498)		261,769		9,831		3,845,022		584,590		84,490	1,302	0	(12,495)	396
TRANSMISSION	0		0		0		0		0		0		0	0	0	0	0
DIST_SUBS	0		0		0		0		0		0		0	0	0	0	0
DIST_PRIMARY	0		0		0		0		0		0		0	0	0	0	0
DIST_L_XFMR	0		0		0		0		0		0		0	0	0	0	0
DIST_SEC_SERV	0		0		0		0		0		0		0	0	0	0	0
CUSTOMER	0		0		0		0		0		0		0	0	0	0	0
Total	2,857,405		(1,917,498)		261,769		9,831		3,845,022		584,590		84,490	1,302	0	(12,495)	396

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJOM NCUC FEE - CUSTOMER GROWTH												
PROD_DEMAND	12,484	(11,171)	1,500	25	18,317	3,468	341	3	0	0	(0)	0
PROD_ENERGY	11,695	(7,614)	973	32	14,319	3,612	419	5	0	0	(53)	2
TRANSMISSION	997	(892)	120	2	1,463	277	27	0	0	0	0	2
DIST_SUBS	242	(687)	70	1	620	97	141	0	0	0	(2)	3
DIST_PRIMARY	362	(1,103)	113	1	1,001	122	227	0	0	0	(3)	4
DIST_L_XFMR	45	(152)	16	0	137	14	31	0	0	0	(0)	0
DIST_SEC_SERV	(602)	(345)	35	0	241	0	25	0	0	0	(558)	0
CUSTOMER	(6,097)	(8,832)	1,282	98	1,167	19	170	11	0	0	(15)	3
Total	19,125	(30,796)	4,109	160	37,265	7,609	1,381	20	0	0	(632)	12
ADJOM REMOVE REPS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)	0
ADJOM REMOVE DSM												
PROD_DEMAND	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)	(240)
PROD_ENERGY	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)	(240)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(72,128,445)	(45,038,504)	(5,246,195)	(85,893)	(20,380,404)	(1,098,421)	(110,004)	(12,932)	(116,400)	(39,212)	(480)	(480)
ADJOM REMOVE DSM - PLANT RELATED												
PROD_DEMAND	(271,351)	(134,587)	(16,567)	(136)	(76,469)	(43,379)	(192)	(20)	(0)	(0)	(0)	(0)
PROD_ENERGY	(1,278)	(553)	(65)	(1)	(370)	(277)	(1)	(0)	(9)	(3)	(0)	(0)
TRANSMISSION	(41,512)	(20,413)	(2,513)	(21)	(11,598)	(6,935)	(29)	(3)	0	0	0	0
DIST_SUBS	(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)	(12)
DIST_PRIMARY	(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)	(13)
DIST_L_XFMR	(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0	0
DIST_SEC_SERV	(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0	0
CUSTOMER	(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)	(4)
Total	(479,839)	(268,935)	(32,473)	(517)	(104,635)	(54,633)	(681)	(60)	(9,413)	(8,463)	(30)	(30)
TOTAL DSM RELATED ADJ TO O&M												
PROD_DEMAND	(36,335,573)	(22,653,839)	(2,639,665)	(43,083)	(10,266,670)	(592,590)	(55,194)	(6,486)	(58,200)	(19,606)	(240)	(240)
PROD_ENERGY	(36,065,501)	(22,519,805)	(2,623,162)	(42,948)	(10,190,572)	(549,487)	(55,003)	(6,466)	(58,209)	(19,609)	(240)	(240)
TRANSMISSION	(41,512)	(20,413)	(2,513)	(21)	(11,598)	(6,935)	(29)	(3)	0	0	0	0
DIST_SUBS	(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)	(12)
DIST_PRIMARY	(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)	(13)
DIST_L_XFMR	(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0	0
DIST_SEC_SERV	(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0	0
CUSTOMER	(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)	(4)
Total	(72,608,284)	(45,307,439)	(5,278,668)	(86,410)	(20,485,039)	(1,153,054)	(110,685)	(12,991)	(125,813)	(47,676)	(510)	(510)

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJOM JAAR PROD DEMAND REL												
PROD_DEMAND	(44,430,508)	(22,037,092)	(2,712,676)	(22,326)	(12,520,825)	(7,102,855)	(31,497)	(3,236)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(44,430,508)	(22,037,092)	(2,712,676)	(22,326)	(12,520,825)	(7,102,855)	(31,497)	(3,236)	(0)	(0)	(0)	(0)
ADJOM JAAR A&G REL												
PROD_DEMAND	(19,073,136)	(9,460,086)	(1,164,498)	(9,584)	(5,374,942)	(3,049,115)	(13,521)	(1,389)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(19,073,136)	(9,460,086)	(1,164,498)	(9,584)	(5,374,942)	(3,049,115)	(13,521)	(1,389)	(0)	(0)	(0)	(0)
ADJOM EXECUTIVE COMPENSATION												
PROD_DEMAND	(959,565)	(475,935)	(58,586)	(482)	(270,412)	(153,400)	(680)	(70)	(0)	(0)	(0)	(0)
PROD_ENERGY	(751,381)	(324,726)	(38,013)	(616)	(217,455)	(162,745)	(835)	(93)	(5,218)	(1,658)	(22)	(22)
TRANSMISSION	(76,642)	(38,014)	(4,679)	(39)	(21,598)	(12,252)	(54)	(6)	0	0	0	0
DIST_SUBS	(45,734)	(29,272)	(2,738)	(11)	(8,779)	(4,373)	(281)	(2)	(192)	(61)	(27)	(27)
DIST_PRIMARY	(70,505)	(46,969)	(4,419)	(17)	(14,196)	(4,001)	(451)	(3)	(307)	(98)	(44)	(44)
DIST_L_XFMR	(9,577)	(6,475)	(607)	(2)	(1,943)	(431)	(62)	(0)	(42)	(13)	0	0
DIST_SEC_SERV	(40,149)	(14,681)	(1,371)	(5)	(3,332)	0	(49)	(1)	(3,357)	(17,352)	0	0
CUSTOMER	(445,263)	(375,661)	(50,066)	(1,880)	(15,997)	(603)	(338)	(229)	(0)	(459)	(30)	(30)
Total	(2,398,816)	(1,311,733)	(160,479)	(3,053)	(553,713)	(337,805)	(2,751)	(403)	(9,116)	(19,641)	(122)	(122)
ADJOM NON LABOR, NON FUEL INFLATION												
PROD_DEMAND	738,231	366,155	45,072	371	208,039	118,017	523	54	0	0	0	0
PROD_ENERGY	4,459	1,927	226	4	1,290	966	5	1	31	10	0	0
TRANSMISSION	139,219	68,222	8,398	69	38,762	23,660	98	10	0	0	0	0
DIST_SUBS	53,931	34,518	3,228	13	10,352	5,157	332	2	226	72	32	32
DIST_PRIMARY	53,123	35,602	3,341	13	10,716	2,768	342	2	233	74	33	33
DIST_L_XFMR	48,430	32,746	3,072	12	9,827	2,178	311	2	214	68	0	0
DIST_SEC_SERV	62,798	13,370	1,249	5	3,034	0	45	1	23,611	21,483	0	0
CUSTOMER	210,913	177,618	23,665	889	7,968	346	155	89	0	172	11	11
Total	1,311,104	730,158	88,251	1,375	289,988	153,091	1,811	159	24,315	21,879	77	77
ADJOM YEAR END PAYROLL												
PROD_DEMAND	(7,405,219)	(3,672,915)	(452,121)	(3,721)	(2,086,842)	(1,183,831)	(5,250)	(539)	(0)	(0)	(0)	(0)
PROD_ENERGY	(5,798,607)	(2,505,997)	(293,357)	(4,754)	(1,678,158)	(1,255,945)	(6,447)	(715)	(40,267)	(12,797)	(169)	(169)
TRANSMISSION	(591,469)	(293,363)	(36,112)	(297)	(166,680)	(94,555)	(419)	(43)	0	0	0	0
DIST_SUBS	(352,943)	(225,898)	(21,126)	(83)	(67,747)	(33,747)	(2,171)	(12)	(1,478)	(470)	(210)	(210)
DIST_PRIMARY	(544,102)	(362,471)	(34,100)	(134)	(109,555)	(30,877)	(3,484)	(20)	(2,371)	(754)	(337)	(337)
DIST_L_XFMR	(73,905)	(49,970)	(4,688)	(18)	(14,996)	(3,324)	(475)	(3)	(327)	(104)	0	0
DIST_SEC_SERV	(309,842)	(113,299)	(10,584)	(42)	(25,712)	0	(381)	(6)	(25,908)	(133,910)	0	0
CUSTOMER	(3,436,213)	(2,899,074)	(386,372)	(14,510)	(123,454)	(4,655)	(2,607)	(1,769)	(0)	(3,543)	(228)	(228)
Total	(18,512,300)	(10,122,987)	(1,238,460)	(23,559)	(4,273,146)	(2,606,934)	(21,234)	(3,107)	(70,351)	(151,578)	(944)	(944)

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
ADJOM PENSION EXPENSE													
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
PROD_DEMAND	(1,223,997)	(607,090)	(74,730)	(615)	(344,931)	(195,674)	(868)	(89)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(958,443)	(414,212)	(48,489)	(786)	(277,380)	(207,593)	(1,066)	(118)	(6,656)	(2,115)	(28)	(28)	(28)
TRANSMISSION	(97,763)	(48,489)	(5,969)	(49)	(27,550)	(15,629)	(69)	(7)	0	0	0	0	0
DIST_SUBS	(58,337)	(37,338)	(3,492)	(14)	(11,198)	(5,578)	(359)	(2)	(244)	(78)	(35)	(35)	(35)
DIST_PRIMARY	(89,934)	(59,912)	(5,636)	(22)	(18,108)	(5,104)	(576)	(3)	(392)	(125)	(56)	(56)	(56)
DIST_L_XFMR	(12,216)	(8,259)	(775)	(3)	(2,479)	(549)	(79)	(0)	(54)	(17)	0	0	0
DIST_SEC_SERV	(51,213)	(18,727)	(1,749)	(7)	(4,250)	0	(63)	(1)	(4,282)	(22,134)	0	0	0
CUSTOMER	(567,966)	(479,183)	(63,863)	(2,398)	(20,406)	(769)	(431)	(292)	(0)	(586)	(38)	(38)	(38)
Total	(3,059,869)	(1,673,213)	(204,703)	(3,894)	(706,302)	(430,896)	(3,510)	(514)	(11,628)	(25,054)	(156)	(156)	(156)
ADJOM NUCLEAR LEVELIZATION													
PROD_DEMAND	(6,232,200)	(3,091,110)	(380,503)	(3,132)	(1,756,277)	(996,307)	(4,418)	(454)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(6,232,200)	(3,091,110)	(380,503)	(3,132)	(1,756,277)	(996,307)	(4,418)	(454)	(0)	(0)	(0)	(0)	(0)
ADJOM RATE CASE EXPENSE													
PROD_DEMAND	394,706	195,770	24,098	198	111,231	63,099	280	29	0	0	0	0	0
PROD_ENERGY	2,384	1,030	121	2	690	516	3	0	17	5	0	0	0
TRANSMISSION	74,435	36,476	4,490	37	20,725	12,650	52	5	0	0	0	0	0
DIST_SUBS	28,835	18,456	1,726	7	5,535	2,757	177	1	121	38	17	17	17
DIST_PRIMARY	28,403	19,035	1,786	7	5,729	1,480	183	1	125	40	18	18	18
DIST_L_XFMR	25,894	17,508	1,643	6	5,254	1,165	166	1	115	36	0	0	0
DIST_SEC_SERV	33,576	7,148	668	3	1,622	0	24	0	12,624	11,486	0	0	0
CUSTOMER	112,767	94,966	12,653	475	4,260	185	83	47	0	92	6	6	6
Total	701,000	390,389	47,184	735	155,046	81,852	968	85	13,000	11,698	41	41	41
ADJOM AVIATION													
PROD_DEMAND	(580,881)	(288,111)	(35,465)	(292)	(163,696)	(92,862)	(412)	(42)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(454,855)	(196,576)	(23,012)	(373)	(131,638)	(98,519)	(506)	(56)	(3,159)	(1,004)	(13)	(13)	(13)
TRANSMISSION	(46,396)	(23,012)	(2,833)	(23)	(13,075)	(7,417)	(33)	(3)	0	0	0	0	0
DIST_SUBS	(27,686)	(17,720)	(1,657)	(7)	(5,314)	(2,647)	(170)	(1)	(116)	(37)	(16)	(16)	(16)
DIST_PRIMARY	(42,681)	(28,433)	(2,675)	(10)	(8,594)	(2,422)	(273)	(2)	(186)	(59)	(26)	(26)	(26)
DIST_L_XFMR	(5,797)	(3,920)	(368)	(1)	(1,176)	(261)	(37)	(0)	(26)	(8)	0	0	0
DIST_SEC_SERV	(24,305)	(8,887)	(830)	(3)	(2,017)	0	(30)	(0)	(2,032)	(10,504)	0	0	0
CUSTOMER	(269,544)	(227,410)	(30,308)	(1,138)	(9,684)	(365)	(205)	(139)	(0)	(278)	(18)	(18)	(18)
Total	(1,452,144)	(794,069)	(97,147)	(1,848)	(335,195)	(204,494)	(1,666)	(244)	(5,519)	(11,890)	(74)	(74)	(74)
ADJOM ANNUALIZE NC REGULATORY EXPENSE													
PROD_DEMAND	(27,699)	(13,738)	(1,691)	(14)	(7,806)	(4,428)	(20)	(2)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(21,689)	(9,373)	(1,097)	(18)	(6,277)	(4,698)	(24)	(3)	(151)	(48)	(1)	(1)	(1)
TRANSMISSION	(2,212)	(1,097)	(135)	(1)	(623)	(354)	(2)	(0)	0	0	0	0	0
DIST_SUBS	(1,320)	(845)	(79)	(0)	(253)	(126)	(8)	(0)	(6)	(3)	(1)	(1)	(1)
DIST_PRIMARY	(2,035)	(1,356)	(128)	(0)	(410)	(115)	(13)	(0)	(9)	(3)	(1)	(1)	(1)
DIST_L_XFMR	(276)	(187)	(18)	(0)	(56)	(12)	(2)	(0)	(1)	(0)	0	0	0
DIST_SEC_SERV	(1,159)	(424)	(40)	(0)	(96)	0	(1)	(0)	(97)	(501)	0	0	0
CUSTOMER	(12,853)	(10,844)	(1,445)	(54)	(462)	(17)	(10)	(7)	(0)	(13)	(1)	(1)	(1)
Total	(69,244)	(37,864)	(4,632)	(88)	(15,983)	(9,751)	(79)	(12)	(263)	(567)	(4)	(4)	(4)

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TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE	COS DETAIL - OPER. EXPENSE													
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
ADJOM EXPIRING O&M AMORT-ENERGY REL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669	9	9	9
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669	9	9	9
	PROD_DEMAND	1,184,394	587,448	72,312	595	333,770	189,342	840	86	0	0	0	0	0
ADJOM EXPIRING O&M AMORT-PROD DEM REL	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	1,184,394	587,448	72,312	595	333,770	189,342	840	86	0	0	0	0	0
	PROD_DEMAND	74,070	36,738	4,522	37	20,873	11,841	53	5	0	0	0	0	0
	PROD_ENERGY	58,000	25,066	2,934	48	16,786	12,562	64	7	403	128	2	2	2
ADJOM EXPIRING O&M AMORT-LABOR REL	TRANSMISSION	5,916	2,934	361	3	1,667	946	4	0	0	0	0	0	0
	DIST_SUBS	3,530	2,260	211	1	678	338	22	0	15	5	2	2	2
	DIST_PRIMARY	5,442	3,626	341	1	1,096	309	35	0	24	8	3	3	3
	DIST_L_XFMR	739	500	47	0	150	33	5	0	3	1	0	0	0
	DIST_SEC_SERV	3,099	1,133	106	0	257	0	4	0	259	1,339	0	0	0
	CUSTOMER	34,370	28,998	3,865	145	1,235	47	26	18	0	35	2	2	2
	Total	185,167	101,254	12,388	236	42,742	26,075	212	31	704	1,516	9	9	9
	PROD_DEMAND	(1,481,621)	(734,869)	(90,459)	(745)	(417,531)	(236,858)	(1,050)	(108)	(0)	(0)	(0)	(0)	(0)
	PROD_ENERGY	(1,160,174)	(501,395)	(58,694)	(951)	(335,763)	(251,287)	(1,290)	(143)	(8,057)	(2,560)	(34)	(34)	(34)
	TRANSMISSION	(118,340)	(58,695)	(7,225)	(59)	(33,349)	(18,918)	(84)	(9)	0	0	0	0	0
ADJOM MERGER RELATED- LAB RELATED	DIST_SUBS	(70,616)	(45,197)	(4,227)	(17)	(13,555)	(6,752)	(434)	(2)	(296)	(94)	(42)	(42)	(42)
	DIST_PRIMARY	(108,863)	(72,522)	(6,823)	(27)	(21,920)	(6,178)	(697)	(4)	(474)	(151)	(67)	(67)	(67)
	DIST_L_XFMR	(14,787)	(9,998)	(938)	(4)	(3,000)	(665)	(95)	(1)	(65)	(21)	0	0	0
	DIST_SEC_SERV	(61,993)	(22,669)	(2,118)	(8)	(5,144)	0	(76)	(1)	(5,184)	(26,792)	0	0	0
	CUSTOMER	(687,511)	(580,041)	(77,305)	(2,903)	(24,701)	(931)	(522)	(354)	(0)	(709)	(46)	(46)	(46)
	Total	(3,703,904)	(2,025,387)	(247,789)	(4,714)	(854,962)	(521,590)	(4,248)	(622)	(14,076)	(30,327)	(189)	(189)	(189)
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJOM MERGER RELATED- CUST RELATED	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	(19)	(19)
	Total	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	(19)	(19)



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJOM SEVERANCE EXP												
PROD_DEMAND	(9,346,902)	(4,635,971)	(570,669)	(4,697)	(2,634,022)	(1,494,237)	(6,626)	(681)	(0)	(0)	(0)	(0)
PROD_ENERGY	(7,319,028)	(3,163,081)	(370,277)	(6,000)	(2,118,179)	(1,585,260)	(8,137)	(902)	(50,825)	(16,153)	(213)	(213)
TRANSMISSION	(746,555)	(370,284)	(45,580)	(375)	(210,384)	(119,348)	(529)	(54)	0	0	0	0
DIST_SUBS	(445,487)	(285,130)	(26,666)	(105)	(85,511)	(42,596)	(2,740)	(15)	(1,865)	(593)	(265)	(265)
DIST_PRIMARY	(686,768)	(457,512)	(43,041)	(169)	(138,281)	(38,973)	(4,397)	(25)	(2,993)	(951)	(425)	(425)
DIST_L_XFMR	(93,283)	(63,072)	(5,917)	(23)	(18,928)	(4,195)	(600)	(3)	(413)	(131)	0	0
DIST_SEC_SERV	(391,084)	(143,007)	(13,359)	(53)	(32,454)	0	(481)	(8)	(32,701)	(169,022)	0	0
CUSTOMER	(4,337,204)	(3,659,225)	(487,680)	(18,315)	(155,825)	(5,876)	(3,291)	(2,232)	(0)	(4,472)	(288)	(288)
Total	(23,366,311)	(12,777,281)	(1,563,190)	(29,736)	(5,393,585)	(3,290,485)	(26,801)	(3,922)	(88,798)	(191,322)	(1,191)	(1,191)
ADJOM CREDIT CARD FEES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288	288
Total	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288	288
ADJOM VEG MANAGEMENT DISTRIBUTION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	1,119,831	743,647	70,050	274	225,265	66,305	7,147	40	4,865	1,546	691	691
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	276,442	207,420	19,377	76	47,072	0	697	11	1,357	431	0	0
CUSTOMER	3,529,518	3,009,569	401,411	15,076	95,022	473	1,898	1,956	0	3,958	156	156
Total	4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847	847
ADJOM VEG MANAGEMENT TRANSMISSION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	831,707	412,518	50,779	418	234,381	132,960	590	61	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	831,707	412,518	50,779	418	234,381	132,960	590	61	0	0	0	0
ADJOM NCUC FEE - MISC REVENUE PLANT REL												
PROD_DEMAND	(737)	(366)	(45)	(0)	(208)	(118)	(1)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(4)	(2)	(0)	(0)	(1)	(1)	(0)	(0)	(0)	(0)	(0)	(0)
TRANSMISSION	(139)	(68)	(8)	(0)	(39)	(24)	(0)	(0)	0	0	0	0
DIST_SUBS	(54)	(34)	(3)	(0)	(10)	(5)	(0)	(0)	(0)	(0)	(0)	(0)
DIST_PRIMARY	(53)	(36)	(3)	(0)	(11)	(3)	(0)	(0)	(0)	(0)	(0)	(0)
DIST_L_XFMR	(48)	(33)	(3)	(0)	(10)	(2)	(0)	(0)	(0)	(0)	0	0
DIST_SEC_SERV	(63)	(13)	(1)	(0)	(3)	0	(0)	(0)	(24)	(21)	0	0
CUSTOMER	(211)	(177)	(24)	(1)	(8)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Total	(1,309)	(729)	(88)	(1)	(290)	(153)	(2)	(0)	(24)	(22)	(0)	(0)

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE	COS DETAIL - OPER. EXPENSE													
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
ADJOM NCUC FEE - MISC REVENUE CUST REL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(0)	(5)	(5)	(0)	(0)	(0)
	Total	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(0)	(5)	(5)	(0)	(0)	(0)
	PROD_DEMAND	(93,555)	(46,402)	(5,712)	(47)	(26,364)	(14,956)	(66)	(7)	(0)	(0)	(0)	(0)	(0)
ADJOM NCUC FEE	PROD_ENERGY	(73,257)	(31,660)	(3,706)	(60)	(21,201)	(15,867)	(81)	(9)	(509)	(162)	(2)	(2)	(2)
	TRANSMISSION	(7,472)	(3,706)	(456)	(4)	(2,106)	(1,195)	(5)	(1)	0	0	0	0	0
	DIST_SUBS	(4,459)	(2,854)	(267)	(1)	(856)	(426)	(27)	(0)	(19)	(6)	(3)	(3)	(3)
	DIST_PRIMARY	(6,874)	(4,579)	(431)	(2)	(1,384)	(390)	(44)	(0)	(30)	(10)	(4)	(4)	(4)
	DIST_L_XFMR	(934)	(631)	(59)	(0)	(189)	(42)	(6)	(0)	(4)	(1)	0	0	0
	DIST_SEC_SERV	(3,914)	(1,431)	(134)	(1)	(325)	0	(5)	(0)	(327)	(1,692)	0	0	0
	CUSTOMER	(43,412)	(36,626)	(4,881)	(183)	(1,560)	(59)	(33)	(22)	(0)	(45)	(3)	(3)	(3)
	Total	(233,877)	(127,890)	(15,646)	(298)	(53,985)	(32,935)	(268)	(39)	(889)	(1,915)	(12)	(12)	(12)
	PROD_DEMAND	(1,490,601)	(739,323)	(91,008)	(749)	(420,062)	(238,294)	(1,057)	(109)	(0)	(0)	(0)	(0)	(0)
ADJOM PLANT RETIREMENT - DEM	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(1,490,601)	(739,323)	(91,008)	(749)	(420,062)	(238,294)	(1,057)	(109)	(0)	(0)	(0)	(0)	(0)
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	(144)	(144)
ADJOM PLANT RETIREMENT - ENERGY	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	(144)	(144)
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	144	144
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJOM ONGOING EXP - ENERGY REL	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	144	144

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System																
COS DETAIL - OPER. EXPENSE																
ADJOM ASHEVILLE CC DEFERRAL	NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL		RES		SGS		SGSCLR		MGS		LGS		SI			
PROD_DEMAND	6,109,335		3,030,170		373,002		3,070		1,721,653		976,665		4,331		445	
PROD_ENERGY	0		0		0		0		0		0		0		0	
TRANSMISSION	0		0		0		0		0		0		0		0	
DIST_SUBS	0		0		0		0		0		0		0		0	
DIST_PRIMARY	0		0		0		0		0		0		0		0	
DIST_L_XFMR	0		0		0		0		0		0		0		0	
DIST_SEC_SERV	0		0		0		0		0		0		0		0	
CUSTOMER	0		0		0		0		0		0		0		0	
Total	6,109,335		3,030,170		373,002		3,070		1,721,653		976,665		4,331		445	
ADJOM UNCOLLECTIBLES	PROD_DEMAND	0		0		0		0		0		0		0		0
	PROD_ENERGY	0		0		0		0		0		0		0		0
	TRANSMISSION	0		0		0		0		0		0		0		0
	DIST_SUBS	0		0		0		0		0		0		0		0
	DIST_PRIMARY	0		0		0		0		0		0		0		0
	DIST_L_XFMR	0		0		0		0		0		0		0		0
	DIST_SEC_SERV	0		0		0		0		0		0		0		0
	CUSTOMER	0		0		0		0		0		0		0		0
	Total	0		0		0		0		0		0		0		0
	TOTAL O&M ADJUSTMENTS	PROD_DEMAND	(122,585,578)	(65,438,543)	(7,917,436)	(86,465)	(34,527,145)	(14,409,223)	(115,981)	(12,740)	(58,200)	(19,606)	(240)			
PROD_ENERGY		(98,981,700)	(47,251,250)	(11,283,063)	(384,595)	7,101,239	(45,969,382)	70,316	(42,219)	(1,044,987)	(174,216)	(3,542)				
TRANSMISSION		(712,284)	(354,824)	(44,568)	(362)	(197,724)	(114,278)	(478)	(50)	0	0	0				
DIST_SUBS		(962,155)	(616,139)	(58,143)	(228)	(183,285)	(92,803)	(5,771)	(33)	(3,943)	(1,254)	(556)				
DIST_PRIMARY		(397,297)	(267,673)	(25,942)	(100)	(78,031)	(20,861)	(2,331)	(13)	(1,610)	(513)	(223)				
DIST_L_XFMR		(158,808)	(107,510)	(10,202)	(40)	(31,932)	(7,228)	(989)	(6)	(684)	(218)	0				
DIST_SEC_SERV		(541,328)	(106,123)	(10,175)	(40)	(23,533)	0	(330)	(5)	(45,237)	(355,885)	0				
CUSTOMER		(1,350,824)	(1,061,974)	(150,309)	(5,426)	(117,976)	(11,788)	(2,375)	(290)	0	(481)	(205)				
Total		(225,689,974)	(115,204,036)	(19,499,838)	(477,255)	(28,058,386)	(60,625,563)	(57,940)	(55,356)	(1,154,661)	(552,172)	(4,766)				
ADJ O&M EXPENSE		PROD_DEMAND	276,375,799	137,074,103	16,862,115	138,838	77,929,993	44,154,314	196,278	20,159	0	0	0			
	PROD_ENERGY	1,265,639,194	548,010,918	66,122,133	1,077,130	399,078,733	237,853,148	1,608,286	158,981	8,882,007	2,809,929	37,929				
	TRANSMISSION	29,578,962	14,667,407	1,804,608	14,857	8,337,464	4,731,478	20,993	2,156	0	0	0				
	DIST_SUBS	14,155,022	9,059,488	846,730	3,339	2,718,453	1,352,640	87,221	492	59,360	18,864	8,434				
	DIST_PRIMARY	39,270,700	26,154,536	2,459,906	9,640	7,908,808	2,234,766	251,612	1,421	171,258	54,426	24,327				
	DIST_L_XFMR	4,278,877	2,892,990	271,292	1,066	868,521	192,347	27,535	157	18,947	6,021	0				
	DIST_SEC_SERV	26,782,280	8,111,780	757,525	2,990	1,841,458	0	27,289	441	6,221,585	9,819,213	0				
	CUSTOMER	209,453,304	177,149,651	23,604,162	886,670	7,101,785	226,862	148,721	107,488	0	215,105	12,861				
	Total	1,865,534,138	923,120,873	112,728,471	2,134,529	505,785,214	290,745,555	2,367,934	291,295	15,353,158	12,923,558	83,551				

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:												
PRODUCTION FUNCTION:												
DPE PRODUCTION RELATED	310,776,507	154,142,068	18,974,261	156,166	87,578,976	49,682,092	220,308	22,636	0	0	0	0
DPE EXT. DECOM. TRUST-PROD	17,337,167	8,599,063	1,058,510	8,712	4,885,734	2,771,595	12,290	1,263	0	0	0	0
DPE CONTRA AFUDC NC RET-PROD	(6,208,430)	(3,079,320)	(379,052)	(3,120)	(1,749,579)	(992,507)	(4,401)	(452)	(0)	(0)	(0)	(0)
DPE CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0	0
DPE CONTRA AFUDC WHSL - PROD	0	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-NCR	(4,932,690)	(2,446,565)	(301,162)	(2,479)	(1,390,066)	(788,561)	(3,497)	(359)	(0)	(0)	(0)	(0)
DPE HARRIS PLANT DISALLOW-SCR	0	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLANT DISALLOW-WHSL	0	0	0	0	0	0	0	0	0	0	0	0
DPE HARRIS PLT. DISALLOW-NCENPA	0	0	0	0	0	0	0	0	0	0	0	0
DPE OTHER NC RETAIL SPECIFIC EXPENSE	(12,655,516)	(6,277,010)	(772,674)	(6,359)	(3,566,412)	(2,023,166)	(8,971)	(922)	(0)	(0)	(0)	(0)
DPE OTHER SC RETAIL SPECIFIC EXPENSE	0	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - SC	0	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - WHSL	0	0	0	0	0	0	0	0	0	0	0	0
DPE RATE DIFF. PROD. - NCENPA	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION PLT DEPR.												
PROD_DEMAND	304,317,039	150,938,236	18,579,882	152,920	85,758,653	48,649,453	215,729	22,166	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	304,317,039	150,938,236	18,579,882	152,920	85,758,653	48,649,453	215,729	22,166	0	0	0	0
DPE TRANS RELATED - PROD												
PROD_DEMAND	2,135,318	1,059,097	130,370	1,073	601,747	341,361	1,514	156	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,135,318	1,059,097	130,370	1,073	601,747	341,361	1,514	156	0	0	0	0
DPE TRANS RELATED - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	26,640,447	13,213,398	1,626,515	13,387	7,507,463	4,258,858	18,885	1,940	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	26,640,447	13,213,398	1,626,515	13,387	7,507,463	4,258,858	18,885	1,940	0	0	0	0

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #5D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

### Summer 1 CP Demand Allocation with Minimum System

[illegible]



### Summer 1 CP Demand Allocation with Minimum System

Op. Exp. NC - 3

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
BOOK DEPRECIATION EXPENSE													
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
PROD_DEMAND	326,640,019	162,010,213	19,942,797	164,137	92,049,423	52,218,102	231,554	23,792	0	0	0	0	0
PROD_ENERGY	2,419,609	1,045,688	122,410	1,984	700,252	524,074	2,690	298	16,802	5,340	71		
TRANSMISSION	31,933,696	15,817,295	1,947,045	16,025	8,986,920	5,141,481	22,607	2,323	0	0	0		
DIST_SUBS	21,902,076	14,018,247	1,310,999	5,167	4,204,097	2,094,188	134,729	761	91,715	29,148	13,025		
DIST_PRIMARY	21,831,999	14,629,404	1,373,027	5,393	4,403,630	1,139,423	140,603	794	95,713	30,419	13,593		
DIST_L_XFMR	19,642,505	13,281,101	1,245,973	4,896	3,985,672	883,378	126,257	721	86,892	27,615	0		
DIST_SEC_SERV	25,551,011	5,476,409	511,595	2,019	1,242,829	0	18,406	297	9,575,347	8,724,109	0		
CUSTOMER	86,885,258	73,180,665	9,750,231	366,188	3,270,955	140,971	63,783	36,761	0	71,059	4,645		
Total	536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333		
DEPRECIATION EXPENSE ADJUSTMENTS:													
ADIDPE FUEL - CATALYST REL													
PROD_DEMAND	(1,684,077)	(835,286)	(102,820)	(846)	(474,585)	(269,224)	(1,194)	(123)	(0)	(0)	(0)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(1,684,077)	(835,286)	(102,820)	(846)	(474,585)	(269,224)	(1,194)	(123)	(0)	(0)	(0)		
ADIDPE REMOVE DSDR-TRANS													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	(6,967)	(3,456)	(425)	(4)	(1,963)	(1,114)	(5)	(1)	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(6,967)	(3,456)	(425)	(4)	(1,963)	(1,114)	(5)	(1)	0	0	0		
ADIDPE REMOVE DSDR-DIST													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	(475,351)	(304,245)	(28,453)	(112)	(91,244)	(45,451)	(2,924)	(17)	(1,991)	(633)	(283)		
DIST_PRIMARY	(466,896)	(312,913)	(29,366)	(115)	(94,180)	(24,309)	(3,007)	(17)	(2,047)	(651)	(291)		
DIST_L_XFMR	(428,523)	(289,742)	(27,182)	(107)	(86,952)	(19,272)	(2,754)	(16)	(1,896)	(602)	0		
DIST_SEC_SERV	(554,196)	(117,669)	(10,992)	(43)	(26,704)	0	(395)	(6)	(208,983)	(189,402)	0		
CUSTOMER	(1,827,806)	(1,539,063)	(205,051)	(7,701)	(69,274)	(3,031)	(1,347)	(765)	0	(1,476)	(97)		
Total	(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)		
ADIDPE REMOVE DSDR-GEN													
PROD_DEMAND	(113,901)	(56,494)	(6,954)	(57)	(32,098)	(18,209)	(81)	(8)	(0)	(0)	(0)		
PROD_ENERGY	(66,370)	(28,683)	(3,358)	(54)	(19,208)	(14,375)	(74)	(8)	(461)	(146)	(2)		
TRANSMISSION	(79,858)	(39,297)	(4,837)	(40)	(22,328)	(13,294)	(56)	(6)	0	0	0		
DIST_SUBS	(40,752)	(26,083)	(2,439)	(10)	(7,822)	(3,897)	(251)	(1)	(171)	(54)	(24)		
DIST_PRIMARY	(42,287)	(28,316)	(2,658)	(10)	(8,528)	(2,231)	(272)	(2)	(185)	(59)	(26)		
DIST_L_XFMR	(33,942)	(22,949)	(2,153)	(8)	(6,887)	(1,526)	(218)	(1)	(150)	(48)	0		
DIST_SEC_SERV	(46,348)	(10,385)	(970)	(4)	(2,357)	0	(35)	(1)	(16,437)	(16,161)	0		
CUSTOMER	(209,384)	(176,662)	(23,542)	(884)	(7,558)	(293)	(151)	(95)	(0)	(187)	(12)		
Total	(632,841)	(388,868)	(46,912)	(1,068)	(106,785)	(53,825)	(1,138)	(122)	(17,404)	(16,655)	(64)		

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																
ADIDPE REMOVE DSDR-INT		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL				
PROD_DEMAND		(444,730)	(220,582)	(27,153)	(223)	(125,328)	(71,097)	(315)	(32)	(0)	(0)	(0)				
PROD_ENERGY		(2,095)	(906)	(106)	(2)	(606)	(454)	(2)	(0)	(15)	(5)	(0)				
TRANSMISSION		(68,036)	(33,456)	(4,118)	(34)	(19,009)	(11,366)	(48)	(5)	0	0	0				
DIST_SUBS		(34,195)	(21,886)	(2,047)	(8)	(6,564)	(3,270)	(210)	(1)	(143)	(46)	(20)				
DIST_PRIMARY		(33,658)	(22,557)	(2,117)	(8)	(6,789)	(1,753)	(217)	(1)	(148)	(47)	(21)				
DIST_L_XFMR		(30,738)	(20,783)	(1,950)	(8)	(6,237)	(1,382)	(198)	(1)	(136)	(43)	0				
DIST_SEC_SERV		(39,830)	(8,474)	(792)	(3)	(1,923)	0	(28)	(0)	(14,987)	(13,622)	(13,622)				
CUSTOMER		(133,149)	(112,126)	(14,939)	(561)	(5,034)	(219)	(98)	(56)	(0)	(108)	(7)				
Total		(786,432)	(440,770)	(53,221)	(847)	(171,491)	(89,541)	(1,117)	(98)	(15,428)	(13,871)	(48)				
ADIDPE YE DEPR EXP-PROD																
PROD_DEMAND		40,075,973	19,877,286	2,446,813	20,138	11,293,687	6,406,720	28,410	2,919	0	0	0				
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0				
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0				
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0				
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0				
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0				
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0				
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0				
Total		40,075,973	19,877,286	2,446,813	20,138	11,293,687	6,406,720	28,410	2,919	0	0	0				
ADIDPE YE DEPR EXP-TRANS																
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0				
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0				
TRANSMISSION		1,559,562	773,527	95,218	784	439,495	249,318	1,106	114	0	0	0				
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0				
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0				
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0				
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0				
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0				
Total		1,559,562	773,527	95,218	784	439,495	249,318	1,106	114	0	0	0				
ADIDPE YE DEPR EXP-DIST																
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0				
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0				
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0				
DIST_SUBS		(435,901)	(278,995)	(26,092)	(103)	(83,671)	(41,679)	(2,681)	(15)	(1,825)	(580)	(259)				
DIST_PRIMARY		(428,147)	(286,944)	(26,929)	(106)	(86,364)	(22,291)	(2,758)	(16)	(1,877)	(597)	(267)				
DIST_L_XFMR		(392,959)	(265,695)	(24,926)	(98)	(79,735)	(17,672)	(2,526)	(14)	(1,738)	(552)	0				
DIST_SEC_SERV		(508,202)	(107,903)	(10,080)	(40)	(24,488)	0	(363)	(6)	(191,639)	(173,683)	0				
CUSTOMER		(1,676,112)	(1,411,332)	(188,033)	(7,062)	(63,524)	(2,780)	(1,235)	(702)	0	(1,354)	(89)				
Total		(3,441,320)	(2,350,869)	(276,061)	(7,408)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)				
ADIDPE YE DEPR EXP-GEN																
PROD_DEMAND		697,269	345,839	42,571	350	196,495	111,469	494	51	0	0	0				
PROD_ENERGY		406,297	175,590	20,555	333	117,585	88,002	452	50	2,821	897	12				
TRANSMISSION		488,869	240,568	29,613	244	136,683	81,382	344	35	0	0	0				
DIST_SUBS		249,472	159,673	14,933	59	47,886	23,854	1,535	9	1,045	332	148				
DIST_PRIMARY		258,869	173,340	16,273	64	52,204	13,656	1,666	9	1,134	360	161				
DIST_L_XFMR		207,781	140,489	13,180	52	42,161	9,344	1,336	8	919	292	0				
DIST_SEC_SERV		283,729	63,572	5,939	23	14,427	0	214	3	100,621	98,931	0				
CUSTOMER		1,281,791	1,081,474	144,118	5,413	46,265	1,794	926	584	0	1,144	72				
Total		3,874,078	2,380,545	287,182	6,538	653,707	329,501	6,966	749	106,540	101,956	393				

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPE ADDITIONS TO EPIS - PROD												
PROD_DEMAND	40,353,588	20,014,980	2,463,763	20,278	11,371,921	6,451,101	28,607	2,939	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	40,353,588	20,014,980	2,463,763	20,278	11,371,921	6,451,101	28,607	2,939	0	0	0	0
ADIDPE ADDITIONS TO EPIS - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	3,764,410	1,867,110	229,834	1,892	1,060,837	601,795	2,669	274	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,764,410	1,867,110	229,834	1,892	1,060,837	601,795	2,669	274	0	0	0	0
ADIDPE ADDITIONS TO EPIS - DIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	2,264,796	1,449,565	135,565	534	434,727	216,551	13,932	79	9,484	3,014	1,347	1,347
DIST_PRIMARY	2,224,512	1,490,864	139,914	550	448,718	115,817	14,329	81	9,754	3,100	1,385	1,385
DIST_L_XFMR	2,041,684	1,380,466	129,509	509	414,279	91,820	13,123	75	9,032	2,870	0	0
DIST_SEC_SERV	2,640,450	560,631	52,373	207	127,231	0	1,884	30	995,692	902,402	0	0
CUSTOMER	8,708,522	7,332,815	976,960	36,692	330,052	14,441	6,419	3,646	0	7,034	464	464
Total	17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196	3,196
ADIDPE ADDITIONS TO EPIS - GEN												
PROD_DEMAND	610,107	302,607	37,250	307	171,933	97,534	433	44	0	0	0	0
PROD_ENERGY	355,508	153,641	17,986	291	102,887	77,001	395	44	2,469	0	785	10
TRANSMISSION	427,758	210,496	25,911	213	119,597	71,209	301	31	0	0	0	0
DIST_SUBS	218,287	139,713	13,066	52	41,900	20,872	1,343	8	914	291	130	130
DIST_PRIMARY	226,509	151,672	14,239	56	45,678	11,949	1,458	8	992	315	141	141
DIST_L_XFMR	181,807	122,927	11,532	45	36,891	8,176	1,169	7	804	256	0	0
DIST_SEC_SERV	248,262	55,625	5,196	21	12,624	0	187	3	88,043	86,564	0	0
CUSTOMER	1,121,562	946,285	126,103	4,736	40,482	1,570	811	511	0	1,001	63	63
Total	3,389,801	2,082,966	251,283	5,720	571,991	288,312	6,095	655	93,222	89,211	344	344
ADIDPE ADDITIONS TO EPIS - INT												
PROD_DEMAND	2,873,635	1,425,295	175,448	1,444	809,810	459,392	2,037	209	0	0	0	0
PROD_ENERGY	13,539	5,851	685	11	3,918	2,933	15	2	94	30	0	0
TRANSMISSION	439,619	216,179	26,611	219	122,827	73,443	309	32	0	0	0	0
DIST_SUBS	220,951	141,418	13,226	52	42,412	21,126	1,359	8	925	294	131	131
DIST_PRIMARY	217,482	145,751	13,679	54	43,869	11,329	1,401	8	954	303	135	135
DIST_L_XFMR	198,614	134,291	12,599	50	40,301	8,932	1,277	7	879	279	0	0
DIST_SEC_SERV	257,362	54,755	5,115	20	12,426	0	184	3	96,837	88,022	0	0
CUSTOMER	860,343	724,505	96,528	3,625	32,330	1,416	634	362	0	699	46	46
Total	5,081,547	2,848,046	343,889	5,475	1,108,093	578,570	7,215	630	99,688	89,627	313	313

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPE NEW RATES - PROD		78,451,748	38,911,290	4,789,821	39,422	22,108,247	12,541,640	55,614	5,714	0	0	0
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		78,451,748	38,911,290	4,789,821	39,422	22,108,247	12,541,640	55,614	5,714	0	0	0
ADIDPE NEW RATES - TRANS		5,080,519	2,519,887	310,188	2,553	1,431,726	812,194	3,602	370	0	0	0
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		5,080,519	2,519,887	310,188	2,553	1,431,726	812,194	3,602	370	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		5,080,519	2,519,887	310,188	2,553	1,431,726	812,194	3,602	370	0	0	0
ADIDPE NEW RATES - DIST		(468,194)	(299,664)	(28,025)	(110)	(89,870)	(44,767)	(2,880)	(16)	(1,961)	(623)	(278)
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		(468,194)	(299,664)	(28,025)	(110)	(89,870)	(44,767)	(2,880)	(16)	(1,961)	(623)	(278)
DIST_PRIMARY		(459,866)	(308,202)	(28,924)	(114)	(92,762)	(23,943)	(2,962)	(17)	(2,016)	(641)	(286)
DIST_L_XFMR		(422,071)	(285,379)	(26,773)	(105)	(85,643)	(18,982)	(2,713)	(15)	(1,867)	(593)	0
DIST_SEC_SERV		(545,852)	(115,897)	(10,827)	(43)	(26,302)	0	(390)	(6)	(205,836)	(186,551)	0
CUSTOMER		(1,800,285)	(1,515,890)	(201,964)	(7,585)	(68,231)	(2,985)	(1,327)	(754)	0	(1,454)	(96)
Total		(3,696,268)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)
ADIDPE NEW RATES - GEN		1,757,518	871,711	107,304	883	495,281	280,964	1,246	128	0	0	0
PROD_DEMAND		1,757,518	871,711	107,304	883	495,281	280,964	1,246	128	0	0	0
PROD_ENERGY		1,024,102	442,588	51,810	840	296,382	221,815	1,139	126	7,112	2,260	30
TRANSMISSION		1,232,230	606,368	74,641	614	344,520	205,130	867	89	0	0	0
DIST_SUBS		628,813	402,467	37,639	148	120,701	60,125	3,868	22	2,633	837	374
DIST_PRIMARY		652,498	436,917	41,018	161	131,584	34,422	4,199	24	2,859	908	406
DIST_L_XFMR		523,726	354,113	33,221	131	106,270	23,553	3,366	19	2,317	736	0
DIST_SEC_SERV		715,161	160,237	14,969	59	36,365	0	539	9	253,622	249,362	0
CUSTOMER		3,230,849	2,725,935	363,261	13,643	116,615	4,523	2,335	1,471	0	2,884	181
Total		9,764,896	6,000,337	723,864	16,479	1,647,717	830,531	17,559	1,888	268,542	256,988	991
ADIDPE REMOVE JAAR		(31,059,293)	(15,405,102)	(1,896,305)	(15,607)	(8,752,724)	(4,965,274)	(22,018)	(2,262)	(0)	(0)	(0)
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		(31,059,293)	(15,405,102)	(1,896,305)	(15,607)	(8,752,724)	(4,965,274)	(22,018)	(2,262)	(0)	(0)	(0)



DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPE REMOVE EXPIRING DEPR AMORT-PROD												
PROD_DEMAND	(186,678)	(92,590)	(11,398)	(94)	(52,607)	(29,843)	(132)	(14)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(186,678)	(92,590)	(11,398)	(94)	(52,607)	(29,843)	(132)	(14)	(0)	(0)	(0)	(0)
ADIDPE ANNUALIZE DEPR AMORT-GEN												
PROD_DEMAND	476,767	236,472	29,109	240	134,356	76,218	338	35	0	0	0	0
PROD_ENERGY	277,811	120,062	14,055	228	80,401	60,172	309	34	1,929	613	8	8
TRANSMISSION	334,271	164,491	20,248	167	93,459	55,646	235	24	0	0	0	0
DIST_SUBS	170,580	109,178	10,210	40	32,743	16,310	1,049	6	714	227	101	101
DIST_PRIMARY	177,005	118,524	11,127	44	35,695	9,338	1,139	6	775	246	110	110
DIST_L_XFMR	142,073	96,061	9,012	35	28,828	6,389	913	5	628	200	0	0
DIST_SEC_SERV	194,004	43,468	4,061	16	9,865	0	146	2	68,801	67,645	0	0
CUSTOMER	876,442	739,472	98,543	3,701	31,635	1,227	634	399	0	782	49	49
Total	2,648,952	1,627,729	196,365	4,470	446,981	225,301	4,763	512	72,848	69,714	269	269
ADIDPE MERGER IMPACTS - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(171,994)	(85,307)	(10,501)	(86)	(48,469)	(27,496)	(122)	(13)	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(171,994)	(85,307)	(10,501)	(86)	(48,469)	(27,496)	(122)	(13)	0	0	0	0
ADIDPE DECOMMISSIONING EXP												
PROD_DEMAND	3,626,511	1,798,713	221,414	1,822	1,021,976	579,750	2,571	264	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,626,511	1,798,713	221,414	1,822	1,021,976	579,750	2,571	264	0	0	0	0
ADIDPE PLANT RETIREMENT - PROD												
PROD_DEMAND	(180,604)	(89,578)	(11,027)	(91)	(50,895)	(28,872)	(128)	(13)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(180,604)	(89,578)	(11,027)	(91)	(50,895)	(28,872)	(128)	(13)	(0)	(0)	(0)	(0)

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
TOTAL DEPR EXP ADJUSTMENTS	PROD_DEMAND	135,253,833	67,084,561	8,257,836	67,965	38,115,469	21,622,269	95,881	9,852	0	0	0	0	0
	PROD_ENERGY	2,008,793	868,144	101,627	1,647	581,359	435,093	2,233	248	13,950	4,433	59	0	59
	TRANSMISSION	13,000,381	6,437,109	792,382	6,522	3,657,376	2,096,847	9,200	945	0	0	0	0	0
	DIST_SUBS	2,298,507	1,471,141	137,582	542	441,198	219,774	14,139	80	9,625	3,059	1,367	0	1,367
	DIST_PRIMARY	2,326,020	1,558,138	146,257	574	469,125	121,985	14,975	85	10,194	3,240	1,448	0	1,448
	DIST_L_XFMR	1,987,453	1,343,798	126,069	495	403,275	89,381	12,775	73	8,792	2,794	0	0	0
	DIST_SEC_SERV	2,644,540	577,959	53,992	213	131,163	0	1,942	31	965,733	913,506	0	0	0
	CUSTOMER	10,432,773	8,795,415	1,171,982	44,015	383,959	15,663	7,599	4,601	0	8,966	573	0	573
	Total	169,952,301	88,136,266	10,787,727	121,974	44,182,923	24,601,013	158,746	15,914	1,008,294	935,998	3,447	0	3,447
	ADJ DEPRECIATION EXPENSE													

PROD_DEMAND	461,893,852	229,094,774	28,200,634	232,102	130,164,892	73,840,372	327,435	33,643	0	0	0	0	0	0
PROD_ENERGY	4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	0	9,773	129	0	129
TRANSMISSION	44,934,078	22,254,405	2,739,427	22,547	12,644,296	7,238,329	31,807	3,268	0	0	0	0	0	0
DIST_SUBS	24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	32,207	14,392	0	14,392
DIST_PRIMARY	24,158,019	16,187,542	1,519,284	5,967	4,872,755	1,261,408	155,578	879	105,908	33,658	33,658	15,040	0	15,040
DIST_L_XFMR	21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	139,032	794	95,684	30,409	30,409	0	0	0
DIST_SEC_SERV	28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	80,025	5,218	0	5,218
CUSTOMER	97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	0	0	0	0	0
Total	706,758,476	387,595,288	46,991,806	687,782	163,026,703	86,742,630	899,375	81,661	10,874,764	9,823,688	34,779	0	0	34,779

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER AMORTIZATION EXPENSE:												
AMORT WHS SPEC - MAYO, RECS												
AMORT NUCLEAR DESIGN BASIS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	443,799	220,120	27,096	223	125,066	70,948	315	32	0	0	0
AMORT DSM/EE DEBIT	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	443,799	220,120	27,096	223	125,066	70,948	315	32	0	0	0
AMORT NCENPA ACQ ADI	PROD_DEMAND	7,850,168	3,893,605	479,287	3,945	2,212,232	1,254,962	5,565	572	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	7,850,168	3,893,605	479,287	3,945	2,212,232	1,254,962	5,565	572	0	0	0
AMORT DSM/EE CREDIT	PROD_DEMAND	61,483,671	38,391,685	4,471,958	73,217	17,372,647	936,315	93,769	11,023	99,221	33,425	409
	PROD_ENERGY	61,483,671	38,391,685	4,471,958	73,217	17,372,647	936,315	93,769	11,023	99,221	33,425	409
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	198,443	66,851	819
AMORT WHS SPEC - MAYO, RECS	PROD_DEMAND	(10,645,274)	(6,647,131)	(774,274)	(12,677)	(3,007,898)	(162,113)	(16,235)	(1,909)	(17,179)	(5,787)	(71)
	PROD_ENERGY	(10,645,274)	(6,647,131)	(774,274)	(12,677)	(3,007,898)	(162,113)	(16,235)	(1,909)	(17,179)	(5,787)	(71)
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(34,358)	(11,575)	(142)

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COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL									
AMORT DSM/EE O&M DEFERRAL	PROD_DEMAND	(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)								
	PROD_ENERGY	(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)								
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
	Total	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,584)	(39,645)	(486)								
AMORT DSM/EE CAPITAL DEFERRAL	PROD_DEMAND	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)								
	PROD_ENERGY	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)								
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
	Total	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)								
AMORT NC REPS DEBIT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0								
	PROD_ENERGY	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)								
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
	Total	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)								
AMORT NC REPS DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0								
	PROD_ENERGY	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,596	90,183	3,870								
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
	Total	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,596	90,183	3,870								
AMORT SC DERP AMORTIZATION	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0								
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0								
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0								
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0								
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0								
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0								
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0								
	Total	0	0	0	0	0	0	0	0	0	0	0								

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COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
AMORT SC POLLUTION CNTL DPE DEF	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
AMORT RETIRED PLANT	PROD_ENERGY	17,628,029	8,743,328	1,076,268	8,858	4,967,701	2,818,094	12,496	1,284	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	17,628,029	8,743,328	1,076,268	8,858	4,967,701	2,818,094	12,496	1,284	0	0	0
	PROD_DEMAND	14,076,338	6,981,724	859,422	7,073	3,966,810	2,250,305	9,979	1,025	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
AMORT OTHER NC RETAIL PROD REL	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	14,076,338	6,981,724	859,422	7,073	3,966,810	2,250,305	9,979	1,025	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
AMORT SC DEFERRED ASH AMORTIZATION	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
AMORT WHL DEFERRED ASH AMORTIZATION	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0



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COS DETAIL - OPER. EXPENSE														
AMORT NC STORM DEFERRAL		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
AMORT NC EDIT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	5,220,729	3,466,935	326,576	1,278	1,050,200	309,119	33,321	188	22,683	7,209	3,221	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	1,288,793	967,006	90,336	356	219,455	0	3,250	52	6,327	2,011	0	0	0
	CUSTOMER	16,454,857	14,030,818	1,871,404	70,283	442,998	2,206	8,848	9,120	0	18,451	729	0	0
	Total	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	0	0
	PROD_DEMAND	(1,842,666)	(913,944)	(112,503)	(926)	(519,276)	(294,577)	(1,306)	(134)	(0)	(0)	(0)	(0)	(0)
AMORT RETIRED METERS	PROD_ENERGY	(11,130)	(4,810)	(563)	(9)	(3,221)	(2,411)	(12)	(1)	(77)	(25)	(0)	(0)	(0)
	TRANSMISSION	(347,498)	(170,287)	(20,962)	(173)	(96,752)	(59,056)	(243)	(25)	0	0	0	0	0
	DIST_SUBS	(134,614)	(86,159)	(8,058)	(32)	(25,839)	(12,871)	(828)	(5)	(564)	(179)	(80)	0	0
	DIST_PRIMARY	(132,599)	(88,863)	(8,340)	(33)	(26,747)	(6,909)	(854)	(4)	(581)	(185)	(83)	0	0
	DIST_L_XFMR	(120,884)	(81,735)	(7,668)	(30)	(24,529)	(5,436)	(777)	(4)	(535)	(170)	0	0	0
	DIST_SEC_SERV	(156,747)	(33,372)	(3,118)	(12)	(7,574)	0	(112)	(2)	(58,934)	(53,624)	0	0	0
	CUSTOMER	(526,450)	(443,345)	(59,068)	(2,218)	(19,889)	(864)	(388)	(222)	(0)	(428)	(28)	0	0
	Total	(3,272,588)	(1,822,515)	(220,279)	(3,433)	(723,826)	(382,124)	(4,521)	(398)	(60,691)	(54,610)	(191)	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	AMORT NC COR	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0	132
Total		377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0	132
PROD_DEMAND		575,758	285,570	35,153	289	162,253	92,043	408	42	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0
AMORT NC RETAIL CONTINUING	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	575,758	285,570	35,153	289	162,253	92,043	408	42	0	0	0	0	0
	PROD_DEMAND	1,122,944	556,969	68,561	564	316,453	179,519	796	82	0	0	0	0	0
	PROD_ENERGY	6,783	2,931	343	6	1,963	1,469	8	1	47	15	0	0	0
	TRANSMISSION	211,769	103,775	12,774	105	58,962	35,989	148	15	0	0	0	0	0
DIST_SUBS	82,036	52,506	4,910	19	15,747	7,844	505	3	344	109	49	0	0	
DIST_PRIMARY	80,807	54,154	5,082	20	16,300	4,210	520	3	354	113	50	0	0	
DIST_L_XFMR	73,668	49,810	4,615	18	14,948	3,313	474	3	326	104	0	0	0	
DIST_SEC_SERV	95,524	20,338	1,900	7	4,615	0	68	1	35,915	32,679	0	0	0	
CUSTOMER	320,825	270,180	35,997	1,352	12,121	526	236	135	0	0	261	17	17	
Total	1,994,356	1,110,663	134,241	2,092	441,109	232,871	2,755	243	36,986	33,280	116	0	116	

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COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
AMORT OTHER NC RETAIL SPECIFIC												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	0
AMORT OTHER SC RETAIL SPECIFIC												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
AMORT DISP. OF ALLOWANCES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	0
BOOK OTHER AMORTIZATIONS												
PROD_DEMAND	49,337,474	25,688,821	3,123,028	31,320	13,910,756	6,515,709	42,715	4,603	15,304	5,155	63	0
PROD_ENERGY	60,856,205	27,489,989	5,935,254	169,085	16,552,051	9,889,414	73,794	18,873	596,025	129,272	2,449	0
TRANSMISSION	(135,728)	(66,512)	(8,187)	(67)	(37,790)	(23,067)	(95)	(10)	0	0	0	0
DIST_SUBS	(52,579)	(33,653)	(3,147)	(12)	(10,092)	(5,027)	(323)	(2)	(220)	(70)	(31)	0
DIST_PRIMARY	5,168,937	3,432,226	323,318	1,265	1,039,753	306,420	32,987	186	22,455	7,137	3,189	0
DIST_L_XFMR	(47,216)	(31,925)	(2,995)	(12)	(9,581)	(2,123)	(303)	(2)	(209)	(66)	0	0
DIST_SEC_SERV	1,227,569	953,971	89,118	352	216,496	0	3,206	52	(16,692)	(18,934)	0	0
CUSTOMER	16,626,647	14,123,787	1,883,256	70,728	501,071	9,480	10,135	9,056	616,663	140,777	850	0
Total	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520	0
ADJAM REMOVE DSM												
PROD_DEMAND	(9,483,105)	(5,921,449)	(689,745)	(11,293)	(2,679,519)	(144,415)	(14,463)	(1,700)	(15,304)	(5,155)	(63)	0
PROD_ENERGY	(9,483,105)	(5,921,449)	(689,745)	(11,293)	(2,679,519)	(144,415)	(14,463)	(1,700)	(15,304)	(5,155)	(63)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(18,966,211)	(11,842,897)	(1,379,490)	(22,586)	(5,359,037)	(288,830)	(28,926)	(3,400)	(30,607)	(10,311)	(126)	0

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE											
ADJAM REMOVE REPS											
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJAM REMOVE NC EDIT IMPACT											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)
ADJAM REMOVE NC EDIT IMPACT											
PROD_DEMAND	1,842,666	913,944	112,503	926	519,276	294,577	1,306	134	0	0	0
PROD_ENERGY	11,130	4,810	563	9	3,221	2,411	12	1	77	25	0
TRANSMISSION	347,498	170,287	20,962	173	96,752	59,056	243	25	0	0	0
DIST_SUBS	134,614	86,159	8,058	32	25,839	12,871	828	5	564	179	80
DIST_PRIMARY	132,599	88,863	8,340	33	26,747	6,909	854	5	581	185	83
DIST_L_XFMR	120,884	81,735	7,668	30	24,529	5,436	777	4	535	170	0
DIST_SEC_SERV	156,747	33,372	3,118	12	7,574	0	112	2	58,934	53,624	0
CUSTOMER	526,450	443,345	59,068	2,218	19,889	864	388	222	0	428	28
Total	3,272,588	1,822,515	220,279	3,433	723,826	382,124	4,521	398	60,691	54,610	191
AMORT NC DEFERRED ASH AMORTIZATION											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066	735,897	233,875	3,091
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066	735,897	233,875	3,091
ADJAM AMORT ANNUALIZATION - PROD											
PROD_DEMAND	1,292,251	640,944	78,898	649	364,165	206,585	916	94	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,292,251	640,944	78,898	649	364,165	206,585	916	94	0	0	0
ADJAM AMORT ANNUALIZATION - ENERGY											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJAM AMORT ANNUALIZATION - STORMS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	(2,900,408)	(1,926,077)	(181,431)	(710)	(583,445)	(171,733)	(18,511)	(105)	(12,601)	(4,005)	(1,790)	(1,790)
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(715,997)	(537,226)	(50,187)	(198)	(121,919)	0	(1,806)	(29)	(3,515)	(1,117)	0	0
CUSTOMER	(9,141,597)	(7,794,907)	(1,039,670)	(39,046)	(246,110)	(1,225)	(4,915)	(5,067)	(3,515)	(10,550)	(10,550)	(405)
Total	(12,758,001)	(10,258,210)	(1,271,288)	(39,954)	(951,474)	(172,958)	(25,232)	(5,200)	(16,116)	(15,372)	(2,195)	(2,195)
ADJAM AMORT ANNUALIZATION - PLANT												
PROD_DEMAND	(1,122,944)	(556,969)	(68,561)	(564)	(316,453)	(179,519)	(796)	(82)	(0)	(0)	(0)	(0)
PROD_ENERGY	(6,783)	(2,931)	(343)	(6)	(1,963)	(1,469)	(8)	(1)	(47)	(15)	(0)	(0)
TRANSMISSION	(211,769)	(103,775)	(12,774)	(105)	(58,962)	(35,989)	(148)	(15)	0	0	0	0
DIST_SUBS	(82,036)	(52,506)	(4,910)	(19)	(15,747)	(7,844)	(505)	(3)	(344)	(109)	(49)	(49)
DIST_PRIMARY	(80,807)	(54,154)	(5,082)	(20)	(16,300)	(4,210)	(520)	(3)	(354)	(113)	(50)	(50)
DIST_L_XFMR	(73,668)	(49,810)	(4,673)	(18)	(14,948)	(3,313)	(474)	(3)	(326)	(104)	0	0
DIST_SEC_SERV	(95,524)	(20,338)	(1,900)	(7)	(4,615)	0	(68)	(1)	(35,915)	(32,679)	0	0
CUSTOMER	(320,825)	(270,180)	(35,997)	(1,352)	(12,121)	(526)	(236)	(135)	(36,986)	(33,280)	(261)	(17)
Total	(1,994,356)	(1,110,663)	(134,241)	(2,092)	(441,109)	(232,871)	(2,755)	(243)	(36,986)	(33,280)	(116)	(116)
ADJAM EOL NUCLEAR FUEL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(38)	(38)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(38)	(38)
ADJAM EOL NUCLEAR SUPPLIES												
PROD_DEMAND	1,210,858	600,574	73,928	608	341,228	193,573	858	88	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,210,858	600,574	73,928	608	341,228	193,573	858	88	0	0	0	0
ADJAM STORM DEFERRAL AMORT - DISTR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	9,151,121	6,076,995	572,436	2,240	1,840,836	541,837	58,406	330	39,759	12,636	5,646	5,646
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	2,259,052	1,695,010	158,344	625	384,670	0	5,697	92	11,090	3,524	0	0
CUSTOMER	28,842,791	24,593,831	3,280,279	123,196	776,505	3,866	15,508	15,986	50,849	32,341	1,278	1,278
Total	40,252,964	32,365,836	4,011,060	126,061	3,002,011	545,703	79,611	16,408	50,849	48,501	6,924	6,924

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
ADJAM STORM DEFERRAL AMORT - TRANS													
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJAM STORM DEFERRAL AMORT - PROD													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0	0	0	0	0
ADJAM STORM DEFERRAL AMORT - CC													
PROD_DEMAND	228,828	113,496	13,971	115	64,485	36,581	162	17	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	228,828	113,496	13,971	115	64,485	36,581	162	17	0	0	0	0	0
ADJAM AMORT ASHEVILLE CC													
PROD_DEMAND	13,593,762	6,742,371	829,958	6,831	3,830,816	2,173,158	9,637	990	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13,593,762	6,742,371	829,958	6,831	3,830,816	2,173,158	9,637	990	0	0	0	0	0
TOTAL OTHER AMORT ADJUSTMENTS													
PROD_DEMAND	7,562,315	2,532,911	350,952	(2,727)	2,123,999	2,580,540	(2,379)	(459)	(15,304)	(5,155)		(63)	
PROD_ENERGY	92,568,865	38,816,060	1,826,674	(43,306)	27,850,258	23,341,588	96,787	44	469,403	209,331		2,026	
TRANSMISSION	3,371,426	1,671,386	205,741	1,693	949,632	540,339	2,389	245	0	0		0	
DIST_SUBS	52,579	33,653	3,147	12	10,092	5,027	323	2	220	70		31	
DIST_PRIMARY	6,302,505	4,185,627	394,263	1,543	1,267,838	372,803	40,228	227	27,385	8,703		3,889	
DIST_L_XFMR	47,216	31,925	2,995	12	9,581	2,123	303	2	209	66		0	
DIST_SEC_SERV	1,604,279	1,170,819	109,376	432	265,708	0	3,935	64	30,594	23,352		0	
CUSTOMER	19,906,819	16,972,088	2,263,680	85,016	538,164	2,978	10,744	11,006	0	22,258		884	
Total	131,416,004	65,414,469	5,156,828	42,674	33,015,273	26,845,400	152,331	11,131	512,507	258,625		6,767	
ADI OTHER AMORTIZATIONS													
PROD_DEMAND	56,899,790	28,221,732	3,473,980	28,592	16,034,755	9,096,249	40,336	4,144	0	0		0	
PROD_ENERGY	153,425,070	66,306,049	7,761,928	125,778	44,402,309	33,231,002	170,581	18,917	1,065,428	338,603		4,475	
TRANSMISSION	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0	0		0	
DIST_SUBS	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)		(0)	
DIST_PRIMARY	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	49,840	15,840		7,078	
DIST_L_XFMR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)		0	
DIST_SEC_SERV	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	13,902	4,418		0	
CUSTOMER	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	1,129,170	40,542		1,734	
Total	264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170	399,402		13,287	



DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

OTHER TAXES:

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OT LABOR RELATED											
PROD_DEMAND	10,426,484	5,171,433	636,582	5,239	2,938,256	1,666,823	7,391	759	0	0	0
PROD_ENERGY	8,164,388	3,528,422	413,045	6,693	2,362,832	1,768,360	9,077	1,007	56,696	18,018	238
TRANSMISSION	832,783	413,052	50,845	418	234,684	133,132	590	61	0	0	0
DIST_SUBS	496,941	318,063	29,746	117	95,388	47,515	3,057	17	2,081	661	296
DIST_PRIMARY	766,091	510,356	48,012	188	154,253	43,475	4,905	28	3,339	1,061	474
DIST_L_XFMR	104,057	70,357	6,601	26	21,114	4,680	669	4	460	146	0
DIST_SEC_SERV	436,255	159,524	14,902	59	36,203	0	536	9	36,478	188,544	0
CUSTOMER	4,838,158	4,081,872	544,008	20,430	173,823	6,555	3,671	2,490	0	4,989	321
Total	26,065,158	14,253,079	1,743,741	33,171	6,016,553	3,670,541	29,897	4,375	99,054	213,420	1,329
OT LABOR RELATED - DSM/EE											
PROD_DEMAND	111,584	69,675	8,116	133	31,529	1,699	170	20	180	61	1
PROD_ENERGY	111,584	69,675	8,116	133	31,529	1,699	170	20	180	61	1
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1
OT LABOR RELATED - DERP											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0
OT PROPERTY TAX - PROD											
PROD_DEMAND	39,881,401	19,780,780	2,434,933	20,040	11,238,855	6,375,615	28,272	2,905	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	39,881,401	19,780,780	2,434,933	20,040	11,238,855	6,375,615	28,272	2,905	0	0	0
OT PROPERTY TAX - TRANS											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	6,386,407	3,167,595	389,918	3,209	1,799,734	1,020,959	4,527	465	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	6,386,407	3,167,595	389,918	3,209	1,799,734	1,020,959	4,527	465	0	0	0

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
OT PROPERTY TAX - DISTR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	2,498,398	1,599,080	149,547	589	479,567	238,887	15,369	87	10,462	3,325	1,486	1,486
	DIST_PRIMARY	2,453,958	1,644,639	154,346	606	495,000	127,763	15,807	89	10,760	3,420	1,528	1,528
	DIST_L_XFMR	2,252,273	1,522,854	142,867	561	457,010	101,291	14,477	83	9,963	3,166	0	0
	DIST_SEC_SERV	2,912,798	618,457	57,775	228	140,354	0	2,079	34	1,098,392	995,480	0	0
	CUSTOMER	9,606,760	8,089,155	1,077,728	40,476	364,095	15,931	7,081	4,022	0	7,759	512	512
	Total	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526	3,526
OT PROPERTY TAX - GEN	PROD_DEMAND	385,299	191,105	23,524	194	108,580	61,596	273	28	0	0	0	0
	PROD_ENERGY	224,513	97,028	11,358	184	64,976	48,628	250	28	1,559	495	7	7
	TRANSMISSION	270,141	132,934	16,364	135	75,529	44,970	190	20	0	0	0	0
	DIST_SUBS	137,854	88,232	8,252	33	26,461	13,181	848	5	577	183	82	82
	DIST_PRIMARY	143,047	95,785	8,992	35	28,847	7,546	921	5	627	199	89	89
	DIST_L_XFMR	114,816	77,632	7,283	29	23,297	5,164	738	4	508	161	0	0
	DIST_SEC_SERV	156,784	35,129	3,282	13	7,972	0	118	2	55,601	54,667	0	0
	CUSTOMER	708,296	597,605	79,637	2,991	25,565	992	512	323	0	632	40	40
	Total	2,140,751	1,315,449	158,692	3,613	361,228	182,077	3,849	414	58,872	56,339	217	217
OT FED HEAVY VEHICLE USE TAX	PROD_DEMAND	737	366	45	0	208	118	1	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	9,610	4,726	582	5	2,685	1,606	7	1	0	0	0	0
	DIST_SUBS	4,827	3,090	289	1	927	462	30	0	20	6	3	3
	DIST_PRIMARY	4,741	3,178	298	1	956	247	31	0	21	7	3	3
	DIST_L_XFMR	4,352	2,942	276	1	883	196	28	0	19	6	0	0
	DIST_SEC_SERV	5,628	1,195	112	0	271	0	4	0	2,122	1,923	0	0
	CUSTOMER	18,562	15,630	2,082	78	703	31	14	8	0	15	1	1
	Total	48,458	31,126	3,684	87	6,633	2,658	113	9	2,183	1,958	7	7
OT ELECTRIC EXCISE TAX - SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0
OT PRIVILEGE TAX	PROD_DEMAND	6,893,888	3,419,300	420,902	3,464	1,942,746	1,102,087	4,887	502	0	0	0	0
	PROD_ENERGY	41,639	17,995	2,107	34	12,051	9,019	46	5	289	92	1	1
	TRANSMISSION	1,300,078	637,088	78,423	645	361,974	220,944	911	94	0	0	0	0
	DIST_SUBS	503,627	322,342	30,146	119	96,671	48,155	3,098	17	2,109	670	299	299
	DIST_PRIMARY	496,087	332,461	31,201	123	100,067	25,847	3,195	18	2,175	691	309	309
	DIST_L_XFMR	452,259	305,791	28,688	113	91,768	20,339	2,907	17	2,001	636	0	0
	DIST_SEC_SERV	586,432	124,855	11,664	46	28,335	0	420	7	220,486	200,621	0	0
	CUSTOMER	1,969,585	1,658,667	220,989	8,300	74,410	3,232	1,450	829	0	1,602	105	105
	Total	12,243,595	6,818,499	824,120	12,844	2,708,021	1,429,623	16,914	1,489	227,060	204,312	715	715

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
OT PUC LICENSE TAX - SC													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: NC													
PROD_DEMAND	(2,543,362)	(1,261,482)	(155,283)	(1,278)	(716,737)	(406,593)	(1,803)	(185)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(15,362)	(6,639)	(777)	(13)	(4,446)	(3,327)	(17)	(2)	(107)	(34)	(0)	(0)	(0)
TRANSMISSION	(479,638)	(235,041)	(28,933)	(238)	(133,543)	(81,513)	(336)	(35)	(6)	(778)	(247)	(110)	0
DIST_SUBS	(185,803)	(118,922)	(11,122)	(44)	(35,665)	(17,766)	(1,143)	(1,179)	(7)	(802)	(255)	(114)	(114)
DIST_PRIMARY	(183,021)	(122,655)	(11,511)	(45)	(36,918)	(9,536)	(1,179)	(6)	(7)	(738)	(235)	0	0
DIST_L_XFMR	(166,852)	(112,815)	(10,584)	(42)	(33,856)	(7,504)	(1,072)	(3)	(3)	(81,344)	(74,015)	(591)	(39)
DIST_SEC_SERV	(216,352)	(46,063)	(4,303)	(17)	(10,454)	0	(155)	(306)	(306)	(0)	(0)	(0)	0
CUSTOMER	(726,639)	(611,932)	(81,530)	(3,062)	(27,452)	(1,192)	(535)	(549)	(83,769)	(75,377)	(264)		
Total	(4,517,029)	(2,515,549)	(304,042)	(4,738)	(999,070)	(527,431)	(6,240)	(549)	(83,769)	(75,377)	(264)		
OT MISC TAXES: SC													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: OTHER STATES													
PROD_DEMAND	534	265	33	0	151	85	0	0	0	0	0	0	0
PROD_ENERGY	3	1	0	0	1	1	0	0	0	0	0	0	0
TRANSMISSION	101	49	6	0	28	17	0	0	0	0	0	0	0
DIST_SUBS	39	25	2	0	7	4	0	0	0	0	0	0	0
DIST_PRIMARY	38	26	2	0	8	2	0	0	0	0	0	0	0
DIST_L_XFMR	35	24	2	0	7	2	0	0	0	0	0	0	0
DIST_SEC_SERV	45	10	1	0	2	0	0	0	0	17	16	0	0
CUSTOMER	153	129	17	1	6	0	0	0	0	0	0	0	0
Total	949	529	64	1	210	111	1	0	0	18	16	0	0
BOOK OTHER TAXES													
PROD_DEMAND	55,156,567	27,371,441	3,368,852	27,793	15,543,587	8,801,431	39,191	4,029	180	61	1		
PROD_ENERGY	8,526,766	3,706,483	433,848	7,032	2,466,942	1,824,380	9,526	1,058	58,618	18,633	246		
TRANSMISSION	8,319,483	4,120,403	507,205	4,174	2,341,091	1,340,115	5,889	605	0	0	0		
DIST_SUBS	3,455,884	2,211,910	206,860	815	663,356	330,438	21,259	120	14,472	4,599	2,055		
DIST_PRIMARY	3,680,941	2,463,789	231,341	908	742,214	195,344	23,679	134	16,119	5,123	2,289		
DIST_L_XFMR	2,760,940	1,866,784	175,133	688	560,224	124,167	17,747	101	12,214	3,882	0		
DIST_SEC_SERV	3,881,590	893,106	83,432	329	202,684	0	3,002	48	1,331,753	1,367,236	0		
CUSTOMER	16,414,875	13,831,125	1,842,933	69,213	611,151	25,548	12,192	7,367	0	14,406	940		
Total	102,197,044	56,465,041	6,849,605	110,954	23,131,248	12,641,424	132,486	13,462	1,433,355	1,413,939	5,531		

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

OTHER TAX ADJUSTMENTS:

ADJOT REMOVE DSM - PLANT RELATED

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(231,934)	(115,037)	(14,161)	(117)	(65,361)	(37,078)	(164)	(17)	(0)	(0)	(0)
PROD_ENERGY	(1,093)	(472)	(55)	(1)	(316)	(237)	(1)	(0)	(8)	(2)	(0)
TRANSMISSION	(35,482)	(17,448)	(2,148)	(18)	(9,913)	(5,928)	(25)	(3)	0	0	0
DIST_SUBS	(17,833)	(11,414)	(1,067)	(4)	(3,423)	(1,705)	(110)	(1)	(75)	(24)	(11)
DIST_PRIMARY	(17,553)	(11,764)	(1,104)	(4)	(3,541)	(914)	(113)	(1)	(77)	(24)	(11)
DIST_L_XFMR	(16,030)	(10,839)	(1,017)	(4)	(3,253)	(721)	(103)	(1)	(71)	(23)	0
DIST_SEC_SERV	(20,772)	(4,419)	(413)	(2)	(1,003)	0	(15)	(0)	(7,816)	(7,104)	0
CUSTOMER	(69,439)	(58,475)	(7,791)	(293)	(2,626)	(114)	(51)	(29)	(0)	(56)	(4)
Total	(410,137)	(229,869)	(27,756)	(442)	(89,435)	(46,697)	(582)	(51)	(8,046)	(7,234)	(25)

ADJOT REMOVE JAAR PLANT REL TAX

PROD_DEMAND	(3,745,118)	(1,857,542)	(228,656)	(1,882)	(1,055,400)	(598,711)	(2,655)	(273)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(3,745,118)	(1,857,542)	(228,656)	(1,882)	(1,055,400)	(598,711)	(2,655)	(273)	(0)	(0)	(0)

ADJOT REMOVE DSM

PROD_DEMAND	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)
PROD_ENERGY	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(223,168)	(139,351)	(16,222)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)

ADJOT REMOVE JAAR PAYROLL TAX

PROD_DEMAND	(2,079,727)	(1,031,524)	(126,976)	(1,045)	(586,082)	(332,474)	(1,474)	(151)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(2,079,727)	(1,031,524)	(126,976)	(1,045)	(586,082)	(332,474)	(1,474)	(151)	(0)	(0)	(0)

ADJOT PROPERTY TAX

PROD_DEMAND	2,298,021	1,139,796	140,304	1,155	647,598	367,372	1,629	167	0	0	0
PROD_ENERGY	10,827	4,679	548	9	3,133	2,345	12	1	75	24	0
TRANSMISSION	351,560	172,877	21,280	175	98,223	58,731	247	25	0	0	0
DIST_SUBS	176,693	113,091	10,576	42	33,916	16,895	1,087	6	740	235	105
DIST_PRIMARY	173,919	116,556	10,939	43	35,082	9,060	1,120	6	763	242	108
DIST_L_XFMR	158,830	107,392	10,075	40	32,228	7,143	1,021	6	703	223	0
DIST_SEC_SERV	205,811	43,787	4,091	16	9,937	0	147	2	77,440	70,390	0
CUSTOMER	688,009	579,380	77,192	2,899	26,014	1,132	507	289	0	559	37
Total	4,063,669	2,277,557	275,005	4,378	886,132	462,678	5,770	504	79,720	71,674	250

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS														
PROD_DEMAND	3,732,557	1,851,312	227,889	1,876	1,051,861	596,703	2,646	272	0	0	0	0	0	0
PROD_ENERGY	17,586	7,600	890	14	5,090	3,809	20	2	122	39	1	1	1	1
TRANSMISSION	571,020	280,795	34,565	284	159,539	95,394	401	41	0	0	0	0	0	0
DIST_SUBS	286,993	183,688	17,179	68	55,088	27,441	1,765	10	1,202	382	171	382	394	176
DIST_PRIMARY	282,487	189,316	17,767	70	56,981	14,715	1,820	10	1,239	394	176	394	394	176
DIST_L_XFMR	257,980	174,431	16,364	64	52,347	11,602	1,658	9	1,141	363	0	363	363	0
DIST_SEC_SERV	334,287	71,121	6,644	26	16,140	0	239	4	125,781	114,331	0	0	0	0
CUSTOMER	1,117,497	941,057	125,380	4,709	42,253	1,839	823	470	0	907	60	907	907	60
Total	6,600,408	3,699,319	446,677	7,111	1,439,299	751,504	9,372	819	129,485	116,416	407	116,416	116,416	407
ADJOT PAYROLL TAX														
PROD_DEMAND	(435,726)	(216,116)	(26,603)	(219)	(122,791)	(69,657)	(309)	(32)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(341,192)	(147,454)	(17,261)	(280)	(98,744)	(73,900)	(379)	(42)	(2,369)	(753)	(10)	(753)	(753)	(10)
TRANSMISSION	(34,802)	(17,262)	(2,125)	(17)	(9,808)	(5,564)	(25)	(3)	0	0	0	0	0	0
DIST_SUBS	(20,767)	(13,292)	(1,243)	(5)	(3,986)	(1,986)	(128)	(1)	(87)	(28)	(12)	(28)	(28)	(12)
DIST_PRIMARY	(32,015)	(21,328)	(2,006)	(8)	(6,446)	(1,817)	(205)	(1)	(140)	(44)	(20)	(44)	(44)	(20)
DIST_L_XFMR	(4,349)	(2,940)	(276)	(1)	(882)	(196)	(28)	(0)	(19)	(6)	0	(19)	(19)	0
DIST_SEC_SERV	(18,231)	(6,667)	(623)	(2)	(1,513)	0	(22)	(0)	(1,524)	(7,879)	0	0	0	0
CUSTOMER	(202,188)	(170,583)	(22,734)	(854)	(7,264)	(274)	(153)	(104)	(0)	(0)	(13)	(208)	(208)	(13)
Total	(1,089,271)	(595,641)	(72,872)	(1,386)	(251,434)	(153,393)	(1,249)	(183)	(4,140)	(8,919)	(56)	(8,919)	(8,919)	(56)
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ														
PROD_DEMAND	(7,085)	(3,514)	(433)	(4)	(1,996)	(1,133)	(5)	(1)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(5,548)	(2,398)	(281)	(5)	(1,606)	(1,202)	(6)	(1)	(39)	(12)	(0)	(12)	(12)	(0)
TRANSMISSION	(566)	(281)	(35)	(0)	(159)	(90)	(0)	(0)	0	0	0	0	0	0
DIST_SUBS	(338)	(216)	(20)	(0)	(65)	(32)	(2)	(0)	(1)	(0)	(0)	(1)	(1)	(0)
DIST_PRIMARY	(521)	(347)	(33)	(0)	(105)	(30)	(3)	(0)	(2)	(1)	(0)	(1)	(1)	(0)
DIST_L_XFMR	(71)	(48)	(4)	(0)	(14)	(3)	(0)	(0)	(0)	(0)	0	(0)	(0)	0
DIST_SEC_SERV	(296)	(108)	(10)	(0)	(25)	0	(0)	(0)	(25)	(128)	0	(128)	(128)	0
CUSTOMER	(3,287)	(2,774)	(370)	(14)	(118)	(4)	(2)	(2)	(0)	(3)	(0)	(3)	(3)	(0)
Total	(17,711)	(9,685)	(1,185)	(23)	(4,088)	(2,494)	(20)	(3)	(67)	(145)	(1)	(145)	(145)	(1)
ADJOT REMOVE EXPIRING OTH TAX - PROD														
PROD_DEMAND	(22,074)	(10,948)	(1,348)	(11)	(6,221)	(3,529)	(16)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(22,074)	(10,948)	(1,348)	(11)	(6,221)	(3,529)	(16)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
ADJOT REMOVE EXPIRING OTH TAX - LAB														
PROD_DEMAND	10,709	5,311	654	5	3,018	1,712	8	1	0	0	0	0	0	0
PROD_ENERGY	8,385	3,624	424	7	2,427	1,816	9	1	58	19	0	58	19	0
TRANSMISSION	855	424	52	0	241	137	1	0	0	0	0	0	0	0
DIST_SUBS	510	327	31	0	98	49	3	0	2	1	0	2	1	0
DIST_PRIMARY	787	524	49	0	158	45	5	0	3	3	1	3	1	0
DIST_L_XFMR	107	72	7	0	22	5	1	0	0	0	0	0	0	0
DIST_SEC_SERV	448	164	15	0	37	0	1	0	37	194	0	37	194	0
CUSTOMER	4,969	4,192	559	21	179	7	4	3	0	5	0	0	5	0
Total	26,771	14,639	1,791	34	6,179	3,770	31	4	102	219	1	102	219	1



DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJOT REMOVE MERGER RELATED- PROPERTY TAX												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(53,053)	(26,314)	(3,239)	(27)	(14,951)	(8,481)	(38)	(4)	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(53,053)	(26,314)	(3,239)	(27)	(14,951)	(8,481)	(38)	(4)	0	0	0	0
ADJOT PLANT RETIREMENT PROP TAX - PROD												
PROD_DEMAND	(1,032,164)	(511,943)	(63,018)	(519)	(290,871)	(165,006)	(732)	(75)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,032,164)	(511,943)	(63,018)	(519)	(290,871)	(165,006)	(732)	(75)	(0)	(0)	(0)	(0)
TOTAL OTHER TAX ADJUSTMENTS												
PROD_DEMAND	(1,624,125)	(819,881)	(100,463)	(893)	(457,773)	(243,501)	(1,242)	(130)	(180)	(61)	(1)	(1)
PROD_ENERGY	(422,618)	(204,096)	(23,851)	(388)	(121,544)	(69,067)	(516)	(58)	(2,340)	(747)	(10)	(10)
TRANSMISSION	799,532	392,792	48,351	398	223,173	134,199	561	58	15	566	253	0
DIST_SUBS	425,258	272,183	25,455	100	81,628	40,661	2,616	15	1,781	566	568	254
DIST_PRIMARY	407,104	272,957	25,612	101	82,130	21,059	2,623	15	1,786	568	557	0
DIST_L_XFMR	396,467	268,068	25,149	99	80,447	17,830	2,548	15	1,754	193,893	169,803	0
DIST_SEC_SERV	501,246	103,878	9,704	38	23,574	0	1,126	627	(0)	1,203	1,019	79
CUSTOMER	1,535,560	1,292,798	172,236	6,469	58,437	2,585	8,066	546	196,694	171,889	575	575
Total	2,018,425	1,578,700	182,192	5,924	(29,928)	(96,233)	1,126	546	196,694	171,889	575	575
OTHER TAXES												
PROD_DEMAND	53,532,442	26,551,561	3,268,389	26,900	15,085,813	8,557,930	37,949	3,899	0	0	0	0
PROD_ENERGY	8,104,148	3,502,387	409,997	6,644	2,345,398	1,755,313	9,010	999	56,278	17,886	236	236
TRANSMISSION	9,119,014	4,513,194	555,556	4,572	2,564,264	1,474,315	6,451	663	0	0	0	0
DIST_SUBS	3,881,142	2,484,094	232,315	916	744,984	371,099	23,875	135	16,252	5,165	2,308	2,308
DIST_PRIMARY	4,088,045	2,736,746	256,953	1,009	824,344	216,403	26,303	149	17,905	5,690	2,543	2,543
DIST_L_XFMR	3,157,407	2,134,852	200,282	787	640,671	141,997	20,295	116	13,967	4,439	0	0
DIST_SEC_SERV	4,382,836	996,984	93,136	368	226,258	0	3,351	54	1,525,646	1,537,039	0	0
CUSTOMER	17,950,435	15,123,923	2,015,169	75,682	669,588	28,133	13,319	7,993	0	15,609	1,019	1,019
Total	104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107	6,107

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE											
ADJ OPERATING INCOME BEFORE INCOME TAXES											
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
INCOME TAX CALCULATION	PROD_DEMAND	169,484,604	71,447,785	7,955,131	39,802	60,987,757	28,692,430	344,434	9,449	7,499	299
	PROD_ENERGY	35,216,361	13,608,919	1,193,048	13,077	11,827,905	7,428,293	103,202	3,007	993,648	42,883
	TRANSMISSION	39,462,005	16,447,134	1,828,361	8,790	14,155,501	6,940,758	79,336	2,125	0	0
	DIST_SUBS	15,145,235	8,290,045	700,424	1,628	3,980,794	1,529,635	268,057	398	334,637	12,531
	DIST_PRIMARY	18,972,339	10,611,779	901,454	2,124	5,091,590	1,546,650	341,473	513	426,282	15,977
	DIST_L_XFMR	13,721,886	7,779,497	659,011	1,514	3,742,674	963,036	249,333	372	314,667	11,780
	DIST_SEC_SERV	43,984,882	3,782,940	319,586	755	1,413,700	0	42,599	183	34,674,362	3,750,758
	CUSTOMER	62,481,576	51,919,991	6,256,888	142,406	3,777,360	161,783	148,770	24,452	0	38,321
	Total	398,468,887	183,888,091	19,813,902	210,097	104,977,281	47,262,584	1,577,205	40,498	36,751,097	3,872,549
INVESTMENT TAX CREDITS:	PROD_DEMAND	14,440,615	4,714,518	333,069	(1,784)	6,776,792	2,554,310	61,516	699	1,486	5
	PROD_ENERGY	3,051,897	896,482	49,951	(586)	1,258,864	630,438	18,432	223	196,912	741
	TRANSMISSION	3,336,965	1,085,266	76,551	(394)	1,572,001	589,215	14,170	157	0	0
	DIST_SUBS	1,292,989	547,374	29,326	(73)	466,402	130,506	47,875	29	66,315	216
	DIST_PRIMARY	1,687,351	700,675	37,742	(95)	595,836	201,024	60,987	38	84,477	276
	DIST_L_XFMR	1,213,036	513,663	27,592	(68)	438,218	126,511	44,531	27	62,358	204
	DIST_SEC_SERV	7,377,135	249,780	13,381	(34)	170,150	0	7,608	14	6,871,440	64,797
	CUSTOMER	4,201,259	3,434,151	261,966	(6,381)	459,955	20,376	26,571	1,810	0	662
	Total	36,601,248	12,141,909	829,577	(9,415)	11,738,218	4,252,379	281,690	2,997	7,282,987	66,901
ITC - PRODUCTION RELATED											
PROD_DEMAND	(1,752,841)	(869,392)	(107,019)	(881)	(493,963)	(280,217)	(1,243)	(128)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,752,841)	(869,392)	(107,019)	(881)	(493,963)	(280,217)	(1,243)	(128)	(0)	(0)	(0)
ITC - TRANSMISSION RELATED											
PROD_DEMAND	(11,737)	(5,821)	(717)	(6)	(3,307)	(1,876)	(8)	(1)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(153,040)	(75,254)	(9,264)	(76)	(42,757)	(25,570)	(108)	(11)	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(164,777)	(81,076)	(9,980)	(82)	(46,065)	(27,447)	(116)	(12)	(0)	(0)	(0)
ITC - DISTRIBUTION RELATED											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(45,679)	(29,237)	(2,734)	(11)	(8,768)	(4,366)	(281)	(2)	(191)	(61)	(27)
DIST_PRIMARY	(44,867)	(30,070)	(2,822)	(11)	(9,050)	(2,336)	(289)	(2)	(197)	(63)	(28)
DIST_L_XFMR	(41,179)	(27,843)	(2,612)	(10)	(8,356)	(1,852)	(265)	(2)	(182)	(58)	0
DIST_SEC_SERV	(53,256)	(11,308)	(1,056)	(4)	(2,566)	0	(38)	(1)	(20,082)	(18,201)	0
CUSTOMER	(175,645)	(147,898)	(19,705)	(740)	(6,657)	(291)	(129)	(74)	0	(142)	(9)
Total	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
ITC - GENERAL RELATED	PROD_DEMAND	(12,505)	(6,202)	(763)	(6)	(3,524)	(1,999)	(9)	(1)	(0)	(0)	(0)		(0)
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)		(0)
	TRANSMISSION	(8,767)	(4,314)	(531)	(4)	(2,451)	(1,459)	(6)	(1)	0	0	0		0
	DIST_SUBS	(4,474)	(2,864)	(268)	(1)	(859)	(428)	(28)	(0)	(19)	(6)	(3)		(3)
	DIST_PRIMARY	(4,642)	(3,109)	(292)	(1)	(936)	(245)	(30)	(0)	(20)	(6)	(3)		(3)
	DIST_L_XFMR	(3,726)	(2,519)	(236)	(1)	(756)	(168)	(24)	(0)	(16)	(5)	0		0
	DIST_SEC_SERV	(5,088)	(1,140)	(107)	(0)	(259)	0	(4)	(0)	(1,804)	(1,774)	0		0
	CUSTOMER	(22,987)	(19,395)	(2,585)	(97)	(830)	(32)	(17)	(10)	(0)	(21)	(1)		(1)
	Total	(69,476)	(42,692)	(5,150)	(117)	(11,723)	(5,909)	(125)	(13)	(1,911)	(1,828)	(7)		(7)
ITC - HARRIS DISALLOW - NCR ITC - HARRIS DISALLOW - SCR ITC - HARRIS DISALLOW - WHSLE ITC - HARRIS DISALLOW - NCEMPA		213,806	106,046	13,054	107	60,252	34,180	152	16	0	0	0		0
		0	0	0	0	0	0	0	0	0	0	0		0
		0	0	0	0	0	0	0	0	0	0	0		0
		0	0	0	0	0	0	0	0	0	0	0		0
ADI INVESTMENT TAX CREDITS	PROD_DEMAND	(1,563,276)	(775,369)	(95,445)	(786)	(440,542)	(249,912)	(1,108)	(114)	(0)	(0)	(0)		(0)
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)		(0)
	TRANSMISSION	(161,808)	(79,569)	(9,795)	(81)	(45,209)	(27,030)	(114)	(12)	0	0	0		0
	DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)		(30)
	DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(2)	(217)	(69)	(31)		(31)
	DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0		0
	DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0		0
	CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(0)	(162)	(11)		(11)
	Total	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)		(72)
TOTAL ADJ OPER EXPENSE	PROD_DEMAND	861,579,222	424,881,318	52,042,742	423,863	245,551,704	137,953,264	662,405	62,431	1,486	5	3		3
	PROD_ENERGY	1,434,641,425	620,626,520	74,567,678	1,212,590	448,364,807	274,427,489	1,811,224	179,665	10,231,326	3,176,915	43,210		43,210
	TRANSMISSION	90,042,910	44,045,577	5,363,899	43,128	25,984,659	14,523,579	75,600	6,468	0	0	0		0
	DIST_SUBS	43,479,582	27,548,244	2,553,951	9,879	8,565,506	4,163,411	307,531	1,496	243,057	56,386	30,122		30,122
	DIST_PRIMARY	80,626,047	53,364,173	4,988,353	19,316	16,499,347	4,590,243	567,377	2,897	429,171	109,822	55,348		55,348
	DIST_L_XFMR	30,234,373	20,136,042	1,868,360	7,165	6,327,246	1,431,595	231,105	1,093	190,758	41,010	0		0
	DIST_SEC_SERV	69,511,306	17,525,255	1,626,959	6,334	4,091,239	0	65,696	951	25,151,766	21,043,107	0		0
	CUSTOMER	365,257,864	308,612,387	40,928,158	1,521,081	12,917,990	444,140	280,726	178,630	0	351,780	22,972		22,972
	Total	2,975,372,729	1,516,739,516	183,940,099	3,243,356	768,302,498	437,533,721	4,001,663	433,632	36,247,564	24,779,025	151,655		151,655

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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PRODUCTION PLANT IN SERVICE:											
PRODUCTION PLANT	10,776,509,396	5,345,041,888	657,952,889	5,415,209	3,036,895,110	1,722,779,936	7,639,428	784,936	0	0	0
CONTRA AFUDC - WHS	0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL	(321,021,266)	(159,223,367)	(19,599,748)	(161,314)	(90,466,020)	(51,319,864)	(227,571)	(23,382)	(0)	(0)	(0)
CONTRA AFUDC - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(192,412,520)	(23,685,198)	(194,938)	(109,323,117)	(62,017,181)	(275,007)	(28,256)	(0)	(0)	(0)
HARRIS DISALLOWANCE - SC	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS	0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC	(11,032,277)	(5,471,900)	(673,569)	(5,544)	(3,108,972)	(1,763,668)	(7,821)	(804)	(0)	(0)	(0)
CWIP IN RATE BASE - NC RETAIL	102,930,000	51,052,260	6,284,325	51,722	29,006,388	16,454,840	72,967	7,497	0	0	0

TOTAL PRODUCTION PLANT	10,159,449,637	5,038,986,362	620,278,700	5,105,136	2,863,003,389	1,624,134,063	7,201,997	739,990	0	0	0
PROD_DEMAND											
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	10,159,449,637	5,038,986,362	620,278,700	5,105,136	2,863,003,389	1,624,134,063	7,201,997	739,990	0	0	0

TRANSMISSION PLANT IN SERVICE:											
TRANSMISSION PLANT - TRAN	1,513,105,622	750,485,397	92,381,696	760,337	426,403,661	241,891,684	1,072,635	110,211	0	0	0
TRANSMISSION PLANT - PROD	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0
TRANS PLANT - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSLE/PA	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERCMIT REL	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION PLANT	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0
PROD_DEMAND											
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,526,217,653	750,485,397	92,381,696	760,337	426,403,661	255,003,715	1,072,635	110,211	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,643,262,895	808,538,677	99,527,818	819,153	459,387,823	273,715,080	1,155,608	118,736	0	0	0

DISTRIBUTION PLANT IN SERVICE

SUBSTATIONS:

SUBSTATIONS - RETAIL	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS	0	0	0	0	0	0	0	0	0	0	0

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COS DETAIL - RATE BASE	TOTAL DIST SUBSTATIONS													
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
TOTAL DIST SUBSTATIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894			

OVERHEAD LINES:

PRIMARY POLES - CUSTOMER	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872			
PRIMARY POLES - DEMAND	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682			
SECONDARY POLES - CUSTOMER	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0			
SECONDARY POLES - DEMAND	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0			
PRIMARY CONDUCTOR - CUST	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417			
PRIMARY CONDUCTOR - DEMAND	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950			
PRIMARY COND - ADDL FAC RETAIL	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0			
PRIMARY COND - ADDL FAC WHSL	0	0	0	0	0	0	0	0	0	0	0			
SECONDARY COND - CUSTOMER	105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0			
SECONDARY COND - DEMAND	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0			

TOTAL DIST OVERHEAD LINES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	367,308,764	243,919,116	22,976,516	89,912	73,887,702	21,748,318	2,344,303	13,239	1,595,850	507,176	226,632			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	90,674,083	68,034,514	6,355,645	25,079	15,439,915	0	228,657	3,693	445,119	141,463	0			
CUSTOMER	1,157,695,274	987,150,008	131,664,232	4,944,848	31,167,465	155,185	622,477	641,654	0	1,298,115	51,290			
Total	1,615,678,121	1,299,103,638	160,996,393	5,059,839	120,495,082	21,903,503	3,195,436	658,585	2,040,969	1,946,754	277,922			

UNDERGROUND LINES:

U/G LINES - PRIMARY CUSTOMER	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305			
U/G LINES - SECONDARY CUSTOMER	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0			
U/G LINES - PRIMARY DEMAND	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251			
U/G LINES - SECONDARY DEMAND	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0			

TOTAL DIST UNDGRND LINES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0			
CUSTOMER	632,455,192	539,489,114	71,953,714	2,702,418	16,834,255	73,538	317,742	350,671	0	709,435	24,305			
Total	1,180,375,674	921,954,349	107,709,679	2,843,400	122,461,822	17,528,706	3,232,750	371,430	2,502,294	1,504,688	266,556			



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LINE TRANSFORMERS:											
COS DETAIL - RATE BASE	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST LINE TRANSFRMS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
Total	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656

SERVICES:	SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0
SERVICES - DIRECT ASSIGN RES		0	0	0	0	0	0	0	0	0	0
TOTAL DIST SERVICES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
Total	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0

METERS:												
METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0	
TOTAL DIST METERS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	
Total	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	

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COS DETAIL - RATE BASE																								
														NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
														RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
STREET LIGHTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	305,063,146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305,063,146	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total		305,063,146	0	0	0	0	0	0	0	0	0	0	0	0	0	305,063,146	0	0	0	0				
AREA LIGHTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	335,794,236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	335,794,236	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total		335,794,236	0	0	0	0	0	0	0	0	0	0	0	0	0	335,794,236	0	0	0	0				
DISTR PLANT SUBTOTAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	752,984,087	504,648,678	47,360,183	186,021	151,888,285	39,203,487	4,850,171	27,390	3,301,684	1,049,306	468,883	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	893,776,624	189,770,186	17,727,942	69,952	43,066,899	0	637,797	10,300	337,035,815	305,457,732	0	0	0	0	0	0	0	0	0				
	CUSTOMER	2,947,783,595	2,482,114,639	330,695,062	12,419,904	111,720,701	4,888,357	2,172,724	1,234,258	0	2,380,845	157,106	0	0	0	0	0	0	0	0				
Total		6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	0	0	0	0	0	0	0	0				
TOTAL DISTRIBUTION PLANT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	752,984,087	504,648,678	47,360,183	186,021	151,888,285	39,203,487	4,850,171	27,390	3,301,684	1,049,306	468,883	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	893,776,624	189,770,186	17,727,942	69,952	43,066,899	0	637,797	10,300	337,035,815	305,457,732	0	0	0	0	0	0	0	0	0				
	CUSTOMER	2,947,783,595	2,482,114,639	330,695,062	12,419,904	111,720,701	4,888,357	2,172,724	1,234,258	0	2,380,845	157,106	0	0	0	0	0	0	0	0				
Total		6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	0	0	0	0	0	0	0	0				

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
GENERAL PLANT:												
GENERAL PLANT - PROD												
PROD_DEMAND	17,310,685	8,585,928	1,056,893	8,699	4,878,271	2,767,362	12,271	1,261	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	17,310,685	8,585,928	1,056,893	8,699	4,878,271	2,767,362	12,271	1,261	0	0	0	0
GENERAL PLANT - T/D												
PROD_DEMAND	4,122,387	2,044,663	251,690	2,072	1,161,717	659,023	2,922	300	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	53,754,089	26,432,441	3,253,726	26,779	15,018,133	8,981,348	37,779	3,882	0	0	0	0
DIST_SUBS	27,000,719	17,281,593	1,616,190	6,370	5,182,780	2,581,700	166,093	938	113,066	35,933	0	16,057
DIST_PRIMARY	26,520,447	17,773,959	1,668,047	6,552	5,349,575	1,380,765	170,825	965	116,287	36,957	0	16,514
DIST_L_XFMR	24,340,792	16,457,805	1,543,997	6,067	4,939,005	1,094,672	156,457	893	107,676	34,220	0	0
DIST_SEC_SERV	31,479,225	6,683,793	624,386	2,464	1,516,836	0	22,464	363	11,870,557	10,758,362	83,854	0
CUSTOMER	103,822,297	87,421,221	11,647,232	437,435	3,934,855	172,170	76,524	43,471	0	0	0	5,533
Total	271,039,956	174,095,476	20,605,270	487,738	37,102,901	14,869,678	633,064	50,812	12,207,585	10,949,327	83,854	38,104
GENERAL PLANT - CUST/SALES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	23,806	1,177
Total	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	23,806	1,177
GENERAL PLANT - LABOR												
PROD_DEMAND	62,337,404	30,918,735	3,805,970	31,325	17,567,113	9,965,530	44,191	4,541	0	0	0	0
DIST_SUBS	2,971,089	1,901,621	177,841	701	570,300	284,083	18,276	103	12,441	3,954	0	1,767
DIST_PRIMARY	4,580,271	3,051,291	287,054	1,125	922,242	259,925	29,326	166	19,963	6,344	0	2,835
DIST_L_XFMR	622,132	420,649	39,463	155	126,237	27,979	3,999	23	2,752	875	0	0
DIST_SEC_SERV	2,608,263	953,756	89,098	352	216,448	0	3,205	52	218,093	1,127,259	29,826	1,918
CUSTOMER	28,926,164	24,404,513	3,252,493	122,145	1,039,243	39,190	21,947	14,889	0	29,826	29,826	1,918
Total	155,837,215	85,215,676	10,425,403	198,321	35,971,498	21,945,268	178,745	26,154	592,220	1,275,986	7,944	7,944

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE													
TOTAL GENERAL PLANT													
PROD_DEMAND	83,770,477	41,549,327	5,114,553	42,095	23,607,102	13,391,915	59,385	6,102	0	0	0	0	0
PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	0	0
TRANSMISSION	58,733,098	28,901,980	3,557,716	29,281	16,421,253	9,777,314	41,308	4,244	0	0	0	0	0
DIST_SUBS	29,971,808	19,183,214	1,794,032	7,071	5,753,079	2,865,783	184,370	1,041	125,507	39,887	17,824	19,349	0
DIST_PRIMARY	31,100,718	20,825,250	1,955,101	7,676	6,271,817	1,640,690	200,151	1,130	136,250	43,302	43,302	19,349	0
DIST_L_XFMR	24,962,924	16,878,454	1,583,461	6,222	5,065,242	1,122,651	160,456	916	110,428	35,095	35,095	0	0
DIST_SEC_SERV	34,087,487	7,637,550	713,484	2,815	1,733,284	0	25,669	415	12,088,649	11,885,621	11,885,621	0	0
CUSTOMER	153,995,431	129,929,202	17,314,481	650,264	5,558,363	215,569	111,310	70,127	0	137,487	137,487	8,628	0
Total	465,434,827	286,000,548	34,502,320	785,442	78,536,936	39,586,517	836,919	89,994	12,799,805	12,249,120	12,249,120	47,225	0
TOTAL TANGIBLE PLANT													
PROD_DEMAND	10,360,265,356	5,138,588,969	632,539,376	5,206,046	2,919,594,652	1,656,237,342	7,344,354	754,617	0	0	0	0	0
PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	0	0
TRANSMISSION	1,584,950,750	779,387,377	95,939,412	789,619	442,824,914	264,781,029	1,113,943	114,455	0	0	0	0	0
DIST_SUBS	796,592,080	509,852,337	47,681,857	187,939	152,905,605	76,166,912	4,900,184	27,672	3,335,730	1,060,126	1,060,126	473,718	0
DIST_PRIMARY	784,084,805	525,473,928	49,315,284	193,697	158,160,102	40,844,177	5,050,322	28,520	3,437,934	1,092,608	1,092,608	488,232	0
DIST_L_XFMR	716,060,995	484,158,118	45,421,539	178,468	145,296,361	32,203,234	4,602,672	26,278	3,167,624	1,006,701	1,006,701	0	0
DIST_SEC_SERV	927,864,111	197,407,736	18,441,426	72,767	44,800,183	0	663,466	10,714	349,124,465	317,343,353	317,343,353	0	0
CUSTOMER	3,101,779,026	2,612,043,842	348,009,542	13,070,168	117,279,064	5,103,926	2,284,034	1,304,385	0	2,518,331	2,518,331	165,734	0
Total	18,320,410,007	10,268,007,878	1,239,817,929	19,738,722	3,994,987,677	2,085,909,215	26,013,247	2,272,661	359,404,723	323,128,847	323,128,847	1,129,107	0
INTANGIBLE PLT													
PROD_DEMAND	202,551,282	100,463,429	12,366,639	101,782	57,080,356	32,380,734	143,588	14,753	0	0	0	0	0
PROD_ENERGY	954,330	412,435	48,281	782	276,190	206,702	1,061	118	6,627	2,106	2,106	28	0
TRANSMISSION	30,987,025	15,237,632	1,875,690	15,438	8,657,573	5,176,676	21,778	2,238	0	0	0	0	0
DIST_SUBS	15,573,998	9,968,012	932,218	3,674	2,989,424	1,489,123	95,802	541	65,216	20,726	20,726	9,262	0
DIST_PRIMARY	15,329,471	10,273,426	964,152	3,787	3,092,154	798,536	98,738	558	67,214	21,361	21,361	9,545	0
DIST_L_XFMR	13,999,552	9,465,669	888,027	3,489	2,840,657	629,598	89,986	514	61,930	19,682	19,682	0	0
DIST_SEC_SERV	18,140,468	3,859,475	360,544	1,423	875,879	0	12,971	209	6,825,656	6,204,310	6,204,310	0	0
CUSTOMER	60,642,203	51,067,498	6,803,858	255,532	2,292,897	99,786	44,655	25,502	0	49,235	49,235	3,240	0
Total	358,178,329	200,747,576	24,239,409	385,907	78,105,130	40,781,155	508,579	44,432	7,026,643	6,317,421	6,317,421	22,075	0
BOOK PLANT IN SERVICE													
PROD_DEMAND	10,562,816,638	5,239,052,398	644,906,015	5,307,828	2,976,675,008	1,688,618,076	7,487,942	769,371	0	0	0	0	0
PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	6,136	345,598	109,834	109,834	1,452	0
TRANSMISSION	1,615,937,776	794,625,009	97,815,103	805,057	451,482,487	269,957,705	1,135,722	116,693	0	0	0	0	0
DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,029	77,656,035	4,995,986	28,213	3,400,946	1,080,853	1,080,853	482,979	0
DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	5,149,060	29,078	3,505,148	1,113,969	1,113,969	497,777	0
DIST_L_XFMR	493,600,547	493,623,788	46,309,565	181,957	148,137,019	32,832,832	4,692,658	26,791	3,229,553	1,026,382	1,026,382	0	0
DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	323,547,664	0	0
CUSTOMER	3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	0	2,567,567	2,567,567	168,974	0
Total	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	329,446,269	1,151,182	0

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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RESERVE FOR DEPRECIATION

PRODUCTION FUNCTION:

DPR PRODUCTION RELATED	(4,543,207,819)	(2,253,386,065)	(277,382,648)	(2,282,968)	(1,280,307,482)	(726,297,077)	(3,220,663)	(330,917)	(0)	(0)	(0)
DPR NUCLEAR DECOMM. - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF - NCEMPA -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC NC RET-PROD	238,121,493	118,105,901	14,538,355	119,656	67,104,289	38,067,144	168,803	17,344	0	0	0
DPR CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW - NC	254,433,596	126,196,543	15,534,280	127,853	71,701,153	40,674,868	180,367	18,532	0	0	0
DPR HARRIS DISALLOW - SC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(168,688,680)	(20,764,889)	(170,903)	(95,843,931)	(54,370,663)	(241,099)	(24,772)	(0)	(0)	(0)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0

TOTAL PRODUCTION RESERVE	PROD_DEMAND	(4,390,757,667)	(2,177,772,300)	(268,074,901)	(2,206,361)	(1,237,345,972)	(701,925,729)	(3,112,592)	(319,812)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total		(4,390,757,667)	(2,177,772,300)	(268,074,901)	(2,206,361)	(1,237,345,972)	(701,925,729)	(3,112,592)	(319,812)	(0)	(0)	(0)

TRANSMISSION FUNCTION:

DPR TRANS RELATED - PROD	(36,728,095)	(18,216,771)	(2,242,410)	(18,456)	(10,350,232)	(5,871,514)	(26,036)	(2,675)	(0)	(0)	(0)
DPR TRANS RELATED - TRANS	(451,883,014)	(224,129,498)	(27,589,428)	(227,072)	(127,343,768)	(72,239,995)	(320,338)	(32,914)	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION RESERVE	PROD_DEMAND	(36,728,095)	(18,216,771)	(2,242,410)	(18,456)	(10,350,232)	(5,871,514)	(26,036)	(2,675)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(451,883,014)	(224,129,498)	(27,589,428)	(227,072)	(127,343,768)	(72,239,995)	(320,338)	(32,914)	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total		(488,611,108)	(242,346,269)	(29,831,839)	(245,528)	(137,694,000)	(78,111,509)	(346,375)	(35,589)	(0)	(0)	(0)



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COS DETAIL - RATE BASE	DISTRIBUTION FUNCTION:											
	DPR DISTRIBUTION RELATED											
NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)	(212,374)
DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)	(218,424)
DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0	0
DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0	0
CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(503,984)

TOTAL DISTRIBUTION RESERVE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)
	DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)
	DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0
	DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0
	CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(503,984)

GENERAL FUNCTION:  
DPR GENERAL RELATED

PROD_DEMAND	(22,326,075)	(11,073,512)	(1,363,104)	(11,219)	(6,291,643)	(3,569,144)	(15,827)	(1,626)	(0)	(0)	(0)	(0)
PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)	(379)
TRANSMISSION	(15,653,242)	(7,702,807)	(948,184)	(7,804)	(4,376,508)	(2,605,799)	(11,009)	(1,131)	0	0	0	0
DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)	(4,750)
DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)	(5,157)
DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0	0
DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0	0
CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)	(2,300)
Total	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)	(12,586)

TOTAL GENERAL RESERVE	PROD_DEMAND	(22,326,075)	(11,073,512)	(1,363,104)	(11,219)	(6,291,643)	(3,569,144)	(15,827)	(1,626)	(0)	(0)	(0)
	PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)
	TRANSMISSION	(15,653,242)	(7,702,807)	(948,184)	(7,804)	(4,376,508)	(2,605,799)	(11,009)	(1,131)	0	0	0
	DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)
	DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)
	DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0
	DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0
	CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)
Total	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)	(12,586)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL LIMITED TERM PLT RESERVE												
PROD_DEMAND	(123,992,359)	(61,498,981)	(7,570,274)	(62,306)	(34,941,907)	(19,821,961)	(87,898)	(9,031)	(0)	(0)	(0)	(0)
PROD_ENERGY	(584,196)	(252,473)	(129,555)	(479)	(169,070)	(126,534)	(650)	(72)	(4,057)	(1,289)	(17)	(17)
TRANSMISSION	(18,968,798)	(9,327,761)	(1,148,209)	(9,450)	(5,299,759)	(3,168,917)	(13,332)	(1,370)	0	0	0	0
DIST_SUBS	(9,533,668)	(6,101,947)	(570,660)	(2,249)	(1,829,985)	(911,571)	(58,646)	(331)	(39,922)	(12,688)	(5,669)	(5,669)
DIST_PRIMARY	(9,383,980)	(6,288,908)	(590,209)	(2,318)	(1,892,871)	(488,826)	(60,443)	(341)	(41,145)	(13,076)	(5,843)	(5,843)
DIST_L_XFMR	(8,569,867)	(5,794,437)	(543,608)	(2,136)	(1,738,917)	(385,410)	(55,085)	(314)	(37,910)	(12,048)	0	0
DIST_SEC_SERV	(11,104,741)	(2,362,589)	(220,708)	(871)	(536,172)	0	(7,940)	(128)	(4,178,345)	(3,797,987)	0	0
CUSTOMER	(37,122,302)	(31,261,118)	(4,165,002)	(156,425)	(1,403,604)	(61,084)	0	(27,335)	(15,611)	(0)	(30,140)	(1,984)
Total	(219,259,910)	(122,888,215)	(14,838,225)	(236,234)	(47,812,284)	(24,964,303)	(311,328)	(27,199)	(4,301,380)	(3,867,228)	(13,513)	(13,513)
BOOK DEPRECIATION RESERVE												
PROD_DEMAND	(4,573,804,196)	(2,268,561,565)	(279,250,690)	(2,298,342)	(1,288,929,753)	(731,188,348)	(3,242,353)	(333,145)	(0)	(0)	(0)	(0)
PROD_ENERGY	(13,593,554)	(5,874,756)	(687,711)	(11,144)	(3,934,071)	(2,944,287)	(15,114)	(1,676)	(94,398)	(30,000)	(397)	(397)
TRANSMISSION	(486,505,054)	(241,160,065)	(29,685,822)	(244,326)	(137,020,034)	(78,014,712)	(344,679)	(35,415)	0	0	0	0
DIST_SUBS	(374,643,924)	(239,787,822)	(22,425,177)	(88,389)	(71,912,786)	(35,821,936)	(2,304,597)	(13,014)	(1,568,822)	(498,586)	(222,793)	(222,793)
DIST_PRIMARY	(368,442,828)	(246,924,644)	(23,173,536)	(91,020)	(74,320,029)	(19,188,643)	(2,373,189)	(13,402)	(1,615,514)	(513,426)	(229,424)	(229,424)
DIST_L_XFMR	(337,163,924)	(227,970,316)	(21,387,150)	(84,033)	(68,414,132)	(15,163,190)	(2,167,211)	(12,373)	(1,491,505)	(474,014)	0	0
DIST_SEC_SERV	(436,546,390)	(92,800,637)	(8,669,245)	(34,208)	(21,060,398)	0	(311,893)	(5,037)	(164,404,886)	(149,260,086)	0	0
CUSTOMER	(1,451,359,635)	(1,222,157,257)	(162,830,528)	(6,115,417)	(54,928,952)	(2,395,728)	(1,069,143)	(609,268)	(0)	(1,175,874)	(77,469)	(77,469)
Total	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)	(530,083)
BOOK NET PLANT IN SERVICE												
PROD_DEMAND	5,989,012,442	2,970,490,833	365,655,324	3,009,486	1,687,745,255	957,429,729	4,245,589	436,226	0	0	0	0
PROD_ENERGY	36,173,660	15,633,250	1,830,062	29,655	10,468,915	7,835,010	40,219	4,460	251,200	79,834	1,055	1,055
TRANSMISSION	1,129,432,722	553,464,944	68,129,281	560,731	314,462,453	191,942,993	791,043	81,278	0	0	0	0
DIST_SUBS	437,522,154	280,032,526	26,188,898	103,224	83,982,243	41,834,099	2,691,389	15,199	1,832,124	582,266	260,186	260,186
DIST_PRIMARY	430,971,448	288,822,710	27,105,901	106,464	86,932,226	22,454,069	2,775,871	15,676	1,889,634	600,543	268,353	268,353
DIST_L_XFMR	392,896,622	265,653,472	24,922,415	97,924	79,722,887	17,669,643	2,525,448	14,418	1,738,048	552,368	0	0
DIST_SEC_SERV	509,458,189	108,466,574	10,132,725	39,982	24,615,663	0	364,544	5,887	191,545,235	174,287,578	0	0
CUSTOMER	1,711,061,594	1,440,954,083	191,982,873	7,210,283	64,643,009	2,807,983	1,259,546	720,620	0	1,391,692	91,505	91,505
Total	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099	621,099

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
BOOK PLANT IN SERVICE												
PROD_DEMAND	10,562,816,638	5,239,052,398	644,906,015	5,307,828	2,976,675,008	1,688,618,076	7,487,942	55,332	6,136	345,598	109,834	1,452
PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	1,135,722	116,693	0	0	0
TRANSMISSION	1,615,937,776	794,625,009	97,815,103	805,057	451,482,487	269,957,705	4,995,986	28,213	29,078	3,400,946	1,080,853	482,979
DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,029	77,656,035	5,149,060	26,791	3,229,553	1,026,382	1,113,969	497,777
DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	4,692,658	10,924	355,950,121	323,547,664	168,974	0
DIST_L_XFMR	730,060,547	493,623,788	46,309,565	181,957	148,137,019	4,692,658	26,791	3,229,553	1,026,382	1,113,969	497,777	0
DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	168,974	0
CUSTOMER	3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	2,567,567	2,567,567	2,567,567	168,974
Total	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,116,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182	0
PLANT IN SERVICE ADJUSTMENTS:												
ADJPLT DSDR TRANSMISSION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(362,199)	(179,647)	(22,114)	(182)	(102,070)	(57,903)	(257)	(26)	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(362,199)	(179,647)	(22,114)	(182)	(102,070)	(57,903)	(257)	(26)	0	0	0	0
ADJPLT DSDR DISTRIBUTION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(18,244,808)	(11,675,522)	(1,091,905)	(4,304)	(3,501,509)	(1,744,208)	(112,213)	(634)	(76,388)	(24,277)	(10,848)	0
DIST_PRIMARY	(17,917,333)	(12,008,167)	(1,126,940)	(4,426)	(3,614,197)	(932,851)	(115,410)	(652)	(78,564)	(24,966)	(11,157)	0
DIST_L_XFMR	(16,444,749)	(11,118,967)	(1,043,132)	(4,099)	(3,336,814)	(739,566)	(105,703)	(603)	(72,746)	(23,119)	(11,157)	0
DIST_SEC_SERV	(21,267,506)	(4,515,601)	(421,838)	(1,665)	(1,024,781)	0	(15,176)	(245)	(8,019,802)	(7,268,396)	(3,738)	0
CUSTOMER	(70,142,812)	(59,062,171)	(7,868,923)	(295,533)	(2,658,405)	(116,319)	(51,700)	(29,369)	0	(56,652)	(3,738)	0
Total	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(14,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)	(25,744)	0
ADJPLT DSDR GENERAL												
PROD_DEMAND	(2,285,971)	(1,133,819)	(139,568)	(1,149)	(644,202)	(365,445)	(1,621)	(167)	(9,250)	(0)	(0)	(0)
PROD_ENERGY	(1,332,031)	(575,667)	(67,389)	(1,092)	(385,499)	(288,510)	(1,481)	(164)	(1,127)	(0)	(39)	(0)
TRANSMISSION	(1,602,738)	(788,692)	(97,085)	(799)	(448,111)	(266,808)	(5,031)	(28)	(3,425)	(1,088)	(486)	(0)
DIST_SUBS	(817,886)	(523,481)	(48,956)	(193)	(156,993)	(78,203)	(5,031)	(28)	(3,425)	(1,088)	(486)	(0)
DIST_PRIMARY	(848,692)	(568,290)	(53,352)	(209)	(171,149)	(44,772)	(5,462)	(31)	(3,718)	(1,182)	(528)	(0)
DIST_L_XFMR	(681,201)	(460,588)	(43,210)	(170)	(138,223)	(30,635)	(4,379)	(25)	(3,013)	(958)	(0)	(0)
DIST_SEC_SERV	(930,197)	(208,417)	(19,470)	(77)	(47,299)	0	(700)	(11)	(329,881)	(3,752)	(1,289)	(0)
CUSTOMER	(4,202,305)	(3,545,574)	(472,486)	(17,745)	(151,679)	(5,883)	(3,037)	(1,914)	(349,288)	(3,752)	(1,289)	(0)
Total	(12,701,020)	(7,804,527)	(941,517)	(21,434)	(2,143,155)	(1,080,257)	(22,838)	(2,456)	(349,288)	(3,752)	(1,289)	(0)
ADJPLT DSDR INTANGIBLE												
PROD_DEMAND	(12,614,049)	(6,256,443)	(770,143)	(6,339)	(3,554,726)	(2,016,537)	(8,942)	(919)	(413)	(0)	(0)	(0)
PROD_ENERGY	(59,432)	(25,685)	(3,007)	(49)	(17,200)	(12,873)	(66)	(7)	(131)	(0)	(2)	(0)
TRANSMISSION	(1,929,743)	(948,936)	(116,810)	(961)	(539,158)	(322,382)	(1,356)	(139)	(4,061)	(1,330)	(594)	(0)
DIST_SUBS	(969,884)	(620,766)	(58,055)	(229)	(186,169)	(92,736)	(5,966)	(34)	(4,186)	(1,226)	(3,857)	(0)
DIST_PRIMARY	(954,655)	(639,786)	(60,043)	(236)	(192,566)	(49,729)	(6,149)	(32)	(425,073)	(3,066)	(1,375)	(0)
DIST_L_XFMR	(871,834)	(589,482)	(55,303)	(217)	(176,904)	(39,209)	(808)	(13)	(425,073)	(3,066)	(1,375)	(0)
DIST_SEC_SERV	(1,129,713)	(240,352)	(22,453)	(89)	(54,546)	0	(808)	(13)	(425,073)	(3,066)	(1,375)	(0)
CUSTOMER	(3,776,543)	(3,180,271)	(423,716)	(15,913)	(142,792)	(6,214)	(2,781)	(1,588)	(437,590)	(393,423)	(1,375)	(0)
Total	(22,305,852)	(12,501,722)	(1,509,529)	(24,033)	(4,864,062)	(2,539,680)	(31,672)	(2,767)	(437,590)	(393,423)	(1,375)	(0)

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ADJPLT REMOVE JAAR EPIS

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(771,579,130)	(382,695,604)	(47,108,270)	(387,719)	(217,436,352)	(123,348,015)	(546,970)	(56,200)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(771,579,130)	(382,695,604)	(47,108,270)	(387,719)	(217,436,352)	(123,348,015)	(546,970)	(56,200)	(0)	(0)	(0)

ADJPLT ADDITIONS TO EPIS PROD

PROD_DEMAND	859,879,589	426,491,756	52,499,398	432,091	242,320,033	137,464,113	609,565	62,632	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	859,879,589	426,491,756	52,499,398	432,091	242,320,033	137,464,113	609,565	62,632	0	0	0

ADJPLT ADDITIONS TO EPIS TRANS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	168,807,606	83,726,900	10,306,440	84,826	47,571,154	26,986,322	119,667	12,296	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	168,807,606	83,726,900	10,306,440	84,826	47,571,154	26,986,322	119,667	12,296	0	0	0

ADJPLT ADDITIONS TO EPIS DIST

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	92,819,527	59,408,390	5,555,927	21,899	17,816,680	8,875,028	570,973	3,224	388,682	123,527	55,198
DIST_PRIMARY	91,168,508	61,100,982	5,734,195	22,523	18,390,068	4,746,612	587,241	3,316	399,756	127,046	56,771
DIST_L_XFMR	83,675,580	56,576,481	5,307,751	20,855	16,978,662	3,763,121	537,847	3,071	370,154	117,638	0
DIST_SEC_SERV	108,215,144	22,976,667	2,146,433	8,470	5,214,380	0	77,222	1,247	40,807,041	36,983,684	0
CUSTOMER	356,906,657	300,525,195	40,039,926	1,503,756	13,526,726	591,864	263,065	149,439	0	288,264	19,022
Total	732,785,417	500,587,715	58,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159	130,990

ADJPLT ADDITIONS TO EPIS GEN

PROD_DEMAND	10,629,050	5,271,904	648,950	5,341	2,995,340	1,699,206	7,535	774	0	0	0
PROD_ENERGY	6,193,526	2,676,670	313,337	5,077	1,792,450	1,341,483	6,886	764	43,010	13,669	181
TRANSMISSION	7,452,232	3,667,170	451,414	3,715	2,083,578	1,240,575	5,241	539	0	0	0
DIST_SUBS	3,802,913	2,434,024	227,632	897	729,968	363,619	23,393	132	15,925	5,061	2,262
DIST_PRIMARY	3,946,153	2,642,370	248,069	974	795,787	208,176	25,396	143	17,288	5,494	2,455
DIST_L_XFMR	3,167,371	2,141,589	200,914	789	642,693	142,445	20,359	116	14,011	4,453	0
DIST_SEC_SERV	4,325,123	969,075	90,529	357	219,924	0	3,257	53	1,533,844	1,508,083	0
CUSTOMER	19,539,404	16,485,808	2,196,913	82,508	705,262	27,352	14,123	8,898	0	17,445	1,095
Total	59,055,772	36,288,610	4,377,758	99,659	9,965,003	5,022,856	106,191	11,419	1,624,078	1,554,205	5,992

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 12.19 E1 Item #5D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

### Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE															
ADP/LT ADDITIONS TO EPIS INT															
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL				
ADP/LT REMOVE ASHEVILLE CWP IN RATEBASE	PROD_DEMAND	14,368,176	7,126,473	877,240	7,220	4,049,052	2,296,959	10,186	1,047	0	0				
	PROD_ENERGY	67,696	29,256	3,425	55	19,592	14,663	75	8	470	149	2			
	TRANSMISSION	2,198,095	1,080,897	133,054	1,095	614,134	367,213	1,545	159	0	0	0			
	DIST_SUBS	1,104,757	707,091	66,128	261	212,058	105,632	6,796	38	4,626	1,470	657			
	DIST_PRIMARY	1,087,411	728,756	68,393	269	219,345	56,645	7,004	40	4,768	1,515	677			
	DIST_L_XFMR	993,072	671,457	62,993	248	201,505	44,661	6,383	36	4,393	1,396	0			
	DIST_SEC_SERV	1,286,812	273,776	25,576	101	62,131	0	920	15	484,185	440,109	0			
	CUSTOMER	4,301,715	3,622,524	482,638	18,126	162,649	7,078	3,168	1,809	0	3,493	230			
	Total	25,407,735	14,240,228	1,719,447	27,375	5,540,465	2,892,852	36,077	3,152	498,442	448,133	1,566			
	PROD_DEMAND	(102,930,389)	(51,052,453)	(6,284,349)	(51,723)	(29,006,498)	(16,454,902)	(72,967)	(7,497)	(0)	(0)	(0)			
ADP/LT PLANT RETIREMENT - PROD	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
	Total	(102,930,389)	(51,052,453)	(6,284,349)	(51,723)	(29,006,498)	(16,454,902)	(72,967)	(7,497)	(0)	(0)	(0)			
	PROD_DEMAND	(287,052,397)	(142,375,145)	(17,525,801)	(144,244)	(80,893,357)	(45,889,452)	(203,490)	(20,908)	(0)	(0)	(0)			
	EPIS ADJUSTMENTS	PROD_ENERGY	4,869,760	2,104,575	246,366	3,992	1,409,343	1,054,762	5,414	600	33,817	10,747	142		
TRANSMISSION		174,563,253	86,557,691	10,654,899	87,694	49,179,527	27,947,017	123,713	12,711	0	0	0			
DIST_SUBS		77,697,620	49,729,735	4,650,770	18,331	14,914,034	7,429,132	477,952	2,699	325,359	103,402	46,205			
DIST_PRIMARY		76,481,391	51,255,865	4,810,321	18,894	15,427,288	3,984,080	492,619	2,782	335,344	106,575	47,623			
DIST_L_XFMR		69,838,239	47,220,489	4,430,014	17,406	14,170,919	3,140,818	448,904	2,563	308,942	98,185	0			
DIST_SEC_SERV		90,499,664	19,255,148	1,798,776	7,098	4,369,809	0	64,714	1,045	34,050,314	30,952,759	0			
CUSTOMER		302,626,116	254,845,511	33,953,753	1,275,199	11,441,760	497,879	222,838	127,275	0	245,731	16,171			
Total		504,990,922	366,345,684	42,742,357	1,282,092	28,741,970	(2,560,384)	1,629,451	128,437	35,053,775	31,517,399	110,141			
ADP/LT IN SERVICE		PROD_DEMAND	10,271,231,517	5,094,429,067	627,103,472	5,161,307	2,894,504,298	1,642,004,003	7,281,238	748,132	0	0	0		
		PROD_ENERGY	54,636,973	23,612,580	2,764,139	44,792	15,812,330	11,834,059	60,746	6,737	379,415	120,582	1,594		
	TRANSMISSION	1,790,501,029	881,182,701	108,470,002	892,750	500,662,014	297,904,723	1,259,435	129,404	0	0	0			
	DIST_SUBS	889,863,698	569,550,083	53,264,845	209,945	170,809,063	85,085,167	5,473,938	30,912	3,726,305	1,184,255	529,185			
	DIST_PRIMARY	875,895,667	587,003,220	55,089,758	216,378	176,679,543	45,626,793	5,641,679	31,859	3,840,492	1,220,544	545,401			
	DIST_L_XFMR	799,898,786	540,844,277	50,739,579	199,363	162,307,937	35,973,650	5,141,562	29,354	3,538,495	1,124,567	0			
	DIST_SEC_SERV	1,036,504,244	220,522,360	20,600,747	81,288	50,045,871	0	741,152	11,969	390,000,434	354,500,423	0			
	CUSTOMER	3,465,047,345	2,917,956,851	388,767,154	14,600,899	13,013,721	5,701,590	2,551,526	1,457,162	0	2,813,297	185,145			
	Total	19,183,579,258	10,835,101,138	1,306,799,656	21,406,721	4,101,834,777	2,124,129,985	28,151,277	2,445,530	401,485,141	360,963,668	1,261,324			



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

BOOK DEPRECIATION RESERVE

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(4,573,804,196)	(2,268,561,565)	(279,250,690)	(2,298,342)	(1,288,929,753)	(731,188,348)	(3,242,353)	(333,145)	(0)	(0)	(0)
PROD_ENERGY	(13,593,554)	(5,874,756)	(687,711)	(11,144)	(3,934,071)	(2,944,287)	(15,114)	(1,676)	(94,398)	(30,000)	(397)
TRANSMISSION	(486,505,054)	(241,160,065)	(29,685,822)	(244,326)	(137,020,034)	(78,014,712)	(344,679)	(35,415)	0	0	0
DIST_SUBS	(374,643,924)	(239,787,822)	(22,425,177)	(88,389)	(71,912,786)	(35,821,936)	(2,304,597)	(13,014)	(1,568,822)	(498,586)	(222,793)
DIST_PRIMARY	(368,442,828)	(246,924,644)	(23,173,536)	(91,020)	(74,320,029)	(19,188,643)	(2,373,189)	(13,402)	(1,615,514)	(513,426)	(229,424)
DIST_L_XFMR	(337,163,924)	(227,970,316)	(21,387,150)	(84,033)	(68,414,132)	(15,163,190)	(2,167,211)	(12,373)	(1,491,505)	(474,014)	0
DIST_SEC_SERV	(436,546,390)	(92,800,637)	(8,669,245)	(34,208)	(21,060,398)	0	(311,893)	(5,037)	(164,404,886)	(149,260,086)	0
CUSTOMER	(1,451,359,635)	(1,222,157,257)	(162,830,528)	(6,115,417)	(54,928,952)	(2,395,728)	(1,069,143)	(609,268)	(0)	(1,175,874)	(77,469)
Total	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)

DEPRECIATION RESERVE ADJUSTMENTS:

ADIDPR DSDR Trans

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	60,165	29,841	3,673	30	16,955	9,618	43	4	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	60,165	29,841	3,673	30	16,955	9,618	43	4	0	0	0

ADIDPR DSDR Dist

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	4,870,322	3,117,210	291,524	1,149	934,857	465,680	29,959	169	20,394	6,482	2,896
DIST_PRIMARY	4,783,691	3,206,022	300,878	1,182	964,943	249,059	30,813	174	20,976	6,666	2,979
DIST_L_XFMR	4,390,531	2,968,617	278,502	1,094	890,885	197,454	28,221	161	19,422	6,173	0
DIST_SEC_SERV	5,678,143	1,205,606	112,625	444	273,603	0	4,052	65	2,141,181	1,940,566	0
CUSTOMER	18,727,204	15,768,819	2,100,898	78,903	709,759	31,056	13,803	7,841	0	15,125	998
Total	38,449,890	26,266,274	3,084,428	82,773	3,774,047	943,249	106,849	8,411	2,201,973	1,975,012	6,873

ADIDPR DSDR Gen

PROD_DEMAND	651,651	323,212	39,786	327	183,640	104,176	462	47	0	0	0
PROD_ENERGY	379,716	164,103	19,210	311	109,892	82,244	422	47	2,637	838	11
TRANSMISSION	456,885	224,829	27,675	228	127,741	76,058	321	33	0	0	0
DIST_SUBS	233,151	149,226	13,956	55	44,753	22,293	1,434	8	976	310	139
DIST_PRIMARY	241,933	162,000	15,209	60	48,788	12,763	1,557	9	1,060	337	151
DIST_L_XFMR	194,187	131,298	12,318	48	39,403	8,733	1,248	7	859	273	0
DIST_SEC_SERV	265,167	59,413	5,550	22	13,483	0	200	3	94,038	92,458	0
CUSTOMER	1,197,931	1,010,720	134,689	5,058	43,239	1,677	866	546	0	1,070	67
Total	3,620,619	2,224,799	268,394	6,110	610,939	307,944	6,510	700	99,570	95,286	367

ADIDPR DSDR INT

PROD_DEMAND	12,455,988	6,178,047	760,492	6,259	3,510,184	1,991,269	8,830	907	0	0	0
PROD_ENERGY	58,687	25,363	2,969	48	16,984	12,711	65	7	408	130	2
TRANSMISSION	1,905,562	937,045	115,346	949	532,402	318,342	1,339	138	0	0	0
DIST_SUBS	957,730	612,988	57,327	226	183,836	91,574	5,891	33	4,010	1,275	570
DIST_PRIMARY	942,693	631,769	59,291	233	190,153	49,106	6,072	34	4,133	1,314	587
DIST_L_XFMR	860,909	582,096	54,610	215	174,688	38,717	5,534	32	3,808	1,210	0
DIST_SEC_SERV	1,115,557	237,340	22,172	87	53,863	0	798	13	419,747	381,537	0
CUSTOMER	3,729,221	3,140,420	418,407	15,714	141,003	6,136	2,746	1,568	0	3,028	199
Total	22,026,348	12,345,068	1,490,614	23,732	4,803,112	2,507,857	31,275	2,732	432,107	388,493	1,358

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADIDPR YE DEPR RES- JAAR	PROD_DEMAND	94,576,975	46,909,243	5,774,337	47,525	26,652,448	15,119,489	67,045	6,889	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	94,576,975	46,909,243	5,774,337	47,525	26,652,448	15,119,489	67,045	6,889	0	0	0
	PROD_DEMAND	(226,207,584)	(112,196,720)	(13,810,959)	(113,670)	(63,746,866)	(36,162,534)	(160,358)	(16,476)	(0)	(0)	(0)
ADIDPR ADDITIONS TO EPIS- PROD	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(226,207,584)	(112,196,720)	(13,810,959)	(113,670)	(63,746,866)	(36,162,534)	(160,358)	(16,476)	(0)	(0)	(0)
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
ADIDPR ADDITIONS TO EPIS- TRANS	TRANSMISSION	(15,529,281)	(7,702,370)	(948,130)	(7,803)	(4,376,259)	(2,482,579)	(11,009)	(1,131)	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(15,529,281)	(7,702,370)	(948,130)	(7,803)	(4,376,259)	(2,482,579)	(11,009)	(1,131)	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
ADIDPR ADDITIONS TO EPIS- DIST	DIST_SUBS	(16,068,220)	(10,284,335)	(961,800)	(3,791)	(3,084,290)	(1,536,378)	(98,843)	(558)	(67,286)	(21,384)	(9,555)
	DIST_PRIMARY	(15,782,409)	(10,577,344)	(992,661)	(3,899)	(3,183,551)	(821,698)	(101,659)	(574)	(69,203)	(21,993)	(9,828)
	DIST_L_XFMR	(14,485,289)	(9,794,096)	(918,838)	(3,610)	(2,939,219)	(651,443)	(93,108)	(532)	(64,078)	(20,365)	0
	DIST_SEC_SERV	(18,733,394)	(3,977,548)	(371,574)	(1,466)	(902,674)	0	(13,368)	(216)	(7,064,209)	(6,402,338)	0
	CUSTOMER	(61,785,004)	(52,024,668)	(6,931,308)	(260,319)	(2,341,645)	(102,459)	(45,540)	(25,870)	0	(49,902)	(3,293)
	Total	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)
	PROD_DEMAND	4,201,071	2,083,689	256,494	2,111	1,183,891	671,602	2,978	306	0	0	0
	PROD_ENERGY	2,447,955	1,057,938	123,844	2,007	708,456	530,213	2,722	302	16,999	5,403	71
	TRANSMISSION	2,945,452	1,449,428	178,419	1,468	823,522	490,330	2,072	213	0	0	0
	DIST_SUBS	1,503,079	962,034	89,970	355	288,516	143,718	9,246	52	6,294	2,000	894
DIST_PRIMARY	1,559,694	1,044,382	98,048	385	314,530	82,280	10,038	57	6,833	2,172	970	
DIST_L_XFMR	1,251,885	846,451	79,410	312	254,021	56,301	8,047	46	5,538	1,760	0	
DIST_SEC_SERV	1,709,480	383,021	35,781	141	86,924	0	1,287	21	606,243	596,061	0	
CUSTOMER	7,722,836	6,515,920	868,317	32,611	278,751	10,811	5,582	3,517	0	6,895	433	
Total	23,341,452	14,342,863	1,730,284	39,390	3,938,610	1,985,255	41,971	4,513	641,907	614,291	2,368	
ADIDPR ADDITIONS TO EPIS- GEN												

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ADIDPR ADDITIONS TO EPI5- INT

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(21,615,282)	(10,720,966)	(1,319,707)	(10,862)	(6,091,336)	(3,455,514)	(15,323)	(1,574)	(0)	(0)	(0)
PROD_ENERGY	(101,841)	(44,013)	(5,152)	(83)	(29,474)	(22,058)	(113)	(13)	(707)	(225)	(3)
TRANSMISSION	(3,306,784)	(1,626,086)	(200,165)	(1,647)	(923,894)	(552,430)	(2,324)	(239)	0	0	0
DIST_SUBS	(1,661,981)	(1,063,737)	(99,482)	(392)	(319,017)	(158,912)	(10,224)	(58)	(6,960)	(2,212)	(988)
DIST_PRIMARY	(1,635,886)	(1,096,330)	(102,890)	(404)	(329,980)	(85,216)	(10,537)	(60)	(7,173)	(2,280)	(1,019)
DIST_L_XFMR	(1,493,964)	(1,010,130)	(94,766)	(372)	(303,141)	(67,188)	(9,603)	(55)	(6,609)	(2,100)	0
DIST_SEC_SERV	(1,935,862)	(411,864)	(38,476)	(152)	(93,469)	0	(1,384)	(22)	(728,401)	(662,094)	0
CUSTOMER	(6,471,439)	(5,449,674)	(726,074)	(27,269)	(244,687)	(10,649)	(4,765)	(2,721)	(0)	(5,254)	(346)
Total	(38,223,039)	(21,422,799)	(2,586,711)	(41,182)	(8,334,997)	(4,351,965)	(54,273)	(4,742)	(749,849)	(674,164)	(2,356)

ADIDPR YE DEPR RES-MERGER TRANS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	347,209	172,212	21,199	174	97,846	55,506	246	25	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	347,209	172,212	21,199	174	97,846	55,506	246	25	0	0	0

ADIDPR NEW RATES - PROD

PROD_DEMAND	(77,578,786)	(38,478,309)	(4,736,523)	(38,983)	(21,862,240)	(12,402,084)	(54,995)	(5,651)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(77,578,786)	(38,478,309)	(4,736,523)	(38,983)	(21,862,240)	(12,402,084)	(54,995)	(5,651)	(0)	(0)	(0)

ADIDPR NEW RATES - TRANS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(5,080,519)	(2,519,887)	(310,188)	(2,553)	(1,431,726)	(812,194)	(3,602)	(370)	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(5,080,519)	(2,519,887)	(310,188)	(2,553)	(1,431,726)	(812,194)	(3,602)	(370)	0	0	0

ADIDPR NEW RATES - DIST

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	468,194	299,664	28,025	110	89,870	44,767	2,880	16	1,961	623	278
DIST_PRIMARY	459,866	308,202	28,924	114	92,762	23,943	2,962	17	2,016	641	286
DIST_L_XFMR	422,071	285,379	26,773	105	85,643	18,982	2,713	15	1,867	593	0
DIST_SEC_SERV	545,852	115,897	10,827	43	26,302	0	390	6	205,836	186,551	0
CUSTOMER	1,800,285	1,515,890	201,964	7,585	68,231	2,985	1,327	754	0	1,454	96
Total	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPR NEW RATES - GEN												
PROD_DEMAND	(1,757,518)	(871,711)	(107,304)	(883)	(495,281)	(280,964)	(1,246)	(128)	(0)	(0)	(0)	(0)
PROD_ENERGY	(1,024,102)	(442,588)	(51,810)	(840)	(296,382)	(221,815)	(1,139)	(126)	(7,112)	(2,260)	(30)	(30)
TRANSMISSION	(1,232,230)	(606,368)	(74,641)	(614)	(344,520)	(205,130)	(867)	(89)	0	0	0	0
DIST_SUBS	(628,813)	(402,467)	(37,639)	(148)	(120,701)	(60,125)	(3,868)	(22)	(2,633)	(837)	(374)	(374)
DIST_PRIMARY	(652,498)	(436,917)	(41,018)	(161)	(131,584)	(34,422)	(4,199)	(24)	(2,859)	(908)	(406)	(406)
DIST_L_XFMR	(523,726)	(354,113)	(33,221)	(131)	(106,270)	(23,553)	(3,366)	(19)	(2,317)	(736)	0	0
DIST_SEC_SERV	(715,161)	(160,237)	(14,969)	(59)	(36,365)	0	(539)	(9)	(253,622)	(249,362)	0	0
CUSTOMER	(3,230,849)	(2,725,935)	(363,261)	(13,643)	(116,615)	(4,523)	(2,335)	(1,471)	(2,884)	(0)	(181)	(181)
Total	(9,764,896)	(6,000,337)	(723,864)	(16,479)	(1,647,717)	(830,531)	(17,559)	(1,888)	(268,542)	(256,988)	(991)	(991)
ADIDPR PLANT RETIREMENT - PROD												
PROD_DEMAND	210,671,327	104,490,891	12,862,403	105,863	59,368,641	33,678,840	149,344	15,345	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	210,671,327	104,490,891	12,862,403	105,863	59,368,641	33,678,840	149,344	15,345	0	0	0	0
TOTAL DEPR RESERVE ADJUSTS												
PROD_DEMAND	(4,602,158)	(2,282,625)	(280,982)	(2,313)	(1,296,920)	(735,721)	(3,262)	(335)	(0)	(0)	(0)	(0)
PROD_ENERGY	1,760,414	760,802	89,061	1,443	509,476	381,296	1,957	217	12,225	3,885	51	51
TRANSMISSION	(19,433,541)	(9,641,355)	(1,186,812)	(9,768)	(5,477,933)	(3,102,477)	(13,780)	(1,416)	0	0	0	0
DIST_SUBS	(10,326,538)	(6,609,417)	(618,119)	(2,436)	(1,982,176)	(987,382)	(63,523)	(359)	(43,242)	(13,743)	(6,141)	(6,141)
DIST_PRIMARY	(10,082,915)	(6,758,217)	(634,219)	(2,491)	(2,033,937)	(524,185)	(64,953)	(367)	(44,216)	(14,052)	(6,279)	(6,279)
DIST_L_XFMR	(9,383,396)	(6,344,498)	(595,212)	(2,339)	(1,903,991)	(421,997)	(60,314)	(344)	(41,509)	(13,192)	0	0
DIST_SEC_SERV	(12,070,219)	(2,548,372)	(238,064)	(939)	(578,334)	0	(8,565)	(138)	(4,116,621)	(4,116,621)	0	0
CUSTOMER	(38,309,814)	(32,248,508)	(4,296,368)	(161,359)	(1,461,966)	(64,965)	(28,316)	(15,837)	(0)	(30,469)	(2,027)	(2,027)
Total	(102,448,167)	(65,672,190)	(7,760,713)	(180,202)	(14,225,780)	(5,455,432)	(240,757)	(18,579)	(4,695,929)	(4,184,191)	(14,395)	(14,395)
ADI DEPRECIATION RESERVE												
PROD_DEMAND	(4,578,406,354)	(2,270,844,189)	(279,531,672)	(2,300,655)	(1,290,226,673)	(731,924,069)	(3,245,615)	(333,480)	(0)	(0)	(0)	(0)
PROD_ENERGY	(11,833,139)	(5,113,954)	(598,650)	(9,701)	(3,424,595)	(2,562,991)	(13,156)	(1,459)	(82,173)	(26,115)	(345)	(345)
TRANSMISSION	(505,938,594)	(250,801,420)	(30,872,633)	(254,094)	(142,497,968)	(81,117,189)	(358,459)	(36,831)	0	0	0	0
DIST_SUBS	(384,970,462)	(246,397,239)	(23,043,295)	(90,826)	(73,894,962)	(36,809,318)	(2,368,121)	(13,373)	(1,612,064)	(512,329)	(228,934)	(228,934)
DIST_PRIMARY	(378,525,743)	(253,682,861)	(23,807,755)	(93,511)	(76,353,966)	(19,712,828)	(2,438,142)	(13,769)	(1,659,730)	(527,478)	(235,704)	(235,704)
DIST_L_XFMR	(346,547,320)	(234,314,814)	(21,982,363)	(86,372)	(70,318,122)	(15,585,187)	(2,227,525)	(12,717)	(1,533,014)	(487,206)	0	0
DIST_SEC_SERV	(448,616,610)	(95,349,010)	(8,907,309)	(35,147)	(21,638,732)	0	(320,458)	(5,175)	(168,984,072)	(133,376,706)	0	0
CUSTOMER	(1,489,669,449)	(1,254,405,764)	(167,126,896)	(6,276,776)	(56,390,918)	(2,460,693)	(1,097,459)	(625,104)	(0)	(1,206,343)	(79,496)	(79,496)
Total	(8,144,507,672)	(4,610,909,251)	(555,870,573)	(9,147,081)	(1,734,745,936)	(890,172,276)	(12,068,936)	(1,041,909)	(173,871,053)	(156,136,178)	(544,479)	(544,479)
BOOK NET PLANT IN SERVICE												
PROD_DEMAND	5,989,012,442	2,970,490,833	365,655,324	3,009,486	1,687,745,255	957,429,729	4,245,589	436,226	0	0	0	0
PROD_ENERGY	36,173,660	15,633,250	1,830,662	29,655	10,468,915	7,835,010	40,219	4,460	251,200	79,834	1,055	1,055
TRANSMISSION	1,129,432,722	553,464,944	68,129,281	560,731	314,462,453	191,942,993	791,043	81,278	0	0	0	0
DIST_SUBS	437,522,154	280,032,526	26,188,998	103,224	83,982,243	41,834,099	2,691,389	15,199	1,832,124	582,266	260,186	260,186
DIST_PRIMARY	430,971,448	288,822,710	27,105,901	106,464	86,937,226	22,454,069	2,775,871	15,676	1,889,634	600,543	268,353	268,353
DIST_L_XFMR	392,896,622	265,653,472	24,922,415	97,924	79,722,887	17,669,643	2,525,448	14,418	1,738,048	552,368	0	0
DIST_SEC_SERV	509,458,189	108,466,574	10,132,725	39,982	24,615,663	0	364,544	5,887	191,545,235	174,287,578	0	0
CUSTOMER	1,711,061,594	1,440,954,083	191,982,873	7,210,283	64,643,009	2,807,983	1,259,546	720,620	0	1,391,692	91,505	91,505
Total	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099	621,099

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE																
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
ADJ NET PLANT IN SERV	PROD_DEMAND	5,692,825,163	2,823,584,877	347,571,800	2,860,652	1,604,277,625	910,079,935	4,035,623	414,652	0	0	0				
	PROD_ENERGY	42,803,834	18,498,627	2,165,489	35,091	12,387,735	9,271,068	47,590	5,278	297,242	94,466	1,249				
	TRANSMISSION	1,284,562,434	630,381,281	77,597,368	638,657	358,164,046	216,787,533	900,976	92,573	0	0	0				
	DIST_SUBS	504,893,236	323,152,844	30,221,550	119,119	96,914,102	48,275,849	3,105,818	17,539	2,114,241	671,926	300,250				
	DIST_PRIMARY	497,369,924	333,320,359	31,282,003	122,867	100,325,577	25,913,965	3,203,537	2,180,762	693,067	309,697	0				
	DIST_L_XFMR	453,351,466	306,529,463	28,757,217	112,991	91,989,815	20,388,463	2,914,037	16,637	2,005,481	637,361	0				
	DIST_SEC_SERV	587,887,634	125,173,350	11,693,438	46,141	28,407,139	0	420,694	6,794	221,016,362	201,123,717	0				
	CUSTOMER	1,975,377,896	1,663,551,086	221,640,258	8,324,123	74,622,803	3,240,897	1,454,067	832,058	0	1,606,954	105,649				
	Total	11,039,071,586	6,224,191,887	750,929,123	12,259,640	2,367,088,841	1,233,957,710	16,082,342	1,403,621	227,614,088	204,827,490	716,845				



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COS DETAIL - RATE BASE

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL
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PLANT HELD FOR FUTURE USE

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

BOOK NUCLEAR FUEL INVENTORY

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716

ADINUC NUC FUEL - JAAR

PROD_DEMAND	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)

ADI NUCLEAR FUEL INVENTORY

PROD_DEMAND	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,496,974	236,601	26,397	1,598,938	508,158	6,716

ACCUM DEFERRED INCOME TAXES:

DFTR NC CLEAN AIR

PROD_DEMAND	17,880,376	8,868,489	1,091,675	8,985	5,038,814	2,858,435	12,675	1,302	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	17,880,376	8,868,489	1,091,675	8,985	5,038,814	2,858,435	12,675	1,302	0	0	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE																								
														RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
DFTR ALL PLANT RELATED	PROD_DEMAND	(958,473,611)	(475,393,415)	(58,518,993)	(481,634)	(270,104,513)	(153,225,784)	(679,458)	(69,813)	(0)	(0)	(0)	(0)	(958,473,611)	(475,393,415)	(58,518,993)	(481,634)	(270,104,513)	(153,225,784)	(679,458)	(69,813)	(0)	(0)	(0)
	PROD_ENERGY	(5,789,185)	(2,501,925)	(292,881)	(4,746)	(1,675,431)	(1,253,905)	(6,437)	(714)	(40,202)	(12,776)	(169)	(5,789,185)	(2,501,925)	(292,881)	(4,746)	(1,675,431)	(1,253,905)	(6,437)	(714)	(40,202)	(12,776)	(169)	(169)
	TRANSMISSION	(180,752,915)	(88,575,796)	(10,903,320)	(89,739)	(50,326,154)	(30,718,302)	(126,597)	(13,008)	0	0	0	(180,752,915)	(88,575,796)	(10,903,320)	(89,739)	(50,326,154)	(30,718,302)	(126,597)	(13,008)	0	0	0	0
	DIST_SUBS	(70,020,465)	(44,816,034)	(4,191,237)	(16,520)	(13,440,407)	(6,695,074)	(430,726)	(2,432)	(293,211)	(93,185)	(41,640)	(70,020,465)	(44,816,034)	(4,191,237)	(16,520)	(13,440,407)	(6,695,074)	(430,726)	(2,432)	(293,211)	(93,185)	(41,640)	(41,640)
	DIST_PRIMARY	(68,972,099)	(46,222,804)	(4,337,992)	(17,038)	(13,912,518)	(3,593,519)	(444,247)	(2,509)	(302,415)	(96,110)	(42,947)	(68,972,099)	(46,222,804)	(4,337,992)	(17,038)	(13,912,518)	(3,593,519)	(444,247)	(2,509)	(302,415)	(96,110)	(42,947)	(42,947)
	DIST_L_XFMR	(62,878,655)	(42,514,829)	(3,988,550)	(15,672)	(12,758,745)	(2,827,826)	(404,169)	(2,307)	(278,155)	(88,400)	0	(62,878,655)	(42,514,829)	(3,988,550)	(15,672)	(12,758,745)	(2,827,826)	(404,169)	(2,307)	(278,155)	(88,400)	0	0
	DIST_SEC_SERV	(81,533,013)	(17,358,847)	(1,621,628)	(6,399)	(3,939,458)	0	(58,341)	(942)	(30,654,645)	(27,892,753)	0	(81,533,013)	(17,358,847)	(1,621,628)	(6,399)	(3,939,458)	0	(58,341)	(942)	(30,654,645)	(27,892,753)	0	0
	CUSTOMER	(273,836,029)	(230,608,381)	(30,724,684)	(1,153,924)	(10,345,381)	(449,386)	(201,576)	(115,327)	(0)	(222,725)	(14,644)	(273,836,029)	(230,608,381)	(30,724,684)	(1,153,924)	(10,345,381)	(449,386)	(201,576)	(115,327)	(0)	(222,725)	(14,644)	(14,644)
	Total	(1,702,255,973)	(947,992,030)	(114,579,285)	(1,785,672)	(376,502,608)	(198,763,797)	(2,351,552)	(207,052)	(31,568,627)	(28,405,950)	(99,400)	(1,702,255,973)	(947,992,030)	(114,579,285)	(1,785,672)	(376,502,608)	(198,763,797)	(2,351,552)	(207,052)	(31,568,627)	(28,405,950)	(99,400)	(99,400)
DFTR TRANSMISSION RELATED	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND	PROD_DEMAND	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0	0
SC RETAIL - HARRIS ACCELERATED DEPR UNWIND	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT NC RETAIL - FED TAX CHANGE	PROD_DEMAND	153,516,710	76,142,767	9,372,865	77,142	43,262,074	24,541,853	108,827	11,182	0	0	0	153,516,710	76,142,767	9,372,865	77,142	43,262,074	24,541,853	108,827	11,182	0	0	0	0
	PROD_ENERGY	927,242	400,728	46,910	760	268,350	200,835	1,031	114	6,439	2,046	27	927,242	400,728	46,910	760	268,350	200,835	1,031	114	6,439	2,046	27	27
	TRANSMISSION	28,950,816	14,187,000	1,746,362	14,373	8,060,635	4,920,086	20,277	2,083	0	0	0	28,950,816	14,187,000	1,746,362	14,373	8,060,635	4,920,086	20,277	2,083	0	0	0	0
	DIST_SUBS	11,215,031	7,178,090	671,302	2,646	2,152,722	1,072,336	68,989	390	46,963	14,925	6,669	11,215,031	7,178,090	671,302	2,646	2,152,722	1,072,336	68,989	390	46,963	14,925	6,669	6,669
	DIST_PRIMARY	11,047,117	7,403,410	694,807	2,729	2,228,339	575,566	71,154	402	48,437	15,394	6,879	11,047,117	7,403,410	694,807	2,729	2,228,339	575,566	71,154	402	48,437	15,394	6,879	6,879
	DIST_L_XFMR	10,071,142	6,809,511	638,838	2,510	2,043,541	452,927	64,735	370	44,551	14,159	0	10,071,142	6,809,511	638,838	2,510	2,043,541	452,927	64,735	370	44,551	14,159	0	0
	DIST_SEC_SERV	13,058,972	2,780,330	259,733	1,025	630,975	0	9,344	151	4,909,890	4,467,524	2,346	13,058,972	2,780,330	259,733	1,025	630,975	0	9,344	151	4,909,890	4,467,524	2,346	2,346
	CUSTOMER	43,859,743	36,936,061	4,921,108	184,822	1,656,998	71,977	32,286	18,472	0	35,673	2,346	43,859,743	36,936,061	4,921,108	184,822	1,656,998	71,977	32,286	18,472	0	35,673	2,346	2,346
	Total	272,646,772	151,837,897	18,351,924	286,007	60,303,634	31,835,581	376,643	33,163	5,056,281	4,549,721	15,921	272,646,772	151,837,897	18,351,924	286,007	60,303,634	31,835,581	376,643	33,163	5,056,281	4,549,721	15,921	15,921

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DFTR EDIT SC RETAIL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
BOOK ACCUM DEFERRED INC TAX												
PROD_DEMAND	(707,975,612)	(351,148,889)	(43,224,998)	(355,759)	(199,512,439)	(113,180,078)	(501,881)	(51,567)	(0)	(0)	(0)	(0)
PROD_ENERGY	(4,861,943)	(2,101,197)	(245,971)	(3,986)	(1,407,081)	(1,053,069)	(5,406)	(599)	(33,763)	(10,730)	(142)	(142)
TRANSMISSION	(151,802,100)	(74,388,796)	(9,156,958)	(75,365)	(42,265,519)	(25,798,216)	(106,321)	(10,924)	0	0	0	0
DIST_SUBS	(58,805,434)	(37,637,944)	(3,519,935)	(13,874)	(11,287,685)	(5,622,738)	(361,738)	(2,043)	(246,248)	(78,260)	(34,970)	(34,970)
DIST_PRIMARY	(57,924,983)	(38,819,394)	(3,643,185)	(14,309)	(11,684,179)	(3,017,953)	(373,093)	(1,938)	(253,977)	(80,716)	(36,068)	(36,068)
DIST_L_XFMR	(52,807,512)	(35,705,318)	(3,349,712)	(13,162)	(10,715,204)	(2,374,899)	(339,434)	(791)	(233,603)	(74,241)	0	0
DIST_SEC_SERV	(68,474,041)	(14,578,517)	(1,361,895)	(5,374)	(3,308,483)	0	(48,997)	(96,855)	(25,744,755)	(23,425,229)	0	0
CUSTOMER	(229,976,286)	(193,672,320)	(25,803,576)	(969,103)	(8,688,383)	(377,409)	(169,290)	(166,825)	(26,512,347)	(23,856,228)	(12,299)	(12,299)
Total	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)	(83,479)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 12.19 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ACCUM DEF TAX ADJUSTMENTS:

ADDIFTR REMOVE DSM

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	25,460,044	15,897,782	1,851,813	30,319	7,193,916	387,723	38,829	4,565	41,087	13,841	170
PROD_ENERGY	25,460,044	15,897,782	1,851,813	30,319	7,193,916	387,723	38,829	4,565	41,087	13,841	170
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	50,920,087	31,795,563	3,703,625	60,637	14,387,832	775,446	77,659	9,129	82,174	27,683	339

ADDIFTR REMOVE REPS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)

ADDIFTR REMOVE JAAR: PLANT REL

PROD_DEMAND	24,251,302	12,028,405	1,480,648	12,186	6,834,185	3,876,919	17,192	1,766	0	0	0
PROD_ENERGY	146,478	63,304	7,410	120	42,392	31,726	163	18	1,017	323	4
TRANSMISSION	4,573,411	2,241,145	275,876	2,271	1,273,352	777,235	3,203	329	0	0	0
DIST_SUBS	1,771,658	1,133,935	106,047	418	340,069	169,399	10,898	62	7,419	2,358	1,054
DIST_PRIMARY	1,745,132	1,169,529	109,760	431	352,015	90,923	11,240	63	7,652	2,432	1,087
DIST_L_XFMR	1,590,956	1,075,710	100,918	397	322,822	71,550	10,226	58	7,038	2,237	0
DIST_SEC_SERV	2,062,949	439,214	41,030	162	99,676	0	1,476	24	775,624	705,743	0
CUSTOMER	6,928,600	5,834,854	777,396	29,197	261,759	11,370	5,100	2,918	0	5,635	371
Total	43,070,485	23,986,097	2,899,085	45,181	9,526,270	5,029,122	59,499	5,239	798,749	718,727	2,515

ADDIFTR REMOVE DSDR - TRANS PLANT

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	46,094	22,862	2,814	23	12,990	7,369	33	3	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	46,094	22,862	2,814	23	12,990	7,369	33	3	0	0	0

ADDIFTR REMOVE DSDR - DISTR PLANT

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	2,286,087	1,463,192	136,839	539	438,814	218,586	14,063	79	9,573	3,042	1,359
DIST_PRIMARY	2,245,424	1,504,879	141,230	555	452,936	116,906	14,463	82	9,846	3,129	1,398
DIST_L_XFMR	2,060,877	1,393,444	130,727	514	418,174	92,683	13,247	76	9,117	2,897	0
DIST_SEC_SERV	2,665,272	565,901	52,865	209	128,427	0	1,902	31	1,005,052	910,885	0
CUSTOMER	8,790,389	7,401,749	986,144	37,037	333,155	14,577	6,479	3,681	0	7,100	468
Total	18,048,049	12,329,164	1,447,804	38,853	1,771,505	442,753	50,154	3,948	1,033,587	927,054	3,226

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE																
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LG5	SI	TSS	ALS	SLS	SFL				
ADIDFTR REMOVE DSDR - GEN PLANT																
PROD_DEMAND	286,481	142,092	17,491	144	80,732	45,798	203	21	0	0	0	0	0	0	0	0
PROD_ENERGY	166,932	72,143	8,445	137	48,311	36,156	186	21	1,159	368	5	0	0	0	0	0
TRANSMISSION	200,857	98,840	12,167	100	56,158	33,437	141	15	0	0	0	0	0	0	0	0
DIST_SUBS	102,499	65,603	6,135	24	19,675	9,800	631	4	429	136	61	0	0	0	0	0
DIST_PRIMARY	106,359	71,219	6,686	26	21,449	5,611	684	4	466	148	66	0	0	0	0	0
DIST_L_XFMR	85,369	57,721	5,415	21	17,322	3,839	549	3	378	120	0	0	0	0	0	0
DIST_SEC_SERV	116,573	26,119	2,440	10	5,928	0	88	1	41,341	40,647	0	0	0	0	0	0
CUSTOMER	526,638	444,336	59,213	2,224	19,009	737	381	240	0	0	470	30	162	16	0	0
Total	1,591,708	978,074	117,992	2,686	268,583	135,379	2,862	308	43,773	41,890	162	0	0	0	0	0
ADIDFTR REMOVE DSDR - INTANG PLANT																
PROD_DEMAND	1,580,809	784,066	96,515	794	445,483	252,715	1,121	115	0	0	0	0	0	0	0	0
PROD_ENERGY	7,448	3,219	377	6	2,156	1,613	8	1	52	16	0	0	0	0	0	0
TRANSMISSION	241,838	118,922	14,639	120	67,568	40,401	170	17	0	0	0	0	0	0	0	0
DIST_SUBS	121,547	77,795	7,275	29	23,331	11,622	748	4	509	162	72	0	0	0	0	0
DIST_PRIMARY	119,639	80,179	7,525	30	24,133	6,232	771	4	525	167	74	0	0	0	0	0
DIST_L_XFMR	109,259	73,875	6,931	27	22,170	4,914	702	4	483	154	0	0	0	0	0	0
DIST_SEC_SERV	141,577	30,121	2,814	11	6,836	0	101	2	53,271	48,421	0	0	0	0	0	0
CUSTOMER	473,281	398,556	53,101	1,994	17,895	779	349	199	0	0	384	25	172	16	0	0
Total	2,795,399	1,566,732	189,176	3,012	609,571	318,276	3,969	347	54,839	49,304	172	0	0	0	0	0
ADIDFTR ADDITIONS TO EPIS - PROD																
PROD_DEMAND	(22,312,384)	(11,066,721)	(1,362,268)	(11,212)	(6,287,785)	(3,566,955)	(15,817)	(1,625)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(22,312,384)	(11,066,721)	(1,362,268)	(11,212)	(6,287,785)	(3,566,955)	(15,817)	(1,625)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ADIDFTR ADDITIONS TO EPIS - TRANS																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(1,233,456)	(611,782)	(75,308)	(620)	(347,596)	(197,186)	(874)	(90)	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,233,456)	(611,782)	(75,308)	(620)	(347,596)	(197,186)	(874)	(90)	0	0	0	0	0	0	0	0
ADIDFTR ADDITIONS TO EPIS - DIST																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(775,943)	(496,636)	(46,446)	(183)	(148,942)	(74,193)	(4,773)	(27)	(3,249)	(1,033)	(461)	0	0	0	0	0
DIST_PRIMARY	(762,141)	(510,785)	(47,936)	(188)	(153,735)	(39,680)	(4,909)	(28)	(3,342)	(1,062)	(475)	0	0	0	0	0
DIST_L_XFMR	(699,502)	(472,962)	(44,371)	(174)	(141,936)	(31,459)	(4,496)	(26)	(3,094)	(983)	0	0	0	0	0	0
DIST_SEC_SERV	(904,645)	(192,078)	(17,944)	(71)	(43,591)	0	(646)	(10)	(341,134)	(309,172)	0	0	0	0	0	0
CUSTOMER	(2,983,630)	(2,512,298)	(334,716)	(12,571)	(113,079)	(4,948)	(2,199)	(1,249)	0	(2,410)	(159)	0	0	0	0	0
Total	(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)	0	0	0	0	0



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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ADIDFTR ADDITIONS TO EPIS - GEN	PROD_DEMAND	(250,210)	(124,102)	(15,276)	(126)	(70,511)	(40,000)	(177)	(18)	(0)	(0)	(0)	(0)	(0)	(0)
	PROD_ENERGY	(145,797)	(63,009)	(7,376)	(120)	(42,195)	(31,579)	(162)	(18)	(1,012)	(322)	(4)	(4)	(4)	(4)
	TRANSMISSION	(175,427)	(86,326)	(10,626)	(87)	(49,048)	(29,203)	(123)	(13)	0	0	0	0	0	0
	DIST_SUBS	(89,521)	(57,297)	(5,359)	(21)	(17,184)	(8,560)	(551)	(3)	(375)	(119)	(53)	(53)	(53)	(53)
	DIST_PRIMARY	(92,893)	(62,202)	(5,840)	(23)	(18,733)	(4,900)	(598)	(3)	(407)	(129)	(58)	(58)	(58)	(58)
	DIST_L_XFMR	(74,561)	(50,413)	(4,730)	(19)	(15,129)	(3,353)	(479)	(3)	(330)	(105)	0	0	0	0
	DIST_SEC_SERV	(101,814)	(22,812)	(2,131)	(8)	(5,177)	0	(77)	(1)	(36,107)	(35,501)	0	0	0	0
	CUSTOMER	(459,961)	(388,079)	(51,716)	(1,942)	(16,602)	(644)	(332)	(209)	(0)	(411)	(26)	(26)	(26)	(26)
	Total	(1,390,184)	(854,241)	(103,053)	(2,346)	(234,578)	(118,239)	(2,500)	(269)	(38,231)	(36,586)	(141)	(141)	(141)	(141)
ADIDFTR ADDITIONS TO EPIS - INT	PROD_DEMAND	(105,904)	(52,527)	(6,466)	(53)	(29,844)	(16,930)	(75)	(8)	(0)	(0)	(0)	(0)	(0)	(0)
	PROD_ENERGY	(499)	(216)	(25)	(0)	(144)	(108)	(1)	(0)	(3)	(1)	(0)	(0)	(0)	(0)
	TRANSMISSION	(16,202)	(7,967)	(981)	(8)	(4,527)	(2,707)	(11)	(1)	0	0	0	0	0	0
	DIST_SUBS	(8,143)	(5,212)	(487)	(2)	(1,563)	(779)	(50)	(0)	(34)	(11)	(5)	(5)	(5)	(5)
	DIST_PRIMARY	(8,015)	(5,371)	(504)	(2)	(1,617)	(418)	(52)	(0)	(35)	(11)	(5)	(5)	(5)	(5)
	DIST_L_XFMR	(7,320)	(4,949)	(464)	(2)	(1,485)	(329)	(47)	(0)	(32)	(10)	0	0	0	0
	DIST_SEC_SERV	(9,485)	(2,018)	(189)	(1)	(458)	0	(7)	(0)	(3,569)	(3,244)	0	0	0	0
	CUSTOMER	(31,707)	(26,701)	(3,557)	(134)	(1,199)	(52)	(23)	(13)	(0)	(26)	(2)	(2)	(2)	(2)
	Total	(187,273)	(104,961)	(12,674)	(202)	(40,837)	(21,322)	(266)	(23)	(3,674)	(3,303)	(12)	(12)	(12)	(12)
ADIDFTR ADIT RELATED TO ASH DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(98,211,506)	(42,444,282)	(4,968,618)	(80,514)	(28,423,110)	(21,272,057)	(109,193)	(12,109)	(682,009)	(216,749)	(2,865)	(2,865)	(2,865)	(2,865)
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(98,211,506)	(42,444,282)	(4,968,618)	(80,514)	(28,423,110)	(21,272,057)	(109,193)	(12,109)	(682,009)	(216,749)	(2,865)	(2,865)	(2,865)	(2,865)
ADIDFTR RATE CASE EXP DEFERRAL	PROD_DEMAND	(348,337)	(172,772)	(21,267)	(175)	(98,164)	(55,687)	(247)	(25)	(0)	(0)	(0)	(0)	(0)	(0)
	PROD_ENERGY	(2,104)	(909)	(106)	(2)	(609)	(456)	(2)	(0)	(15)	(5)	(0)	(0)	(0)	(0)
	TRANSMISSION	(65,691)	(32,191)	(3,963)	(33)	(18,290)	(11,164)	(46)	(5)	0	0	0	0	0	0
	DIST_SUBS	(25,447)	(16,287)	(1,523)	(6)	(4,885)	(2,433)	(157)	(1)	(107)	(34)	(15)	(15)	(15)	(15)
	DIST_PRIMARY	(25,066)	(16,799)	(1,577)	(6)	(5,056)	(1,306)	(161)	(1)	(110)	(35)	(16)	(16)	(16)	(16)
	DIST_L_XFMR	(22,852)	(15,451)	(1,450)	(6)	(4,637)	(1,028)	(147)	(1)	(101)	(32)	0	0	0	0
	DIST_SEC_SERV	(29,631)	(6,309)	(589)	(2)	(1,432)	0	(21)	(0)	(11,141)	(10,137)	0	0	0	0
	CUSTOMER	(99,520)	(83,810)	(11,166)	(419)	(3,760)	(163)	(73)	(42)	(0)	(81)	(5)	(5)	(5)	(5)
	Total	(618,649)	(344,528)	(41,641)	(649)	(136,832)	(72,236)	(855)	(75)	(11,473)	(10,324)	(36)	(36)	(36)	(36)
ADIDFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS	PROD_DEMAND	10,938,971	5,425,621	667,872	5,497	3,082,678	1,748,752	7,755	797	0	0	0	0	0	0
	PROD_ENERGY	66,071	28,554	3,343	54	19,122	14,311	73	8	459	146	2	2	2	2
	TRANSMISSION	2,062,916	1,010,907	124,439	1,024	574,368	350,585	1,445	148	0	0	0	0	0	0
	DIST_SUBS	799,137	511,481	47,834	189	153,394	76,410	4,916	28	3,346	1,064	475	475	475	475
	DIST_PRIMARY	787,172	527,537	49,509	194	158,782	41,013	5,070	29	3,451	1,097	490	490	490	490
	DIST_L_XFMR	717,628	485,218	45,521	179	145,614	32,274	4,613	26	3,175	1,009	0	0	0	0
	DIST_SEC_SERV	930,529	198,115	18,507	73	44,961	0	666	11	349,859	318,337	0	0	0	0
	CUSTOMER	3,125,265	2,631,912	350,658	13,170	118,071	5,129	2,301	1,316	0	2,542	167	167	167	167
	Total	19,427,691	10,819,346	1,307,683	20,380	4,296,990	2,268,473	26,838	2,363	360,290	324,194	1,134	1,134	1,134	1,134

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADIDFTR SEVERANCE DEFERRAL														
PROD_DEMAND	(2,159,210)	(1,070,947)	(131,829)	(1,085)	(608,480)	(345,181)	(1,531)	(157)	(0)	(0)	(0)	(0)		
PROD_ENERGY	(1,690,755)	(730,697)	(85,537)	(1,386)	(489,317)	(366,208)	(1,880)	(208)	(11,741)	(3,731)	(49)	(0)		
TRANSMISSION	(172,460)	(85,539)	(10,529)	(87)	(48,601)	(27,570)	(122)	(13)	0	0	0	0		
DIST_SUBS	(102,911)	(65,867)	(6,160)	(24)	(19,754)	(9,840)	(633)	(4)	(431)	(137)	(61)	(0)		
DIST_PRIMARY	(158,649)	(105,689)	(9,943)	(39)	(31,944)	(9,003)	(1,016)	(6)	(691)	(220)	(98)	(0)		
DIST_L_XFMR	(21,549)	(14,570)	(1,367)	(5)	(4,373)	(969)	(139)	(1)	(95)	(30)	0	0		
DIST_SEC_SERV	(90,344)	(33,036)	(3,086)	(12)	(7,497)	0	(111)	(2)	(7,554)	(39,045)	0	0		
CUSTOMER	(1,001,929)	(845,311)	(112,658)	(4,231)	(35,997)	(1,357)	(760)	(516)	(2)	(0)	(1,033)	(66)		
Total	(5,397,808)	(2,951,656)	(361,110)	(6,869)	(1,245,962)	(760,129)	(6,191)	(906)	(20,513)	(44,197)	(275)	(0)		
ADIDFTR ADIT RELATED TO STORM DEFERRAL														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	(32,238,336)	(21,408,546)	(2,016,627)	(7,892)	(6,485,052)	(1,908,829)	(205,757)	(1,162)	(140,066)	(44,514)	(19,891)	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	(20,069)	(12,416)	0	0		
DIST_SEC_SERV	(7,958,377)	(5,971,324)	(557,829)	(2,201)	(1,355,146)	0	(54,634)	(324)	(39,068)	(113,934)	(4,502)	0		
CUSTOMER	(101,609,799)	(86,641,205)	(11,556,043)	(434,005)	(2,735,538)	(13,620)	(56,317)	(57,803)	(179,134)	(170,865)	(24,393)	(0)		
Total	(141,806,512)	(114,021,075)	(14,130,498)	(444,097)	(10,575,737)	(1,922,449)	(280,460)	(1,113)	(0)	(0)	(0)	(0)		
ADIDFTR ADIT RETIRED PLANT - PROD														
PROD_DEMAND	(15,275,255)	(7,576,375)	(932,621)	(7,676)	(4,304,673)	(2,441,969)	(10,829)	(1,113)	(0)	(0)	(0)	(0)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0		
Total	(15,275,255)	(7,576,375)	(932,621)	(7,676)	(4,304,673)	(2,441,969)	(10,829)	(1,113)	(0)	(0)	(0)	(0)		
ADIDFTR ADIT ASHEVILLE CC														
PROD_DEMAND	(6,299,159)	(3,124,320)	(384,591)	(3,165)	(1,775,147)	(1,007,011)	(4,465)	(459)	(0)	(0)	(0)	(0)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0		
Total	(6,299,159)	(3,124,320)	(384,591)	(3,165)	(1,775,147)	(1,007,011)	(4,465)	(459)	(0)	(0)	(0)	(0)		
TOTAL ACCUM DEF TAX ADISTS														
PROD_DEMAND	15,767,148	11,090,201	1,260,019	25,448	4,462,391	(1,161,826)	31,958	3,859	41,087	13,841	170	(0)		
PROD_ENERGY	(100,529,186)	(35,991,145)	(15,217,427)	(540,452)	(25,246,309)	(21,315,227)	(110,194)	(54,773)	(1,738,958)	(307,608)	(7,093)	(0)		
TRANSMISSION	5,461,881	2,668,872	328,527	2,704	1,516,374	941,197	3,814	392	0	0	0	0		
DIST_SUBS	4,078,963	2,610,707	244,156	962	782,956	390,014	25,091	142	17,081	5,428	2,426	(0)		
DIST_PRIMARY	(28,281,375)	(18,756,049)	(1,767,716)	(6,914)	(5,686,824)	(1,703,451)	(180,264)	(1,018)	(122,712)	(38,999)	(17,427)	(0)		
DIST_L_XFMR	3,738,307	2,527,622	237,130	932	758,542	168,122	24,029	137	16,537	5,256	0	0		
DIST_SEC_SERV	(3,177,397)	(4,968,106)	(464,110)	(1,831)	(1,127,474)	0	(16,697)	(270)	1,786,574	1,614,518	(3,699)	0		
CUSTOMER	(86,342,372)	(73,785,997)	(9,843,346)	(369,681)	(2,156,287)	11,807	(43,413)	(49,993)	(0)	(101,763)	(25,624)	(0)		
Total	(189,284,031)	(114,603,895)	(25,222,767)	(888,831)	(26,696,631)	(22,669,365)	(265,676)	(101,525)	(392)	1,190,674	(0)	(0)		

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 12.19 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LG5	SI	TSS	ALS	SLS	SFL							
ADI ACCUM DEFERRED INC TAX	PROD_DEMAND	(692,208,464)	(340,058,688)	(41,964,979)	(330,311)	(195,050,048)	(114,341,904)	(469,923)	(47,709)	41,087	13,841	170						
	PROD_ENERGY	(105,391,129)	(38,092,341)	(15,463,398)	(544,437)	(26,653,390)	(22,368,296)	(115,599)	(55,373)	(1,772,721)	(318,338)	(7,235)						
	TRANSMISSION	(146,340,219)	(71,719,924)	(8,828,431)	(72,661)	(40,749,145)	(24,857,019)	(102,506)	(10,532)	0	0	0						
	DIST_SUBS	(54,726,472)	(35,027,237)	(3,275,779)	(12,912)	(10,504,729)	(5,232,724)	(336,646)	(1,901)	(229,167)	(72,831)	(32,545)						
	DIST_PRIMARY	(86,206,357)	(57,575,443)	(5,410,902)	(21,223)	(17,371,003)	(4,721,404)	(553,357)	(3,125)	(376,690)	(119,716)	(53,495)						
	DIST_L_XFMR	(49,069,206)	(33,177,696)	(3,112,582)	(12,230)	(9,956,662)	(2,206,777)	(315,405)	(1,801)	(217,066)	(68,986)	0						
	DIST_SEC_SERV	(71,651,438)	(19,546,623)	(1,826,005)	(7,205)	(4,435,957)	0	(65,694)	(1,061)	(23,958,181)	(21,810,711)	0						
	CUSTOMER	(316,318,658)	(267,458,317)	(35,646,922)	(1,338,783)	(10,844,670)	(365,601)	(212,704)	(146,849)	(0)	(288,814)	(15,998)						
	Total	(1,521,911,942)	(862,656,269)	(115,528,998)	(2,339,762)	(315,565,605)	(174,093,727)	(2,171,835)	(268,350)	(26,512,739)	(22,665,555)	(109,103)						

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

REGULATORY ASSETS:

RA SFAS 109

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SLS	NC SFL
PROD_DEMAND	56,009,560	27,780,187	3,419,628	28,145	15,783,883	8,953,933	39,705	4,080	0	0	0
PROD_ENERGY	338,298	146,203	17,115	277	97,906	73,273	376	42	2,349	747	10
TRANSMISSION	10,562,514	5,176,033	637,149	5,244	2,940,869	1,795,061	7,398	760	0	0	0
DIST_SUBS	4,091,730	2,618,879	244,920	965	785,406	391,235	25,170	142	17,134	5,445	2,433
DIST_PRIMARY	4,030,468	2,701,085	253,496	996	812,995	209,992	25,960	147	17,672	5,616	2,510
DIST_L_XFMR	3,674,390	2,484,405	233,076	916	745,573	165,247	23,618	135	16,254	5,166	0
DIST_SEC_SERV	4,764,480	1,014,385	94,762	374	230,207	0	3,409	55	1,791,341	1,629,947	0
CUSTOMER	16,001,938	13,475,879	1,795,434	67,431	604,545	26,260	11,779	6,739	0	13,015	856
Total	99,473,378	55,397,056	6,695,579	104,348	22,001,383	11,615,002	137,416	12,099	1,844,751	1,659,936	5,809

RA SFAS 158

PROD_DEMAND	118,764,284	58,905,908	7,251,077	59,679	33,468,599	18,986,178	84,192	8,651	0	0	0
PROD_ENERGY	92,997,570	40,190,964	4,704,840	76,240	26,914,160	20,142,748	103,396	11,466	645,802	205,242	2,713
TRANSMISSION	9,485,932	4,704,928	579,158	4,767	2,673,201	1,516,463	6,725	691	0	0	0
DIST_SUBS	5,660,474	3,622,941	338,821	1,335	1,086,526	541,232	34,820	197	23,703	7,533	3,366
DIST_PRIMARY	8,726,263	5,813,274	546,891	2,143	1,757,042	495,205	55,871	316	38,034	12,087	5,401
DIST_L_XFMR	1,185,277	801,414	75,185	295	240,505	53,305	7,619	43	5,243	1,666	0
DIST_SEC_SERV	4,969,223	1,817,082	169,748	670	412,373	0	6,107	99	415,507	2,147,637	0
CUSTOMER	55,109,693	46,495,111	6,196,601	232,710	1,979,951	74,664	41,813	28,366	0	56,824	3,654
Total	296,898,715	162,351,622	19,862,320	377,839	68,532,357	41,809,793	340,543	49,828	1,128,289	2,430,990	15,134

RA MAYO 2 ABANDONMENT - WHS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

RA PRODUCTION REL

PROD_DEMAND	22,980,264	11,397,983	1,403,045	11,548	6,475,998	3,673,726	16,291	1,674	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	22,980,264	11,397,983	1,403,045	11,548	6,475,998	3,673,726	16,291	1,674	0	0	0

RA GRIDSOUTH

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RA SC DERP	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
RA REPS DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
RA DSM/EE DEFERRAL	PROD_DEMAND	109,886,976	68,615,717	7,992,527	130,857	31,049,344	1,673,433	167,590	19,701	177,334	59,740	732
	PROD_ENERGY	109,886,976	68,615,717	7,992,527	130,857	31,049,344	1,673,433	167,590	19,701	177,334	59,740	732
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464
RA PSNC PIPELINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
RA POLLUTION CNTL DEFERRAL - SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0



Total	11,503,875	8,111,943	1,064,418	39,952	2,006,905	232,026	43,864	685	0	0	4,020
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DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #4SD "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RL EDIT NC RETAIL - FED TAX CHANGE												
PROD_DEMAND	(662,586,726)	(328,636,451)	(40,453,809)	(332,951)	(186,721,536)	(105,924,013)	(469,705)	(48,261)	(0)	(0)	(0)	(0)
PROD_ENERGY	(4,002,027)	(1,729,565)	(202,467)	(3,281)	(1,158,215)	(866,816)	(4,450)	(493)	(27,791)	(8,832)	(117)	(117)
TRANSMISSION	(124,953,344)	(61,231,886)	(7,537,396)	(62,036)	(34,790,151)	(21,235,367)	(87,516)	(8,992)	0	0	0	0
DIST_SUBS	(48,404,704)	(30,981,040)	(2,897,375)	(11,420)	(9,291,268)	(4,628,262)	(297,758)	(1,681)	(202,695)	(64,418)	(28,785)	(28,785)
DIST_PRIMARY	(47,679,975)	(31,953,531)	(2,998,827)	(11,779)	(9,617,636)	(2,484,177)	(307,105)	(1,734)	(209,057)	(66,440)	(29,689)	(29,689)
DIST_L_XFMR	(43,467,615)	(29,390,232)	(2,757,259)	(10,834)	(8,820,040)	(1,954,858)	(279,400)	(1,595)	(192,287)	(61,111)	0	0
DIST_SEC_SERV	(56,363,255)	(12,000,061)	(1,121,021)	(4,423)	(2,723,322)	0	(40,331)	(651)	(21,191,362)	(19,282,083)	0	0
CUSTOMER	(189,301,109)	(159,418,111)	(21,239,779)	(797,700)	(7,151,697)	(310,658)	(139,348)	(79,725)	(0)	(153,968)	(10,124)	(10,124)
Total	(1,176,758,753)	(655,340,876)	(79,207,933)	(1,234,423)	(260,273,864)	(137,404,151)	(1,625,613)	(143,134)	(21,823,192)	(19,636,853)	(68,714)	(68,714)
RL EDIT SC RETAIL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
RL EDIT WHL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
RA OVER AMORTIZATIONS - NC RETAIL												
PROD_DEMAND	(1,944,074)	(964,241)	(118,694)	(977)	(547,853)	(310,788)	(1,378)	(142)	(0)	(0)	(0)	(0)
PROD_ENERGY	(11,742)	(5,075)	(594)	(10)	(3,398)	(2,543)	(13)	(1)	(82)	(26)	(0)	(0)
TRANSMISSION	(366,621)	(179,658)	(22,115)	(182)	(102,077)	(62,306)	(257)	(26)	0	0	0	0
DIST_SUBS	(142,023)	(90,900)	(8,501)	(34)	(27,261)	(13,580)	(874)	(5)	(595)	(189)	(84)	(84)
DIST_PRIMARY	(139,896)	(93,754)	(8,799)	(35)	(28,219)	(7,289)	(901)	(5)	(613)	(195)	(87)	(87)
DIST_L_XFMR	(127,537)	(86,233)	(8,090)	(32)	(25,879)	(5,736)	(820)	(5)	(564)	(179)	0	0
DIST_SEC_SERV	(165,374)	(35,209)	(3,289)	(13)	(7,990)	0	(118)	(2)	(62,177)	(56,575)	0	0
CUSTOMER	(555,422)	(467,743)	(62,319)	(2,341)	(20,984)	(911)	(409)	(234)	(0)	(452)	(30)	(30)
Total	(3,452,689)	(1,922,814)	(232,401)	(3,622)	(763,661)	(403,153)	(4,770)	(420)	(64,031)	(57,616)	(202)	(202)
RA PLANT REL												
PROD_DEMAND	(10,224,938)	(5,071,468)	(624,277)	(5,138)	(2,881,459)	(1,634,603)	(7,248)	(745)	(0)	(0)	(0)	(0)
PROD_ENERGY	(61,759)	(26,690)	(3,124)	(51)	(17,873)	(13,377)	(69)	(8)	(429)	(136)	(2)	(2)
TRANSMISSION	(1,928,261)	(944,921)	(116,316)	(957)	(536,876)	(327,701)	(1,351)	(139)	0	0	0	0
DIST_SUBS	(746,974)	(478,095)	(44,712)	(176)	(143,381)	(71,423)	(4,595)	(26)	(3,128)	(994)	(444)	(444)
DIST_PRIMARY	(735,790)	(493,102)	(46,277)	(182)	(148,418)	(38,335)	(4,739)	(27)	(3,226)	(1,025)	(458)	(458)
DIST_L_XFMR	(670,786)	(453,546)	(42,550)	(167)	(136,110)	(30,167)	(4,312)	(25)	(2,967)	(943)	0	0
DIST_SEC_SERV	(869,789)	(185,183)	(17,299)	(68)	(42,026)	0	(622)	(10)	(327,022)	(297,558)	0	0
CUSTOMER	(2,921,266)	(2,460,116)	(327,769)	(12,310)	(110,364)	(4,794)	(2,150)	(1,230)	(0)	(2,376)	(156)	(156)
Total	(18,159,563)	(10,113,121)	(1,222,325)	(19,049)	(4,016,507)	(2,120,400)	(25,086)	(2,209)	(336,772)	(303,033)	(1,060)	(1,060)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

RA OTHER SC RETAIL REG ASSETS (LIABILITIES)

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

RA OTHER NC RETAIL REG ASSETS (LIABILITIES)

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088

BOOK REGULATORY ASSETS

PROD_DEMAND	(367,114,655)	(167,972,365)	(21,130,503)	(108,837)	(103,373,024)	(74,582,134)	(170,555)	(15,043)	177,334	59,740	732
PROD_ENERGY	262,105,460	145,406,906	(30,288,509)	(1,754,187)	92,393,884	58,657,044	298,367	(149,853)	(2,657,046)	209,110	(10,254)
TRANSMISSION	(107,199,780)	(52,475,504)	(6,459,521)	(53,164)	(29,815,033)	(18,313,851)	(75,001)	(7,706)	0	0	0
DIST_SUBS	(37,081,091)	(23,733,453)	(2,219,574)	(8,749)	(7,117,704)	(3,545,544)	(228,102)	(1,288)	(155,277)	(49,349)	(22,051)
DIST_PRIMARY	(27,001,387)	(18,169,026)	(1,702,369)	(6,697)	(5,453,183)	(1,320,972)	(174,622)	(986)	(118,872)	(37,779)	(16,881)
DIST_L_XFMR	(37,188,248)	(25,144,495)	(2,358,944)	(9,269)	(7,545,890)	(1,672,458)	(239,037)	(1,365)	(164,509)	(52,282)	0
DIST_SEC_SERV	(43,221,018)	(7,598,035)	(709,793)	(2,801)	(1,724,316)	0	(25,536)	(412)	(18,284,291)	(14,875,833)	0
CUSTOMER	(80,590,095)	(69,148,086)	(9,224,740)	(346,495)	(1,791,642)	34,971	(26,664)	(30,291)	0	(56,765)	(384)
Total	(437,290,815)	(218,834,059)	(74,093,952)	(2,290,199)	(64,426,908)	(40,742,944)	(641,150)	(206,944)	(21,202,661)	(14,803,158)	(48,839)

REGULATORY ASSET ADJUSTMENTS:

ADIRA REMOVE DSM

PROD_DEMAND	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)
PROD_ENERGY	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)

ADIRA REMOVE REPS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE														
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
ADIRA REMOVE JAAR														
PROD_DEMAND	(44,392,629)	(22,018,304)	(2,710,364)	(22,307)	(12,510,151)	(7,096,800)	(31,470)	(3,233)	(0)	(0)	(0)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(44,392,629)	(22,018,304)	(2,710,364)	(22,307)	(12,510,151)	(7,096,800)	(31,470)	(3,233)	(0)	(0)	(0)			
ADIRA ADJUST RETIRED METERS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)			
Total	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)			
ADIRA NC COAL ASH DEFERRAL														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	423,886,366	183,191,901	21,444,835	347,503	122,675,737	91,811,389	471,284	52,264	2,943,589	935,500	12,364			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	423,886,366	183,191,901	21,444,835	347,503	122,675,737	91,811,389	471,284	52,264	2,943,589	935,500	12,364			
ADIRA ANNUAL/ REM EXP- REG ASSETS - PROD														
PROD_DEMAND	(12,930,007)	(6,413,155)	(789,433)	(6,497)	(3,643,766)	(2,067,048)	(9,166)	(942)	(0)	(0)	(0)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(12,930,007)	(6,413,155)	(789,433)	(6,497)	(3,643,766)	(2,067,048)	(9,166)	(942)	(0)	(0)	(0)			
ADIRA ANNUAL/ REM EXP- REG ASSETS - ENERGY														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)			

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE													
		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADIRA ANNUAL/ REM EXP. REG ASSETS - DIST													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(107,475)	(68,788)	(6,433)	(25)	(20,630)	(10,276)	(661)	(4)	(450)	(143)	(64)	(64)	(64)
DIST_PRIMARY	(105,563)	(70,748)	(6,640)	(26)	(21,294)	(5,496)	(680)	(623)	(4)	(463)	(147)	(66)	(66)
DIST_L_XFMR	(96,887)	(65,509)	(6,146)	(24)	(19,659)	(4,357)	(623)	(89)	(4)	(429)	(136)	0	0
DIST_SEC_SERV	(125,301)	(26,604)	(2,485)	(10)	(6,038)	0	0	(1)	(1)	(47,250)	(42,823)	0	0
CUSTOMER	(413,259)	(347,975)	(46,361)	(1,741)	(15,662)	(685)	(305)	(173)	(186)	0	(334)	(22)	(22)
Total	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,358)	(186)	(48,592)	(43,583)	(152)	(152)	(152)
ADIRA ANNUAL/ REM EXP. REG ASSETS - PLANT													
PROD_DEMAND	960,719	476,507	58,656	483	270,737	153,585	681	70	0	0	0	0	0
PROD_ENERGY	5,803	2,508	294	5	1,679	1,257	6	1	40	13	0	0	0
TRANSMISSION	181,176	88,783	10,929	90	50,444	30,790	127	13	0	0	0	0	0
DIST_SUBS	70,185	44,921	4,201	17	13,472	6,711	432	2	294	93	42	42	42
DIST_PRIMARY	69,134	46,331	4,348	17	13,945	3,602	445	3	303	96	43	43	43
DIST_L_XFMR	63,026	42,614	3,998	16	12,789	2,834	405	2	279	89	0	0	0
DIST_SEC_SERV	81,724	17,400	1,625	6	3,949	0	58	1	30,726	27,958	0	0	0
CUSTOMER	274,478	231,149	30,797	1,157	10,370	450	202	116	208	31,643	28,472	15	15
Total	1,706,244	950,213	114,848	1,790	377,385	199,229	2,357	208	31,643	28,472	100	100	100
ADIRA ANNUAL/ REM EXP. REG ASSETS - STORM													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	(2,707,041)	(1,797,668)	(169,335)	(663)	(544,547)	(160,284)	(17,277)	(98)	(11,761)	(3,738)	(1,670)	(1,670)	(1,670)
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(668,262)	(501,410)	(46,841)	(185)	(113,791)	0	(1,685)	(27)	(3,280)	(1,043)	0	0	0
CUSTOMER	(8,532,137)	(7,275,229)	(970,357)	(36,443)	(229,702)	(1,144)	(4,588)	(4,729)	0	(9,567)	(378)	(378)	(378)
Total	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)	(2,048)	(2,048)
ADIRA DEFERRED SEVERANCE													
PROD_DEMAND	9,319,273	4,622,267	568,982	4,683	2,626,236	1,489,820	6,606	679	0	0	0	0	0
PROD_ENERGY	7,297,394	3,153,731	369,182	5,982	2,111,918	1,580,574	8,113	900	50,675	16,105	213	213	213
TRANSMISSION	744,348	369,189	45,446	374	209,763	118,995	528	54	0	0	0	0	0
DIST_SUBS	444,170	284,287	26,587	105	85,258	42,470	2,732	15	1,860	591	264	264	264
DIST_PRIMARY	684,738	456,160	42,914	168	137,873	38,858	4,384	25	2,984	948	424	424	424
DIST_L_XFMR	93,007	62,886	5,900	23	18,872	4,183	598	3	411	131	0	0	0
DIST_SEC_SERV	389,928	142,584	13,320	53	32,358	0	479	8	32,604	168,522	0	0	0
CUSTOMER	4,324,383	3,648,409	486,239	18,260	155,364	5,859	3,281	2,226	0	4,459	287	287	287
Total	23,297,241	12,739,512	1,558,569	29,648	5,377,641	3,280,758	26,722	3,910	88,535	190,756	1,188	1,188	1,188
ADIRA ADJUST STORM DEFERRAL													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	128,115,699	85,077,927	8,014,109	31,361	25,771,709	7,585,719	817,683	4,618	556,626	176,901	79,048	79,048	79,048
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	31,626,726	23,730,143	2,216,821	8,747	5,385,375	0	79,754	1,288	155,255	49,342	0	0	0
CUSTOMER	403,799,077	344,313,629	45,923,911	1,724,742	10,871,076	54,128	217,117	223,806	452,777	452,777	17,890	17,890	17,890
Total	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,639,847	1,114,554	229,712	711,881	679,019	96,938	96,938	96,938



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #4SD "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIRA ADJUST STORM DEFERRAL-TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	45,299,769	22,468,236	2,765,748	22,763	12,765,789	7,241,819	32,113	3,300	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	45,299,769	22,468,236	2,765,748	22,763	12,765,789	7,241,819	32,113	3,300	0	0	0	0
ADIRA ADJUST STORM DEFERRAL-PROD												
PROD_DEMAND	3,203,586	1,588,947	195,593	1,610	902,793	512,139	2,271	233	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,203,586	1,588,947	195,593	1,610	902,793	512,139	2,271	233	0	0	0	0
ADIRA ADJUST RETIRED PLANT - PROD												
PROD_DEMAND	65,928,858	32,700,061	4,025,244	33,129	18,579,210	10,539,676	46,737	4,802	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	65,928,858	32,700,061	4,025,244	33,129	18,579,210	10,539,676	46,737	4,802	0	0	0	0
ADIRA ADJUST ASHEVILLE CC												
PROD_DEMAND	27,187,523	13,484,742	1,659,917	13,662	7,661,633	4,346,316	19,273	1,980	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	27,187,523	13,484,742	1,659,917	13,662	7,661,633	4,346,316	19,273	1,980	0	0	0	0
TOTAL REG ASSETS ADJUSTMENTS												
PROD_DEMAND	(60,609,652)	(44,174,653)	(4,983,931)	(106,095)	(17,162,653)	6,204,255	(132,657)	(16,112)	(177,334)	(59,740)	(732)	
PROD_ENERGY	374,611,347	129,764,393	62,500,649	2,276,169	91,876,500	79,252,215	409,546	228,359	7,078,591	1,196,099	28,826	
TRANSMISSION	46,225,293	22,926,209	2,822,123	23,227	13,025,996	7,391,604	32,767	3,367	0	0	0	
DIST_SUBS	406,879	260,420	24,355	96	78,100	38,904	2,503	14	1,704	541	242	
DIST_PRIMARY	126,056,967	83,712,002	7,885,396	30,857	25,357,686	7,462,399	804,555	4,543	547,689	174,061	77,779	
DIST_L_XFMR	59,146	39,991	3,752	15	12,001	2,660	380	2	262	83	0	
DIST_SEC_SERV	31,304,815	23,362,112	2,182,441	8,612	5,301,853	0	78,518	1,268	168,056	201,956	0	
CUSTOMER	397,995,037	339,326,541	45,258,371	1,699,746	10,751,169	57,977	214,826	221,139	0	447,558	17,710	
Total	916,049,833	555,217,015	115,693,155	3,932,627	129,240,653	100,410,014	1,410,437	442,581	7,618,967	1,960,559	123,826	

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL							
ADJ REGULATORY ASSETS																		
PROD_DEMAND	(427,724,307)	(212,147,019)	(26,114,434)	(214,932)	(120,535,677)	(68,377,879)	(303,212)	(31,154)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	636,716,808	275,171,299	32,212,140	521,982	184,270,384	137,909,258	707,913	78,506	4,421,545	1,405,209	18,572							
TRANSMISSION	(60,974,486)	(29,549,295)	(3,637,398)	(29,937)	(16,789,037)	(10,922,247)	(42,233)	(4,339)	0	0	0							
DIST_SUBS	(36,674,212)	(23,473,033)	(2,195,220)	(8,653)	(7,039,604)	(3,506,640)	(225,599)	(1,274)	(153,573)	(48,807)	(21,809)							
DIST_PRIMARY	99,055,580	65,542,976	6,183,027	24,160	19,904,503	6,141,427	629,932	3,557	428,817	136,282	60,898							
DIST_L_XFMR	(37,129,102)	(25,104,504)	(2,355,192)	(9,254)	(7,533,888)	(1,669,798)	(238,657)	(1,363)	(164,247)	(52,199)	0							
DIST_SEC_SERV	(11,916,203)	15,764,077	1,472,648	5,811	3,577,537	0	52,981	856	(18,116,236)	(14,673,877)	0							
CUSTOMER	317,404,942	270,178,455	36,033,631	1,353,251	8,959,527	92,948	188,163	190,848	0	390,793	17,326							
Total	478,759,019	336,382,956	41,599,202	1,642,428	64,813,745	59,667,071	769,288	235,636	(13,583,694)	(12,842,599)	74,987							

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

OPERATING RESERVES:  
OR LABOR RELATED

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)	(3,428,232)	(15,202)	(1,562)	(0)	(0)	(0)
PROD_ENERGY	(16,792,073)	(7,257,067)	(849,528)	(13,766)	(4,859,746)	(3,637,068)	(18,670)	(2,070)	(116,609)	(37,059)	(490)
TRANSMISSION	(1,712,824)	(849,544)	(104,575)	(861)	(482,686)	(273,820)	(1,214)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(53,609,411)	(29,314,963)	(3,586,433)	(68,224)	(12,374,521)	(7,549,371)	(61,490)	(8,997)	(203,729)	(438,951)	(2,733)

OR COAL MINES & ENERGY RELATED

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)

BOOK OPERATING RESERVES

PROD_DEMAND	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)	(3,428,232)	(15,202)	(1,562)	(0)	(0)	(0)
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
TRANSMISSION	(1,712,824)	(849,544)	(104,575)	(861)	(482,686)	(273,820)	(1,214)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)

TOTAL OPERATING RESERVES

PROD_DEMAND	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)	(3,428,232)	(15,202)	(1,562)	(0)	(0)	(0)
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
TRANSMISSION	(1,712,824)	(849,544)	(104,575)	(861)	(482,686)	(273,820)	(1,214)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)

WORKING CAPITAL:

MATERIALS AND SUPPLIES:

WC MAT.& SUP PLUS STORES EXP

PROD_DEMAND	281,910,773	139,824,950	17,211,882	141,661	79,444,412	45,067,489	199,846	20,534	0	0	0
PROD_ENERGY	1,328,236	574,027	67,197	1,089	384,401	287,688	1,477	164	9,224	2,931	39
TRANSMISSION	43,127,726	21,207,729	2,610,585	21,486	12,049,606	7,204,895	30,311	3,114	0	0	0
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	12,890
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	13,285
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	4,510
Total	498,512,419	279,400,376	33,736,398	537,106	108,706,681	56,759,191	707,840	61,841	9,779,678	8,792,584	30,724

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COS DETAIL - RATE BASE

WC EMISSION ALLOWANCES

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	0	40
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	0	40

WC FUEL INVENTORY

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	0	3,922
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	0	3,922

WC EMISSION ALLOWANCE PROCEEDS - REPS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	0	19,927
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	0	19,927

BOOK MATERIALS & SUPPLIES

PROD_DEMAND	281,910,773	139,824,950	17,211,882	141,661	79,444,412	45,067,489	199,846	20,534	0	0	0	0
PROD_ENERGY	257,589,699	99,611,604	61,958,520	2,349,724	56,149,454	30,240,568	327,318	232,144	5,929,430	767,009	0	23,928
TRANSMISSION	43,127,726	21,207,729	2,610,585	21,486	12,049,606	7,204,895	30,311	3,114	0	0	0	0
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	0	12,890
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	0	13,285
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0	0
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0	0
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	0	4,510
Total	754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	0	54,613

MATERIAL & SUPPLIES ADJUSTMENTS:

ADJWC REPS Inventory

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	0	(19,927)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	0	(19,927)

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COS DETAIL - RATE BASE		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADIWC M&S Inventory - JAAR	PROD_DEMAND	(37,024,580)	(18,363,825)	(2,260,512)	(18,605)	(10,433,784)	(5,918,911)	(26,247)	(2,697)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(37,024,580)	(18,363,825)	(2,260,512)	(18,605)	(10,433,784)	(5,918,911)	(26,247)	(2,697)	(0)	(0)	(0)
	ADIWC FUEL INVENTORY	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281
ADIWC RETIRED PLANT INVENTORY		PROD_DEMAND	(3,959,876)	(1,964,059)	(241,768)	(1,990)	(1,115,920)	(633,043)	(2,807)	(288)	(0)	(0)
	PROD_ENERGY	(18,657)	(8,063)	(944)	(15)	(5,400)	(4,041)	(21)	(2)	(130)	(41)	(1)
	TRANSMISSION	(605,796)	(297,896)	(36,670)	(302)	(169,255)	(101,204)	(426)	(44)	0	0	0
	DIST_SUBS	(304,472)	(194,875)	(18,225)	(72)	(58,443)	(29,112)	(1,873)	(11)	(1,275)	(405)	(181)
	DIST_PRIMARY	(299,691)	(200,845)	(18,849)	(74)	(60,452)	(15,611)	(1,930)	(11)	(1,314)	(418)	(187)
	DIST_L_XFMR	(273,691)	(185,054)	(17,361)	(68)	(55,535)	(12,309)	(1,759)	(10)	(1,211)	(385)	0
	DIST_SEC_SERV	(354,646)	(75,453)	(7,049)	(28)	(17,123)	0	(254)	(4)	(133,442)	(121,294)	0
	CUSTOMER	(1,185,555)	(998,369)	(133,015)	(4,996)	(44,826)	(1,951)	(873)	(499)	(0)	(963)	(63)
	Total	(7,002,383)	(3,924,613)	(473,880)	(7,544)	(1,526,955)	(797,271)	(9,943)	(869)	(137,371)	(123,506)	(432)
	ADIWC ASHEVILLE CC INVENTORY	PROD_DEMAND	2,112,428	1,047,743	128,973	1,061	595,297	337,702	1,497	154	0	0
PROD_ENERGY		9,953	4,301	504	8	2,880	2,156	11	1	69	22	0
TRANSMISSION		323,167	158,915	19,562	161	90,291	53,988	227	23	0	0	0
DIST_SUBS		162,423	103,957	9,722	38	31,177	15,530	999	6	680	216	97
DIST_PRIMARY		159,873	107,143	10,055	39	32,248	8,328	1,030	6	701	223	100
DIST_L_XFMR		146,003	98,718	9,261	36	29,626	6,566	938	5	646	205	0
DIST_SEC_SERV		189,189	40,251	3,760	15	9,135	0	135	2	71,185	64,705	0
CUSTOMER		632,444	532,588	70,958	2,665	23,913	1,041	466	266	0	513	34
Total		3,735,479	2,093,617	252,795	4,025	814,566	425,311	5,304	463	73,282	65,885	230
TOT MATERIALS & SUPP ADJUSTS		PROD_DEMAND	(38,872,028)	(19,280,141)	(2,373,307)	(19,533)	(10,954,407)	(6,214,252)	(27,556)	(2,831)	(0)	(0)
	PROD_ENERGY	(110,796,061)	(36,171,475)	(54,532,083)	(2,229,383)	(13,666,329)	1,554,103	(164,110)	(214,044)	(4,910,053)	(443,041)	(19,646)
	TRANSMISSION	(282,629)	(138,981)	(17,108)	(141)	(78,965)	(47,216)	(199)	(20)	0	0	0
	DIST_SUBS	(142,049)	(90,917)	(8,503)	(34)	(27,266)	(13,582)	(874)	(5)	(595)	(189)	(84)
	DIST_PRIMARY	(139,818)	(93,703)	(8,794)	(35)	(28,203)	(7,283)	(901)	(5)	(613)	(195)	(87)
	DIST_L_XFMR	(127,688)	(86,335)	(8,100)	(32)	(25,909)	(5,742)	(821)	(5)	(565)	(180)	0
	DIST_SEC_SERV	(165,457)	(35,202)	(3,288)	(13)	(7,989)	0	(118)	(2)	(62,256)	(56,589)	0
	CUSTOMER	(553,111)	(465,781)	(62,057)	(2,331)	(20,913)	(910)	(407)	(233)	(0)	(449)	(30)
	Total	(151,078,841)	(56,362,535)	(57,013,240)	(2,251,500)	(24,809,981)	(4,734,883)	(194,986)	(217,145)	(4,974,081)	(500,643)	(19,847)



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TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
WC CUSTOMER DEPOSITS - FUNCTIONALIZED												
PROD_DEMAND	(35,553,068)	(30,187,047)	(4,074,729)	(70,623)	(1,188,495)	(8,863)	(13,005)	(10,303)	(0)	(1)	(1)	(1)
PROD_ENERGY	(42,151,559)	(35,598,746)	(4,714,599)	(167,898)	(1,603,231)	(12,116)	(24,188)	(23,955)	(0)	(5,732)	(1,294)	(1,294)
TRANSMISSION	(4,083,013)	(3,462,082)	(460,405)	(7,466)	(148,825)	(1,200)	(1,879)	(1,156)	(0)	(0)	(0)	(0)
DIST_SUBS	(2,428,976)	(2,148,985)	(218,247)	(1,739)	(50,233)	(317)	(7,224)	(267)	(0)	(339)	(1,624)	(1,624)
DIST_PRIMARY	(4,245,263)	(3,756,337)	(386,056)	(3,148)	(84,496)	(394)	(11,386)	(471)	(0)	(426)	(2,549)	(2,549)
DIST_L_XFMR	(1,879,382)	(1,662,778)	(168,537)	(1,308)	(40,170)	(166)	(5,959)	(205)	(0)	(258)	(0)	(0)
DIST_SEC_SERV	(1,568,520)	(1,289,299)	(131,566)	(1,077)	(22,645)	(0)	(1,382)	(162)	(0)	(122,389)	(0)	(0)
CUSTOMER	(24,678,377)	(21,233,594)	(3,096,508)	(244,351)	(67,932)	(40)	(5,426)	(28,051)	(0)	(1,486)	(990)	(990)
Total	(116,588,158)	(99,338,867)	(13,250,447)	(497,610)	(3,206,028)	(23,097)	(70,449)	(64,571)	(0)	(130,632)	(6,457)	(6,457)
WC CUST ADV FOR CONSTRUCTION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(2,937,411)	(1,880,066)	(175,826)	(693)	(563,835)	(280,863)	(18,069)	(102)	(0)	(3,909)	(1,747)	(1,747)
DIST_PRIMARY	(2,885,162)	(1,933,631)	(181,467)	(713)	(581,981)	(150,214)	(18,584)	(105)	(0)	(12,651)	(4,021)	(1,797)
DIST_L_XFMR	(2,648,037)	(1,790,446)	(167,972)	(660)	(537,315)	(119,090)	(17,021)	(97)	(0)	(11,714)	(3,723)	(0)
DIST_SEC_SERV	(3,424,628)	(727,131)	(67,927)	(268)	(165,017)	(0)	(2,444)	(39)	(0)	(1,291,399)	(1,170,403)	(0)
CUSTOMER	(11,294,838)	(9,510,564)	(1,267,104)	(47,589)	(428,073)	(18,730)	(8,325)	(4,729)	(0)	(9,123)	(602)	(602)
Total	(23,190,077)	(15,841,838)	(1,860,295)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)	(4,145)
WC CASH ALLOW LEAD/LAG												
PROD_DEMAND	90,169,358	44,723,108	5,505,232	45,310	25,410,351	14,414,868	63,921	6,568	0	0	0	0
PROD_ENERGY	544,623	235,371	27,553	446	157,618	117,962	606	67	3,782	1,202	16	16
TRANSMISSION	17,004,510	8,332,856	1,025,741	8,442	4,734,483	2,889,855	11,910	1,224	0	0	0	0
DIST_SUBS	6,587,245	4,216,113	394,295	1,554	1,264,420	629,846	40,521	229	27,584	8,766	3,917	3,917
DIST_PRIMARY	6,488,619	4,348,456	408,101	1,603	1,308,834	338,064	41,793	236	28,450	9,042	4,040	4,040
DIST_L_XFMR	5,915,372	3,999,625	375,227	1,474	1,200,292	266,031	38,023	217	26,168	8,316	0	0
DIST_SEC_SERV	7,670,299	1,633,051	152,556	602	370,608	(0)	5,489	89	2,883,866	2,624,038	(0)	(0)
CUSTOMER	25,761,397	21,694,713	2,890,455	108,557	973,252	42,276	18,963	10,850	0	20,953	1,378	1,378
Total	160,141,423	89,183,293	10,779,160	167,989	35,419,857	18,698,902	221,225	19,479	2,969,850	2,672,318	9,351	9,351
BOOK CASH WORKING CAPITAL												
PROD_DEMAND	80,331,982	27,290,789	3,000,559	(12,390)	31,468,716	18,517,028	69,145	(1,862)	0	(1)	(1)	(1)
PROD_ENERGY	(41,482,091)	(35,309,420)	(4,680,530)	(167,349)	(1,409,482)	132,887	(23,444)	(23,873)	4,649	(4,254)	(1,274)	(1,274)
TRANSMISSION	16,819,456	6,780,922	800,468	2,911	5,670,948	3,551,099	12,761	348	0	0	0	0
DIST_SUBS	2,730,858	1,153,525	90,607	(522)	940,195	493,045	24,517	(88)	21,607	6,528	1,444	1,444
DIST_PRIMARY	845,585	(344,711)	(65,873)	(1,890)	942,382	264,951	21,403	(286)	22,321	6,667	621	621
DIST_L_XFMR	2,743,938	1,463,238	124,731	(155)	897,950	207,757	23,759	(36)	20,452	6,241	0	0
DIST_SEC_SERV	4,435,421	(9,033)	(11,966)	(605)	267,901	(0)	2,921	(92)	2,253,538	1,932,757	0	0
CUSTOMER	(4,306,511)	(4,076,346)	(810,575)	(158,499)	700,347	33,197	9,560	(19,444)	0	15,148	101	101
Total	62,118,639	(3,051,036)	(1,552,580)	(338,500)	39,478,956	23,199,964	140,621	(45,332)	2,322,567	1,963,085	892	892
WC CASH ALLOW ADI												
PROD_DEMAND	(15,209,956)	(7,543,988)	(928,634)	(7,643)	(4,286,271)	(2,431,530)	(10,782)	(1,108)	(0)	(0)	(0)	(0)
PROD_ENERGY	(91,868)	(39,703)	(4,648)	(75)	(26,587)	(19,898)	(102)	(11)	(638)	(203)	(3)	(3)
TRANSMISSION	(2,868,356)	(1,405,604)	(173,024)	(1,424)	(798,623)	(487,467)	(2,009)	(206)	0	0	0	0
DIST_SUBS	(1,111,150)	(711,183)	(66,510)	(262)	(213,285)	(106,244)	(6,835)	(39)	(4,653)	(1,479)	(661)	(661)
DIST_PRIMARY	(1,094,514)	(733,507)	(68,839)	(270)	(220,777)	(57,025)	(7,050)	(40)	(4,799)	(1,525)	(682)	(682)
DIST_L_XFMR	(997,817)	(674,665)	(63,294)	(249)	(202,468)	(44,875)	(6,414)	(37)	(4,414)	(1,403)	0	0
DIST_SEC_SERV	(1,293,842)	(275,466)	(25,734)	(102)	(62,515)	(0)	(926)	(15)	(486,457)	(442,628)	(0)	(0)
CUSTOMER	(4,345,486)	(3,659,510)	(487,568)	(18,312)	(164,170)	(7,131)	(3,199)	(1,830)	(0)	(3,534)	(232)	(232)
Total	(27,012,991)	(15,043,625)	(1,818,251)	(28,337)	(5,974,696)	(3,154,170)	(37,317)	(3,286)	(500,961)	(450,772)	(1,577)	(1,577)

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System														
COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
W/C RATE CASE DEFERRAL ADJ	PROD_DEMAND	1,503,441	745,692	91,792	755	423,680	240,347	1,066	110	0	0	0		
	PROD_ENERGY	9,081	3,924	459	7	2,628	1,967	10	1	63	20	0		
	TRANSMISSION	283,525	138,938	17,103	141	78,941	48,184	199	20	0	0	0		
	DIST_SUBS	109,833	70,297	6,574	26	21,082	10,502	676	4	460	146	65		
	DIST_PRIMARY	108,188	72,504	6,804	27	21,823	5,637	697	4	474	151	67		
	DIST_L_XFMR	98,630	66,688	6,256	25	20,013	4,436	634	4	436	139	0		
	DIST_SEC_SERV	127,891	27,229	2,544	10	6,179	0	92	1	48,084	43,752	0		
	CUSTOMER	429,533	361,727	48,194	1,810	16,228	705	316	181	0	349	23		
	Total	2,670,122	1,487,000	179,727	2,801	590,574	311,777	3,689	325	49,518	44,557	156		
TOT CASH WORK CAPITAL ADJUSTS	PROD_DEMAND	(13,706,515)	(6,798,296)	(836,842)	(6,888)	(3,862,591)	(2,191,183)	(9,716)	(998)	(0)	(0)	(0)		
	PROD_ENERGY	(82,787)	(35,778)	(4,188)	(68)	(23,959)	(17,931)	(92)	(10)	(575)	(183)	(2)		
	TRANSMISSION	(2,584,831)	(1,266,666)	(155,921)	(1,283)	(719,682)	(439,283)	(1,810)	(186)	0	0	0		
	DIST_SUBS	(1,001,318)	(640,885)	(59,936)	(236)	(192,203)	(95,742)	(6,160)	(35)	(4,193)	(1,333)	(595)		
	DIST_PRIMARY	(986,326)	(661,003)	(62,035)	(244)	(198,954)	(51,389)	(6,353)	(36)	(4,325)	(1,374)	(614)		
	DIST_L_XFMR	(899,187)	(607,977)	(57,038)	(224)	(182,455)	(40,439)	(5,780)	(33)	(3,978)	(1,264)	0		
	DIST_SEC_SERV	(1,165,951)	(248,238)	(23,190)	(92)	(56,336)	0	(834)	(13)	(438,372)	(398,876)	0		
	CUSTOMER	(3,915,953)	(3,297,782)	(439,374)	(16,502)	(147,943)	(6,426)	(2,883)	(1,649)	(0)	(3,185)	(209)		
	Total	(24,342,868)	(13,556,624)	(1,638,525)	(25,536)	(5,384,122)	(2,842,393)	(33,628)	(2,961)	(451,443)	(406,215)	(1,421)		
TOT ADJUSTED WORKING CAPITAL	PROD_DEMAND	309,664,212	141,037,303	17,002,291	102,849	96,096,129	55,179,082	231,718	14,842	0	(1)	(1)		
	PROD_ENERGY	105,228,760	28,094,930	2,741,718	(47,075)	41,049,684	31,909,627	139,672	(5,783)	1,023,451	319,531	3,005		
	TRANSMISSION	57,079,722	26,583,005	3,238,023	22,973	16,921,907	10,269,495	41,063	3,256	0	0	0		
	DIST_SUBS	23,263,374	14,295,196	1,319,628	4,323	4,881,405	2,456,281	150,821	625	107,587	33,853	13,655		
	DIST_PRIMARY	21,054,990	13,199,133	1,205,205	3,102	5,018,883	1,317,680	151,573	449	110,932	34,829	13,205		
	DIST_L_XFMR	21,201,632	13,943,239	1,295,549	4,445	4,643,212	1,037,850	142,401	642	102,103	32,191	0		
	DIST_SEC_SERV	28,351,907	5,079,143	463,361	1,271	1,422,624	0	20,021	184	11,252,855	10,112,448	0		
	CUSTOMER	75,626,213	63,235,808	8,157,601	178,318	3,722,744	164,743	68,420	14,168	0	80,039	4,372		
	Total	641,470,811	305,467,758	35,423,376	270,206	173,756,588	102,334,759	945,689	28,382	12,596,928	10,612,889	34,237		

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - LABOR

PRODUCTION LABOR:

LAB01 LABOR-PROD DEMAND REL  
LAB02 LABOR-PROD ENERGY REL

TOTAL PRODUCTION LABOR

PROD_DEMAND	132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0
PROD_ENERGY	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123
TRANSMISSION	132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0
DIST_SUBS	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0
Total	237,596,815	111,162,360	13,410,550	152,622	67,752,358	43,924,292	210,627	22,590	727,238	231,123

TRANSMISSION LABOR:

LAB04 LABOR-TRANS PROD REL  
LAB05 LABOR-TRANS PST REL

TOTAL TRANSMISSION LABOR

PROD_DEMAND	868,386	430,711	53,019	436	244,717	138,824	616	63	0	0
PROD_ENERGY	10,682,116	5,298,224	652,190	5,368	3,010,294	1,707,690	7,573	778	0	0
TRANSMISSION	868,386	430,711	53,019	436	244,717	138,824	616	63	0	0
DIST_SUBS	10,682,116	5,298,224	652,190	5,368	3,010,294	1,707,690	7,573	778	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0
Total	11,550,502	5,728,934	705,208	5,804	3,255,012	1,846,514	8,188	841	0	0

DISTRIBUTION LABOR:

LAB442 LABOR-SUPERVISION&ENGINEERING

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	49,551	31,715	2,966	12	9,511	4,738	305	2	207	66
DIST_PRIMARY	48,669	32,618	3,061	12	9,817	2,534	313	2	213	68
DIST_L_XFMR	44,669	30,203	2,833	11	9,064	2,009	287	2	198	63
DIST_SEC_SERV	57,770	12,266	1,146	5	2,784	0	41	1	21,784	19,743
CUSTOMER	190,531	160,433	21,375	803	7,221	316	140	80	0	154
Total	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094

LAB12 LOAD DISPATCH

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0
Total	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099

LAB13 LABOR-SUBSTATION

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0
Total	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003

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COS DETAIL - LABOR	LAB20 LABOR-OVERHEAD LINE															
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL					
LAB20 LABOR-OVERHEAD LINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	7,595,963	5,044,259	475,155	1,859	1,528,001	449,756	48,480	33,002	10,488	4,687	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	1,875,144	1,406,957	131,435	519	319,298	0	4,729	9,205	2,925	26,845	1,061	0	0	0	0
	CUSTOMER	23,941,193	20,414,309	2,722,823	102,260	644,545	3,209	12,873	13,269	0	0	0	0	0	0	0
	Total	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	42,207	40,259	5,747	0	0	0	0	0
LAB25 LABOR-UNDERGROUND LINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	1,211,487	819,006	76,594	302	245,016	54,830	7,871	5,358	1,703	761	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	509,646	382,397	35,723	141	86,782	0	1,285	2,502	795	0	0	0	0	0	0
	CUSTOMER	1,986,674	1,694,648	226,022	8,489	52,880	231	998	0	2,228	76	0	0	0	0	0
	Total	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	7,860	4,727	837	0	0	0	0	0
LAB26 LABOR-LINE TRANSFORMR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	399,304	269,986	25,329	100	81,023	17,958	2,567	1,766	561	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	192,473	164,016	21,877	822	5,291	30	115	0	216	1	0	0	0	0	0
	Total	591,777	434,001	47,206	921	86,314	17,987	2,682	1,766	777	1	0	0	0	0	0
LAB34 LABOR-METER	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	0	0	1,182	0	0	0	0	0
	Total	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	0	0	1,182	0	0	0	0	0
LAB35 LABOR-STREET LIGHT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	2,001,283	0	0	0	0	0	0	0	2,001,283	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2,001,283	0	0	0	0	0	0	0	2,001,283	0	0	0	0	0	0



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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - LABOR														
LAB361LABOR-CUST INSTALATNS		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185			
Total	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	0	3,747	185			
LAB39 LABOR-RENTS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAB38 LABOR-MISCELLANEOUS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	988,109	632,431	59,146	233	189,667	94,479	6,078	34	4,138	1,315	588			
DIST_PRIMARY	970,534	650,450	61,043	240	195,771	50,530	6,251	35	4,256	1,352	604			
DIST_L_XFMR	890,768	602,284	56,504	222	180,746	40,060	5,726	33	3,940	1,252	0			
DIST_SEC_SERV	1,152,003	244,598	22,850	90	55,510	0	822	13	434,411	393,709	0			
CUSTOMER	3,799,447	3,199,238	426,238	16,008	143,999	6,301	2,800	1,591	0	3,069	202			
Total	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394			
TOTAL DISTRIBUTION LABOR														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	6,374,264	4,079,796	381,546	1,504	1,223,538	609,481	39,211	221	26,692	8,483	3,791			
DIST_PRIMARY	9,826,653	6,546,333	615,854	2,413	1,978,606	557,651	62,917	355	42,830	13,612	6,082			
DIST_L_XFMR	1,334,741	902,473	84,666	333	270,833	60,027	8,579	49	5,904	1,876	0			
DIST_SEC_SERV	5,595,846	2,046,218	191,153	754	464,374	0	6,877	111	467,902	2,418,456	0			
CUSTOMER	36,836,929	30,867,161	4,111,389	154,401	1,535,983	78,971	31,845	18,202	0	36,259	2,718			
Total	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591			
CUSTOMER ACCOUNTING LABOR														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040			
Total	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,170	0	20,505	1,040			

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - LABOR	COS DETAIL - LABOR												COS DETAIL - LABOR											
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
SALES LABOR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0		
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	TRANSMISSION	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	CUSTOMER	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246
	Total	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	Total	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246
	CUST SERV & INFO LABOR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	TRANSMISSION	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		
CUSTOMER		2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	CUSTOMER	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111
Total		2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	Total	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111
LAB&I LABOR-AG&G LABOR REL		PROD_DEMAND	38,384,283	19,038,224	2,343,528	19,288	10,816,957	6,136,279	27,210	2,796	0	0	PROD_DEMAND	38,384,283	19,038,224	2,343,528	19,288	10,816,957	6,136,279	27,210	2,796	0	0	
	TRANSMISSION	3,065,827	1,520,620	187,182	1,541	863,971	490,116	2,173	223	0	0	TRANSMISSION	3,065,827	1,520,620	187,182	1,541	863,971	490,116	2,173	223	0	0		
	DIST_SUBS	1,829,449	1,170,924	109,506	432	351,162	174,925	11,254	64	7,661	2,435	DIST_SUBS	1,829,449	1,170,924	109,506	432	351,162	174,925	11,254	64	7,661	2,435		
	DIST_PRIMARY	2,820,304	1,878,834	176,754	693	567,871	160,049	18,057	102	12,292	3,907	DIST_PRIMARY	2,820,304	1,878,834	176,754	693	567,871	160,049	18,057	102	12,292	3,907		
	DIST_L_XFMR	383,078	259,015	24,300	95	77,731	17,228	2,462	14	1,695	539	DIST_L_XFMR	383,078	259,015	24,300	95	77,731	17,228	2,462	14	1,695	539		
	DIST_SEC_SERV	1,606,039	587,276	54,862	216	133,278	0	1,974	32	134,291	694,110	DIST_SEC_SERV	1,606,039	587,276	54,862	216	133,278	0	1,974	32	134,291	694,110		
	CUSTOMER	17,811,298	15,027,089	2,002,724	75,211	639,915	24,131	13,514	9,168	0	18,365	1,181	CUSTOMER	17,811,298	15,027,089	2,002,724	75,211	639,915	24,131	13,514	9,168	0	18,365	1,181
	Total	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891	Total	95,956,832	52,471,589	6,419,446	122,116	22,149,466	13,512,808	110,062	16,104	364,660	785,689	4,891
	TOTAL LABOR EXPENSE	PROD_DEMAND	172,124,842	85,372,216	10,508,972	86,493	48,505,975	27,516,630	122,019	12,537	0	0	PROD_DEMAND	172,124,842	85,372,216	10,508,972	86,493	48,505,975	27,516,630	122,019	12,537	0	0	
		PROD_ENERGY	134,781,196	58,248,685	6,818,715	110,494	39,006,639	29,192,844	149,852	16,618	935,959	297,457	PROD_ENERGY	134,781,196	58,248,685	6,818,715	110,494	39,006,639	29,192,844	149,852	16,618	935,959	297,457	
TRANSMISSION		13,747,943	6,818,843	839,372	6,908	3,874,266	2,197,806	9,746	1,001	0	0	TRANSMISSION	13,747,943	6,818,843	839,372	6,908	3,874,266	2,197,806	9,746	1,001	0	0		
DIST_SUBS		8,203,713	5,250,721	491,052	1,935	1,574,700	784,406	50,465	285	34,353	10,918	DIST_SUBS	8,203,713	5,250,721	491,052	1,935	1,574,700	784,406	50,465	285	34,353	10,918		
DIST_PRIMARY		12,646,957	8,425,167	792,608	3,106	2,546,477	717,699	80,974	457	55,122	17,518	DIST_PRIMARY	12,646,957	8,425,167	792,608	3,106	2,546,477	717,699	80,974	457	55,122	17,518		
DIST_L_XFMR		1,717,819	1,161,488	108,966	428	348,564	77,255	11,042	63	7,599	2,415	DIST_L_XFMR	1,717,819	1,161,488	108,966	428	348,564	77,255	11,042	63	7,599	2,415		
DIST_SEC_SERV		7,201,885	2,633,494	246,016	971	597,651	0	8,851	143	602,193	82,354	DIST_SEC_SERV	7,201,885	2,633,494	246,016	971	597,651	0	8,851	143	602,193	82,354		
CUSTOMER		79,870,369	67,385,272	8,980,721	337,266	2,869,539	108,210	60,600	41,111	0	82,354	5,296	CUSTOMER	79,870,369	67,385,272	8,980,721	337,266	2,869,539	108,210	60,600	41,111	0	82,354	5,296
Total		430,294,724	235,295,886	28,786,422	547,601	99,323,811	60,594,851	493,548	72,216	1,635,227	3,523,229	21,934	Total	430,294,724	235,295,886	28,786,422	547,601	99,323,811	60,594,851	493,548	72,216	1,635,227	3,523,229	21,934

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED													
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SIS	SFL	
TOTAL FUNCTIONALIZED REVENUES													
TOTAL FUNCTIONALIZED REVENUES	PROD_DEMAND	1,282,122,017	626,241,605	76,398,260	609,093	371,581,298	206,111,446	1,079,879	91,159	8,158	1,093	24	
	PROD_ENERGY	1,514,975,721	654,439,481	77,573,814	1,237,025	473,053,166	292,058,709	1,934,176	185,420	11,115,698	3,332,280	45,952	
	TRANSMISSION	188,033,623	90,482,610	10,982,048	85,519	55,074,505	31,224,483	171,405	13,053	0	0	0	
	DIST_SUBS	81,160,326	50,875,491	4,698,115	17,631	16,397,144	7,830,120	631,120	2,718	543,533	102,545	61,909	
	DIST_PRIMARY	126,702,377	83,031,948	7,727,134	29,186	26,505,309	7,349,986	978,807	4,452	811,263	168,539	95,752	
	DIST_L_XFMR	63,903,727	42,074,311	3,891,128	14,452	13,695,576	3,136,142	532,134	2,242	473,325	84,417	0	
	DIST_SEC_SERV	128,789,025	28,112,778	2,599,140	9,856	6,804,427	0	117,043	1,506	56,288,903	34,855,373	0	
	CUSTOMER	539,648,791	454,607,494	60,034,532	2,177,752	20,541,117	992,694	462,263	252,135	12,982	531,159	36,663	
	Total	3,925,335,607	2,029,865,718	243,904,171	4,180,515	983,652,542	548,703,580	5,906,826	552,687	69,253,862	39,075,407	240,300	
OPERATING EXPENSES:													
ADJ O&M EXPENSE	PROD_DEMAND	276,375,799	137,074,103	16,862,115	138,838	77,929,993	44,154,314	196,278	20,159	0	0	0	
	PROD_ENERGY	1,265,639,194	548,010,918	66,122,133	1,077,130	399,078,733	237,853,148	1,608,286	158,981	8,882,007	2,809,929	37,929	
	TRANSMISSION	29,578,962	14,667,407	1,804,608	14,857	8,337,464	4,731,478	20,993	2,156	0	0	0	
	DIST_SUBS	14,155,022	9,059,488	846,730	3,339	2,718,453	1,352,640	87,221	492	59,360	18,864	8,434	
	DIST_PRIMARY	39,270,700	26,154,536	2,459,906	9,640	7,908,808	2,234,766	251,612	1,421	171,258	54,426	24,327	
	DIST_L_XFMR	4,278,877	2,892,990	271,292	1,066	868,521	192,347	27,535	157	18,947	6,021	0	
	DIST_SEC_SERV	26,782,280	8,111,780	757,525	2,990	1,841,458	0	27,289	441	6,221,585	9,819,213	0	
	CUSTOMER	211,617,117	178,406,099	23,754,980	889,313	7,550,765	477,494	150,963	107,788	12,982	253,769	12,961	
	Total	1,867,697,951	924,377,321	112,879,290	2,137,172	506,234,195	290,996,188	2,370,177	291,595	15,366,140	12,962,223	83,651	
ADJ DEPRECIATION EXPENSE	PROD_DEMAND	461,893,852	229,094,774	28,200,634	232,102	130,164,892	73,840,372	327,435	33,643	0	0	0	
	PROD_ENERGY	4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	9,773	129	
	TRANSMISSION	44,934,078	22,254,405	2,739,427	22,547	12,644,296	7,238,329	31,807	3,268	0	0	0	
	DIST_SUBS	24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	14,392	
	DIST_PRIMARY	24,158,019	16,187,542	1,519,284	5,967	4,872,284	1,261,408	155,578	879	105,908	33,658	15,040	
	DIST_L_XFMR	21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	30,409	794	95,684	30,409	0	
	DIST_SEC_SERV	28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	0	
	CUSTOMER	97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	80,025	5,218	
	Total	706,758,476	387,595,288	46,991,806	687,782	163,026,703	86,742,630	899,375	81,661	10,874,764	9,823,688	34,779	
ADJ OTHER AMORTIZATIONS	PROD_DEMAND	56,899,790	28,221,732	3,473,980	28,592	16,034,755	9,096,249	40,336	4,144	0	0	0	
	PROD_ENERGY	153,425,070	66,306,049	7,761,928	125,778	44,402,309	33,231,002	170,581	18,917	1,065,428	338,603	4,475	
	TRANSMISSION	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0	0	0	
	DIST_SUBS	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	DIST_PRIMARY	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	49,840	15,840	7,078	
	DIST_L_XFMR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	
	DIST_SEC_SERV	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	13,902	4,418	0	
	CUSTOMER	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	0	40,542	1,734	
	Total	264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170	399,402	13,287	
OTHER TAXES	PROD_DEMAND	53,532,442	26,551,561	3,268,389	26,900	15,085,813	8,557,930	37,949	3,899	0	0	0	
	PROD_ENERGY	8,104,148	3,502,387	409,997	6,644	2,345,398	1,755,313	9,010	999	56,278	17,886	236	
	TRANSMISSION	9,119,014	4,513,194	555,556	4,572	2,564,264	1,474,315	6,451	663	0	0	0	
	DIST_SUBS	3,881,142	2,484,094	232,315	916	744,984	371,099	23,875	135	16,252	5,165	2,308	
	DIST_PRIMARY	4,088,045	2,736,746	256,953	1,009	824,344	216,403	26,303	149	17,905	5,690	2,543	
	DIST_L_XFMR	3,157,407	2,134,852	200,282	787	640,671	141,997	20,295	116	13,967	4,439	0	
	DIST_SEC_SERV	4,382,836	996,984	93,136	368	226,258	0	3,351	54	1,525,646	1,537,039	0	
	CUSTOMER	17,950,435	15,123,923	2,015,169	75,682	669,588	28,133	13,319	7,993	0	15,609	1,019	
Total		104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED											
INCOME TAX											
	NC		NC		NC		NC		NC		NC
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SFL
PROD_DEMAND	75,249,716	35,530,994	4,160,063	30,759	23,245,621	12,182,920	92,283	5,242	1,639	189	5
PROD_ENERGY	14,494,537	6,006,234	516,891	4,015	4,541,903	3,152,198	27,301	1,069	217,255	27,043	628
TRANSMISSION	17,557,610	8,210,875	961,633	7,059	5,376,685	2,978,940	21,215	1,203	0	0	0
DIST_SUBS	6,772,584	4,126,494	367,150	1,291	1,462,167	654,650	71,673	224	73,658	8,023	7,254
DIST_PRIMARY	8,322,028	5,250,213	469,137	1,644	1,868,322	528,122	91,166	284	93,705	10,209	9,225
DIST_L_XFMR	6,074,249	3,880,566	346,348	1,214	1,375,472	326,953	66,675	210	69,267	7,545	0
DIST_SEC_SERV	12,595,022	1,873,489	166,516	587	509,428	0	11,377	102	7,632,759	2,400,765	0
CUSTOMER	30,460,675	25,617,211	3,246,978	108,920	1,350,321	56,552	39,726	13,399	0	24,466	3,103
Total	171,526,421	90,496,076	10,224,716	155,488	39,729,920	19,880,335	421,416	21,732	8,088,283	2,478,239	20,214
ADJ INVESTMENT TAX CREDITS											
PROD_DEMAND	(1,563,276)	(775,369)	(95,445)	(786)	(440,542)	(249,912)	(1,108)	(114)	(0)	(0)	(0)
PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)
TRANSMISSION	(161,808)	(79,569)	(9,795)	(81)	(45,209)	(27,030)	(114)	(12)	0	0	0
DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)
DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(2)	(217)	(69)	(31)
DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0
DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0
CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(0)	(162)	(11)
Total	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)
TOTAL ADJ OPER EXPENSE											
PROD_DEMAND	922,388,323	455,697,795	55,869,737	456,406	262,020,533	147,581,873	693,172	66,973	1,639	189	5
PROD_ENERGY	1,446,084,065	625,736,272	75,094,618	1,217,191	451,647,846	276,949,250	1,820,093	180,512	10,251,669	3,203,217	43,397
TRANSMISSION	104,263,555	51,171,186	6,248,981	50,580	29,789,343	16,913,304	82,645	7,515	0	0	0
DIST_SUBS	48,959,178	31,127,363	2,891,775	11,243	9,561,272	4,687,556	331,329	1,690	250,400	64,193	32,358
DIST_PRIMARY	87,260,725	57,913,711	5,419,748	21,055	17,771,833	4,917,342	597,556	3,144	438,399	119,755	58,182
DIST_L_XFMR	35,095,586	23,502,945	2,187,115	8,447	7,264,501	1,632,037	253,249	1,275	197,666	48,351	0
DIST_SEC_SERV	74,729,193	19,148,964	1,780,095	6,954	4,430,517	0	69,464	1,039	25,913,085	23,379,075	0
CUSTOMER	393,681,092	332,051,895	44,063,988	1,639,026	14,257,336	730,949	296,124	190,520	12,982	414,248	24,025
Total	3,112,461,715	1,596,350,131	193,496,057	3,410,903	796,743,180	453,412,310	4,143,632	452,667	37,065,841	27,229,028	157,966
ADJ RETURN BEFORE INT ADJUSTMENTS											
PROD_DEMAND	359,733,694	170,543,810	20,528,523	152,687	109,560,765	58,529,573	386,707	24,186	6,519	904	19
PROD_ENERGY	68,891,656	28,703,209	2,539,196	19,834	21,405,320	15,109,459	114,083	4,909	864,029	129,063	2,555
TRANSMISSION	83,770,068	39,311,424	4,733,067	34,939	25,285,162	14,311,178	88,760	5,539	0	0	0
DIST_SUBS	32,201,149	19,748,128	1,806,341	6,388	6,835,872	3,142,564	299,791	1,028	293,133	38,353	29,551
DIST_PRIMARY	39,441,652	25,118,237	2,307,386	8,131	8,733,476	2,432,644	381,251	1,308	372,864	48,784	37,570
DIST_L_XFMR	28,808,141	18,571,366	1,704,012	6,005	6,431,076	1,504,106	278,885	967	275,658	36,066	0
DIST_SEC_SERV	54,059,832	8,963,814	819,045	2,901	2,373,910	0	47,579	467	30,375,819	11,476,297	0
CUSTOMER	145,967,699	122,555,599	15,970,544	538,726	6,283,781	261,745	166,139	61,616	0	116,911	12,638
Total	812,873,891	433,515,586	50,408,114	769,612	186,909,362	95,291,270	1,763,194	100,020	32,188,020	11,846,379	82,334
INTEREST ON CUST DEPOSITS - FUNCTIONALIZED											
PROD_DEMAND	(2,559,029)	(2,169,876)	(294,404)	(5,182)	(87,252)	(646)	(907)	(762)	(0)	(0)	(0)
PROD_ENERGY	(2,467,489)	(2,082,033)	(273,180)	(9,502)	(98,705)	(763)	(1,510)	(1,409)	(0)	(307)	(80)
TRANSMISSION	(358,027)	(303,404)	(40,932)	(702)	(12,644)	(99)	(141)	(106)	0	0	0
DIST_SUBS	(198,407)	(175,497)	(18,014)	(149)	(4,030)	(25)	(528)	(23)	(0)	(25)	(117)
DIST_PRIMARY	(317,456)	(280,734)	(29,040)	(242)	(6,361)	(29)	(806)	(36)	(0)	(31)	(177)
DIST_L_XFMR	(163,769)	(144,889)	(14,893)	(122)	(3,367)	(13)	(445)	(19)	(0)	(20)	0
DIST_SEC_SERV	(117,655)	(97,307)	(10,001)	(84)	(1,713)	0	(98)	(13)	(0)	(8,440)	0
CUSTOMER	(1,789,157)	(1,537,938)	(225,454)	(18,038)	(5,119)	(4)	(381)	(2,048)	(0)	(107)	(68)
Total	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED

ADI INCOME FOR RETURN

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL
PROD_DEMAND	357,174,664	168,373,934	20,234,119	147,506	109,473,514	58,528,927	385,800	23,424	6,519	904	19
PROD_ENERGY	66,424,167	26,621,176	2,266,016	10,332	21,306,615	15,108,696	112,573	3,500	864,029	128,755	2,475
TRANSMISSION	83,412,041	39,008,020	4,692,135	34,237	25,272,518	14,311,079	88,619	5,433	0	0	0
DIST_SUBS	32,002,741	19,572,631	1,788,327	6,239	6,831,842	3,142,539	299,263	1,006	293,133	38,328	29,435
DIST_PRIMARY	39,124,196	24,837,503	2,278,347	7,889	8,727,115	2,432,615	380,445	1,272	372,864	48,753	37,393
DIST_L_XFMR	28,644,372	18,426,477	1,689,119	5,883	6,427,708	1,504,093	278,440	948	275,658	36,046	0
DIST_SEC_SERV	53,942,177	8,866,508	809,044	2,818	2,372,197	0	47,480	454	30,375,819	11,467,857	0
CUSTOMER	144,178,543	121,017,661	15,745,090	520,688	6,278,661	261,742	165,758	59,568	0	116,804	12,570
Total	804,902,902	426,723,910	49,502,197	735,591	186,690,170	95,289,691	1,758,378	95,605	32,188,020	11,837,448	81,892

YEAR END RATE BASE:

ADI PLANT IN SERVICE

PROD_DEMAND	10,271,231,517	5,094,429,067	627,103,472	5,161,307	2,894,504,298	1,642,004,003	7,281,238	748,132	0	0	0
PROD_ENERGY	54,636,973	23,612,580	2,764,139	44,792	15,812,330	11,834,059	60,746	6,737	379,415	120,582	1,594
TRANSMISSION	1,790,501,029	881,182,701	108,470,002	892,750	500,662,014	297,904,723	1,259,435	129,404	0	0	0
DIST_SUBS	889,863,698	569,550,083	53,264,845	209,945	170,809,063	85,085,167	5,473,938	30,912	3,726,305	1,184,255	529,185
DIST_PRIMARY	875,895,667	587,003,220	55,089,758	216,378	176,679,543	48,626,793	5,641,679	31,859	3,840,492	1,220,544	545,401
DIST_L_XFMR	799,898,786	540,844,277	50,739,579	199,363	162,307,937	35,973,650	5,141,562	29,354	3,538,495	1,124,567	0
DIST_SEC_SERV	1,036,504,244	220,522,360	20,600,747	81,288	50,045,871	0	741,152	11,969	390,000,434	354,500,423	0
CUSTOMER	3,465,047,345	2,917,956,851	388,767,154	14,600,899	131,013,721	5,701,590	2,551,526	1,457,162	0	2,813,297	185,145
Total	19,183,579,258	10,835,101,138	1,306,799,696	21,406,721	4,101,834,777	2,124,123,985	28,151,277	2,445,530	401,485,141	360,963,668	1,261,324

ADI DEPRECIATION RESERVE

PROD_DEMAND	(4,578,406,354)	(2,270,844,189)	(279,531,672)	(2,300,655)	(1,290,226,673)	(731,924,069)	(3,245,615)	(333,480)	(0)	(0)	(0)
PROD_ENERGY	(11,833,139)	(5,113,954)	(598,650)	(9,701)	(3,424,595)	(2,562,991)	(13,156)	(1,459)	(82,173)	(26,115)	(345)
TRANSMISSION	(505,938,594)	(250,801,420)	(30,872,633)	(254,094)	(142,497,968)	(81,117,189)	(358,459)	(36,831)	0	0	0
DIST_SUBS	(384,970,462)	(246,397,239)	(23,043,295)	(90,826)	(73,894,962)	(36,803,318)	(2,368,121)	(13,373)	(1,612,064)	(512,329)	(228,934)
DIST_PRIMARY	(378,525,743)	(253,682,861)	(23,807,755)	(93,511)	(76,353,966)	(19,712,828)	(2,438,142)	(13,769)	(1,659,730)	(527,478)	(235,704)
DIST_L_XFMR	(346,547,320)	(234,314,814)	(21,982,363)	(86,372)	(70,318,122)	(15,585,187)	(2,227,525)	(12,717)	(1,533,014)	(487,206)	0
DIST_SEC_SERV	(448,616,610)	(95,349,010)	(8,907,309)	(35,147)	(21,638,732)	0	(320,458)	(5,175)	(168,984,072)	(153,376,706)	0
CUSTOMER	(1,489,669,449)	(1,254,405,764)	(167,126,896)	(6,276,776)	(56,390,918)	(2,460,693)	(1,097,459)	(625,104)	(0)	(1,206,343)	(79,496)
Total	(8,144,507,672)	(4,610,909,251)	(555,870,573)	(9,147,081)	(1,734,745,936)	(890,172,276)	(12,068,936)	(1,041,909)	(173,871,053)	(156,136,178)	(544,479)

ADI NET PLANT IN SERV

PROD_DEMAND	5,692,825,163	2,823,584,877	347,571,800	2,860,652	1,604,277,625	910,079,935	4,035,623	414,652	0	0	0
PROD_ENERGY	42,803,834	18,498,627	2,165,489	35,091	12,387,735	9,271,068	47,590	5,278	297,242	94,466	1,249
TRANSMISSION	1,284,562,434	630,381,281	77,597,368	638,657	358,164,046	216,871,533	900,976	92,573	0	0	0
DIST_SUBS	504,893,236	323,152,844	30,221,550	119,119	96,914,102	48,275,849	3,105,818	17,539	2,114,241	671,926	300,250
DIST_PRIMARY	497,369,924	333,320,359	31,282,003	122,867	100,325,577	25,913,965	3,203,537	18,091	2,180,762	693,067	309,697
DIST_L_XFMR	453,351,466	306,529,463	28,757,217	112,991	91,989,815	20,388,463	2,914,037	16,637	2,005,481	637,361	0
DIST_SEC_SERV	587,887,634	125,173,350	11,693,438	46,141	28,407,139	0	420,694	6,794	221,016,362	201,123,717	0
CUSTOMER	1,975,377,896	1,663,551,086	221,640,258	8,324,123	74,622,803	3,240,897	1,454,067	832,058	0	1,606,954	105,649
Total	11,039,071,586	6,224,191,887	750,929,123	12,259,640	2,367,088,841	1,233,957,710	16,082,342	1,403,621	227,614,088	204,827,490	716,845

ADI NUCLEAR FUEL INVENTORY

PROD_DEMAND	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,496,974	236,601	26,397	1,598,938	508,158	6,716



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TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED											
ADJ ACCUM DEFERRED INC TAX											
	NC		NC		NC		NC		NC		NC
	RETAIL	RES	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	
PROD_DEMAND	(692,208,464)	(340,058,688)	(441,964,979)	(330,311)	(195,050,048)	(114,341,904)	(469,923)	(47,709)	441,087	13,841	170
PROD_ENERGY	(105,391,129)	(38,092,341)	(15,463,398)	(544,437)	(26,653,390)	(22,366,296)	(115,599)	(55,373)	(1,772,721)	(318,338)	(7,235)
TRANSMISSION	(146,340,219)	(71,719,924)	(8,828,431)	(72,661)	(40,749,145)	(24,857,019)	(102,506)	(10,532)	0	0	0
DIST_SUBS	(54,726,472)	(35,027,237)	(3,275,779)	(12,912)	(10,504,729)	(5,232,724)	(336,646)	(1,901)	(229,167)	(72,831)	(32,545)
DIST_PRIMARY	(86,206,357)	(57,575,443)	(5,410,902)	(21,223)	(47,371,003)	(4,721,404)	(553,357)	(3,125)	(376,690)	(119,716)	(53,495)
DIST_L_XFMR	(49,069,206)	(33,177,696)	(3,112,582)	(12,230)	(9,956,662)	(2,206,777)	(315,405)	(1,801)	(217,066)	(68,986)	0
DIST_SEC_SERV	(71,651,438)	(19,546,623)	(1,826,005)	(7,205)	(4,435,957)	0	(65,694)	(1,061)	(23,958,181)	(21,810,711)	0
CUSTOMER	(316,318,658)	(267,458,317)	(35,646,922)	(1,338,783)	(10,844,670)	(365,601)	(212,704)	(146,849)	(0)	(288,814)	(15,998)
Total	(1,521,911,942)	(862,656,269)	(115,528,998)	(2,339,762)	(315,565,605)	(174,093,727)	(2,171,835)	(268,350)	(26,512,739)	(22,665,555)	(109,103)
ADJ REGULATORY ASSETS											
PROD_DEMAND	(427,724,307)	(212,147,019)	(26,114,434)	(214,932)	(120,535,677)	(68,377,879)	(303,212)	(31,154)	(0)	(0)	(0)
PROD_ENERGY	636,716,808	275,171,299	32,212,140	521,982	184,270,384	137,909,258	707,913	78,506	4,421,545	1,405,209	18,572
TRANSMISSION	(60,974,486)	(29,549,295)	(3,637,398)	(29,937)	(16,789,037)	(10,922,247)	(42,233)	(4,339)	(0)	0	0
DIST_SUBS	(36,674,212)	(23,473,033)	(2,195,220)	(8,653)	(7,039,604)	(3,506,640)	(225,599)	(1,274)	(153,573)	(48,807)	(21,809)
DIST_PRIMARY	99,055,580	65,542,976	6,183,027	24,160	19,904,503	6,141,427	629,932	3,557	428,817	136,282	60,898
DIST_L_XFMR	(37,129,102)	(25,104,504)	(2,355,192)	(9,254)	(7,533,888)	(1,669,798)	(238,657)	(1,363)	(164,247)	(52,199)	0
DIST_SEC_SERV	(11,916,203)	15,764,077	1,472,648	5,811	3,577,537	0	52,981	856	(18,116,236)	(14,673,877)	0
CUSTOMER	317,404,942	270,178,455	36,093,631	1,353,251	8,959,527	92,948	188,163	190,848	0	390,793	17,326
Total	478,759,019	336,382,956	41,599,202	1,642,428	64,813,745	59,667,071	769,288	235,636	(13,583,694)	(12,842,599)	74,987
TOTAL OPERATING RESERVES											
PROD_DEMAND	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)	(3,428,232)	(15,202)	(1,562)	(0)	(0)	(0)
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
TRANSMISSION	(1,712,824)	(849,544)	(104,575)	(861)	(482,666)	(273,820)	(1,214)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(54,704,658)	(29,788,298)	(3,641,842)	(60,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)
ADJ MATERIALS & SUPPLIES											
PROD_DEMAND	243,038,745	120,544,809	14,838,575	122,127	68,490,004	38,853,237	172,289	17,702	0	0	0
PROD_ENERGY	146,793,638	63,440,129	7,426,437	120,342	42,483,126	31,794,672	163,208	18,099	1,019,377	323,968	4,282
TRANSMISSION	42,845,097	21,068,748	2,593,477	21,345	11,970,641	7,157,679	30,113	3,094	0	0	0
DIST_SUBS	21,533,833	13,782,556	1,288,957	5,080	4,133,413	2,058,978	132,464	748	90,173	28,658	12,806
DIST_PRIMARY	21,195,731	14,204,846	1,333,113	5,236	4,275,455	1,104,118	136,523	771	92,936	29,536	13,198
DIST_L_XFMR	19,356,881	13,087,979	1,227,855	4,824	3,927,716	870,532	124,422	710	85,629	27,214	0
DIST_SEC_SERV	25,082,438	5,336,414	498,517	1,967	1,211,059	0	17,935	290	9,437,689	8,578,567	0
CUSTOMER	83,848,677	70,609,937	9,407,550	353,319	3,170,340	137,972	61,743	35,261	0	68,077	4,480
Total	603,695,041	322,075,419	38,614,481	634,241	139,661,753	81,977,188	838,696	76,675	10,725,803	9,056,019	34,766
ADJ CASH WORK CAPITAL											
PROD_DEMAND	106,644,263	39,721,481	4,490,236	(3,394)	39,324,876	23,022,861	88,865	(657)	0	(4)	(1)
PROD_ENERGY	(35,251,148)	(30,090,070)	(3,953,200)	(138,299)	(1,200,695)	170,717	(21,150)	(20,502)	5,831	(2,640)	(1,141)
TRANSMISSION	20,981,768	8,410,294	982,855	2,746	7,114,938	4,454,285	16,307	343	0	0	0
DIST_SUBS	4,317,143	2,053,651	168,636	(479)	1,326,771	689,900	36,680	(80)	30,230	9,245	2,588
DIST_PRIMARY	2,476,045	664,879	23,016	(1,779)	1,343,009	370,608	34,063	(272)	31,215	9,463	1,840
DIST_L_XFMR	4,077,226	2,257,167	192,734	(172)	1,264,105	290,898	35,095	(35)	28,633	8,802	0
DIST_SEC_SERV	6,680,964	367,535	21,016	(564)	381,350	0	4,582	(87)	3,155,101	2,752,030	0
CUSTOMER	2,256,264	1,444,772	(108,059)	(144,042)	997,663	46,401	15,335	(17,953)	0	21,618	530
Total	112,182,525	24,829,709	1,817,233	(285,982)	50,552,017	29,045,670	209,781	(39,243)	3,251,010	2,798,513	3,816

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS SUMMARY - ADJUSTED											
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL
ADJUSTED RATE BASE											
PROD_DEMAND	4,873,767.723	2,407,437.338	295,841.276	2,409,617	1,382,752.438	781,433.640	3,489,042	349,279	41,087	13,837	169
PROD_ENERGY	898,037.005	380,705.892	33,131.225	168,776	272,747.106	202,774.477	1,018,073	52,192	5,445.998	1,971,346	21,920
TRANSMISSION	1,139,361.770	557,741.560	68,603.297	559,289	319,228.757	192,346.412	801,442	81,014	0	0	0
DIST_SUBS	438,321.447	279,834.606	26,146.965	101,915	84,633.764	42,187.636	2,706.429	14,996	1,847.623	586,829	260,682
DIST_PRIMARY	532,315.268	355,107.944	33,311.508	128,874	108,160.281	28,719.297	3,440.615	18,965	2,350.173	746,449	331,162
DIST_L_XFMR	390,373.246	263,447,701	24,696.456	96,107	79,647.660	17,663.693	2,518.115	14,141	1,737.482	551,890	0
DIST_SEC_SERV	535,186.128	126,766,652	11,828.963	46,028	29,066.668	0	429.396	6,774	191,459,709	175,581.939	0
CUSTOMER	2,052,618.259	1,729,930,560	230,207.571	8,505.848	76,548.154	3,139.135	1,499,054	888,243	0	1,788.367	111,328
Total	10,859,980,846	6,100,972,254	723,767,261	12,016,453	2,352,784,826	1,268,264,291	15,902,165	1,425,605	202,882,073	181,240,658	725,261

RATE OF RETURN												
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total			
	7.33%	6.99%	6.84%	6.12%	7.92%	7.49%	11.06%	6.71%	15.87%	6.53%	11.29%	
	7.40%	6.99%	6.84%	6.12%	7.81%	7.45%	11.06%	6.71%	15.87%	6.53%	11.29%	
	7.32%	6.99%	6.84%	6.12%	7.92%	7.44%	11.06%	6.71%	N/A	N/A	N/A	
	7.30%	6.99%	6.84%	6.12%	8.07%	7.45%	11.06%	6.71%	15.87%	6.53%	11.29%	
	7.35%	6.99%	6.84%	6.12%	8.07%	8.47%	11.06%	6.71%	15.87%	6.53%	11.29%	
	7.34%	6.99%	6.84%	6.12%	8.07%	8.52%	11.06%	6.71%	15.87%	6.53%	N/A	
	10.08%	6.99%	6.84%	6.12%	8.16%	N/A	11.06%	6.71%	15.87%	6.53%	N/A	
	7.02%	7.00%	6.84%	6.12%	8.20%	8.34%	11.06%	6.71%	15.87%	6.53%	11.29%	
	7.41%	6.99%	6.84%	6.12%	7.93%	7.51%	11.06%	6.71%	15.87%	6.53%	11.29%	
	Total											

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

UNIT DETAIL - REVENUES														
TOTAL FUNCTIONALIZED REVENUES														
PROD_DEMAND	1,282,122,017	626,241,605	76,398,260	609,093	371,581,298	206,111,446	1,079,879	91,159	8,158	1,093	24			
PROD_ENERGY	1,514,975,721	654,439,481	77,573,814	1,237,025	473,053,166	292,058,709	1,934,176	185,420	11,115,698	3,332,280	45,952			
TRANSMISSION	188,033,623	90,482,610	10,982,048	85,519	55,074,505	31,224,483	171,405	13,053	0	0	0			
DIST_SUBS	81,160,326	50,875,491	4,698,115	17,631	16,397,144	7,830,120	631,120	2,718	543,533	102,545	61,909			
DIST_PRIMARY	126,702,377	83,031,948	7,727,134	29,186	26,505,309	7,349,986	978,807	4,452	811,263	168,539	95,752			
DIST_L_XFMR	63,903,727	42,074,311	3,891,128	14,452	13,695,576	3,136,142	532,134	2,242	473,325	84,417	0			
DIST_SEC_SERV	128,789,025	28,112,778	2,599,140	9,856	6,804,427	0	117,043	1,506	56,288,903	34,855,373	0			
CUSTOMER	539,648,791	454,607,494	60,034,532	2,177,752	20,541,117	992,694	462,263	252,135	12,982	531,159	36,663			
Total	3,925,335,607	2,029,865,718	243,904,171	4,180,515	983,652,542	548,703,580	5,906,826	552,687	69,253,862	39,075,407	240,300			
TOTAL SALES OF ELECTRICITY														
PROD_DEMAND	1,276,348,438	622,512,056	75,912,919	602,446	370,563,733	205,581,166	1,076,659	90,185	8,158	1,093	24			
PROD_ENERGY	1,502,739,722	651,941,966	76,746,860	1,206,957	472,496,836	287,642,623	1,930,792	182,040	9,003,766	1,542,201	45,882			
TRANSMISSION	180,698,739	86,725,993	10,516,178	81,334	53,093,690	30,102,783	166,318	12,443	0	0	0			
DIST_SUBS	80,070,482	50,131,307	4,626,979	17,276	16,220,690	7,744,129	625,081	2,665	539,768	101,325	61,262			
DIST_PRIMARY	122,556,723	80,194,767	7,458,927	28,007	25,730,086	7,171,722	953,358	4,278	794,467	127,914	93,196			
DIST_L_XFMR	62,936,299	41,387,352	3,825,430	14,133	13,527,987	3,099,703	526,500	2,195	469,742	83,259	0			
DIST_SEC_SERV	127,627,918	27,796,604	2,568,728	9,693	6,752,258	0	116,200	1,482	55,893,918	34,489,035	0			
CUSTOMER	521,011,388	438,813,486	57,908,748	2,088,716	20,037,099	984,542	451,259	241,306	12,982	437,577	35,672			
Total	3,873,989,709	1,999,503,531	239,564,769	4,048,562	978,422,379	542,326,668	5,846,166	536,593	66,722,800	36,782,404	235,837			
NON REQ'T SALES REVENUE														
PROD_DEMAND	4,817,627	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0			
PROD_ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793			
TRANSMISSION	45,117	22,377	2,755	23	12,714	7,213	32	3	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	134,915,331	58,616,985	6,876,382	109,061	39,008,501	28,946,034	148,042	16,389	903,123	287,021	3,793			
FUNCT REQ'TS RATE SCHED REV														
PROD_DEMAND	1,271,530,812	620,122,561	75,618,782	600,026	369,206,092	204,810,999	1,073,243	89,834	8,158	1,093	24			
PROD_ENERGY	1,372,687,135	595,736,854	70,167,370	1,100,339	434,858,690	259,473,968	1,786,197	166,004	8,100,643	1,255,180	41,889			
TRANSMISSION	180,653,622	86,703,616	10,513,424	81,311	53,080,976	30,095,570	166,286	12,440	0	0	0			
DIST_SUBS	80,070,482	50,131,307	4,626,979	17,276	16,220,690	7,744,129	625,081	2,665	539,768	101,325	61,262			
DIST_PRIMARY	122,556,723	80,194,767	7,458,927	28,007	25,730,086	7,171,722	953,358	4,278	794,467	127,914	93,196			
DIST_L_XFMR	62,936,299	41,387,352	3,825,430	14,133	13,527,987	3,099,703	526,500	2,195	469,742	83,259	0			
DIST_SEC_SERV	127,627,918	27,796,604	2,568,728	9,693	6,752,258	0	116,200	1,482	55,893,918	34,489,035	0			
CUSTOMER	521,011,388	438,813,486	57,908,748	2,088,716	20,037,099	984,542	451,259	241,306	12,982	437,577	35,672			
Total	3,739,074,378	1,940,886,547	232,688,387	3,939,501	939,413,878	513,380,633	5,698,124	520,204	65,819,677	36,495,383	232,043			

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE												
PRODUCTION O&M EXPENSE:												
FUEL & PURCHASED POWER:												
OM PROD ENERGY - FUEL												
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	0
OM NC REPS RECS EXPENSE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065	0
OM DEFERRED FUEL EXPENSE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	0
OM PROD PURCHASES - CAPACITY COST												
PROD_DEMAND	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	0	0	0	0
OM PROD PURCHASES - ENERGY COST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL FUEL, DEF. FUEL & PURCH POWER												
PROD_DEMAND	67,279,932	33,370,180	4,107,733	33,808	18,959,952	10,755,664	47,694	4,901	7,400,578	2,180,116	0	0
PROD_ENERGY	973,125,414	419,135,410	56,800,476	1,127,395	278,922,952	206,288,921	1,087,793	150,911	0	0	0	30,863
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,040,405,347	452,505,590	60,908,210	1,161,204	297,882,903	217,044,585	1,135,487	155,812	7,400,578	2,180,116	0	30,863
OM PROD FIXED O&M												
PROD_DEMAND	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	193,666,765	96,056,797	11,824,200	97,318	54,576,638	30,960,416	137,290	14,106	0	0	0	0
ENERGY RELATED:												
OM PROD VARIABLE O&M												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138	0
OM OTHER EXPENSES - DSM REL												
PROD_DEMAND	33,940,706	21,193,284	2,468,646	40,418	9,590,187	516,872	51,763	6,085	54,773	18,452	226	0
PROD_ENERGY	33,940,706	21,193,284	2,468,646	40,418	9,590,187	516,872	51,763	6,085	54,773	18,452	226	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	67,881,412	42,386,568	4,937,291	80,835	19,180,375	1,033,744	103,527	12,170	109,546	36,904	452	0
OM PROD VARIABLE O&M-DERP REL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

TOTAL PRODUCTION O&M-ENERGY		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	33,940,706	21,193,284	2,468,646	40,418	9,590,187	516,872	51,763	6,085	54,773	18,452	226	
PROD_ENERGY	312,940,499	141,769,237	16,583,524	269,142	90,334,717	361,960	40,485	1,992,228	634,193	8,364		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0		
Total	346,881,206	162,962,521	19,052,170	309,560	99,924,904	61,463,521	413,724	46,570	2,047,001	652,645	8,590	
TOTAL PRODUCTION O&M												
PROD_DEMAND	294,887,403	150,620,261	18,400,579	171,544	83,126,777	42,232,953	236,748	25,092	54,773	18,452	226	
PROD_ENERGY	1,286,065,914	560,904,647	73,384,000	1,396,538	369,257,669	267,235,569	1,449,753	191,396	9,392,806	2,814,309	39,227	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0		
Total	1,580,953,317	711,524,907	91,784,580	1,568,081	452,384,445	309,468,522	1,686,500	216,488	9,447,579	2,832,761	39,453	

TRANSMISSION O&M EXPENSE:  
OM TRANSMISSION EXP - TRANS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0	
OM TRANS EXP - OTH PROD RELATED												
PROD_DEMAND	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0	

TOTAL TRANSMISSION O&M												
PROD_DEMAND	1,747,573	866,779	106,697	878	492,478	279,375	1,239	127	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	20,905,999	10,369,169	1,276,402	10,505	5,891,456	3,342,125	14,820	1,523	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	22,653,573	11,235,948	1,383,099	11,383	6,383,934	3,621,499	16,059	1,650	0	0	0	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																					
DISTRIBUTION O&M EXPENSE:																					
OM OVERHEAD LINES																					
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
	0	0	0	0	25,128,992	0	6,203,359	79,202,344	110,534,696	0	0	0	0	1,571,911	6,151	1,487,885	160,383	906	109,178	34,698	15,505
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0													

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OM DISTRIBUTION RENTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	474,886	315,358	29,706	116	95,528	28,118	3,031	17	2,063	656	293	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	117,231	87,960	8,217	32	19,962	0	296	5	575	183	0	0	0	0
	CUSTOMER	1,496,760	1,276,266	170,226	6,393	40,296	201	805	830	0	0	1,678	66	0	0
	Total	2,088,877	1,679,584	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359	0	0	0
OM LOAD DISPATCH	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414	0	0	0
OM DISTRIBUTION EXP - MISC & SUPERVISION	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	2,868,850	1,836,184	171,722	677	550,675	274,308	17,648	100	12,013	3,818	1,706	0	0	0
	DIST_PRIMARY	2,817,820	1,888,498	177,231	696	568,397	146,707	18,150	102	12,356	3,927	1,755	0	0	0
	DIST_L_XFMR	2,586,230	1,748,656	164,051	645	524,773	116,310	16,624	95	11,441	3,636	0	0	0	0
	DIST_SEC_SERV	3,344,695	710,159	66,242	262	161,165	0	2,387	39	1,261,257	1,143,085	0	0	0	0
	CUSTOMER	11,031,208	9,288,580	1,237,528	46,478	418,082	18,293	8,131	4,619	1,297,066	1,163,375	588	0	0	0
	Total	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,339	4,954	1,297,066	1,163,375	4,049	0	0	0
OM CUSTOMER INSTALLATIONS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0	0	0	0
OM SUBSTATIONS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968	0	0	0

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE	NC												NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OM DISTRIBUTION EXP - DSM/EE	PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
	PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
	Total	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21		
	PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
TOTAL DISTRIBUTION O&M	PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	10,237,860	6,552,660	612,811	2,415	1,965,154	978,903	62,978	356	42,871	13,625	6,088		
	DIST_PRIMARY	32,273,055	21,494,940	2,022,344	7,923	6,497,778	1,837,018	206,588	1,167	140,631	44,694	19,972		
	DIST_L_XFMR	3,258,756	2,203,378	206,711	812	661,236	146,555	20,947	120	14,416	4,581	0		
	DIST_SEC_SERV	22,974,727	6,668,273	622,936	2,458	1,513,314	0	22,411	362	5,825,459	8,319,514	0		
	CUSTOMER	104,962,472	88,411,665	11,780,781	442,432	3,917,736	162,857	80,025	53,420	0	106,845	6,711		
	Total	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792		
	PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
	PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	10,237,860	6,552,660	612,811	2,415	1,965,154	978,903	62,978	356	42,871	13,625	6,088		
	DIST_PRIMARY	32,273,055	21,494,940	2,022,344	7,923	6,497,778	1,837,018	206,588	1,167	140,631	44,694	19,972		
	DIST_L_XFMR	3,258,756	2,203,378	206,711	812	661,236	146,555	20,947	120	14,416	4,581	0		
	DIST_SEC_SERV	22,974,727	6,668,273	622,936	2,458	1,513,314	0	22,411	362	5,825,459	8,319,514	0		
	CUSTOMER	104,962,472	88,411,665	11,780,781	442,432	3,917,736	162,857	80,025	53,420	0	106,845	6,711		
	Total	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792		

**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL
<b>CUST. ACCOUNTING EXPENSE:</b>												
OM METER READING												
OM CUST ACCT EXP - MISC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	274
	Total	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	274
OM UNCOLLECTIBLES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	1,177	58
	Total	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	1,177	58
OM CUSTOMER RECORDS, EXCL REPS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495
	Total	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	10,014	495
OM CUSTOMER RECORDS, EXCL REPS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922
	Total	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	38,877	1,922



**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE	TOTAL CUST ACCT EXPENSE										
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749
Total	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	50,068	2,749

**CUST. SERV & INFO EXPENSE:**  
OM CUST SERV & INFO - CUST ASSIST

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177
Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177

**TOTAL CUST SERV & INFO EXP**

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177
Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177

**TOTAL SALES EXPENSE**

PROD_DEMAND	692	432	50	1	196	11	1	0	1	0	0
PROD_ENERGY	692	432	50	1	196	11	1	0	1	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378
Total	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378

**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
A&G REGULATORY EXPENSE:												
OM REGULATORY FEE - NCRETAIL												
PROD_DEMAND	2,360,442	1,170,756	144,115	1,186	665,189	377,351	1,673	172	0	0	0	0
PROD_ENERGY	1,848,328	798,796	93,509	1,515	534,919	400,337	2,055	228	12,835	4,079	0	54
TRANSMISSION	188,533	93,511	11,511	95	53,130	30,140	134	14	0	0	0	0
DIST_SUBS	112,502	72,006	6,734	27	21,595	10,757	692	4	471	150	150	67
DIST_PRIMARY	173,435	115,539	10,869	43	34,921	9,842	1,110	6	756	240	240	107
DIST_L_XFMR	23,557	15,928	1,494	6	4,780	1,059	151	1	104	33	33	0
DIST_SEC_SERV	98,763	36,115	3,374	13	8,196	0	121	2	8,258	42,684	0	0
CUSTOMER	1,095,306	924,091	123,158	4,625	39,352	1,484	831	564	0	1,129	1,129	73
Total	5,900,866	3,226,741	394,764	7,510	1,362,082	830,970	6,768	990	22,425	48,316	48,316	301
OM REGULATORY EXPENSE-SCRETAIL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
OM REGULATORY EXPENSE-TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,136,830	563,856	69,408	571	320,367	181,739	806	83	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,136,830	563,856	69,408	571	320,367	181,739	806	83	0	0	0	0
TOTAL ADM & GEN REG EXPENSE												
PROD_DEMAND	2,360,442	1,170,756	144,115	1,186	665,189	377,351	1,673	172	0	0	0	0
PROD_ENERGY	1,848,328	798,796	93,509	1,515	534,919	400,337	2,055	228	12,835	4,079	4,079	54
TRANSMISSION	1,325,363	657,367	80,919	666	373,496	211,878	940	97	0	0	0	0
DIST_SUBS	112,502	72,006	6,734	27	21,595	10,757	692	4	471	150	150	67
DIST_PRIMARY	173,435	115,539	10,869	43	34,921	9,842	1,110	6	756	240	240	107
DIST_L_XFMR	23,557	15,928	1,494	6	4,780	1,059	151	1	104	33	33	0
DIST_SEC_SERV	98,763	36,115	3,374	13	8,196	0	121	2	8,258	42,684	42,684	0
CUSTOMER	1,095,306	924,091	123,158	4,625	39,352	1,484	831	564	0	1,129	1,129	73
Total	7,037,696	3,790,597	464,172	8,081	1,682,448	1,012,709	7,574	1,073	22,425	48,316	48,316	301

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
OTHER A&G EXPENSE:												
OM A&G LABOR RELATED & MISC												
PROD_DEMAND	95,165,305	47,201,048	5,810,257	47,821	26,818,243	15,213,542	67,462	6,932	0	0	0	0
PROD_ENERGY	74,518,549	32,204,845	3,769,968	61,090	21,566,199	16,140,296	82,851	9,188	517,478	164,459	2,174	2,174
TRANSMISSION	7,601,036	3,770,039	464,076	3,820	2,142,025	1,215,135	5,388	554	0	0	0	0
DIST_SUBS	4,535,713	2,903,047	271,496	1,070	870,629	433,687	27,901	158	18,993	6,036	2,697	2,697
DIST_PRIMARY	6,992,317	4,658,152	438,221	1,717	1,407,910	396,805	44,769	253	30,476	9,686	4,328	4,328
DIST_L_XFMR	949,757	642,170	60,245	237	192,716	42,713	6,105	35	4,201	1,335	0	0
DIST_SEC_SERV	3,981,817	1,456,020	136,018	537	330,433	0	4,894	79	332,944	1,720,892	0	0
CUSTOMER	44,159,158	37,256,330	4,965,309	186,469	1,586,526	59,828	33,505	22,730	0	45,533	2,928	2,928
Total	237,903,652	130,091,650	15,915,591	302,761	54,914,680	33,502,006	272,875	39,927	904,093	1,947,941	12,127	12,127
OM A&G LABOR RELATED - DSM/EE												
PROD_DEMAND	543,202	339,187	39,509	647	153,486	8,272	828	97	877	295	4	4
PROD_ENERGY	543,202	339,187	39,509	647	153,486	8,272	828	97	877	295	4	4
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7	7
OM A&G LABOR RELATED - DERP												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
OM A&G ALL PLANT RELATED												
PROD_DEMAND	2,587,216	1,283,233	157,961	1,300	729,095	413,604	1,834	188	0	0	0	0
PROD_ENERGY	12,190	5,268	617	10	3,528	2,640	14	2	85	27	0	0
TRANSMISSION	395,802	194,632	23,958	197	110,584	66,122	278	29	0	0	0	0
DIST_SUBS	198,929	127,323	11,907	47	38,184	19,021	1,224	7	833	265	118	118
DIST_PRIMARY	195,805	131,224	12,315	48	39,497	10,200	1,261	7	859	273	122	122
DIST_L_XFMR	178,818	120,906	11,343	45	36,284	8,042	1,149	7	791	251	0	0
DIST_SEC_SERV	231,711	49,298	4,605	18	11,188	0	166	3	87,185	79,249	0	0
CUSTOMER	774,591	652,292	86,907	3,264	29,287	1,275	570	326	0	629	41	41
Total	4,575,062	2,564,177	309,613	4,929	997,648	520,903	6,496	568	89,752	80,693	282	282

### Summer 1 CP Demand Allocation with Minimum System

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**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Performa Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
  
Summer 1 CP Demand Allocation with Minimum System

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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**O&M ADJUSTMENTS:**

ADJOM FUEL CLAUSE - FUEL REL

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547

ADJOM FUEL CLAUSE - REM ENERGY

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)

ADJOM DEFERRED FUEL

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035

TOTAL FUEL ADJUSTMENTS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)



**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADIOM PUR CAP COST ADJ	PROD_DEMAND	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	(0)
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)	PROD_DEMAND	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	Total	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)
	PROD_DEMAND	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TOTAL PURCHASE POWER ADJ.	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(1,965,181)	(974,710)	(119,983)	(988)	(553,802)	(314,162)	(1,393)	(143)	(0)	(0)	(0)	PROD_DEMAND	(346,977)	(138,885)	(12,822)	(89)	(93,977)	(100,899)	(297)	(7)	(0)	0	0
	PROD_ENERGY	(284,574)	(94,836)	(8,320)	(114)	(73,888)	(107,011)	(364)	(10)	(50)	17	1	TRANSMISSION	(27,714)	(11,093)	(1,024)	(7)	(7,506)	(8,059)	(24)	(1)	0	0	0
	DIST_SUBS	(15,293)	(8,539)	(599)	(2)	(3,154)	(2,876)	(123)	(0)	(2)	1	1	DIST_PRIMARY	(22,647)	(13,702)	(967)	(3)	(5,095)	(2,682)	(197)	(0)	(3)	1	2
	DIST_L_XFMR	(3,037)	(1,889)	(133)	(0)	(698)	(290)	(27)	(0)	(0)	0	0	DIST_SEC_SERV	(5,684)	(4,283)	(300)	(1)	(1,219)	0	(22)	(0)	(32)	173	0
	CUSTOMER	(127,273)	(109,496)	(10,958)	(347)	(5,903)	(405)	(147)	(24)	(0)	5	1	Total	(833,199)	(382,722)	(35,123)	(563)	(191,441)	(222,221)	(1,200)	(42)	(87)	196	4
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	PROD_ENERGY	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
ADIOM WEATHER REL FUEL	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	Total	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0
	PROD_DEMAND	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0	PROD_ENERGY	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0	PROD_DEMAND	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0
	PROD_ENERGY	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	Total	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
ADIOM WEATHER REL NC REG FEE														
PROD_DEMAND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
PROD_ENERGY	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
(104,445)	(71,190)	(73,208)	(27,309)	(198)	(2,660)	(1,069)	0	0	0	0	0	0	0	0
TRANSMISSION	(8,342)	(5,847)	(2,181)	(16)	(212)	(85)	0	0	0	0	0	0	0	0
DIST_SUBS	(5,900)	(4,502)	(1,276)	(4)	(87)	(30)	0	0	0	0	0	0	0	0
DIST_PRIMARY	(9,461)	(7,224)	(2,060)	(7)	(140)	(29)	0	0	0	0	0	0	0	0
DIST_L_XFMR	(1,302)	(996)	(283)	(1)	(19)	(3)	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(2,933)	(2,258)	(639)	(2)	(33)	0	0	0	0	0	0	0	0	0
CUSTOMER	(82,052)	(57,777)	(23,338)	(773)	(159)	(4)	0	0	0	0	0	0	0	0
Total	(285,625)	(201,767)	(74,807)	(1,255)	(5,443)	(2,354)	0	0	0	0	0	0	0	0
ADIOM FUEL - CUSTOMER GROWTH														
PROD_DEMAND														
PROD_ENERGY	2,857,405	(1,917,498)	261,769	9,831	3,845,022	584,590	84,490	1,302	0	0	0	0	0	396
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,857,405	(1,917,498)	261,769	9,831	3,845,022	584,590	84,490	1,302	0	0	0	0	(12,495)	396
ADIOM NCUC FEE - CUSTOMER GROWTH														
PROD_DEMAND														
PROD_ENERGY	12,484	(11,171)	1,500	25	18,317	3,468	341	3	0	0	0	0	(0)	0
TRANSMISSION	11,695	(7,614)	973	32	14,319	3,612	419	5	0	0	0	0	(53)	2
DIST_SUBS	997	(892)	120	2	1,463	277	27	0	0	0	0	0	0	0
DIST_PRIMARY	242	(687)	70	1	620	97	141	0	0	0	0	0	(2)	3
DIST_L_XFMR	362	(1,103)	113	1	1,001	122	227	0	0	0	0	0	(3)	4
DIST_SEC_SERV	45	(152)	16	0	137	14	31	0	0	0	0	0	(0)	0
CUSTOMER	(602)	(345)	35	0	241	0	25	0	0	0	0	0	(558)	0
Total	(6,097)	(8,832)	1,282	98	1,167	19	170	11	0	0	0	0	(15)	3
Total	19,125	(30,796)	4,109	160	37,265	7,609	1,381	20	0	0	0	0	(632)	12
ADIOM REMOVE REPS														
PROD_DEMAND														
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)			

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
  
Summer '1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADJOM REMOVE DSM													
PROD_DEMAND	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)		
PROD_ENERGY	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(72,128,445)	(45,038,504)	(5,246,195)	(85,893)	(20,380,404)	(1,098,421)	(110,004)	(12,932)	(116,400)	(39,212)	(480)		
ADJOM REMOVE DSM - PLANT RELATED													
PROD_DEMAND	(271,351)	(134,587)	(16,567)	(136)	(76,469)	(43,379)	(192)	(20)	(0)	(0)	(0)		
PROD_ENERGY	(1,278)	(553)	(65)	(1)	(370)	(277)	(1)	(0)	(9)	(3)	(0)		
TRANSMISSION	(41,512)	(20,413)	(2,513)	(21)	(11,598)	(6,935)	(29)	(3)	0	0	0		
DIST_SUBS	(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)		
DIST_PRIMARY	(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)		
DIST_L_XFMR	(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0		
DIST_SEC_SERV	(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0		
CUSTOMER	(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)		
Total	(479,839)	(268,935)	(32,473)	(517)	(104,635)	(54,633)	(661)	(60)	(9,413)	(8,463)	(30)		
TOTAL DSM RELATED ADJ TO O&M													
PROD_DEMAND	(36,335,573)	(22,653,839)	(2,639,665)	(43,083)	(10,266,670)	(592,590)	(55,194)	(6,486)	(58,200)	(19,606)	(240)		
PROD_ENERGY	(36,065,501)	(22,519,805)	(2,623,162)	(42,948)	(10,190,572)	(549,487)	(55,003)	(6,466)	(58,209)	(19,609)	(240)		
TRANSMISSION	(41,512)	(20,413)	(2,513)	(21)	(11,598)	(6,935)	(29)	(3)	0	0	0		
DIST_SUBS	(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)		
DIST_PRIMARY	(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)		
DIST_L_XFMR	(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0		
DIST_SEC_SERV	(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0		
CUSTOMER	(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)		
Total	(72,608,284)	(45,307,439)	(5,278,668)	(86,410)	(20,485,039)	(1,153,054)	(110,665)	(12,991)	(125,813)	(47,676)	(510)		
ADJOM JAAR PROD DEMAND REL													
PROD_DEMAND	(44,430,508)	(22,037,092)	(2,712,676)	(22,326)	(12,520,825)	(7,102,855)	(31,497)	(3,236)	(0)	(0)	(0)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(44,430,508)	(22,037,092)	(2,712,676)	(22,326)	(12,520,825)	(7,102,855)	(31,497)	(3,236)	(0)	(0)	(0)		

COS DETAIL - OPER, EXPENSE													
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
ADJOM JAAR A&G REL	PROD_DEMAND	(19,073,136)	(9,460,086)	(1,164,498)	(9,584)	(5,374,942)	(3,049,115)	(13,521)	(1,389)	(0)	(0)		
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0		
	Total	(19,073,136)	(9,460,086)	(1,164,498)	(9,584)	(5,374,942)	(3,049,115)	(13,521)	(1,389)	(0)	(0)		
	ADJOM EXECUTIVE COMPENSATION	PROD_DEMAND	(959,565)	(475,935)	(58,586)	(482)	(270,412)	(153,400)	(680)	(70)	(0)	(0)	
PROD_ENERGY		(751,381)	(324,726)	(38,013)	(616)	(217,455)	(162,745)	(835)	(93)	(5,218)	(1,658)		
TRANSMISSION		(76,642)	(38,014)	(4,679)	(39)	(21,598)	(12,252)	(54)	(6)	0	0		
DIST_SUBS		(45,734)	(29,272)	(2,738)	(11)	(8,779)	(4,373)	(261)	(2)	(192)	(61)		
DIST_PRIMARY		(70,505)	(46,969)	(4,419)	(17)	(14,196)	(4,001)	(451)	(3)	(307)	(98)		
DIST_L_XFMR		(9,577)	(6,475)	(607)	(2)	(1,943)	(431)	(62)	(0)	(42)	(13)		
DIST_SEC_SERV		(40,149)	(14,681)	(1,371)	(5)	(3,332)	0	(49)	(1)	(3,357)	(17,352)		
CUSTOMER		(445,263)	(375,661)	(50,066)	(1,880)	(15,997)	(603)	(38)	(229)	(0)	(459)		
Total		(2,398,816)	(1,311,733)	(160,479)	(3,053)	(553,713)	(337,805)	(2,751)	(403)	(9,116)	(19,641)		
ADJOM NON LABOR, NON FUEL INFLATION		PROD_DEMAND	738,231	366,155	45,072	371	208,039	118,017	523	54	0	0	
	PROD_ENERGY	4,459	1,927	226	4	1,290	966	5	1	31	10		
	TRANSMISSION	139,219	68,222	8,398	69	38,762	23,660	98	10	0	0		
	DIST_SUBS	53,931	34,518	3,228	13	10,352	5,157	332	2	226	72		
	DIST_PRIMARY	53,123	35,602	3,341	13	10,716	2,768	342	2	233	74		
	DIST_L_XFMR	48,430	32,746	3,072	12	9,827	2,178	311	2	214	68		
	DIST_SEC_SERV	62,798	13,370	1,249	5	3,034	0	45	1	23,611	21,483		
	CUSTOMER	210,913	177,618	23,665	889	7,968	346	155	89	0	172		
	Total	1,311,104	730,158	88,251	1,375	289,988	153,091	1,811	159	24,315	21,879		
	ADJOM YEAR END PAYROLL	PROD_DEMAND	(7,405,219)	(3,672,915)	(452,121)	(3,721)	(2,086,842)	(1,183,831)	(5,250)	(539)	(0)	(0)	
PROD_ENERGY		(5,798,607)	(2,505,997)	(293,357)	(4,754)	(1,678,158)	(1,255,945)	(6,447)	(715)	(40,267)	(12,797)		
TRANSMISSION		(591,469)	(293,363)	(36,112)	(297)	(166,680)	(94,555)	(419)	(43)	0	0		
DIST_SUBS		(352,943)	(225,898)	(21,126)	(83)	(67,747)	(33,747)	(2,171)	(12)	(1,478)	(470)		
DIST_PRIMARY		(544,102)	(362,471)	(34,100)	(134)	(109,555)	(30,877)	(3,484)	(20)	(2,371)	(754)		
DIST_L_XFMR		(73,905)	(49,970)	(4,688)	(18)	(14,996)	(3,324)	(475)	(3)	(327)	(104)		
DIST_SEC_SERV		(309,842)	(113,299)	(10,584)	(42)	(25,712)	0	(381)	(6)	(25,908)	(133,910)		
CUSTOMER		(3,436,213)	(2,899,074)	(386,372)	(14,510)	(123,454)	(4,655)	(2,607)	(1,769)	(0)	(3,543)		
Total		(18,512,300)	(10,122,987)	(1,238,460)	(23,559)	(4,273,146)	(2,606,934)	(21,234)	(3,107)	(70,351)	(151,578)		

COS DETAIL - OPER. EXPENSE													
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
ADJOM PENSION EXPENSE	PROD_DEMAND	(1,223,997)	(607,090)	(74,730)	(615)	(344,931)	(195,674)	(868)	(89)	(0)	(0)	(0)	
	PROD_ENERGY	(958,443)	(414,212)	(48,489)	(786)	(277,380)	(207,593)	(1,066)	(118)	(6,656)	(2,115)	(28)	
	TRANSMISSION	(97,763)	(48,489)	(5,969)	(49)	(27,550)	(15,629)	(69)	(7)	0	0	0	
	DIST_SUBS	(58,337)	(37,338)	(3,492)	(14)	(11,198)	(5,578)	(359)	(2)	(244)	(78)	(35)	
	DIST_PRIMARY	(89,934)	(59,912)	(5,636)	(22)	(18,108)	(5,104)	(576)	(3)	(392)	(125)	(56)	
	DIST_L_XFMR	(12,216)	(8,259)	(775)	(3)	(2,479)	(549)	(79)	(0)	(54)	(17)	0	
	DIST_SEC_SERV	(51,213)	(18,727)	(1,749)	(7)	(4,250)	0	(63)	(1)	(4,282)	(22,134)	0	
	CUSTOMER	(567,966)	(479,183)	(63,863)	(2,398)	(20,406)	(769)	(431)	(292)	(0)	(586)	(38)	
	Total	(3,059,869)	(1,673,213)	(204,703)	(3,894)	(706,302)	(430,896)	(3,510)	(514)	(11,628)	(25,054)	(156)	
	ADJOM NUCLEAR LEVELIZATION	PROD_DEMAND	(6,232,200)	(3,091,110)	(380,503)	(3,132)	(1,756,277)	(996,307)	(4,418)	(454)	(0)	(0)	(0)
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	
Total		(6,232,200)	(3,091,110)	(380,503)	(3,132)	(1,756,277)	(996,307)	(4,418)	(454)	(0)	(0)	(0)	
ADJOM RATE CASE EXPENSE		PROD_DEMAND	394,706	195,770	24,098	198	111,231	63,099	280	29	0	0	0
	PROD_ENERGY	2,384	1,030	121	2	690	516	3	0	17	5	0	
	TRANSMISSION	74,435	36,476	4,490	37	20,725	12,650	52	5	0	0	0	
	DIST_SUBS	28,835	18,456	1,726	7	5,535	2,757	177	1	121	38	17	
	DIST_PRIMARY	28,403	19,035	1,786	7	5,729	1,480	183	1	125	40	18	
	DIST_L_XFMR	25,894	17,508	1,643	6	5,254	1,165	166	1	115	36	0	
	DIST_SEC_SERV	33,576	7,148	668	3	1,622	0	24	0	12,624	11,486	0	
	CUSTOMER	112,767	94,966	12,653	475	4,260	185	83	47	0	92	6	
	Total	701,000	390,389	47,184	735	155,046	81,852	968	85	13,000	11,698	41	
	ADJOM AVIATION	PROD_DEMAND	(580,881)	(288,111)	(35,465)	(292)	(163,696)	(92,862)	(412)	(42)	(0)	(0)	(0)
PROD_ENERGY		(454,855)	(196,576)	(23,012)	(373)	(131,638)	(98,519)	(506)	(56)	(3,159)	(1,004)	(13)	
TRANSMISSION		(46,396)	(23,012)	(2,833)	(23)	(13,075)	(7,417)	(33)	(3)	0	0	0	
DIST_SUBS		(27,686)	(17,720)	(1,657)	(7)	(5,314)	(2,647)	(170)	(1)	(116)	(37)	(16)	
DIST_PRIMARY		(42,681)	(28,433)	(2,675)	(10)	(8,594)	(2,422)	(273)	(2)	(186)	(59)	(26)	
DIST_L_XFMR		(5,797)	(3,920)	(368)	(1)	(1,176)	(261)	(37)	(0)	(26)	(8)	0	
DIST_SEC_SERV		(24,305)	(8,887)	(830)	(3)	(2,017)	0	(30)	(0)	(2,032)	(10,504)	0	
CUSTOMER		(269,544)	(227,410)	(30,308)	(1,138)	(9,884)	(365)	(205)	(139)	(0)	(278)	(18)	
Total		(1,452,144)	(794,069)	(97,147)	(1,848)	(335,195)	(204,494)	(1,666)	(244)	(5,519)	(11,890)	(74)	



**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		ADJOM ANNUALIZE NC REGULATORY EXPENSE															
		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL					
ADJOM ANNUALIZE NC REGULATORY EXPENSE	PROD_DEMAND	(27,699)	(13,738)	(1,691)	(14)	(7,806)	(4,428)	(20)	(2)	(0)							
	PROD_ENERGY	(21,689)	(9,373)	(1,097)	(18)	(6,277)	(4,698)	(24)	(3)	(151)	(48)						
	TRANSMISSION	(2,212)	(1,097)	(135)	(1)	(623)	(354)	(2)	(0)	0	0						
	DIST_SUBS	(1,320)	(845)	(79)	(0)	(253)	(126)	(8)	(0)	(6)	(2)						
	DIST_PRIMARY	(2,035)	(1,356)	(128)	(0)	(410)	(115)	(13)	(0)	(9)	(3)						
	DIST_L_XFMR	(276)	(187)	(18)	(0)	(56)	(12)	(2)	(0)	(1)	(0)						
	DIST_SEC_SERV	(1,159)	(424)	(40)	(0)	(96)	0	(1)	(0)	(97)	(501)						
	CUSTOMER	(12,853)	(10,844)	(1,445)	(54)	(462)	(17)	(10)	(7)	(0)	(13)						
	Total	(69,244)	(37,864)	(4,632)	(88)	(15,983)	(9,751)	(79)	(12)	(263)	(567)						
	ADJOM EXPIRING O&M AMORT-ENERGY REL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0					
PROD_ENERGY		303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669						
TRANSMISSION		0	0	0	0	0	0	0	0	0	0						
DIST_SUBS		0	0	0	0	0	0	0	0	0	0						
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0						
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0						
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0						
CUSTOMER		0	0	0	0	0	0	0	0	0	0						
Total		303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669						
ADJOM EXPIRING O&M AMORT-PROD DEM REL		PROD_DEMAND	1,184,394	587,448	72,312	595	333,770	189,342	840	86	0	0					
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0						
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0						
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0						
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0						
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0						
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0						
	CUSTOMER	0	0	0	0	0	0	0	0	0	0						
	Total	1,184,394	587,448	72,312	595	333,770	189,342	840	86	0	0	0					
	ADJOM EXPIRING O&M AMORT-LABOR REL	PROD_DEMAND	74,070	36,738	4,522	37	20,873	11,841	53	5	0	0					
PROD_ENERGY		58,000	25,066	2,934	48	16,786	12,562	64	7	403	128						
TRANSMISSION		5,916	2,934	361	3	1,667	946	4	0	0	0						
DIST_SUBS		3,530	2,260	211	1	678	338	22	0	15	5						
DIST_PRIMARY		5,442	3,626	341	1	1,096	309	35	0	24	8						
DIST_L_XFMR		739	500	47	0	150	33	5	0	3	1						
DIST_SEC_SERV		3,099	1,133	106	0	257	0	4	0	259	1,339						
CUSTOMER		34,370	28,998	3,865	145	1,235	47	26	18	0	35						
Total		185,167	101,254	12,388	236	42,742	26,075	212	31	704	1,516						

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																							
ADJOM MERGER RELATED- LAB RELATED																							
PROD_DEMAND	NC	RETAIL	NC	RES	NC	SGS	NC	SGSCLR	NC	MGS	NC	LGS	NC	SI	NC	TSS	NC	ALS	NC	SLS	NC	SFL	NC
PROD_ENERGY	(1,481,621)		(734,869)	(90,459)	(745)	(417,531)	(236,858)	(1,050)	(108)	(0)	(0)	(0)	(0)	(0)	(0)	(143)	(8,057)	(2,560)	(0)	(0)	(0)	(0)	(0)
TRANSMISSION	(1,160,174)		(501,395)	(58,694)	(951)	(335,763)	(251,287)	(1,290)	(143)	(0)	(0)	(0)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
DIST_SUBS	(118,340)		(58,695)	(7,225)	(59)	(33,349)	(18,918)	(84)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(296)	(94)	(42)	(42)	(42)	(42)	(42)
DIST_PRIMARY	(70,616)		(45,197)	(4,227)	(17)	(13,555)	(6,752)	(434)	(697)	(4)	(474)	(151)	(21)	(65)	(121)	(4)	(474)	(151)	(67)	(67)	(67)	(67)	(67)
DIST_L_XFMR	(108,863)		(72,522)	(6,823)	(27)	(21,920)	(6,178)	(95)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(5,184)	(26,792)	(0)	(0)	(0)	(0)	(0)
DIST_SEC_SERV	(14,787)		(9,998)	(938)	(4)	(3,000)	(665)	(76)	(354)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
CUSTOMER	(61,993)		(22,669)	(2,118)	(8)	(5,144)	(0)	(522)	(622)	(14,076)	(30,327)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)
Total	(687,511)		(580,041)	(77,305)	(2,903)	(24,701)	(931)	(4,248)	(622)	(14,076)	(30,327)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)	(189)
ADJOM MERGER RELATED- CUST RELATED																							
PROD_DEMAND	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	(334,834)		(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)
Total	(334,834)		(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)	(19)
ADJOM SEVERANCE EXP																							
PROD_DEMAND	(9,346,902)		(4,635,971)	(570,669)	(4,697)	(2,634,022)	(1,494,237)	(6,626)	(681)	(0)	(0)	(0)	(0)	(0)	(0)	(902)	(50,825)	(16,153)	(213)	(213)	(213)	(213)	(213)
PROD_ENERGY	(7,319,028)		(3,163,081)	(370,277)	(6,000)	(2,118,179)	(1,585,260)	(8,137)	(902)	(0)	(0)	(0)	(0)	(0)	(0)	(54)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
TRANSMISSION	(746,555)		(370,284)	(45,580)	(375)	(210,384)	(119,348)	(529)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
DIST_SUBS	(445,487)		(285,130)	(26,666)	(105)	(85,511)	(42,596)	(2,740)	(15)	(1,865)	(593)	(265)	(265)	(265)	(265)	(15)	(2,993)	(951)	(425)	(425)	(425)	(425)	(425)
DIST_PRIMARY	(686,768)		(457,512)	(43,041)	(169)	(138,281)	(38,973)	(4,397)	(25)	(2,993)	(951)	(425)	(425)	(425)	(425)	(25)	(413)	(131)	(0)	(0)	(0)	(0)	(0)
DIST_L_XFMR	(93,283)		(63,072)	(5,917)	(23)	(18,928)	(4,195)	(600)	(3)	(413)	(131)	(0)	(0)	(0)	(0)	(3)	(32,701)	(169,022)	(0)	(0)	(0)	(0)	(0)
DIST_SEC_SERV	(391,084)		(143,007)	(13,359)	(53)	(32,454)	(0)	(481)	(8)	(32,701)	(169,022)	(0)	(0)	(0)	(0)	(8)	(0)	(4,472)	(288)	(288)	(288)	(288)	(288)
CUSTOMER	(4,337,204)		(3,659,225)	(487,680)	(18,315)	(155,825)	(5,876)	(3,291)	(2,232)	(0)	(4,472)	(288)	(288)	(288)	(288)	(2,232)	(88,798)	(191,322)	(1,191)	(1,191)	(1,191)	(1,191)	(1,191)
Total	(23,366,311)		(12,777,281)	(1,563,190)	(29,736)	(5,393,585)	(3,290,485)	(26,801)	(3,922)	(88,798)	(191,322)	(1,191)	(1,191)	(1,191)	(1,191)	(3,922)	(88,798)	(191,322)	(1,191)	(1,191)	(1,191)	(1,191)	(1,191)
ADJOM CREDIT CARD FEES																							
PROD_DEMAND	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	5,197,359		4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288	288	288	288	2,878	0	5,823	288	288	288	288	288
Total	5,197,359		4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288	288	288	288	2,878	0	5,823	288	288	288	288	288

**DUKE ENERGY PROGRESS, LLC**  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJOM VEG MANAGEMENT DISTRIBUTION	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	1,119,831	743,647	70,050	274	225,265	66,305	7,147	40	4,865	1,546	691	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	276,442	207,420	19,377	76	47,072	0	697	11	1,357	431	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	3,529,518	3,009,569	401,411	15,076	95,022	473	1,898	1,956	0	3,958	156	0	0	0	0	0	0	0	0	0	0	0	0
	Total	4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847	0	0	0	0	0	0	0	0	0	0	0	0
ADJOM VEG MANAGEMENT TRANSMISSION	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	831,707	412,518	50,779	418	234,381	132,960	590	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	831,707	412,518	50,779	418	234,381	132,960	590	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJOM NCUC FEE - MISC REVENUE PLANT REL	PROD_DEMAND	(737)	(366)	(45)	(0)	(208)	(118)	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	PROD_ENERGY	(4)	(2)	(0)	(0)	(1)	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	TRANSMISSION	(139)	(68)	(8)	(0)	(39)	(24)	(0)	(0)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	(54)	(34)	(3)	(0)	(10)	(5)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	DIST_PRIMARY	(53)	(36)	(3)	(0)	(11)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	DIST_L_XFMR	(48)	(33)	(3)	(0)	(10)	(2)	(0)	(0)	(0)	(0)	0	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0
	DIST_SEC_SERV	(63)	(13)	(1)	(0)	(3)	0	(0)	(0)	(24)	(21)	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	(211)	(177)	(24)	(1)	(8)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	Total	(1,309)	(729)	(88)	(1)	(290)	(153)	(2)	(0)	(24)	(22)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ADJOM NCUC FEE - MISC REVENUE CUST REL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	Total	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

### Summer 1 CP Demand Allocation with Minimum System

Op. Exp. NC - 2a

**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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### Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE													
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
ADJDIOM ASHEVILLE CC DEFERRAL	PROD_DEMAND	6,109,335	3,030,170	373,002	3,070	1,721,653	976,665	4,331	445	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
	Total	6,109,335	3,030,170	373,002	3,070	1,721,653	976,665	4,331	445	0	0	0	0
	ADJDIOM UNCOLLECTIBLES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100	100
Total		2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100	100
TOTAL O&M ADJUSTMENTS		PROD_DEMAND	(122,585,578)	(65,438,543)	(7,917,436)	(86,465)	(34,527,145)	(14,409,223)	(115,981)	(12,740)	(58,200)	(19,606)	(240)
	PROD_ENERGY	(98,981,700)	(47,251,250)	(11,283,063)	(384,595)	7,101,239	(45,969,382)	70,316	(42,219)	(1,044,987)	(174,216)	(3,542)	(3,542)
	TRANSMISSION	(712,284)	(354,824)	(44,568)	(362)	(197,724)	(114,278)	(478)	(50)	0	0	0	0
	DIST_SUBS	(962,155)	(616,139)	(58,143)	(228)	(183,285)	(92,803)	(5,771)	(33)	(3,943)	(1,254)	(556)	(556)
	DIST_PRIMARY	(397,297)	(267,673)	(25,942)	(100)	(78,031)	(20,861)	(2,331)	(13)	(1,610)	(513)	(223)	(223)
	DIST_L_XFMR	(158,808)	(107,510)	(10,202)	(40)	(31,932)	(7,228)	(989)	(6)	(684)	(218)	0	0
	DIST_SEC_SERV	(541,328)	(106,123)	(10,175)	(40)	(23,533)	0	(330)	(5)	(45,237)	(355,885)	0	0
	CUSTOMER	812,989	194,474	510	(2,782)	331,005	238,844	(133)	10	12,982	38,184	(106)	(106)
	Total	(223,526,162)	(113,947,588)	(19,349,019)	(474,612)	(27,609,406)	(60,374,930)	(55,698)	(55,056)	(1,141,679)	(513,508)	(4,666)	(4,666)
	ADJ O&M EXPENSE	PROD_DEMAND	276,375,799	137,074,103	16,862,115	138,838	77,929,993	44,154,314	196,278	20,159	0	0	0
PROD_ENERGY		1,265,639,194	548,010,918	66,122,133	1,077,130	399,078,733	237,853,148	1,608,266	158,981	8,882,007	2,809,929	37,929	37,929
TRANSMISSION		29,578,962	14,667,407	1,804,608	14,857	8,337,464	4,731,478	20,993	2,156	0	0	0	0
DIST_SUBS		14,155,022	9,059,488	846,730	3,339	2,718,453	1,352,640	87,221	492	59,360	18,864	8,434	8,434
DIST_PRIMARY		39,270,700	26,154,536	2,459,906	9,640	7,908,808	2,234,766	251,612	1,421	171,258	54,426	24,327	24,327
DIST_L_XFMR		4,278,877	2,892,990	271,292	1,066	868,521	192,347	27,535	157	18,947	6,021	0	0
DIST_SEC_SERV		26,782,280	8,111,780	757,525	2,990	1,841,458	0	27,289	441	6,221,585	9,819,213	0	0
CUSTOMER		211,617,117	178,406,099	23,754,980	889,313	7,550,765	477,494	150,963	107,788	12,982	253,769	12,961	12,961
Total		1,867,697,951	924,377,321	112,879,290	2,137,172	506,234,195	290,996,188	2,370,177	291,555	15,366,140	12,962,223	83,651	83,651



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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:

PRODUCTION FUNCTION:

DPE PRODUCTION RELATED  
DPE EXT. DECOM. TRUST-PROD  
DPE CONTRA AFUDC NC RET-PROD  
DPE CONTRA AFUDC SC RET-PROD  
DPE CONTRA AFUDC WHSL - PROD  
DPE HARRIS PLANT DISALLOW-NCR  
DPE HARRIS PLANT DISALLOW-SCR  
DPE HARRIS PLT. DISALLOW-NCENPA  
DPE OTHER NC RETAIL SPECIFIC EXPENSE  
DPE OTHER SC RETAIL SPECIFIC EXPENSE  
DPE RATE DIFF. -PROD - SC  
DPE RATE DIFF. -PROD - WHSLE  
DPE RATE DIFF. -PROD - NCENPA

TOTAL PRODUCTION PLT DEPR.

PROD_DEMAND	304,317,039	150,938,236	18,579,882	152,920	85,758,653	48,649,453	215,729	22,166	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	304,317,039	150,938,236	18,579,882	152,920	85,758,653	48,649,453	215,729	22,166	0	0	0	0	0

DPE TRANS RELATED - P-PROD

PROD_DEMAND	2,135,318	1,059,097	130,370	1,073	601,747	341,361	1,514	156	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,135,318	1,059,097	130,370	1,073	601,747	341,361	1,514	156	0	0	0	0	0

DPE TRANS RELATED - TRANS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	26,640,447	13,213,398	1,626,515	13,387	7,507,463	4,258,858	18,885	1,940	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	26,640,447	13,213,398	1,626,515	13,387	7,507,463	4,258,858	18,885	1,940	0	0	0	0	0

DPE TRANS RELATED - SC RETAIL

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
DPE TRANS RELATED - OATT CONTRA														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - NC RETAIL														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	425	211	26	120	68	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	425	211	26	120	68	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	19,220,182	12,301,722	1,150,468	4,535	3,689,308	1,837,756	118,232	668	80,485	25,579	11,430	11,430	11,430	11,430
DIST_PRIMARY	18,678,305	12,652,208	1,187,382	4,664	3,808,040	982,883	121,600	687	82,778	26,307	11,756	11,756	11,756	11,756
DIST_L_XFMR	17,326,741	11,715,318	1,099,078	4,318	3,515,779	779,231	111,372	636	76,648	24,359	0	0	0	0
DIST_SEC_SERV	22,408,159	4,757,789	444,463	1,754	1,079,744	0	15,990	258	8,449,933	7,658,228	0	0	0	0
CUSTOMER	73,904,824	62,229,889	8,290,962	311,383	2,800,985	122,558	54,473	30,944	8,449,933	59,691	3,939	3,939	3,939	3,939
Total	151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124	27,124	27,124	27,124
DPE DISTRIBUTION DEPRN - SCR														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - NC STORM														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0										

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																	
DPE DISTRIBUTION DEPRN - SC STORM		NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL					
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE GENERAL PLANT																	
PROD_DEMAND		4,021,711	1,994,729	245,543	2,021	1,133,346	642,928	2,851	293	0	0	0	0	0	0	0	0
PROD_ENERGY		2,343,443	1,012,771	118,557	1,921	678,209	507,576	2,605	289	16,274	5,172	68	0	0	0	0	0
TRANSMISSION		2,819,699	1,387,546	170,801	1,406	788,363	469,396	1,983	204	0	0	0	0	0	0	0	0
DIST_SUBS		1,438,907	920,964	86,129	339	276,198	137,582	8,851	50	6,025	1,915	856	0	0	0	0	0
DIST_PRIMARY		1,493,105	999,793	93,862	369	301,102	78,767	9,609	54	6,541	2,079	929	0	0	0	0	0
DIST_L_XFMR		1,198,437	810,313	76,020	299	243,176	53,897	7,703	44	5,302	1,685	0	0	0	0	0	0
DIST_SEC_SERV		1,636,496	366,669	34,253	135	83,213	0	1,232	20	580,360	570,613	0	0	0	0	0	0
CUSTOMER		7,393,119	6,237,731	831,246	31,218	266,850	10,349	5,344	3,367	0	6,601	414	0	0	0	0	0
Total		22,344,918	13,730,513	1,656,411	37,708	3,770,456	1,900,497	40,179	4,320	614,502	588,064	2,267	0	0	0	0	0
DPE GENERAL PLANT - SCR																	
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE AMORT LTD TERM PLT																	
PROD_DEMAND		16,165,951	8,018,152	987,002	8,123	4,555,677	2,584,360	11,460	1,177	0	0	0	0	0	0	0	0
PROD_ENERGY		76,167	32,917	3,853	62	22,043	16,497	85	9	529	168	2	0	0	0	0	0
TRANSMISSION		2,473,126	1,216,141	149,702	1,232	690,975	413,159	1,738	179	0	0	0	0	0	0	0	0
DIST_SUBS		1,242,986	795,563	74,402	293	238,591	118,849	7,646	43	5,205	1,654	739	0	0	0	0	0
DIST_PRIMARY		1,223,470	819,939	76,951	302	246,190	63,732	7,880	45	5,364	1,705	762	0	0	0	0	0
DIST_L_XFMR		1,117,327	755,471	70,875	278	226,718	50,249	7,182	41	4,943	1,571	0	0	0	0	0	0
DIST_SEC_SERV		1,447,821	308,031	28,776	114	69,905	0	1,035	17	544,767	495,176	0	0	0	0	0	0
CUSTOMER		4,839,954	4,075,781	543,027	20,394	183,000	7,964	3,564	2,035	0	3,930	259	0	0	0	0	0
Total		28,586,802	16,021,995	1,934,587	30,800	6,233,699	3,254,811	40,591	3,546	560,808	504,204	1,762	0	0	0	0	0
BOOK DEPRECIATION EXPENSE																	
PROD_DEMAND		326,640,019	162,010,213	19,942,797	164,137	92,049,423	52,218,102	231,554	23,792	0	0	0	0	0	0	0	0
PROD_ENERGY		2,419,609	1,045,688	122,410	1,984	700,252	524,074	2,690	298	16,802	5,340	71	0	0	0	0	0
TRANSMISSION		31,933,696	15,817,295	1,947,045	16,025	8,986,920	5,141,481	22,607	2,323	0	0	0	0	0	0	0	0
DIST_SUBS		21,902,076	14,018,247	1,310,999	5,167	4,204,097	2,094,188	134,729	761	91,715	29,148	13,025	0	0	0	0	0
DIST_PRIMARY		21,831,999	14,629,404	1,373,027	5,393	4,403,630	1,139,423	140,603	794	95,713	30,419	13,593	0	0	0	0	0
DIST_L_XFMR		19,642,505	13,281,101	1,245,973	4,896	3,985,672	883,378	126,257	721	86,892	27,615	0	0	0	0	0	0
DIST_SEC_SERV		25,551,011	5,476,409	511,595	2,019	1,242,829	0	18,406	297	9,575,347	8,724,109	0	0	0	0	0	0
CUSTOMER		86,885,258	73,180,665	9,750,231	366,188	3,270,955	140,971	63,783	36,761	0	71,059	4,645	0	0	0	0	0
Total		536,806,174	299,459,022	36,204,079	565,808	118,843,780	62,141,617	740,629	65,747	9,866,470	8,887,690	31,333	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
DEPRECIATION EXPENSE ADJUSTMENTS:														
ADIDPE FUEL - CATALYST REL		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
PROD_DEMAND		(1,684,077)	(835,286)	(102,820)	(846)	(474,585)	(269,224)	(1,194)	(123)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0
Total		(1,684,077)	(835,286)	(102,820)	(846)	(474,585)	(269,224)	(1,194)	(123)	(0)	(0)	(0)	(0)	(0)
ADIDPE REMOVE DSDR-TRANS														
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		(6,967)	(3,456)	(425)	(4)	(1,963)	(1,114)	(5)	(1)	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0
Total		(6,967)	(3,456)	(425)	(4)	(1,963)	(1,114)	(5)	(1)	0	0	0	0	0
ADIDPE REMOVE DSDR-DIST														
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		(475,351)	(304,245)	(28,453)	(112)	(91,244)	(45,451)	(2,924)	(17)	(1,991)	(633)	(283)	(283)	(283)
DIST_PRIMARY		(466,896)	(312,913)	(29,366)	(115)	(94,180)	(24,309)	(3,007)	(17)	(2,047)	(651)	(291)	(291)	(291)
DIST_L_XFMR		(428,523)	(289,742)	(27,182)	(107)	(86,952)	(19,272)	(2,754)	(16)	(1,896)	(602)	0	0	0
DIST_SEC_SERV		(554,196)	(117,669)	(10,992)	(43)	(26,704)	0	(395)	(6)	(208,983)	(189,402)	(97)	(97)	(97)
CUSTOMER		(1,827,806)	(1,539,063)	(205,051)	(7,701)	(69,274)	(3,031)	(1,347)	(765)	0	(1,476)	(671)	(671)	(671)
Total		(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)	(671)	(671)
ADIDPE REMOVE DSDR-GEN														
PROD_DEMAND		(113,901)	(56,494)	(6,954)	(57)	(32,098)	(18,209)	(81)	(8)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY		(66,370)	(28,683)	(3,358)	(54)	(19,208)	(14,375)	(74)	(8)	(461)	(146)	(2)	(2)	(2)
TRANSMISSION		(79,858)	(39,297)	(4,837)	(40)	(22,328)	(13,294)	(56)	(6)	0	0	0	0	0
DIST_SUBS		(40,752)	(26,083)	(2,439)	(10)	(7,822)	(3,897)	(251)	(1)	(171)	(54)	(24)	(24)	(24)
DIST_PRIMARY		(42,287)	(28,316)	(2,658)	(10)	(8,528)	(2,231)	(272)	(2)	(185)	(59)	(26)	(26)	(26)
DIST_L_XFMR		(33,942)	(22,949)	(2,153)	(8)	(6,887)	(1,526)	(218)	(1)	(150)	(48)	0	0	0
DIST_SEC_SERV		(46,348)	(10,385)	(970)	(4)	(2,357)	0	(35)	(1)	(16,437)	(16,161)	0	0	0
CUSTOMER		(209,384)	(176,662)	(23,542)	(884)	(7,558)	(293)	(151)	(95)	(0)	(187)	(12)	(12)	(12)
Total		(632,841)	(388,868)	(46,912)	(1,068)	(106,785)	(53,825)	(1,138)	(122)	(17,404)	(16,655)	(64)	(64)	(64)
ADIDPE REMOVE DSDR-INT														
PROD_DEMAND		(444,730)	(220,582)	(27,153)	(223)	(125,328)	(71,097)	(315)	(32)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY		(2,095)	(906)	(106)	(2)	(606)	(454)	(2)	(0)	(15)	(5)	(0)	(0)	(0)
TRANSMISSION		(68,036)	(33,456)	(4,118)	(34)	(19,009)	(11,366)	(48)	(5)	0	0	0	0	0
DIST_SUBS		(34,195)	(21,886)	(2,047)	(8)	(6,564)	(3,270)	(210)	(1)	(143)	(46)	(20)	(20)	(20)
DIST_PRIMARY		(33,658)	(22,557)	(2,117)	(8)	(6,789)	(1,753)	(217)	(1)	(148)	(47)	(21)	(21)	(21)
DIST_L_XFMR		(30,738)	(20,783)	(1,950)	(8)	(6,237)	(1,382)	(198)	(1)	(136)	(43)	0	0	0
DIST_SEC_SERV		(39,830)	(8,474)	(792)	(3)	(1,923)	0	(28)	(0)	(14,987)	(13,622)	0	0	0
CUSTOMER		(133,149)	(112,126)	(14,939)	(561)	(5,034)	(219)	(98)	(56)	(0)	(108)	(7)	(7)	(7)
Total		(786,432)	(440,770)	(53,221)	(847)	(171,491)	(89,541)	(1,117)	(98)	(15,428)	(13,871)	(48)	(48)	(48)

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE														
ADIDPE YE DEPR EXP-PROD														
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
PROD_DEMAND	40,075,973	19,877,286	2,446,813	20,138	11,293,687	6,406,720	28,410	2,919	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	40,075,973	19,877,286	2,446,813	20,138	11,293,687	6,406,720	28,410	2,919	0	0	0	0	0	0
ADIDPE YE DEPR EXP-TRANS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,559,562	773,527	95,218	784	439,495	249,318	1,106	114	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,559,562	773,527	95,218	784	439,495	249,318	1,106	114	0	0	0	0	0	0
ADIDPE YE DEPR EXP-DIST														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(435,901)	(278,995)	(26,092)	(103)	(83,671)	(41,679)	(2,681)	(15)	(1,825)	(580)	(259)			
DIST_PRIMARY	(428,147)	(286,944)	(26,929)	(106)	(86,364)	(22,291)	(2,758)	(16)	(1,877)	(597)	(267)			
DIST_L_XFMR	(392,959)	(265,695)	(24,926)	(98)	(79,735)	(17,672)	(2,526)	(14)	(1,738)	(552)	0			
DIST_SEC_SERV	(508,202)	(107,903)	(10,080)	(40)	(24,488)	0	(363)	(6)	(191,639)	(173,683)	0			
CUSTOMER	(1,676,112)	(1,411,332)	(188,033)	(7,062)	(63,524)	(2,780)	(1,235)	(702)	0	(1,354)	(89)			
Total	(3,441,320)	(2,350,869)	(276,061)	(7,408)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)			
ADIDPE YE DEPR EXP-GEN														
PROD_DEMAND	697,269	345,839	42,571	350	196,495	111,469	494	51	0	0	0	0	0	0
PROD_ENERGY	406,297	175,590	20,555	333	117,585	88,002	452	50	2,821	897	12			
TRANSMISSION	488,869	240,568	29,613	244	136,683	81,382	344	35	0	0	0			
DIST_SUBS	249,472	159,673	14,933	59	47,886	23,854	1,535	9	1,045	332	148			
DIST_PRIMARY	258,869	173,340	16,273	64	52,204	13,656	1,666	9	1,134	360	161			
DIST_L_XFMR	207,781	140,489	13,180	52	42,161	9,344	1,336	8	919	292	0			
DIST_SEC_SERV	283,729	63,572	5,939	23	14,427	0	214	3	100,621	98,931	0			
CUSTOMER	1,281,791	1,081,474	144,118	5,413	46,265	1,794	926	584	0	1,144	72			
Total	3,874,078	2,380,545	287,182	6,538	653,707	329,501	6,966	749	106,540	101,956	393			
ADIDPE ADDITIONS TO EPIS - PROD														
PROD_DEMAND	40,353,588	20,014,980	2,463,763	20,278	11,371,921	6,451,101	28,607	2,939	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	40,353,588	20,014,980	2,463,763	20,278	11,371,921	6,451,101	28,607	2,939	0	0	0	0	0	0



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																	
ADIDPE ADDITIONS TO EPIS - TRANS		NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL					
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		3,764,410	1,867,110	229,834	1,892	1,060,837	601,795	2,669	274	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		3,764,410	1,867,110	229,834	1,892	1,060,837	601,795	2,669	274	0	0	0	0	0	0	0	0
ADIDPE ADDITIONS TO EPIS - DIST																	
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		2,264,796	1,449,565	135,565	534	434,727	216,551	13,932	79	9,484	3,014	1,347	0	0	0	0	0
DIST_PRIMARY		2,224,512	1,490,864	139,914	550	448,718	115,817	14,329	81	9,754	3,100	1,385	0	0	0	0	0
DIST_L_XFMR		2,041,684	1,380,466	129,509	509	414,279	91,820	13,123	75	9,032	2,870	0	0	0	0	0	0
DIST_SEC_SERV		2,640,450	560,631	52,373	207	127,231	0	1,884	30	995,692	902,402	0	0	0	0	0	0
CUSTOMER		8,708,522	7,332,815	976,960	36,692	330,052	14,441	6,419	3,646	0	7,034	464	0	0	0	0	0
Total		17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196	0	0	0	0	0
ADIDPE ADDITIONS TO EPIS - GEN																	
PROD_DEMAND		610,107	302,607	37,250	307	171,933	97,534	433	44	0	0	0	0	0	0	0	0
PROD_ENERGY		355,508	153,641	17,986	291	102,887	77,001	395	44	2,469	785	10	0	0	0	0	0
TRANSMISSION		427,758	210,496	25,911	213	119,597	71,209	301	31	0	0	0	0	0	0	0	0
DIST_SUBS		218,287	139,713	13,066	52	41,900	20,872	1,343	8	914	291	130	0	0	0	0	0
DIST_PRIMARY		226,509	151,672	14,239	56	45,678	11,949	1,458	8	992	315	141	0	0	0	0	0
DIST_L_XFMR		181,807	122,927	11,532	45	36,891	8,176	1,169	7	804	256	0	0	0	0	0	0
DIST_SEC_SERV		248,262	55,625	5,196	21	12,624	0	187	3	88,043	86,564	0	0	0	0	0	0
CUSTOMER		1,121,562	946,285	126,103	4,736	40,482	1,570	811	511	0	1,001	63	0	0	0	0	0
Total		3,389,801	2,082,966	251,283	5,720	571,991	288,312	6,095	655	93,222	89,211	344	0	0	0	0	0
ADIDPE ADDITIONS TO EPIS - INT																	
PROD_DEMAND		2,873,635	1,425,295	175,448	1,444	809,810	459,392	2,037	209	0	0	0	0	0	0	0	0
PROD_ENERGY		13,539	5,851	685	11	3,918	2,933	15	2	94	30	0	0	0	0	0	0
TRANSMISSION		439,619	216,179	26,611	219	122,827	73,443	309	32	0	0	0	0	0	0	0	0
DIST_SUBS		220,951	141,418	13,226	52	42,412	21,126	1,359	8	925	294	131	0	0	0	0	0
DIST_PRIMARY		217,482	145,751	13,679	54	43,869	11,329	1,401	8	954	303	135	0	0	0	0	0
DIST_L_XFMR		198,614	134,291	12,599	50	40,301	8,932	1,277	7	879	279	0	0	0	0	0	0
DIST_SEC_SERV		257,362	54,755	5,115	20	12,426	0	184	3	96,837	88,022	0	0	0	0	0	0
CUSTOMER		860,343	724,505	96,528	3,625	32,530	1,416	634	362	0	699	46	0	0	0	0	0
Total		5,081,547	2,848,046	343,889	5,475	1,108,093	578,570	7,215	630	99,688	89,627	313	0	0	0	0	0
ADIDPE NEW RATES - PROD																	
PROD_DEMAND		78,451,748	38,911,290	4,789,821	39,422	22,108,247	12,541,640	55,614	5,714	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		78,451,748	38,911,290	4,789,821	39,422	22,108,247	12,541,640	55,614	5,714	0	0	0	0	0	0	0	0

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																
	ADIDPE NEW RATES - TRANS		ADIDPE NEW RATES - DIST		ADIDPE NEW RATES - GEN		ADIDPE REMOVE JAAR		ADIDPE REMOVE EXPIRING DEPR AMORT-PROD							
	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL					
ADIDPE NEW RATES - TRANS																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	5,080,519	2,519,887	310,188	2,553	1,431,726	812,194	3,602	370	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,080,519	2,519,887	310,188	2,553	1,431,726	812,194	3,602	370	0	0	0	0	0	0	0	0
ADIDPE NEW RATES - DIST																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(468,194)	(299,664)	(28,025)	(110)	(89,870)	(44,767)	(2,880)	(16)	(1,961)	(623)	(278)					
DIST_PRIMARY	(459,866)	(308,202)	(28,924)	(114)	(92,762)	(23,943)	(2,962)	(17)	(2,016)	(641)	(286)					
DIST_L_XFMR	(422,071)	(285,379)	(26,773)	(105)	(85,643)	(18,982)	(2,713)	(15)	(1,867)	(593)	0					
DIST_SEC_SERV	(545,852)	(115,897)	(10,827)	(43)	(26,302)	0	(390)	(6)	(205,836)	(186,551)	0					
CUSTOMER	(1,800,285)	(1,515,890)	(201,964)	(7,585)	(68,231)	(2,985)	(1,327)	(754)	0	(1,454)	(96)					
Total	(3,696,288)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)					
ADIDPE NEW RATES - GEN																
PROD_DEMAND	1,757,518	871,711	107,304	883	495,281	280,964	1,246	128	0	0	0	0	0	0	0	0
PROD_ENERGY	1,024,102	442,588	51,810	840	296,382	221,815	1,139	126	7,112	2,260	30					
TRANSMISSION	1,232,230	606,368	74,641	614	344,520	205,130	867	89	0	0	0					
DIST_SUBS	628,813	402,467	37,639	148	120,701	60,125	3,868	22	2,633	837	374					
DIST_PRIMARY	652,498	436,917	41,018	161	131,584	34,422	4,199	24	2,859	908	406					
DIST_L_XFMR	523,726	354,113	33,221	131	106,270	23,553	3,366	19	2,317	736	0					
DIST_SEC_SERV	715,161	160,237	14,969	59	36,365	0	539	9	253,622	249,362	0					
CUSTOMER	3,230,849	2,725,935	363,261	13,643	116,615	4,523	2,335	1,471	0	2,884	181					
Total	9,764,896	6,000,337	723,864	16,479	1,647,717	830,331	17,559	1,888	268,542	256,988	991					
ADIDPE REMOVE JAAR																
PROD_DEMAND	(31,059,293)	(15,405,102)	(1,896,305)	(15,607)	(8,752,724)	(4,965,274)	(22,018)	(2,262)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(31,059,293)	(15,405,102)	(1,896,305)	(15,607)	(8,752,724)	(4,965,274)	(22,018)	(2,262)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ADIDPE REMOVE EXPIRING DEPR AMORT-PROD																
PROD_DEMAND	(186,678)	(92,590)	(11,398)	(94)	(52,607)	(29,843)	(132)	(14)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(186,678)	(92,590)	(11,398)	(94)	(52,607)	(29,843)	(132)	(14)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE																
ADIDPE ANNUALIZE DEPR AMORT-GEN																
ADIDPE MERGER IMPACTS - TRANS	PROD_DEMAND	476,767	236,472	29,109	240	134,356	76,218	338	35	0	0	0	0	0	0	
	PROD_ENERGY	277,811	120,062	14,055	228	80,401	60,172	309	34	1,929	613	8	8	8	8	
	TRANSMISSION	334,271	164,491	20,248	167	93,459	55,646	235	24	0	0	0	0	0	0	
	DIST_SUBS	170,580	109,178	10,210	40	32,743	16,310	1,049	6	714	227	101	101	101	101	
	DIST_PRIMARY	177,005	118,524	11,127	44	35,695	9,338	1,139	6	775	246	110	110	110	110	
	DIST_L_XFMR	142,073	96,061	9,012	35	28,828	6,389	913	5	628	200	0	0	0	0	
	DIST_SEC_SERV	194,004	43,468	4,061	16	9,865	0	146	2	68,801	67,645	0	0	0	0	
	CUSTOMER	876,442	739,472	98,543	3,701	31,635	1,227	634	399	0	782	49	49	49	49	49
	Total	2,648,952	1,627,729	196,365	4,470	446,981	225,301	4,763	512	72,848	69,714	269	269	269	269	269
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(171,994)	(85,307)	(10,501)	(86)	(48,469)	(27,496)	(122)	(13)	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	(171,994)	(85,307)	(10,501)	(86)	(48,469)	(27,496)	(122)	(13)	264	0	0	0	0	0	0	
PROD_DEMAND	3,626,511	1,798,713	221,414	1,822	1,021,976	579,750	2,571	264	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	3,626,511	1,798,713	221,414	1,822	1,021,976	579,750	2,571	264	0	0	0	0	0	0	0	
PROD_DEMAND	(180,604)	(89,578)	(11,027)	(91)	(50,895)	(28,872)	(128)	(13)	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	(180,604)	(89,578)	(11,027)	(91)	(50,895)	(28,872)	(128)	(13)	0	0	0	0	0	0	0	
PROD_DEMAND	135,253,833	67,084,561	8,257,836	67,965	38,115,469	21,622,269	95,881	9,852	0	0	0	0	0	0	0	
PROD_ENERGY	2,008,793	868,144	101,627	1,647	581,359	435,093	2,233	248	13,950	4,433	59	59	59	59	59	
TRANSMISSION	13,000,381	6,437,109	792,382	6,522	3,657,376	2,096,847	9,200	945	0	0	0	0	0	0	0	
DIST_SUBS	2,298,507	1,471,141	137,582	542	441,198	219,774	14,139	80	9,625	3,059	1,367	1,367	1,367	1,367	1,367	
DIST_PRIMARY	2,326,020	1,558,138	146,257	574	469,125	121,985	14,975	85	10,194	3,240	1,448	1,448	1,448	1,448	1,448	
DIST_L_XFMR	1,987,453	1,343,798	126,069	495	403,275	89,381	12,775	73	8,792	2,794	0	0	0	0	0	
DIST_SEC_SERV	2,644,540	577,959	53,992	213	131,163	0	1,942	31	965,733	913,506	573	573	573	573	573	
CUSTOMER	10,432,773	8,795,415	1,171,982	44,015	383,959	15,663	7,599	4,601	0	8,966	3,447	3,447	3,447	3,447	3,447	
Total	169,952,301	88,136,266	10,787,727	121,974	44,182,923	24,601,013	158,746	15,914	1,008,294	935,998	3,447	3,447	3,447	3,447	3,447	
PROD_DEMAND	461,893,852	229,094,774	28,200,634	232,102	130,164,892	73,840,372	327,435	33,643	0	0	0	0	0	0	0	
PROD_ENERGY	4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	9,773	129	129	129	129	129	
TRANSMISSION	44,934,078	22,254,405	2,739,427	22,547	12,644,296	7,238,329	31,807	3,268	0	0	0	0	0	0	0	
DIST_SUBS	24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	14,392	14,392	14,392	14,392	14,392	
DIST_PRIMARY	24,158,019	16,187,542	1,519,284	5,967	4,872,755	1,261,408	155,578	879	105,908	33,658	15,040	15,040	15,040	15,040	15,040	
DIST_L_XFMR	21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	139,032	794	95,684	30,409	0	0	0	0	0	
DIST_SEC_SERV	28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	5,218	5,218	5,218	5,218	5,218	
CUSTOMER	97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	80,025	5,218	5,218	5,218	5,218	5,218	
Total	706,758,476	387,595,288	46,991,806	687,782	163,026,703	86,742,630	899,375	81,661	10,874,764	9,823,688	34,779	34,779	34,779	34,779	34,779	

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE									
OTHER AMORTIZATION EXPENSE:									
PROD_DEMA AMORT WHS SPEC - MAVO, RECS									
PROD_DEMA AMORT WHS SPEC - MAVO, RECS	NC	NC	NC	NC	NC	NC	NC	NC	NC
PROD_ENERGY	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0
PROD_DEMA AMORT NUCLEAR DESIGN BASIS									
PROD_DEMA AMORT NUCLEAR DESIGN BASIS	443,799	220,120	27,096	223	125,066	70,948	315	32	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	443,799	220,120	27,096	223	125,066	70,948	315	32	0
PROD_DEMA AMORT NCEMPA ACQ ADJ									
PROD_DEMA AMORT NCEMPA ACQ ADJ	7,850,168	3,893,605	479,287	3,945	2,212,232	1,254,962	5,565	572	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	7,850,168	3,893,605	479,287	3,945	2,212,232	1,254,962	5,565	572	0
PROD_DEMA AMORT DSM/EE DEBIT									
PROD_DEMA AMORT DSM/EE DEBIT	61,483,671	38,391,685	4,471,958	73,217	17,372,647	936,315	93,769	11,023	409
PROD_ENERGY	61,483,671	38,391,685	4,471,958	73,217	17,372,647	936,315	93,769	11,023	409
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	122,967,341	76,783,370	8,943,915	146,434	34,745,294	1,872,630	187,539	22,046	819
PROD_DEMA AMORT DSM/EE CREDIT									
PROD_DEMA AMORT DSM/EE CREDIT	(10,645,274)	(6,647,131)	(774,274)	(12,677)	(3,007,898)	(162,113)	(16,235)	(1,909)	(71)
PROD_ENERGY	(10,645,274)	(6,647,131)	(774,274)	(12,677)	(3,007,898)	(162,113)	(16,235)	(1,909)	(71)
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	(21,290,549)	(13,294,262)	(1,548,548)	(25,353)	(6,015,796)	(324,227)	(32,470)	(3,817)	(142)

DUKE ENERGY PROGRESS, LLC  
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COS DETAIL - OPER. EXPENSE													
PROD_DEMA AMORT DSM/EE O&M DEFERRAL	PROD_ENERGY	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	TRANSMISSION	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
		(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)	
	PROD_ENERGY	(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total		(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,684)	(39,645)	(486)	
PROD_DEMA AMORT DSM/EE CAPITAL DEFERRAL	PROD_DEMAND	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)	
	PROD_ENERGY	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)	
PROD_DEMA AMORT NC REPS DEBIT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)	
PROD_DEMA AMORT NC REPS DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,696	90,183	3,870	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,696	90,183	3,870	
PROD_DEMA AMORT SC DERP AMORTIZATION	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	0	0	0	0	0	0	0	0	0	0	0	



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE											
PROD_DEMA AMORT SC POLLUTION CNTL DPE DEF											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMA AMORT RETIRED PLANT											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMA AMORT OTHER NC RETAIL PROD REL											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMA AMORT SC DEFERRED ASH AMORTIZATION											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMA AMORT WHL DEFERRED ASH AMORTIZATION											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMAND											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMAND											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMAND											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMAND											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMAND											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMAND											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											
PROD_DEMAND											
PROD_ENERGY											
TRANSMISSION											
DIST_SUBS											
DIST_PRIMARY											
DIST_L_XPMR											
DIST_SEC_SERV											
CUSTOMER											
Total											

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE												
PROD_DEMA AMORT NC STORM DEFERRAL												
PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY
TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION
DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS
DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY
DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR
DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV
CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER
Total	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	
PROD_DEMA AMORT NC EDIT												
PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND
PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY
TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION
DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS
DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY
DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR
DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV
CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER
Total	(3,272,588)	(1,822,515)	(220,279)	(3,433)	(723,826)	(382,124)	(4,521)	(398)	(60,691)	(54,610)	(191)	
PROD_DEMA AMORT RETIRED METERS												
PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND
PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY
TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION
DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS
DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY
DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR
DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV
CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER
Total	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	
PROD_DEMA AMORT COR												
PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND
PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY
TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION
DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS
DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY
DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR
DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV
CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER
Total	575,758	285,570	35,153	289	162,253	92,043	408	42	0	0	0	
PROD_DEMA AMORT NC RETAIL CONTINUING												
PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND	PROD_DEMAND
PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY	PROD_ENERGY
TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION	TRANSMISSION
DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS	DIST_SUBS
DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY	DIST_PRIMARY
DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR	DIST_L_XFMR
DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV	DIST_SEC_SERV
CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER	CUSTOMER
Total	1,994,356	1,110,663	134,241	2,092	441,109	232,871	2,755	243	36,986	33,280	116	

COS DETAIL - OPER. EXPENSE																	
PROD. DEMA AMORT OTHER NC RETAIL SPECIFIC																	
PROD. DEMA AMORT OTHER NC RETAIL SPECIFIC	PROD. ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	PROD. DEMA AMORT OTHER SC RETAIL SPECIFIC	PROD. ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total
	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
PROD_DEMAND	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312						
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0						
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0						
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0						
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0						
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0						
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0						
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0						
Total	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312						
PROD. DEMA AMORT OTHER SC RETAIL SPECIFIC																	
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0						
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0						
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0						
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0						
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0						
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0						
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0						
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0						
Total	0	0	0	0	0	0	0	0	0	0	0						
PROD. DEMA AMORT DISP. OF ALLOWANCES																	
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0						
PROD_ENERGY	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)						
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0						
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0						
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0						
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0						
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0						
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0						
Total	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)						
PROD. DEMA BOOK OTHER AMORTIZATIONS																	
PROD_DEMAND	49,337,474	25,688,821	3,123,028	31,320	13,910,756	6,515,709	42,715	4,603	15,304	5,155	63						
PROD_ENERGY	60,856,205	27,489,989	5,935,254	169,085	16,552,051	9,889,414	73,794	18,873	596,025	129,272	2,449						
TRANSMISSION	(135,728)	(66,512)	(8,187)	(67)	(37,790)	(23,067)	(95)	(10)	0	0	0						
DIST_SUBS	(52,579)	(33,653)	(3,147)	(12)	(10,092)	(5,027)	(323)	(2)	(220)	(70)	(31)						
DIST_PRIMARY	5,168,937	3,432,226	323,318	1,265	1,039,753	306,420	32,987	186	22,455	7,137	3,189						
DIST_L_XFMR	(47,216)	(31,925)	(2,995)	(12)	(9,581)	(2,123)	(303)	(2)	(209)	(66)	0						
DIST_SEC_SERV	1,227,569	953,971	89,118	352	216,496	0	3,206	52	(16,692)	(18,934)	0						
CUSTOMER	16,626,647	14,123,787	1,883,256	70,728	501,071	9,480	10,135	9,056	(16,692)	18,283	850						
Total	132,981,310	71,556,704	11,339,644	272,657	32,162,665	16,690,806	162,116	32,757	616,663	140,777	6,520						
PROD. DEMA ADJAM REMOVE DSM																	
PROD_DEMAND	(9,483,105)	(5,921,449)	(689,745)	(11,293)	(2,679,519)	(144,415)	(14,463)	(1,700)	(15,304)	(5,155)	(63)						
PROD_ENERGY	(9,483,105)	(5,921,449)	(689,745)	(11,293)</													

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE									
PROD_DEMA ADJAM REMOVE REPS									
PROD_DEMA ADJAM REMOVE NC EDIT IMPACT	PROD_ENERGY	NC	NC	NC	NC	NC	NC	NC	NC
	TRANSMISSION	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS
	DIST_SUBS	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0
	Total	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)
	PROD_DEMAND	0	0	0	0	0	0	0	0
	PROD_ENERGY	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)
PROD_DEMA ADJAM REMOVE NC EDIT IMPACT									
PROD_DEMA ADJAM REMOVE NC EDIT IMPACT	PROD_ENERGY	1,842,666	913,944	112,503	926	519,276	294,577	1,306	134
	TRANSMISSION	11,130	4,810	563	9	3,221	2,411	12	1
	DIST_SUBS	347,498	170,287	20,962	173	96,752	59,056	243	25
	DIST_PRIMARY	134,614	86,159	8,058	32	25,839	12,871	828	5
	DIST_L_XFMR	132,599	88,863	8,340	33	26,747	6,909	854	5
	DIST_SEC_SERV	120,884	81,735	7,668	30	24,529	5,436	777	4
	CUSTOMER	156,747	33,372	3,118	12	7,574	0	112	2
	PROD_DEMAND	526,450	443,345	59,068	2,218	19,889	864	388	222
	PROD_ENERGY	3,272,588	1,822,515	220,279	3,433	723,826	382,124	4,521	398
	Total	3,272,588	1,822,515	220,279	3,433	723,826	382,124	4,521	398
PROD_DEMA AMORT NC DEFERRED ASH AMORTIZATION									
PROD_DEMA AMORT NC DEFERRED ASH AMORTIZATION	PROD_ENERGY	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066
	TRANSMISSION	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0
	PROD_DEMAND	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066
	PROD_ENERGY	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066
	Total	105,971,592	45,797,975	5,361,209	86,876	30,668,934	22,952,847	117,821	13,066
PROD_DEMA ADJAM AMORT ANNUALIZATION - PROD									
PROD_DEMA ADJAM AMORT ANNUALIZATION - PROD	PROD_ENERGY	1,292,251	640,944	78,898	649	364,165	206,585	916	94
	TRANSMISSION	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0
	PROD_DEMAND	1,292,251	640,944	78,898	649	364,165	206,585	916	94
	PROD_ENERGY	1,292,251	640,944	78,898	649	364,165	206,585	916	94
	Total	1,292,251	640,944	78,898	649	364,165	206,585	916	94
PROD_DEMA ADJAM AMORT ANNUALIZATION - ENERGY									
PROD_DEMA ADJAM AMORT ANNUALIZATION - ENERGY	PROD_ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480
	TRANSMISSION	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0
	PROD_DEMAND	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480
	PROD_ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480
	Total	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480





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COS DETAIL - OPER. EXPENSE									
PROD_DEMA ADJAM STORM DEFERRAL AMORT - TRANS									
PROD_ENERGY	0	0	0	0	0	0	0	0	0
TRANSMISSION	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0
PROD_DEMA ADJAM STORM DEFERRAL AMORT - PROD									
PROD_ENERGY	228,828	113,496	13,971	115	64,485	36,581	162	17	0
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	228,828	113,496	13,971	115	64,485	36,581	162	17	0
PROD_DEMA ADJAM AMORT ASHEVILLE CC									
PROD_DEMAND	13,593,762	6,742,371	829,958	6,831	3,830,816	2,173,158	9,637	990	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0
Total	13,593,762	6,742,371	829,958	6,831	3,830,816	2,173,158	9,637	990	0
PROD_DEMA TOTAL OTHER AMORT ADJUSTMENTS									
PROD_ENERGY	7,562,315	2,532,911	350,952	(2,727)	2,123,999	2,580,540	(2,379)	(459)	(63)
TRANSMISSION	92,568,865	38,816,060	1,826,674	(43,306)	27,850,258	23,341,588	96,787	44	2,026
DIST_SUBS	3,371,426	1,671,386	205,741	1,693	949,632	540,339	2,389	245	0
DIST_PRIMARY	52,579	33,653	3,147	12	10,092	5,027	323	2	31
DIST_L_XFMR	6,302,505	4,185,627	394,263	1,543	1,267,838	372,803	40,228	227	3,889
DIST_SEC_SERV	47,216	31,925	2,995	12	9,581	2,123	303	2	0
CUSTOMER	1,604,279	1,170,819	109,376	432	265,708	0	3,935	64	0
Total	19,906,819	16,972,088	2,263,680	85,016	538,164	2,978	10,744	11,006	884
PROD_DEMA ADJ OTHER AMORTIZATIONS									
PROD_DEMAND	131,416,004	65,414,469	5,156,828	42,674	33,015,273	26,845,400	152,331	11,131	6,767
PROD_ENERGY	56,899,790	28,221,732	3,473,980	28,592	16,034,755	9,096,249	40,336	4,144	0
TRANSMISSION	153,425,070	66,306,049	7,761,928	125,778	44,402,309	33,231,002	170,581	18,917	4,475
DIST_SUBS	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0
DIST_PRIMARY	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
DIST_L_XFMR	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	7,078
DIST_SEC_SERV	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0
CUSTOMER	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	4,418
Total	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	1,734
PROD_DEMA ADJ OTHER AMORTIZATIONS									
PROD_DEMAND	264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170
PROD_ENERGY	153,425,070	66,306,049	7,761,928	125,778	44,402,309	33,231,002	170,581	18,917	4,475
TRANSMISSION	3,235,698	1,604,874	197,553	1,626	911,842	517,273	2,294	236	0
DIST_SUBS	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
DIST_PRIMARY	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	7,078
DIST_L_XFMR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0
DIST_SEC_SERV	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	4,418
CUSTOMER	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	1,734
Total	264,397,313	136,971,173	16,496,472	315,331	65,177,938	43,536,206	314,447	43,888	1,129,170

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER TAXES:												
OT LABOR RELATED												
PROD_DEMAND	10,426,484	5,171,433	636,582	5,239	2,938,256	1,666,823	7,391	759	0	0	0	0
PROD_ENERGY	8,164,388	3,528,422	413,045	6,693	2,362,832	1,768,360	9,077	1,007	56,696	18,018	0	238
TRANSMISSION	832,783	413,052	50,845	418	234,684	133,132	590	61	0	0	0	0
DIST_SUBS	496,941	318,063	29,746	117	95,388	47,515	3,057	17	2,081	661	296	0
DIST_PRIMARY	766,091	510,356	48,012	188	154,253	43,475	4,905	28	3,339	1,061	474	0
DIST_L_XFMR	104,057	70,357	6,601	26	21,114	4,680	669	4	460	146	0	0
DIST_SEC_SERV	436,255	159,524	14,902	59	36,203	0	536	9	36,478	188,544	0	0
CUSTOMER	4,838,158	4,081,872	544,008	20,430	173,823	6,555	3,671	2,490	0	4,989	321	0
Total	26,065,158	14,253,079	1,743,741	33,171	6,016,553	3,670,541	29,897	4,375	99,054	213,420	1,329	0
OT LABOR RELATED - DSM/EE												
PROD_DEMAND	111,584	69,675	8,116	133	31,529	1,699	170	20	180	61	1	0
PROD_ENERGY	111,584	69,675	8,116	133	31,529	1,699	170	20	180	61	1	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1	0
OT LABOR RELATED - DERP												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
OT PROPERTY TAX - PROD												
PROD_DEMAND	39,881,401	19,780,780	2,434,933	20,040	11,238,855	6,375,615	28,272	2,905	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	39,881,401	19,780,780	2,434,933	20,040	11,238,855	6,375,615	28,272	2,905	0	0	0	0
OT PROPERTY TAX - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	6,386,407	3,167,595	389,918	3,209	1,799,734	1,020,959	4,527	465	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	6,386,407	3,167,595	389,918	3,209	1,799,734	1,020,959	4,527	465	0	0	0	0

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OT PROPERTY TAX - DISTR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	2,498,398	1,599,080	149,547	589	479,567	238,887	15,369	87	10,462	3,325	1,486	1,486
DIST_PRIMARY	2,453,958	1,644,639	154,346	606	495,000	127,763	15,807	89	10,760	3,420	1,528	1,528
DIST_L_XFMR	2,252,273	1,522,854	142,867	561	457,010	101,291	14,477	83	9,963	3,166	0	0
DIST_SEC_SERV	2,912,798	618,457	57,775	228	140,354	0	2,079	34	1,098,392	995,480	0	0
CUSTOMER	9,606,760	8,089,155	1,077,728	40,476	364,095	15,931	7,081	4,022	0	7,759	512	512
Total	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526	3,526
OT PROPERTY TAX - GEN												
PROD_DEMAND	385,299	191,105	23,524	194	108,580	61,596	273	28	0	0	0	0
PROD_ENERGY	224,513	97,028	11,358	184	64,976	48,628	250	28	1,559	495	7	7
TRANSMISSION	270,141	132,934	16,364	135	75,529	44,970	190	20	0	0	0	0
DIST_SUBS	137,854	88,232	8,252	33	26,461	13,181	848	5	577	183	82	82
DIST_PRIMARY	143,047	95,785	8,992	35	28,847	7,546	921	5	627	199	89	89
DIST_L_XFMR	114,816	77,632	7,283	29	23,297	5,164	738	4	508	161	0	0
DIST_SEC_SERV	156,784	35,129	3,282	13	7,972	0	118	2	55,601	54,667	0	0
CUSTOMER	708,296	597,605	79,637	2,991	25,565	992	512	323	0	632	40	40
Total	2,140,751	1,315,449	158,692	3,613	361,228	182,077	3,849	414	58,872	56,339	217	217
OT FED HEAVY VEHICLE USE TAX												
PROD_DEMAND	737	366	45	0	208	118	1	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	9,610	4,726	582	5	2,685	1,606	7	1	0	0	0	0
DIST_SUBS	4,827	3,090	289	1	927	462	30	0	20	6	3	3
DIST_PRIMARY	4,741	3,178	298	1	956	247	31	0	21	7	3	3
DIST_L_XFMR	4,352	2,942	276	1	883	196	28	0	19	6	0	0
DIST_SEC_SERV	5,628	1,195	112	0	271	0	4	0	2,122	1,923	0	0
CUSTOMER	18,562	15,630	2,082	78	703	31	14	8	0	15	1	1
Total	48,458	31,126	3,684	87	6,633	2,658	113	9	2,183	1,958	7	7
OT ELECTRIC EXCISE TAX - SC												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
OT PRIVILEGE TAX												
PROD_DEMAND	6,893,888	3,419,300	420,902	3,464	1,942,746	1,102,087	4,887	502	0	0	0	0
PROD_ENERGY	41,639	17,995	2,107	34	12,051	9,019	46	5	289	92	1	1
TRANSMISSION	1,300,078	637,088	78,423	645	361,974	220,944	911	94	0	0	0	0
DIST_SUBS	503,627	322,342	30,146	119	96,671	48,155	3,098	17	2,109	670	299	299
DIST_PRIMARY	496,087	312,461	31,201	123	100,067	25,847	3,195	18	2,175	691	309	309
DIST_L_XFMR	452,259	305,791	28,688	113	91,768	20,339	2,907	17	2,001	636	0	0
DIST_SEC_SERV	586,432	124,855	11,664	46	28,335	0	420	7	220,486	200,621	0	0
CUSTOMER	1,969,585	1,558,667	220,989	8,300	74,410	3,232	1,450	829	0	1,602	105	105
Total	12,243,595	6,818,499	824,120	12,844	2,708,021	1,429,623	16,914	1,489	227,060	204,312	715	715

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COS DETAIL - OPER. EXPENSE									
OT PUC LICENSE TAX - SC									
PROD _DEMAND									
PROD _ENERGY									
TRANSMISSION									
DIST _SUBS									
DIST _PRIMARY									
DIST _L_XFMR									
DIST _SEC_SERV									
CUSTOMER									
Total									
OT MISC TAXES: NC									
PROD _DEMAND									
PROD _ENERGY									
TRANSMISSION									
DIST _SUBS									
DIST _PRIMARY									
DIST _L_XFMR									
DIST _SEC_SERV									
CUSTOMER									
Total									
OT MISC TAXES: SC									
PROD _DEMAND									
PROD _ENERGY									
TRANSMISSION									
DIST _SUBS									
DIST _PRIMARY									
DIST _L_XFMR									
DIST _SEC_SERV									
CUSTOMER									
Total									
OT MISC TAXES: OTHER STATES									
PROD _DEMAND									
PROD _ENERGY									
TRANSMISSION									
DIST _SUBS									
DIST _PRIMARY									
DIST _L_XFMR									
DIST _SEC_SERV									
CUSTOMER									
Total									
BOOK OTHER TAXES									
PROD _DEMAND									
PROD _ENERGY									
TRANSMISSION									
DIST _SUBS									
DIST _PRIMARY									
DIST _L_XFMR									
DIST _SEC_SERV									
CUSTOMER									
Total									

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OTHER TAX ADJUSTMENTS:												
ADJOT REMOVE DSM - PLANT RELATED												
PROD_DEMAND	(231,934)	(115,037)	(14,161)	(117)	(65,361)	(37,078)	(164)	(17)	(0)	(8)	(2)	(0)
PROD_ENERGY	(1,093)	(472)	(55)	(1)	(316)	(237)	(1)	(0)	(3)	(0)	(0)	(0)
TRANSMISSION	(35,482)	(17,448)	(2,148)	(18)	(9,913)	(5,928)	(25)	(0)	(0)	(0)	(0)	(0)
DIST_SUBS	(17,833)	(11,414)	(1,067)	(4)	(3,423)	(1,705)	(110)	(1)	(1)	(75)	(24)	(11)
DIST_PRIMARY	(17,553)	(11,764)	(1,104)	(4)	(3,541)	(914)	(113)	(1)	(1)	(77)	(24)	(11)
DIST_L_XFMR	(16,030)	(10,839)	(1,017)	(4)	(3,253)	(721)	(103)	(1)	(0)	(71)	(23)	(0)
DIST_SEC_SERV	(20,772)	(4,419)	(413)	(2)	(1,003)	0	(15)	(0)	(0)	(7,816)	(7,104)	0
CUSTOMER	(69,439)	(58,475)	(7,791)	(293)	(2,626)	(114)	(51)	(29)	(51)	(0)	(56)	(4)
Total	(410,137)	(229,869)	(27,756)	(442)	(89,435)	(46,697)	(582)	(51)	(51)	(8,046)	(7,234)	(25)
ADJOT REMOVE JAAR PLANT REL TAX												
PROD_DEMAND	(3,745,118)	(1,857,542)	(228,656)	(1,882)	(1,055,400)	(598,711)	(2,655)	(273)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(3,745,118)	(1,857,542)	(228,656)	(1,882)	(1,055,400)	(598,711)	(2,655)	(273)	(0)	(0)	(0)	(0)
ADJOT REMOVE DSM												
PROD_DEMAND	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)	(1)
PROD_ENERGY	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)	(1)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(223,168)	(139,351)	(16,232)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)	(1)
ADJOT REMOVE JAAR PAYROLL TAX												
PROD_DEMAND	(2,079,727)	(1,031,524)	(126,976)	(1,045)	(586,082)	(332,474)	(1,474)	(151)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(2,079,727)	(1,031,524)	(126,976)	(1,045)	(586,082)	(332,474)	(1,474)	(151)	(0)	(0)	(0)	(0)
ADJOT PROPERTY TAX												
PROD_DEMAND	2,298,021	1,139,796	140,304	1,155	647,598	367,372	1,629	167	0	0	0	0
PROD_ENERGY	10,827	4,679	548	9	3,133	2,345	12	1	75	24	0	0
TRANSMISSION	351,560	172,877	21,280	175	98,223	58,731	247	25	0	0	0	0
DIST_SUBS	176,693	113,091	10,576	42	33,916	16,895	1,087	6	740	235	105	105
DIST_PRIMARY	173,919	116,556	10,939	43	35,082	9,060	1,120	6	763	242	108	108
DIST_L_XFMR	158,830	107,392	10,075	40	32,228	7,143	1,021	6	703	223	0	0
DIST_SEC_SERV	205,811	43,787	4,091	16	9,937	0	147	2	77,440	70,390	0	0
CUSTOMER	688,009	579,380	77,192	2,899	26,014	1,132	507	289	0	559	37	37
Total	4,063,669	2,277,557	275,005	4,378	886,132	462,678	5,770	504	79,720	71,674	250	250



DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE												
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS												
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
PROD_DEMAND	3,732,557	1,851,312	227,889	1,876	1,051,861	596,703	2,646	272	0	0	0	0
PROD_ENERGY	17,586	7,600	890	14	5,090	3,809	20	2	122	39	1	1
TRANSMISSION	571,020	280,795	34,565	284	159,539	95,394	401	41	0	0	0	0
DIST_SUBS	286,993	183,688	17,179	68	55,088	27,441	1,765	10	1,202	382	171	171
DIST_PRIMARY	282,487	189,316	17,767	70	56,981	14,715	1,820	10	1,239	394	176	176
DIST_L_XFMR	257,980	174,431	16,364	64	52,347	11,602	1,658	9	1,141	363	0	0
DIST_SEC_SERV	334,287	71,121	6,644	26	16,140	0	239	4	125,781	114,331	0	0
CUSTOMER	1,117,497	941,057	125,380	4,709	42,253	1,839	823	470	0	907	60	60
Total	6,600,408	3,699,319	446,677	7,111	1,439,299	751,504	9,372	819	129,485	116,416	407	407
ADJOT PAYROLL TAX												
PROD_DEMAND	(435,726)	(216,116)	(26,603)	(219)	(122,791)	(69,657)	(309)	(32)	(0)	(0)	(0)	(0)
PROD_ENERGY	(341,192)	(147,454)	(17,261)	(280)	(98,744)	(73,900)	(379)	(42)	(2,369)	(753)	(10)	(10)
TRANSMISSION	(34,802)	(17,262)	(2,125)	(17)	(9,808)	(5,564)	(25)	(3)	0	0	0	0
DIST_SUBS	(20,767)	(13,292)	(1,243)	(5)	(3,986)	(1,986)	(128)	(1)	(87)	(28)	(12)	(12)
DIST_PRIMARY	(32,015)	(21,328)	(2,006)	(8)	(6,446)	(1,817)	(205)	(1)	(140)	(44)	(20)	(20)
DIST_L_XFMR	(4,349)	(2,940)	(276)	(1)	(882)	(196)	(28)	(0)	(19)	(6)	0	0
DIST_SEC_SERV	(18,231)	(6,667)	(623)	(2)	(1,513)	0	(22)	(0)	(1,524)	(7,879)	0	0
CUSTOMER	(202,188)	(170,583)	(22,734)	(854)	(7,264)	(274)	(153)	(104)	(1,524)	(7,879)	(208)	(13)
Total	(1,089,271)	(595,641)	(72,872)	(1,386)	(251,434)	(153,393)	(1,249)	(183)	(4,140)	(8,919)	(56)	(56)
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ												
PROD_DEMAND	(7,085)	(3,514)	(433)	(4)	(1,996)	(1,133)	(5)	(1)	(0)	(0)	(0)	(0)
PROD_ENERGY	(5,548)	(2,398)	(281)	(5)	(1,606)	(1,202)	(6)	(1)	(39)	(12)	(0)	(0)
TRANSMISSION	(566)	(281)	(35)	(0)	(159)	(90)	(0)	(0)	0	0	0	0
DIST_SUBS	(338)	(216)	(20)	(0)	(65)	(32)	(2)	(0)	(1)	(0)	(0)	(0)
DIST_PRIMARY	(521)	(347)	(33)	(0)	(105)	(30)	(3)	(0)	(2)	(3)	(0)	(0)
DIST_L_XFMR	(71)	(48)	(4)	(0)	(14)	(3)	(0)	(0)	(0)	(0)	0	0
DIST_SEC_SERV	(296)	(108)	(10)	(0)	(25)	0	(0)	(0)	(25)	(128)	0	0
CUSTOMER	(3,287)	(2,774)	(370)	(14)	(118)	(4)	(2)	(2)	(0)	(3)	(0)	(0)
Total	(17,711)	(9,685)	(1,185)	(23)	(4,088)	(2,494)	(20)	(3)	(67)	(145)	(1)	(1)
ADJOT REMOVE EXPIRING OTH TAX - PROD												
PROD_DEMAND	(22,074)	(10,948)	(1,348)	(11)	(6,221)	(3,529)	(16)	(2)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(22,074)	(10,948)	(1,348)	(11)	(6,221)	(3,529)	(16)	(2)	(0)	(0)	(0)	(0)
ADJOT REMOVE EXPIRING OTH TAX - LAB												
PROD_DEMAND	10,709	5,311	654	5	3,018	1,712	8	1	0	0	0	0
PROD_ENERGY	8,385	3,624	424	7	2,427	1,816	9	1	58	19	0	0
TRANSMISSION	855	424	52	0	241	137	1	0	0	0	0	0
DIST_SUBS	510	327	31	0	98	49	3	0	2	1	0	0
DIST_PRIMARY	787	524	49	0	158	45	5	0	3	1	0	0
DIST_L_XFMR	107	72	7	0	22	5	1	0	0	0	0	0
DIST_SEC_SERV	448	164	15	0	37	0	1	0	37	194	0	0
CUSTOMER	4,969	4,192	559	21	179	7	4	3	0	5	0	0
Total	26,771	14,639	1,791	34	6,179	3,770	31	4	102	219	1	1

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE	ADJOT REMOVE MERGER RELATED- PROPERTY TAX													
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
ADJOT PLANT RETIREMENT PROP TAX - PROD	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(53,053)	(26,314)	(3,239)	(27)	(14,951)	(8,481)	(4)	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(53,053)	(26,314)	(3,239)	(27)	(14,951)	(8,481)	(38)	0	0	0	0	0	0
	PROD_DEMAND	(1,032,164)	(511,943)	(63,018)	(519)	(290,871)	(165,006)	(732)	(0)	(0)	(0)	(0)	(0)	(0)
TOTAL OTHER TAX ADJUSTMENTS	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(1,032,164)	(511,943)	(63,018)	(519)	(290,871)	(165,006)	(732)	(0)	(0)	(0)	(0)	(0)	(0)
	PROD_DEMAND	(1,624,125)	(819,881)	(100,463)	(893)	(457,773)	(243,501)	(1,242)	(130)	(61)	(1)	(1)	(1)	(1)
	PROD_ENERGY	(422,618)	(204,096)	(23,851)	(388)	(121,544)	(69,067)	(516)	(58)	(2,340)	(747)	(10)	(10)	(10)
OTHER TAXES	TRANSMISSION	799,532	392,792	48,351	398	223,173	134,199	561	58	0	0	0	0	0
	DIST_SUBS	425,258	272,183	25,455	100	81,628	40,661	2,616	15	1,781	566	253	253	253
	DIST_PRIMARY	407,104	272,957	25,612	101	82,130	21,059	2,623	15	1,786	568	254	254	254
	DIST_L_XFMR	396,467	268,068	25,149	99	80,447	17,830	2,548	15	1,754	557	0	0	0
	DIST_SEC_SERV	501,246	103,878	9,704	38	23,574	0	349	6	193,893	169,803	0	0	0
	CUSTOMER	1,535,560	1,292,798	172,236	6,469	58,437	2,585	1,126	627	(0)	1,203	79	79	79
	Total	2,018,425	1,578,700	182,192	5,924	(29,928)	(96,233)	8,066	546	196,694	171,889	575	575	575
	PROD_DEMAND	53,532,442	26,551,561	3,268,389	26,900	15,085,813	8,557,930	37,949	3,899	0	0	0	0	0
	PROD_ENERGY	8,104,148	3,502,387	409,997	6,644	2,345,398	1,755,313	9,010	999	56,278	17,886	236	236	236
	TRANSMISSION	9,119,014	4,513,194	555,556	4,572	2,564,264	1,474,315	6,451	663	0	0	0	0	0
ADJOT REMOVE MERGER RELATED- PROPERTY TAX	DIST_SUBS	3,881,142	2,484,094	232,315	916	744,984	371,099	23,875	135	16,252	5,165	2,308	2,308	2,308
	DIST_PRIMARY	4,088,045	2,736,746	256,953	1,009	824,344	216,403	26,303	149	17,905	5,690	2,543	2,543	2,543
	DIST_L_XFMR	3,157,407	2,134,852	200,282	787	640,671	141,997	20,295	116	13,967	4,439	0	0	0
	DIST_SEC_SERV	4,382,836	996,984	93,136	368	226,258	0	3,351	54	1,525,646	1,537,039	0	0	0
	CUSTOMER	17,950,435	15,123,923	2,015,169	75,682	669,588	28,133	13,319	7,993	0	15,609	1,019	1,019	1,019
	Total	104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107	6,107	6,107
	PROD_DEMAND	53,532,442	26,551,561	3,268,389	26,900	15,085,813	8,557,930	37,949	3,899	0	0	0	0	0
	PROD_ENERGY	8,104,148	3,502,387	409,997	6,644	2,345,398	1,755,313	9,010	999	56,278	17,886	236	236	236
	TRANSMISSION	9,119,014	4,513,194	555,556	4,572	2,564,264	1,474,315	6,451	663	0	0	0	0	0
	DIST_SUBS	3,881,142	2,484,094	232,315	916	744,984	371,099	23,875	135	16,252	5,165	2,308	2,308	2,308
	DIST_PRIMARY	4,088,045	2,736,746	256,953	1,009	824,344	216,403	26,303	149	17,905	5,690	2,543	2,543	2,543
	DIST_L_XFMR	3,157,407	2,134,852	200,282	787	640,671	141,997	20,295	116	13,967	4,439	0	0	0
	DIST_SEC_SERV	4,382,836	996,984	93,136	368	226,258	0	3,351	54	1,525,646	1,537,039	0	0	0
	CUSTOMER	17,950,435	15,123,923	2,015,169	75,682	669,588	28,133	13,319	7,993	0	15,609	1,019	1,019	1,019
	Total	104,215,469	58,043,741	7,031,797	116,877	23,101,320	12,545,190	140,552	14,008	1,630,048	1,585,828	6,107	6,107	6,107

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE

ADJ OPERATING INCOME BEFORE INCOME TAXES

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	433,420,134	205,299,435	24,593,142	182,661	132,365,845	70,462,580	477,882	29,314	8,158	1,093	24
PROD_ENERGY	83,378,907	34,706,294	3,055,739	23,843	25,945,115	18,260,079	141,376	5,977	1,081,233	156,089	3,182
TRANSMISSION	101,165,871	47,442,730	5,684,905	41,917	30,616,638	17,263,089	109,861	6,730	0	0	0
DIST_SUBS	38,923,580	23,842,522	2,170,488	7,667	8,288,412	3,792,419	371,156	1,250	366,580	46,309	36,776
DIST_PRIMARY	47,714,171	30,335,272	2,773,410	9,763	10,591,812	2,958,186	472,098	1,591	466,352	58,924	46,764
DIST_L_XFMR	34,837,485	22,421,569	2,047,511	7,208	7,797,436	1,829,039	345,271	1,176	344,726	43,548	0
DIST_SEC_SERV	66,596,510	10,824,856	984,398	3,483	2,880,513	0	58,913	568	37,986,690	13,857,087	0
CUSTOMER	176,229,742	148,005,517	19,195,232	646,809	7,626,615	317,974	205,719	74,930	0	141,215	15,731
Total	982,266,398	522,878,194	60,504,806	923,351	226,112,386	114,883,366	2,182,277	121,536	40,253,740	14,304,266	102,476
PROD_DEMAND	75,249,716	35,530,994	4,160,063	30,759	23,245,621	12,182,920	92,283	5,242	1,639	189	5
PROD_ENERGY	14,494,537	6,006,234	516,891	4,015	4,541,903	3,152,198	27,301	1,069	217,255	27,043	628
TRANSMISSION	17,557,610	8,210,875	961,633	7,059	5,376,685	2,978,940	21,215	1,203	0	0	0
DIST_SUBS	6,772,584	4,126,494	367,150	1,291	1,462,167	654,650	71,673	224	73,658	8,023	7,254
DIST_PRIMARY	8,322,028	5,250,213	469,137	1,644	1,868,322	528,122	91,166	284	93,705	10,209	9,225
DIST_L_XFMR	6,074,249	3,880,566	346,348	1,214	1,375,472	326,953	66,675	210	69,267	7,545	0
DIST_SEC_SERV	12,595,022	1,873,489	166,516	587	509,428	0	11,377	102	7,632,759	2,400,765	0
CUSTOMER	30,460,675	25,617,211	3,246,978	108,920	1,350,321	56,552	39,726	13,399	0	24,466	3,103
Total	171,526,421	90,496,076	10,234,716	155,488	39,729,920	19,880,335	421,416	21,732	8,088,283	2,478,239	20,214

INVESTMENT TAX CREDITS:

ITC - PRODUCTION RELATED

PROD_DEMAND	(1,752,841)	(869,392)	(107,019)	(881)	(493,963)	(280,217)	(1,243)	(128)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,752,841)	(869,392)	(107,019)	(881)	(493,963)	(280,217)	(1,243)	(128)	(0)	(0)	(0)

ITC - TRANSMISSION RELATED

PROD_DEMAND	(11,737)	(5,821)	(717)	(6)	(3,307)	(1,876)	(8)	(1)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(153,040)	(75,254)	(9,264)	(76)	(42,757)	(25,570)	(108)	(11)	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(164,777)	(81,076)	(9,980)	(82)	(46,065)	(27,447)	(116)	(12)	(0)	(0)	(0)

ITC - DISTRIBUTION RELATED

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(45,679)	(29,237)	(2,734)	(11)	(8,768)	(4,366)	(281)	(2)	(191)	(61)	(27)
DIST_PRIMARY	(44,867)	(30,070)	(2,822)	(11)	(9,050)	(2,336)	(289)	(2)	(197)	(63)	(28)
DIST_L_XFMR	(41,179)	(27,843)	(2,612)	(10)	(8,356)	(1,852)	(265)	(2)	(182)	(58)	0
DIST_SEC_SERV	(53,256)	(11,308)	(1,056)	(4)	(2,566)	0	(38)	(1)	(20,082)	(18,201)	0
CUSTOMER	(175,645)	(147,898)	(19,705)	(740)	(6,657)	(291)	(129)	(74)	0	(142)	(9)
Total	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ITC - GENERAL RELATED	PROD_DEMAND	(12,505)	(6,202)	(763)	(6)	(3,524)	(1,999)	(9)	(1)	(0)	(0)	(0)
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)
	TRANSMISSION	(8,767)	(4,314)	(531)	(4)	(2,451)	(1,459)	(6)	(1)	0	0	0
	DIST_SUBS	(4,474)	(2,864)	(268)	(1)	(859)	(428)	(28)	(0)	(19)	(6)	(3)
	DIST_PRIMARY	(4,642)	(3,109)	(292)	(1)	(936)	(245)	(30)	(0)	(20)	(6)	(3)
	DIST_L_XFMR	(3,726)	(2,519)	(236)	(1)	(756)	(168)	(24)	(0)	(16)	(5)	0
	DIST_SEC_SERV	(5,088)	(1,140)	(107)	(0)	(259)	0	(4)	(0)	(1,804)	(1,774)	0
	CUSTOMER	(22,987)	(19,395)	(2,585)	(97)	(830)	(32)	(17)	(10)	(1,804)	(1,774)	(21)
	Total	(69,476)	(42,692)	(5,150)	(117)	(11,723)	(5,909)	(125)	(13)	(1,911)	(1,828)	(7)
ITC - HARRIS DISALLOW - NCR	213,806	106,046	13,054	107	60,252	34,180	152	16	0	0	0	
ITC - HARRIS DISALLOW - SCR	0	0	0	0	0	0	0	0	0	0	0	
ITC - HARRIS DISALLOW - WHSLE	0	0	0	0	0	0	0	0	0	0	0	
ITC - HARRIS DISALLOW - NCEMPA	0	0	0	0	0	0	0	0	0	0	0	
ADJ INVESTMENT TAX CREDITS	PROD_DEMAND	(1,563,276)	(775,369)	(95,445)	(786)	(440,542)	(249,912)	(1,108)	(114)	(0)	(0)	(0)
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)
	TRANSMISSION	(161,808)	(79,569)	(9,795)	(81)	(45,209)	(27,030)	(114)	(12)	0	0	0
	DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)
	DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(2)	(217)	(69)	(31)
	DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0
	DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0
	CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(0)	(162)	(11)
	Total	(2,133,914)	(1,133,468)	(138,024)	(1,749)	(526,896)	(288,239)	(2,334)	(216)	(22,563)	(20,352)	(72)
TOTAL ADJ OPER EXPENSE												
PROD_DEMAND	922,388,323	455,697,795	55,869,737	456,406	262,020,533	147,581,873	693,172	66,973	1,639	189	5	
PROD_ENERGY	1,446,084,065	625,736,272	75,034,618	1,217,191	451,647,846	276,949,250	1,820,093	180,512	10,251,669	3,203,217	43,397	
TRANSMISSION	104,263,555	51,171,186	6,248,981	50,580	29,789,343	16,913,304	82,645	7,515	0	0	0	
DIST_SUBS	48,959,178	31,127,363	2,891,775	11,243	9,561,272	4,687,556	331,329	1,690	250,400	64,193	32,358	
DIST_PRIMARY	87,260,725	57,913,711	5,419,748	21,055	17,771,833	4,917,342	597,556	3,144	438,399	119,755	56,182	
DIST_L_XFMR	35,095,586	23,502,945	2,187,115	8,447	7,264,501	1,632,037	253,249	1,275	197,666	48,351	0	
DIST_SEC_SERV	74,729,193	19,148,964	1,780,095	6,954	4,430,517	0	69,464	1,039	25,913,085	23,379,075	0	
CUSTOMER	393,681,092	332,051,895	44,063,988	1,639,026	14,257,336	730,949	296,124	190,520	12,982	414,248	24,025	
Total	3,112,461,715	1,596,350,131	193,496,057	3,410,903	796,743,180	453,412,310	4,143,632	452,667	37,065,841	27,229,028	157,966	

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COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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PRODUCTION PLANT IN SERVICE:											
PRODUCTION PLANT	10,776,509,396	5,345,041,888	657,952,889	5,415,209	3,036,895,110	1,722,779,936	7,639,428	784,936	0	0	0
CONTRA AFUDC - WHS	0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL	(321,021,266)	(159,223,367)	(19,599,748)	(161,314)	(90,466,020)	(51,319,864)	(227,571)	(23,382)	(0)	(0)	(0)
CONTRA AFUDC - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(192,412,520)	(23,685,198)	(194,938)	(109,323,117)	(62,017,181)	(275,007)	(28,256)	(0)	(0)	(0)
HARRIS DISALLOWANCE - SC	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA	0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC	(11,032,277)	(5,471,900)	(673,569)	(5,544)	(3,108,972)	(1,763,668)	(7,821)	(804)	(0)	(0)	(0)
CWIP IN RATE BASE - NC RETAIL	102,930,000	51,052,260	6,284,325	51,722	29,006,388	16,454,840	72,967	7,497	0	0	0

TOTAL PRODUCTION PLANT	10,159,449,637	5,038,986,362	620,278,700	5,105,136	2,863,003,389	1,624,134,063	7,201,997	739,990	0	0	0
PROD_DEMAND	10,159,449,637	5,038,986,362	620,278,700	5,105,136	2,863,003,389	1,624,134,063	7,201,997	739,990	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	10,159,449,637	5,038,986,362	620,278,700	5,105,136	2,863,003,389	1,624,134,063	7,201,997	739,990	0	0	0

TRANSMISSION PLANT IN SERVICE:											
TRANSMISSION PLANT - TRAN	1,513,105,622	750,485,397	92,381,696	760,337	426,403,661	241,891,684	1,072,635	110,211	0	0	0
TRANSMISSION PLANT - PROD	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0
TRANS PLANT - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSLE/PA	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERCMIT REL	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION PLANT	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0
PROD_DEMAND	117,045,242	58,053,280	7,146,122	58,815	32,984,161	18,711,364	82,973	8,525	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,526,217,653	750,485,397	92,381,696	760,337	426,403,661	255,003,715	1,072,635	110,211	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,643,262,895	808,538,677	99,527,818	819,153	459,387,823	273,715,080	1,155,608	118,736	0	0	0

DISTRIBUTION PLANT IN SERVICE

SUBSTATIONS:

SUBSTATIONS - RETAIL	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS	0	0	0	0	0	0	0	0	0	0	0



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COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
TOTAL DIST SUBSTATIONS		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	0	0
		DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
		CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total			766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894		
OVERHEAD LINES:		PRIMARY POLES - CUSTOMER	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872		
		PRIMARY POLES - DEMAND	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682		
		SECONDARY POLES - CUSTOMER	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0		
		SECONDARY POLES - DEMAND	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0		
		PRIMARY CONDUCTOR - CUST	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417		
		PRIMARY CONDUCTOR - DEMAND	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950		
		PRIMARY COND - ADDL FAC RETAIL	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0		
		PRIMARY COND - ADDL FAC WHSL	0	0	0	0	0	0	0	0	0	0	0		
		SECONDARY COND - CUSTOMER	105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0		
		SECONDARY COND - DEMAND	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0		
TOTAL DIST OVERHEAD LINES		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_PRIMARY	367,308,764	243,919,116	22,976,516	89,912	73,887,702	21,748,318	2,344,303	13,239	1,595,850	507,176	226,632		
		DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
		DIST_SEC_SERV	90,674,083	68,034,514	6,355,645	25,079	15,439,915	0	228,657	3,693	445,119	141,463	0		
		CUSTOMER	1,157,695,274	987,150,008	131,664,232	4,944,848	31,167,465	155,185	622,477	641,654	0	1,298,115	51,290		
Total			1,615,678,121	1,299,103,638	160,996,393	5,059,839	120,495,082	21,903,503	3,195,436	658,585	2,040,969	1,946,754	277,922		

UNDERGROUND LINES:

U/G LINES - PRIMARY CUSTOMER		438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305			
U/G LINES - SECONDARY CUSTOMER		193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0			
U/G LINES - PRIMARY DEMAND		385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251			
U/G LINES - SECONDARY DEMAND		162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0			
TOTAL DIST UNDERGROUND LINES		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_PRIMARY	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251		
		DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
		DIST_SEC_SERV	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0		
		CUSTOMER	632,455,192	539,489,114	71,953,714	2,702,418	16,834,255	73,538	317,742	350,671	709,435	24,305			
Total			1,180,375,674	921,954,349	107,709,679	2,843,400	122,461,822	17,528,706	3,232,750	371,430	2,502,294	1,504,688	266,556		

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LINE TRANSFORMERS:											
COS DETAIL - RATE BASE	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST LINE TRANSFRMS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
Total	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656

SERVICES:	SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0
SERVICES - DIRECT ASSIGN RES		0	0	0	0	0	0	0	0	0	0
TOTAL DIST SERVICES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
Total	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0

METERS:												
METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0	
TOTAL DIST METERS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	
Total	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE														NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
														RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
STREET LIGHTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	305,063,146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305,063,146	0	0	0			
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Total	305,063,146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	305,063,146	0	0	0			
AREA LIGHTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	335,794,236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	335,794,236	0	0	0			
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Total	335,794,236	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	335,794,236	0	0	0			
DISTR PLANT SUBTOTAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	455,894	455,894	455,894	455,894	455,894	455,894	455,894	455,894	455,894			
	DIST_PRIMARY	752,984,087	504,648,678	47,360,183	186,021	151,888,285	39,203,487	4,850,171	27,390	3,301,684	1,049,306	468,883	468,883	468,883	468,883	468,883	468,883	468,883	468,883	468,883	468,883			
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	893,776,624	189,770,186	17,727,942	69,952	43,066,899	0	637,797	10,300	337,035,815	305,457,732	0	0	0	0	0	0	0	0	0	0			
	CUSTOMER	2,947,783,595	2,482,114,639	330,695,062	12,419,904	111,720,701	4,888,357	2,172,724	1,234,258	0	2,380,845	157,106	157,106	157,106	157,106	157,106	157,106	157,106	157,106	157,106	157,106			
	Total	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883			
TOTAL DISTRIBUTION PLANT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	455,894	455,894	455,894	455,894	455,894	455,894	455,894	455,894	455,894			
	DIST_PRIMARY	752,984,087	504,648,678	47,360,183	186,021	151,888,285	39,203,487	4,850,171	27,390	3,301,684	1,049,306	468,883	468,883	468,883	468,883	468,883	468,883	468,883	468,883	468,883	468,883			
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	893,776,624	189,770,186	17,727,942	69,952	43,066,899	0	637,797	10,300	337,035,815	305,457,732	0	0	0	0	0	0	0	0	0	0			
	CUSTOMER	2,947,783,595	2,482,114,639	330,695,062	12,419,904	111,720,701	4,888,357	2,172,724	1,234,258	0	2,380,845	157,106	157,106	157,106	157,106	157,106	157,106	157,106	157,106	157,106	157,106			
	Total	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883	1,081,883			

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
GENERAL PLANT:													
GENERAL PLANT - PROD													
PROD_DEMAND	17,310,685	8,585,928	1,056,893	8,699	4,878,271	2,767,362	12,271	1,261	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	
Total	17,310,685	8,585,928	1,056,893	8,699	4,878,271	2,767,362	12,271	1,261	0	0	0	0	
GENERAL PLANT - T/D													
PROD_DEMAND	4,122,387	2,044,663	251,690	2,072	1,161,717	659,023	2,922	300	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	53,754,089	26,432,441	3,253,726	26,779	15,018,133	8,981,348	37,779	3,882	0	0	0	0	
DIST_SUBS	27,000,719	17,281,593	1,616,190	6,370	5,182,780	2,581,700	166,093	938	113,066	35,933	36,957	16,057	
DIST_PRIMARY	26,520,447	17,773,959	1,668,047	6,552	5,349,575	1,380,765	170,825	965	116,287	36,957	34,220	16,514	
DIST_L_XFMR	24,340,792	16,457,805	1,543,997	6,067	4,939,005	1,094,672	156,457	893	107,676	34,220	0	0	
DIST_SEC_SERV	31,479,225	6,683,793	624,386	2,464	1,516,836	0	22,464	363	11,870,557	10,758,362	83,854	0	
CUSTOMER	103,822,297	87,421,221	11,647,232	437,435	3,934,855	172,170	76,524	43,471	0	0	0	5,533	
Total	271,039,956	174,095,476	20,605,270	487,738	37,102,901	14,869,678	633,064	50,812	12,207,585	10,949,327	83,854	38,104	
GENERAL PLANT - CUST/SALES													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	23,806	1,177	
Total	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	23,806	1,177	
GENERAL PLANT - LABOR													
PROD_DEMAND	62,337,404	30,918,735	3,805,970	31,325	17,567,113	9,965,530	44,191	4,541	0	0	0	0	
DIST_SUBS	2,971,089	1,901,621	177,841	701	570,300	284,083	18,276	103	12,441	3,954	3,954	1,767	
DIST_PRIMARY	4,580,271	3,051,291	287,054	1,125	922,242	259,925	29,326	166	19,963	6,344	6,344	2,835	
DIST_L_XFMR	622,132	420,649	39,463	155	126,237	27,979	3,999	23	2,752	875	875	0	
DIST_SEC_SERV	2,608,263	953,756	89,098	352	216,448	0	3,205	52	218,093	1,127,259	29,826	1,918	
CUSTOMER	28,926,164	24,404,513	3,252,493	122,145	1,039,243	39,190	21,947	14,889	0	29,826	29,826	1,918	
Total	155,837,215	85,215,676	10,425,403	198,321	35,971,498	21,945,268	178,745	26,154	592,220	1,275,986	7,944	7,944	

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2-Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018  
  
Summer '1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE												
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
TOTAL GENERAL PLANT												
PROD_DEMAND	83,770,477	41,549,327	5,114,553	42,095	23,607,102	13,391,915	59,385	6,102	0	0	0	0
PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	1,424
TRANSMISSION	58,733,098	28,901,980	3,557,716	29,281	16,421,253	9,777,314	41,308	4,244	0	0	0	0
DIST_SUBS	29,971,808	19,183,214	1,794,032	7,071	5,753,079	2,865,783	184,370	1,041	125,507	39,887	17,824	17,824
DIST_PRIMARY	31,100,718	20,825,250	1,955,101	7,676	6,271,817	1,640,690	200,151	1,130	136,250	43,302	19,349	19,349
DIST_L_XFMR	24,962,924	16,878,454	1,583,461	6,222	5,065,242	1,122,651	160,456	916	110,428	35,095	0	0
DIST_SEC_SERV	34,087,487	7,637,550	713,484	2,815	1,733,284	0	25,669	415	12,088,649	11,885,621	0	0
CUSTOMER	153,995,431	129,929,202	17,314,481	650,264	5,558,363	215,569	111,310	70,127	0	137,487	8,628	8,628
Total	465,434,827	286,000,548	34,502,320	785,442	78,536,936	39,586,517	836,919	89,994	12,799,805	12,249,120	47,225	47,225
TOTAL TANGIBLE PLANT												
PROD_DEMAND	10,360,265,356	5,138,588,969	632,539,376	5,206,046	2,919,594,652	1,656,237,342	7,344,354	754,617	0	0	0	0
PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	1,424
TRANSMISSION	1,584,950,750	779,387,377	95,939,412	789,619	442,824,914	264,781,029	1,113,943	114,455	0	0	0	0
DIST_SUBS	796,592,080	509,852,337	47,681,857	187,939	152,905,605	76,166,912	4,900,184	27,672	3,335,730	1,060,126	473,718	473,718
DIST_PRIMARY	784,084,805	525,473,928	49,315,284	193,697	158,160,102	40,844,177	5,050,322	28,520	3,437,934	1,092,608	488,232	488,232
DIST_L_XFMR	716,060,995	484,158,118	45,421,539	178,468	145,296,361	32,203,234	4,602,672	26,278	3,167,624	1,006,701	0	0
DIST_SEC_SERV	927,864,111	197,407,736	18,441,426	72,767	44,800,183	0	663,466	10,714	349,124,465	317,343,353	0	0
CUSTOMER	3,101,779,026	2,612,043,842	348,009,542	13,070,168	117,279,064	5,103,926	2,284,034	1,304,385	0	2,518,331	165,734	165,734
Total	18,320,410,007	10,268,007,878	1,239,817,929	19,738,722	3,994,987,677	2,085,909,215	26,013,247	2,272,661	359,404,723	323,128,847	1,129,107	1,129,107
INTANGIBLE PLT												
PROD_DEMAND	202,551,282	100,463,429	12,366,639	101,782	57,080,356	32,380,734	143,588	14,753	0	0	0	0
PROD_ENERGY	954,330	412,435	48,281	782	276,190	206,702	1,061	118	6,627	2,106	28	28
TRANSMISSION	30,987,025	15,237,632	1,875,690	15,438	8,657,573	5,176,676	21,778	2,238	0	0	0	0
DIST_SUBS	15,573,998	9,968,012	932,218	3,674	2,989,424	1,489,123	95,802	541	65,216	20,726	9,262	9,262
DIST_PRIMARY	15,329,471	10,273,426	964,152	3,787	3,092,154	798,536	98,738	558	67,214	21,361	9,545	9,545
DIST_L_XFMR	13,999,552	9,465,669	888,027	3,489	2,840,657	629,598	89,986	514	61,930	19,682	0	0
DIST_SEC_SERV	18,140,468	3,859,475	360,544	1,423	875,857	0	12,971	209	6,825,656	6,204,310	0	0
CUSTOMER	60,642,203	51,067,498	6,803,858	255,532	2,292,897	99,786	44,655	25,502	0	49,235	3,240	3,240
Total	358,178,329	200,747,576	24,239,409	385,907	78,105,130	40,781,155	508,579	44,432	7,026,643	6,317,421	22,075	22,075
BOOK PLANT IN SERVICE												
PROD_DEMAND	10,562,816,638	5,239,052,398	644,906,015	5,307,828	2,976,675,008	1,688,618,076	7,487,942	769,371	0	0	0	0
PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	6,136	345,598	109,834	1,452	1,452
TRANSMISSION	1,615,937,776	794,625,009	97,815,103	805,057	451,482,487	269,957,705	1,135,722	116,693	0	0	0	0
DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,025	77,656,035	4,995,986	28,213	3,400,946	1,080,853	482,979	482,979
DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	5,149,060	29,078	3,505,148	1,113,969	497,777	497,777
DIST_L_XFMR	730,060,547	493,623,788	46,309,565	181,957	148,137,019	32,832,832	4,692,658	26,791	3,229,553	1,026,382	0	0
DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	0	0
CUSTOMER	3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	0	2,567,567	168,974	168,974
Total	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,571,826	2,317,093	366,431,366	329,446,269	1,151,182	1,151,182



**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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**RESERVE FOR DEPRECIATION**

**PRODUCTION FUNCTION:**

DPR PRODUCTION RELATED	(4,543,207,819)	(2,253,386,065)	(277,382,648)	(2,282,968)	(1,280,307,482)	(726,297,077)	(3,220,663)	(330,917)	(0)	(0)	(0)
DPR NUCLEAR DECOMM. - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF. NCEMPA-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC NC RET-PROD	238,121,493	118,105,901	14,538,355	119,656	67,104,289	38,067,144	168,803	17,344	0	0	0
DPR CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NC	254,433,596	126,196,543	15,534,280	127,853	71,701,153	40,674,868	180,367	18,532	0	0	0
DPR HARRIS DISALLOW. - SC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(168,688,680)	(20,764,889)	(170,903)	(95,843,931)	(54,370,663)	(241,099)	(24,772)	(0)	(0)	(0)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0

TOTAL PRODUCTION RESERVE	PROD_DEMAND	(4,390,757,667)	(2,177,772,300)	(268,074,901)	(2,206,361)	(1,237,345,972)	(701,925,729)	(3,112,592)	(319,812)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total		(4,390,757,667)	(2,177,772,300)	(268,074,901)	(2,206,361)	(1,237,345,972)	(701,925,729)	(3,112,592)	(319,812)	(0)	(0)	(0)

**TRANSMISSION FUNCTION:**

DPR TRANS RELATED - PROD	(36,728,095)	(18,216,771)	(2,242,410)	(18,456)	(10,350,232)	(5,871,514)	(26,036)	(2,675)	(0)	(0)	(0)
DPR TRANS RELATED - TRANS	(451,883,014)	(224,129,498)	(27,589,428)	(227,072)	(127,343,768)	(72,239,995)	(320,338)	(32,914)	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION RESERVE	PROD_DEMAND	(36,728,095)	(18,216,771)	(2,242,410)	(18,456)	(10,350,232)	(5,871,514)	(26,036)	(2,675)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(451,883,014)	(224,129,498)	(27,589,428)	(227,072)	(127,343,768)	(72,239,995)	(320,338)	(32,914)	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total		(488,611,108)	(242,346,269)	(29,831,839)	(245,528)	(137,694,000)	(78,111,509)	(346,375)	(35,589)	(0)	(0)	(0)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE	DISTRIBUTION FUNCTION:											
	DPR DISTRIBUTION RELATED											
NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)	(212,374)
DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)	(218,424)
DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0	0
DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0	0
CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(503,984)

TOTAL DISTRIBUTION RESERVE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)
	DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)
	DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0
	DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0
	CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)	(503,984)

GENERAL FUNCTION:  
DPR GENERAL RELATED

PROD_DEMAND	(22,326,075)	(11,073,512)	(1,363,104)	(11,219)	(6,291,643)	(3,569,144)	(15,827)	(1,626)	(0)	(0)	(0)	(0)
PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)	(379)
TRANSMISSION	(15,653,242)	(7,702,807)	(948,184)	(7,804)	(4,376,508)	(2,605,799)	(11,009)	(1,131)	0	0	0	0
DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)	(4,750)
DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)	(5,157)
DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0	0
DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0	0
CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)	(2,300)
Total	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)	(12,586)

TOTAL GENERAL RESERVE	PROD_DEMAND	(22,326,075)	(11,073,512)	(1,363,104)	(11,219)	(6,291,643)	(3,569,144)	(15,827)	(1,626)	(0)	(0)	(0)
	PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)
	TRANSMISSION	(15,653,242)	(7,702,807)	(948,184)	(7,804)	(4,376,508)	(2,605,799)	(11,009)	(1,131)	0	0	0
	DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)
	DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)
	DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0
	DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0
	CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)
Total	(124,045,288)	(76,223,390)	(9,195,380)	(209,332)	(20,931,259)	(10,550,394)	(223,051)	(23,985)	(3,411,338)	(3,264,572)	(12,586)	(12,586)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL LIMITED TERM PLT RESERVE												
PROD_DEMAND	(123,992,359)	(61,498,981)	(7,570,274)	(62,306)	(34,941,907)	(19,821,961)	(87,898)	(9,031)	(0)	(0)	(0)	(0)
PROD_ENERGY	(584,196)	(252,473)	(129,555)	(479)	(169,070)	(126,534)	(650)	(72)	(4,057)	(1,289)	(17)	(17)
TRANSMISSION	(18,968,798)	(9,327,761)	(1,148,209)	(9,450)	(5,299,759)	(3,168,917)	(13,332)	(1,370)	0	0	0	0
DIST_SUBS	(9,533,668)	(6,101,947)	(570,660)	(2,249)	(1,829,985)	(911,571)	(58,646)	(331)	(39,922)	(12,688)	(5,669)	(5,669)
DIST_PRIMARY	(9,383,980)	(6,288,908)	(590,209)	(2,318)	(1,892,871)	(488,826)	(60,443)	(341)	(41,145)	(13,076)	(5,843)	(5,843)
DIST_L_XFMR	(8,569,867)	(5,794,437)	(543,608)	(2,136)	(1,738,917)	(385,410)	(55,085)	(314)	(37,910)	(12,048)	0	0
DIST_SEC_SERV	(11,104,741)	(2,362,589)	(220,708)	(871)	(536,172)	0	(7,940)	(128)	(4,178,345)	(3,797,987)	0	0
CUSTOMER	(37,122,302)	(31,261,118)	(4,165,002)	(156,425)	(1,403,604)	(61,084)	0	(27,335)	(15,611)	(0)	(30,140)	(1,984)
Total	(219,259,910)	(122,888,215)	(14,838,225)	(236,234)	(47,812,284)	(24,964,303)	(311,328)	(27,199)	(4,301,380)	(3,867,228)	(13,513)	(13,513)
BOOK DEPRECIATION RESERVE												
PROD_DEMAND	(4,573,804,196)	(2,268,561,565)	(279,250,690)	(2,298,342)	(1,288,929,753)	(731,188,348)	(3,242,353)	(333,145)	(0)	(0)	(0)	(0)
PROD_ENERGY	(13,593,554)	(5,874,756)	(687,711)	(11,144)	(3,934,071)	(2,944,287)	(15,114)	(1,676)	(94,398)	(30,000)	(397)	(397)
TRANSMISSION	(486,505,054)	(241,160,065)	(29,685,822)	(244,326)	(137,020,034)	(78,014,712)	(344,679)	(35,415)	0	0	0	0
DIST_SUBS	(374,643,924)	(239,787,822)	(22,425,177)	(88,389)	(71,912,786)	(35,821,936)	(2,304,597)	(13,014)	(1,568,822)	(498,586)	(222,793)	(222,793)
DIST_PRIMARY	(368,442,828)	(246,924,644)	(23,173,536)	(91,020)	(74,320,029)	(19,188,643)	(2,373,189)	(13,402)	(1,615,514)	(513,426)	(229,424)	(229,424)
DIST_L_XFMR	(337,163,924)	(227,970,316)	(21,387,150)	(84,033)	(68,414,132)	(15,163,190)	(2,167,211)	(12,373)	(1,491,505)	(474,014)	0	0
DIST_SEC_SERV	(436,546,390)	(92,800,637)	(8,669,245)	(34,208)	(21,060,398)	0	(311,893)	(5,037)	(164,404,886)	(149,260,086)	0	0
CUSTOMER	(1,451,359,635)	(1,222,157,257)	(162,830,528)	(6,115,417)	(54,928,952)	(2,395,728)	(1,069,143)	(609,268)	(0)	(1,175,874)	(77,469)	(77,469)
Total	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)	(530,083)
BOOK NET PLANT IN SERVICE												
PROD_DEMAND	5,989,012,442	2,970,490,833	365,655,324	3,009,486	1,687,745,255	957,429,729	4,245,589	436,226	0	0	0	0
PROD_ENERGY	36,173,660	15,633,250	1,830,062	29,655	10,468,915	7,835,010	40,219	4,460	251,200	79,834	1,055	1,055
TRANSMISSION	1,129,432,722	553,464,944	68,129,281	560,731	314,462,453	191,942,993	791,043	81,278	0	0	0	0
DIST_SUBS	437,522,154	280,032,526	26,188,898	103,224	83,982,243	41,834,099	2,691,389	15,199	1,832,124	582,266	260,186	260,186
DIST_PRIMARY	430,971,448	288,822,710	27,105,901	106,464	86,932,226	22,454,069	2,775,871	15,676	1,889,634	600,543	268,353	268,353
DIST_L_XFMR	392,896,622	265,653,472	24,922,415	97,924	79,722,887	17,669,643	2,525,448	14,418	1,738,048	552,368	0	0
DIST_SEC_SERV	509,458,189	108,466,574	10,132,725	39,982	24,615,663	0	364,544	5,887	191,545,235	174,287,578	0	0
CUSTOMER	1,711,061,594	1,440,954,083	191,982,873	7,210,283	64,643,009	2,807,983	1,259,546	720,620	0	1,391,692	91,505	91,505
Total	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099	621,099

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

BOOK PLANT IN SERVICE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	CLS	CLSCLR	CLSCLR	CLSCLR	CLSCLR	CLSCLR	CLSCLR	CLSCLR
PROD_DEMAND	10,562,816,638	5,239,052,398	644,906,015	5,307,828	2,976,675,008	1,688,618,076	7,487,942	769,371	6,136	345,598	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	116,693	345,598	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,615,937,776	794,625,009	97,815,103	805,057	451,482,487	269,957,705	1,135,722	4,995,986	28,213	3,400,946	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,029	77,656,035	4,995,986	28,213	29,078	3,505,148	1,113,969	497,777	0	0	0	0	0	0	0	0
DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	5,149,060	4,692,658	26,791	3,229,553	1,026,382	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	730,060,547	493,623,788	46,309,565	181,957	148,137,019	32,832,832	4,692,658	676,437	10,924	355,950,121	323,547,664	2,567,567	168,974	0	0	0	0	0	0	0
DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	2,567,567	168,974	0	0	0	0	0	0	0	0
CUSTOMER	3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	366,431,366	329,446,269	1,151,182	0	0	0	0	0	0	0	0	0
Total	18,678,588,336	10,468,755,454	1,264,057,338	20,124,630	4,073,092,808	2,126,690,370	26,521,826	2,317,093	366,431,366	329,446,269	1,151,182	0	0	0	0	0	0	0	0	0

PLANT IN SERVICE ADJUSTMENTS:

ADJPLT DSDR TRANSMISSION

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(362,199)	(179,647)	(22,114)	(182)	(102,070)	(57,903)	(257)	(26)	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(362,199)	(179,647)	(22,114)	(182)	(102,070)	(57,903)	(257)	(26)	0	0	0	0	0	0	0	0	0	0	0

ADJPLT DSDR DISTRIBUTION

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(18,241,808)	(11,675,522)	(1,091,905)	(4,304)	(3,501,509)	(1,744,208)	(112,213)	(634)	(76,388)	(24,277)	(10,848)	0	0	0	0	0	0	0	0
DIST_PRIMARY	(17,917,333)	(12,008,167)	(1,126,940)	(4,426)	(3,614,197)	(932,851)	(115,410)	(652)	(78,564)	(24,966)	(11,157)	0	0	0	0	0	0	0	0
DIST_L_XFMR	(16,444,749)	(11,118,967)	(1,043,132)	(4,099)	(3,336,814)	(739,566)	(105,703)	(603)	(72,746)	(23,119)	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(21,267,506)	(4,515,601)	(421,838)	(1,665)	(1,024,781)	0	(15,176)	(245)	(8,019,802)	(7,268,398)	0	0	0	0	0	0	0	0	0
CUSTOMER	(70,142,812)	(59,062,171)	(7,868,923)	(295,533)	(2,658,405)	(116,319)	(51,700)	(29,369)	(8,019,802)	(7,268,398)	(56,652)	(3,738)	0	0	0	0	0	0	0
Total	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(14,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)	(25,744)	0	0	0	0	0	0	0	0

ADJPLT DSDR GENERAL

PROD_DEMAND	(2,285,971)	(1,133,819)	(139,568)	(1,149)	(644,202)	(365,445)	(1,621)	(167)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(1,332,031)	(575,667)	(67,389)	(1,092)	(385,499)	(288,510)	(1,481)	(164)	(9,250)	(2,940)	(131)	(2)	0	0	0	0	0	0	0
TRANSMISSION	(1,602,738)	(788,692)	(97,085)	(799)	(448,111)	(266,808)	(1,127)	(116)	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(817,886)	(523,481)	(48,956)	(193)	(156,993)	(78,203)	(5,031)	(28)	(3,425)	(1,088)	(486)	0	0	0	0	0	0	0	0
DIST_PRIMARY	(848,692)	(568,290)	(53,352)	(209)	(171,149)	(44,772)	(5,462)	(31)	(3,718)	(1,182)	(528)	0	0	0	0	0	0	0	0
DIST_L_XFMR	(681,201)	(460,588)	(43,210)	(170)	(138,223)	(30,635)	(4,379)	(25)	(3,013)	(958)	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(930,197)	(208,417)	(19,470)	(77)	(47,299)	0	(700)	(11)	(329,881)	(324,341)	(3,752)	(235)	0	0	0	0	0	0	0
CUSTOMER	(4,202,305)	(3,545,574)	(472,486)	(17,745)	(151,679)	(5,883)	(3,037)	(1,914)	(349,288)	(334,260)	(1,289)	0	0	0	0	0	0	0	0
Total	(12,701,020)	(7,804,527)	(941,517)	(21,434)	(2,143,155)	(1,080,257)	(22,838)	(2,456)	(349,288)	(334,260)	(1,289)	0	0	0	0	0	0	0	0

ADJPLT DSDR INTANGIBLE

PROD_DEMAND	(12,614,049)	(6,256,443)	(770,143)	(6,339)	(3,554,726)	(2,016,537)	(8,942)	(919)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	(59,432)	(25,685)	(3,007)	(49)	(17,200)	(12,873)	(66)	(7)	(413)	(131)	(2)	0	0	0	0	0	0	0	0
TRANSMISSION	(1,929,743)	(948,936)	(116,810)	(961)	(559,158)	(322,382)	(1,356)	(139)	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(969,884)	(620,766)	(58,055)	(229)	(186,169)	(92,736)	(5,966)	(34)	(4,061)	(1,291)	(577)	0	0	0	0	0	0	0	0
DIST_PRIMARY	(954,655)	(639,786)	(60,043)	(236)	(192,566)	(49,729)	(6,149)	(35)	(4,186)	(1,330)	(594)	0	0	0	0	0	0	0	0
DIST_L_XFMR	(871,834)	(589,482)	(55,303)	(217)	(176,904)	(39,209)	(5,604)	(32)	(3,857)	(1,226)	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(1,129,713)	(240,352)	(22,453)	(89)	(54,546)	0	(808)	(13)	(425,073)	(386,379)	(3,066)	(202)	0	0	0	0	0	0	0
CUSTOMER	(3,776,543)	(3,180,271)	(423,716)	(15,913)	(142,792)	(6,214)	(2,781)	(1,588)	(437,590)	(393,423)	(1,375)	0	0	0	0	0	0	0	0
Total	(22,305,852)	(12,501,722)	(1,509,529)	(24,033)	(4,864,062)	(2,539,680)	(31,672)	(2,767)	(437,590)	(393,423)	(1,375)	0	0	0	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ADJPLT REMOVE JAAR EPIS	COS DETAIL - RATE BASE														
	NC		NC		NC		NC		NC		NC		NC		
ADJPLT ADDITIONS TO EPIS PROD	RETAIL		RES		SGS		SGSCLR		MGS		LGS		SI		
PROD_DEMAND	(771,579,130)	(382,695,604)	(47,108,270)	(387,719)	(217,436,352)	(123,348,015)	(546,970)	(56,200)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(771,579,130)	(382,695,604)	(47,108,270)	(387,719)	(217,436,352)	(123,348,015)	(546,970)	(56,200)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ADJPLT ADDITIONS TO EPIS TRANS	RETAIL		RES		SGS		SGSCLR		MGS		LGS		SI		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	168,807,606	83,726,900	10,306,440	84,826	47,571,154	26,986,322	119,667	12,296	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	168,807,606	83,726,900	10,306,440	84,826	47,571,154	26,986,322	119,667	12,296	0	0	0	0	0	0	0
ADJPLT ADDITIONS TO EPIS DIST	RETAIL		RES		SGS		SGSCLR		MGS		LGS		SI		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	92,819,527	59,408,390	5,555,927	21,899	17,816,680	8,875,028	570,973	3,224	388,682	123,527	55,198	0	0	0	0
DIST_PRIMARY	91,168,508	61,100,982	5,734,195	22,523	18,390,068	4,746,612	587,241	3,316	399,756	127,046	56,771	0	0	0	0
DIST_L_XFMR	83,675,580	56,576,481	5,307,751	20,855	16,978,662	3,763,121	537,847	3,071	370,154	117,638	0	0	0	0	0
DIST_SEC_SERV	108,215,144	22,976,667	2,146,433	8,470	5,214,380	0	77,222	1,247	40,807,041	36,983,684	19,022	0	0	0	0
CUSTOMER	356,906,657	300,525,195	40,039,366	1,503,756	13,526,726	591,864	263,065	149,439	0	288,264	0	0	0	0	0
Total	732,785,417	500,587,715	58,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159	130,990	0	0	0	0
ADJPLT ADDITIONS TO EPIS GEN	RETAIL		RES		SGS		SGSCLR		MGS		LGS		SI		
PROD_DEMAND	10,629,050	5,271,904	648,950	5,341	2,995,340	1,699,206	7,535	774	0	0	0	0	0	0	0
PROD_ENERGY	6,193,526	2,676,670	313,337	5,077	1,792,450	1,341,483	6,886	764	43,010	13,669	181	0	0	0	0
TRANSMISSION	7,452,232	3,667,170	451,414	3,715	2,083,578	1,240,575	5,241	539	0	0	0	0	0	0	0
DIST_SUBS	3,802,913	2,434,024	227,632	897	729,968	363,619	23,393	132	15,925	5,061	2,262	0	0	0	0
DIST_PRIMARY	3,946,153	2,642,370	248,069	974	795,787	208,176	25,396	143	17,288	5,494	2,455	0	0	0	0
DIST_L_XFMR	3,167,371	2,141,589	200,914	789	642,693	142,445	20,359	116	14,011	4,453	0	0	0	0	0
DIST_SEC_SERV	4,325,123	969,075	90,529	357	219,924	0	3,257	53	1,533,844	1,508,083	1,095	0	0	0	0
CUSTOMER	19,539,404	16,485,808	2,196,913	82,508	705,262	27,352	14,123	8,898	0	17,445	0	0	0	0	0
Total	59,055,772	36,288,610	4,377,758	99,659	9,965,003	5,022,856	106,191	11,419	1,624,078	1,554,205	5,992	0	0	0	0



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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ADJPLT ADDITIONS TO EPIS INT

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	14,368,176	7,126,473	877,240	7,220	4,049,052	2,296,959	10,186	1,047	0	0	0
PROD_ENERGY	67,696	29,256	3,425	55	19,592	14,663	75	8	470	149	2
TRANSMISSION	2,198,095	1,080,897	133,054	1,095	614,134	367,213	1,545	159	0	0	0
DIST_SUBS	1,104,757	707,091	66,128	261	212,058	105,632	6,796	38	4,626	1,470	657
DIST_PRIMARY	1,087,411	728,756	68,393	269	219,345	56,645	7,004	40	4,768	1,515	677
DIST_L_XFMR	993,072	671,457	62,993	248	201,505	44,661	6,383	36	4,393	1,396	0
DIST_SEC_SERV	1,286,812	273,776	25,576	101	62,131	0	920	15	484,185	440,109	0
CUSTOMER	4,301,715	3,622,524	482,638	18,126	162,649	7,078	3,168	1,809	0	3,493	230
Total	25,407,735	14,240,228	1,719,447	27,375	5,540,465	2,892,852	36,077	3,152	498,442	448,133	1,566

ADJPLT REMOVE ASHEVILLE CWIP IN R/PROD\_DEMAND

PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(102,930,389)	(51,052,453)	(6,284,349)	(51,723)	(29,006,498)	(16,454,902)	(72,967)	(7,497)	(0)	(0)	(0)

ADJPLT PLANT RETIREMENT - PROD

PROD_DEMAND	(287,052,397)	(142,375,145)	(17,525,801)	(144,244)	(80,893,357)	(45,889,452)	(203,490)	(20,908)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(287,052,397)	(142,375,145)	(17,525,801)	(144,244)	(80,893,357)	(45,889,452)	(203,490)	(20,908)	(0)	(0)	(0)

EPIS ADJUSTMENTS

PROD_DEMAND	(291,585,121)	(144,623,331)	(17,802,543)	(146,522)	(82,170,710)	(46,614,073)	(206,704)	(21,238)	(0)	(0)	(0)
PROD_ENERGY	4,869,760	2,104,575	246,366	3,992	1,409,343	1,054,762	5,414	600	33,817	10,747	142
TRANSMISSION	174,563,253	86,557,691	10,654,899	87,694	49,179,527	27,947,017	123,713	12,711	0	0	0
DIST_SUBS	77,697,620	49,729,735	4,650,770	18,331	14,914,034	7,429,132	477,952	2,699	325,359	103,402	46,205
DIST_PRIMARY	76,481,391	51,255,865	4,810,321	18,894	15,427,288	3,984,080	492,619	2,782	335,344	106,575	47,623
DIST_L_XFMR	69,838,239	47,220,489	4,430,014	17,406	14,170,919	3,140,818	448,904	2,563	308,942	98,185	0
DIST_SEC_SERV	90,499,664	19,255,148	1,798,776	7,098	4,369,809	0	64,714	1,045	34,050,314	30,952,759	0
CUSTOMER	302,626,116	254,845,511	33,953,753	1,275,199	11,441,760	497,879	222,838	127,275	0	245,731	16,171
Total	504,990,922	366,345,684	42,742,357	1,282,092	28,741,970	(2,560,384)	1,629,451	128,437	35,053,775	31,517,399	110,141

ADJ PLANT IN SERVICE

PROD_DEMAND	10,271,231,517	5,094,429,067	627,103,472	5,161,307	2,894,504,298	1,642,004,003	7,281,238	748,132	0	0	0
PROD_ENERGY	54,636,973	23,612,580	2,764,139	44,792	15,812,330	11,834,059	60,746	6,737	379,415	120,582	1,594
TRANSMISSION	1,790,501,029	881,182,701	108,470,002	892,750	500,662,014	297,904,723	1,259,435	129,404	0	0	0
DIST_SUBS	889,863,698	569,550,083	53,264,845	209,945	170,809,063	85,085,167	5,473,938	30,912	3,726,305	1,184,255	529,185
DIST_PRIMARY	875,895,667	587,003,220	55,089,758	216,378	176,679,543	45,626,793	5,641,679	31,859	3,840,492	1,220,544	545,401
DIST_L_XFMR	799,898,786	540,844,277	50,739,579	199,363	162,307,937	35,973,650	5,141,562	29,354	3,538,495	1,124,567	0
DIST_SEC_SERV	1,036,504,244	220,522,360	20,600,747	81,288	50,045,871	0	741,152	11,969	390,000,434	354,500,423	0
CUSTOMER	3,465,047,345	2,917,956,851	388,767,154	14,600,899	131,013,721	5,701,590	2,551,526	1,457,162	0	2,813,297	185,145
Total	19,183,579,258	10,835,101,138	1,306,799,696	21,406,721	4,101,834,777	2,124,129,985	28,151,277	2,445,530	401,485,141	360,963,668	1,261,324

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COS DETAIL - RATE BASE

BOOK DEPRECIATION RESERVE	NC		NC		NC		NC		NC		NC		NC		NC		NC				
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL									
PROD_DEMAND	(4,573,804,196)	(2,268,561,565)	(279,250,690)	(2,298,342)	(1,288,929,753)	(731,188,348)	(3,242,353)	(333,145)	(0)	(0)	(0)	(0)									
PROD_ENERGY	(13,593,554)	(5,874,756)	(687,711)	(11,144)	(3,934,071)	(2,944,287)	(15,114)	(1,676)	(94,398)	(30,000)	(397)										
TRANSMISSION	(486,505,054)	(241,160,065)	(29,685,822)	(244,326)	(137,020,034)	(78,014,712)	(344,679)	(35,415)	(1,568,822)	0	(498,586)	(222,793)									
DIST_SUBS	(374,643,924)	(239,787,822)	(22,425,177)	(88,389)	(71,912,786)	(35,821,936)	(2,304,597)	(13,014)	(13,402)	(1,615,514)	(513,426)	(229,424)									
DIST_PRIMARY	(368,442,828)	(246,924,644)	(23,173,536)	(91,020)	(74,320,029)	(19,188,643)	(2,373,189)	(12,373)	(1,491,505)	(474,014)	0										
DIST_L_XFMR	(337,163,924)	(227,970,316)	(21,387,150)	(84,033)	(68,414,132)	(15,163,190)	(2,167,211)	(5,037)	(164,404,886)	(149,260,086)	0										
DIST_SEC_SERV	(436,546,390)	(92,800,637)	(8,669,245)	(34,208)	(21,060,398)	0	(311,893)	(609,268)	(0)	(1,175,874)	(77,469)										
CUSTOMER	(1,451,359,635)	(1,222,157,257)	(162,830,528)	(6,115,417)	(54,928,952)	(2,395,728)	(1,069,143)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)										
Total	(8,042,059,505)	(4,545,237,062)	(548,109,860)	(8,966,879)	(1,720,520,156)	(884,716,844)	(11,828,179)	(1,023,330)	(169,175,125)	(151,951,987)	(530,083)										

DEPRECIATION RESERVE ADJUSTMENTS:

ADIDPR DSDR Trans

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0						
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0						
TRANSMISSION	60,165	29,841	3,673	30	16,955	9,618	43	4	0	0	0	0						
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0						
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0						
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0						
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0						
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0						
Total	60,165	29,841	3,673	30	16,955	9,618	43	4	0	0	0	0						

ADIDPR DSDR Dist

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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ADIDPR DSDR Gen

PROD_DEMAND	651,651	323,212	39,786	327	183,640	104,176	462	47	0	0	0	
PROD_ENERGY	379,716	164,103	19,210	311	109,892	82,244	422	47	2,637	838	11	
TRANSMISSION	456,885	224,829	27,675	228	127,741	76,058	321	33	0	0	0	
DIST_SUBS	233,151	149,226	13,956	55	44,753	22,293	1,434	8	976	310	139	
DIST_PRIMARY	241,933	162,000	15,209	60	48,788	12,763	1,557	9	1,060	337	151	
DIST_L_XFMR	194,187	131,298	12,318	48	39,403	8,733	1,248	7	859	273	0	
DIST_SEC_SERV	265,167	59,413	5,550	22	13,483	0	200	3	94,038	92,458	0	
CUSTOMER	1,197,931	1,010,720	134,689	5,058	43,239	1,677	866	546	0	1,070	67	

ADIDPR DSDR INT

PROD_DEMAND	12,455,988	6,178,047	760,492	6,259	3,510,184	1,991,269	8,830	907	0	0	0						
PROD_ENERGY	58,687	25,363	2,969	48	16,984	12,711	65	7	408	130	2						
TRANSMISSION	1,905,562	937,045	115,346	949	532,402	318,342	1,339	138	0	0	0						
DIST_SUBS	957,730	612,988	57,327	226	183,836	91,574	5,891	33	4,010	1,275	570						
DIST_PRIMARY	942,693	631,769	59,291	233	190,153	49,106	6,072	34	4,133	1,314	587						
DIST_L_XFMR	860,909	582,096	54,610	215	174,688	38,717	5,534	32	3,808	1,210	0						
DIST_SEC_SERV	1,115,557	237,340	22,172	87	53,863	0	798	13	419,747	381,537	0						
CUSTOMER	3,729,221	3,140,420	418,407	15,714	141,003	6,136	2,746	1,568	0	3,028	199						
Total	22,026,348	12,345,068	1,490,614	23,732	4,803,112	2,507,857	31,275	2,732	432,107	388,493	1,358						

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ADIDPR YE DEPR RES- JAAR	PROD_DEMAND	94,576,975	46,909,243	5,774,337	47,525	26,652,448	15,119,489	67,045	6,889	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	94,576,975	46,909,243	5,774,337	47,525	26,652,448	15,119,489	67,045	6,889	0	0	0
	PROD_DEMAND	(226,207,584)	(112,196,720)	(13,810,959)	(113,670)	(63,746,866)	(36,162,534)	(160,358)	(16,476)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
ADIDPR ADDITIONS TO EPIS- PROD	TRANSMISSION	(15,529,281)	(7,702,370)	(948,130)	(7,803)	(4,376,259)	(2,482,579)	(11,009)	(1,131)	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(226,207,584)	(112,196,720)	(13,810,959)	(113,670)	(63,746,866)	(36,162,534)	(160,358)	(16,476)	(0)	(0)	(0)
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(15,529,281)	(7,702,370)	(948,130)	(7,803)	(4,376,259)	(2,482,579)	(11,009)	(1,131)	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
ADIDPR ADDITIONS TO EPIS- TRANS	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(15,529,281)	(7,702,370)	(948,130)	(7,803)	(4,376,259)	(2,482,579)	(11,009)	(1,131)	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	(16,068,220)	(10,284,335)	(961,800)	(3,791)	(3,084,290)	(1,536,378)	(98,843)	(558)	(67,286)	(21,384)	(9,555)
	DIST_PRIMARY	(15,782,409)	(10,577,344)	(992,661)	(3,899)	(3,183,551)	(821,698)	(101,659)	(574)	(69,203)	(21,993)	(9,828)
	DIST_L_XFMR	(14,485,289)	(9,794,096)	(918,838)	(3,610)	(2,939,219)	(651,443)	(93,108)	(532)	(64,078)	(20,365)	0
ADIDPR ADDITIONS TO EPIS- GEN	DIST_SEC_SERV	(18,733,394)	(3,977,548)	(371,574)	(1,466)	(902,674)	0	(13,368)	(216)	(7,064,209)	(6,402,338)	0
	CUSTOMER	(61,785,004)	(52,024,668)	(6,931,308)	(260,319)	(2,341,645)	(102,459)	(45,540)	(25,870)	0	(49,902)	(3,293)
	Total	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)
	PROD_DEMAND	4,201,071	2,083,689	256,494	2,111	1,183,891	671,602	2,978	306	0	0	0
	PROD_ENERGY	2,447,955	1,057,938	123,844	2,007	708,456	530,213	2,722	302	16,999	5,403	71
	TRANSMISSION	2,945,452	1,449,428	178,419	1,468	823,522	490,330	2,072	213	0	0	0
	DIST_SUBS	1,503,079	962,034	89,970	355	288,516	143,718	9,246	52	6,294	2,000	894
	DIST_PRIMARY	1,559,694	1,044,382	98,048	385	314,530	82,280	10,038	57	6,833	2,172	970
	DIST_L_XFMR	1,251,885	846,451	79,410	312	254,021	56,301	8,047	46	5,538	1,760	0
	DIST_SEC_SERV	1,709,480	383,021	35,781	141	86,924	0	1,287	21	606,243	596,061	0
	CUSTOMER	7,722,836	6,515,920	868,317	32,611	278,751	10,811	5,582	3,517	0	6,895	433
	Total	23,341,452	14,342,863	1,730,284	39,390	3,938,610	1,985,255	41,971	4,513	641,907	614,291	2,368

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL								
ADIDPR ADDITIONS TO EPIS- INT	PROD_DEMAND	(21,615,282)	(10,720,966)	(1,319,707)	(10,862)	(6,091,336)	(3,455,514)	(15,323)	(1,574)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	PROD_ENERGY	(101,841)	(44,013)	(5,152)	(83)	(29,474)	(22,058)	(113)	(13)	(707)	(225)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
	TRANSMISSION	(3,306,784)	(1,626,086)	(200,165)	(1,647)	(923,894)	(552,430)	(2,324)	(239)	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	(1,661,981)	(1,063,737)	(99,482)	(392)	(319,017)	(158,912)	(10,224)	(58)	(6,960)	(2,212)	(988)	(988)	(988)	(988)	(988)	(988)	(988)	(988)	(988)
	DIST_PRIMARY	(1,635,886)	(1,096,330)	(102,890)	(404)	(329,980)	(85,216)	(10,537)	(60)	(7,173)	(2,280)	(1,019)	(1,019)	(1,019)	(1,019)	(1,019)	(1,019)	(1,019)	(1,019)	(1,019)
	DIST_L_XFMR	(1,493,964)	(1,010,130)	(94,766)	(372)	(303,141)	(67,188)	(9,603)	(1,384)	(55)	(6,609)	(2,100)	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	(1,935,862)	(411,864)	(38,476)	(152)	(93,469)	0	(1,384)	(22)	(12)	(728,401)	(662,094)	0	0	0	0	0	0	0	0
	CUSTOMER	(6,471,439)	(5,449,674)	(726,074)	(27,269)	(244,687)	(10,649)	(4,765)	(2,721)	(2,721)	(0)	(5,254)	(346)	(346)	(346)	(346)	(346)	(346)	(346)	(346)
	Total	(38,223,039)	(21,422,799)	(2,586,711)	(41,182)	(8,334,997)	(4,351,965)	(54,273)	(4,742)	(749,849)	(674,164)	(2,356)	(2,356)	(2,356)	(2,356)	(2,356)	(2,356)	(2,356)	(2,356)	(2,356)
ADIDPR YE DEPR RES-MERGER TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	347,209	172,212	21,199	174	97,846	55,506	246	25	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	347,209	172,212	21,199	174	97,846	55,506	246	25	0	0	0	0	0	0	0	0	0	0	0
ADIDPR NEW RATES - PROD	PROD_DEMAND	(77,578,786)	(38,478,309)	(4,736,523)	(38,983)	(21,862,240)	(12,402,084)	(54,995)	(5,651)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(77,578,786)	(38,478,309)	(4,736,523)	(38,983)	(21,862,240)	(12,402,084)	(54,995)	(5,651)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ADIDPR NEW RATES - TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(5,080,519)	(2,519,887)	(310,188)	(2,553)	(1,431,726)	(812,194)	(3,602)	(370)	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(5,080,519)	(2,519,887)	(310,188)	(2,553)	(1,431,726)	(812,194)	(3,602)	(370)	0	0	0	0	0	0	0	0	0	0	0
ADIDPR NEW RATES - DIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	468,194	299,664	28,025	110	89,870	44,767	2,880	16	1,961	623	278	278	278	278	278	278	278	278	278
	DIST_PRIMARY	459,866	308,202	28,924	114	82,762	23,943	2,962	17	2,016	641	286	286	286	286	286	286	286	286	286
	DIST_L_XFMR	422,071	285,379	26,773	105	85,643	18,982	2,713	15	1,867	593	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	545,852	115,897	10,827	43	26,302	0	390	6	205,836	186,551	0	0	0	0	0	0	0	0	0
	CUSTOMER	1,800,285	1,515,890	201,964	7,585	68,231	2,985	1,327	754	0	1,454	96	96	96	96	96	96	96	96	96
	Total	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661	661	661	661	661	661	661	661	661

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE												
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SLS	NC SFL	
ADIDPR NEW RATES - GEN												
PROD_DEMAND	(1,757,518)	(871,711)	(107,304)	(883)	(495,281)	(280,964)	(1,246)	(128)	(0)	(0)	(0)	
PROD_ENERGY	(1,024,102)	(442,588)	(51,810)	(840)	(296,382)	(221,815)	(1,139)	(126)	(7,112)	(2,260)	(30)	
TRANSMISSION	(1,232,230)	(606,368)	(74,641)	(614)	(344,520)	(205,130)	(867)	(89)	(0)	(0)	(0)	
DIST_SUBS	(628,813)	(402,467)	(37,639)	(148)	(120,701)	(60,125)	(3,868)	(22)	(2,633)	(837)	(374)	
DIST_PRIMARY	(652,498)	(436,917)	(41,018)	(161)	(131,584)	(34,422)	(4,199)	(24)	(2,859)	(908)	(406)	
DIST_L_XFMR	(523,726)	(354,113)	(33,221)	(131)	(106,270)	(23,553)	(3,366)	(19)	(2,317)	(736)	(0)	
DIST_SEC_SERV	(715,161)	(160,237)	(14,969)	(59)	(36,365)	(0)	(539)	(9)	(253,622)	(249,362)	(0)	
CUSTOMER	(3,230,849)	(2,725,935)	(363,261)	(13,643)	(116,615)	(4,523)	(2,335)	(1,471)	(0)	(2,884)	(181)	
Total	(9,764,896)	(6,000,337)	(723,864)	(16,479)	(1,647,717)	(830,531)	(17,559)	(1,888)	(268,542)	(256,988)	(991)	
ADIDPR PLANT RETIREMENT - PROD												
PROD_DEMAND	210,671,327	104,490,891	12,862,403	105,863	59,368,641	33,678,840	149,344	15,345	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	210,671,327	104,490,891	12,862,403	105,863	59,368,641	33,678,840	149,344	15,345	0	0	0	
TOTAL DEPR RESERVE ADJUSTS												
PROD_DEMAND	(4,602,158)	(2,282,625)	(280,982)	(2,313)	(1,296,920)	(735,721)	(3,262)	(335)	(0)	(0)	(0)	
PROD_ENERGY	1,760,414	760,802	89,061	1,443	509,476	381,296	1,957	217	12,225	3,885	51	
TRANSMISSION	(19,433,541)	(9,641,355)	(1,186,812)	(9,768)	(5,477,933)	(3,102,477)	(13,780)	(1,416)	(0)	(0)	(0)	
DIST_SUBS	(10,326,538)	(6,609,417)	(618,119)	(2,436)	(1,982,176)	(987,382)	(63,523)	(359)	(43,242)	(13,743)	(6,141)	
DIST_PRIMARY	(10,082,915)	(6,758,217)	(634,219)	(2,491)	(2,033,937)	(524,185)	(64,953)	(367)	(44,216)	(14,052)	(6,279)	
DIST_L_XFMR	(9,383,396)	(6,344,498)	(595,212)	(2,339)	(1,903,991)	(421,997)	(60,314)	(344)	(41,509)	(13,192)	(0)	
DIST_SEC_SERV	(12,070,219)	(2,548,372)	(238,064)	(939)	(578,334)	(0)	(8,565)	(138)	(4,579,186)	(4,116,621)	(0)	
CUSTOMER	(38,309,814)	(32,248,508)	(4,296,368)	(161,359)	(1,461,966)	(64,965)	(28,316)	(15,837)	(0)	(30,469)	(2,027)	
Total	(102,448,167)	(65,672,190)	(7,760,713)	(180,202)	(14,225,780)	(5,455,432)	(240,757)	(18,579)	(4,695,929)	(4,184,191)	(14,395)	
ADI DEPRECIATION RESERVE												
PROD_DEMAND	(4,578,406,354)	(2,270,844,189)	(279,531,672)	(2,300,655)	(1,290,226,673)	(731,924,069)	(3,245,615)	(333,480)	(0)	(0)	(0)	
PROD_ENERGY	(11,833,139)	(5,113,954)	(598,650)	(9,701)	(3,424,595)	(2,562,991)	(13,156)	(1,459)	(82,173)	(26,115)	(345)	
TRANSMISSION	(505,938,594)	(250,801,420)	(30,872,633)	(254,094)	(142,497,968)	(81,117,189)	(358,459)	(36,831)	(0)	(0)	(0)	
DIST_SUBS	(384,970,462)	(246,397,239)	(23,043,295)	(90,826)	(73,894,962)	(36,809,318)	(2,368,121)	(13,373)	(1,612,064)	(512,329)	(228,934)	
DIST_PRIMARY	(378,525,743)	(253,682,861)	(23,807,755)	(93,511)	(76,353,966)	(19,712,828)	(2,438,142)	(13,769)	(1,659,730)	(527,478)	(235,704)	
DIST_L_XFMR	(346,547,320)	(234,314,814)	(21,982,363)	(86,372)	(70,318,122)	(15,585,187)	(2,227,525)	(12,717)	(1,533,014)	(487,206)	(0)	
DIST_SEC_SERV	(448,616,610)	(95,349,010)	(8,907,309)	(35,147)	(21,638,732)	(0)	(320,458)	(5,175)	(168,984,072)	(153,376,706)	(0)	
CUSTOMER	(1,489,669,449)	(1,254,405,764)	(167,126,886)	(6,276,776)	(56,390,918)	(2,460,693)	(1,097,459)	(625,104)	(0)	(1,206,343)	(79,496)	
Total	(8,144,507,672)	(4,610,909,251)	(555,870,573)	(9,147,081)	(1,734,745,936)	(890,172,276)	(12,068,936)	(1,041,909)	(173,871,053)	(156,136,178)	(544,479)	
BOOK NET PLANT IN SERVICE												
PROD_DEMAND	5,989,012,442	2,970,490,833	365,655,324	3,009,486	1,687,745,255	957,429,729	4,245,589	436,226	0	0	0	
PROD_ENERGY	36,173,660	15,633,250	1,830,062	29,655	10,468,915	7,835,010	40,219	4,460	251,200	79,834	1,055	
TRANSMISSION	1,129,432,722	553,464,944	68,129,281	560,731	314,462,453	191,942,993	791,043	81,278	0	0	0	
DIST_SUBS	437,522,154	280,032,526	26,188,898	103,224	83,982,243	41,834,099	2,691,389	15,199	1,832,124	582,266	260,186	
DIST_PRIMARY	430,971,448	288,822,710	27,105,901	106,464	86,932,226	22,454,069	2,775,871	15,676	1,889,634	600,543	268,353	
DIST_L_XFMR	392,896,622	265,653,472	24,922,415	97,924	79,722,887	17,669,643	2,525,448	14,418	1,738,048	552,368	(0)	
DIST_SEC_SERV	509,458,189	108,466,574	10,132,725	39,982	24,615,663	(0)	364,544	5,887	191,545,235	174,287,578	(0)	
CUSTOMER	1,711,061,594	1,440,954,083	191,982,873	7,210,283	64,643,009	2,807,983	1,259,546	720,620	0	1,391,692	91,505	
Total	10,636,528,831	5,923,518,392	715,947,478	11,157,750	2,352,572,651	1,241,973,526	14,693,647	1,293,763	197,256,242	177,494,282	621,099	



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COS DETAIL - RATE BASE											
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SLS	NC SFL
ADJ NET PLANT IN SERV	PROD_DEMAND	5,692,825,163	2,823,584,877	347,571,800	2,860,652	1,604,277,625	910,079,935	4,035,623	414,652	0	0
	PROD_ENERGY	42,803,834	18,498,627	2,165,489	35,091	12,387,735	9,271,068	47,590	5,278	297,242	94,466
	TRANSMISSION	1,284,562,434	630,381,281	77,597,368	638,657	358,164,046	216,787,533	900,976	92,573	0	0
	DIST_SUBS	504,893,236	323,152,844	30,221,550	119,119	96,914,102	48,275,849	3,105,818	17,539	2,114,241	671,926
	DIST_PRIMARY	497,369,924	333,320,359	31,282,003	122,867	100,325,577	25,913,965	3,203,537	18,091	2,180,762	693,067
	DIST_L_XFMR	453,351,466	306,529,463	28,757,217	112,991	91,989,815	20,388,463	2,914,037	16,637	2,005,481	637,361
	DIST_SEC_SERV	587,887,634	125,173,350	11,693,438	46,141	28,407,139	0	420,694	6,794	221,016,362	201,123,717
	CUSTOMER	1,975,377,896	1,663,551,086	221,640,258	8,324,123	74,622,803	3,240,897	1,454,067	832,058	0	1,606,954
	Total	11,039,071,586	6,224,191,887	750,929,123	12,259,640	2,367,088,841	1,233,957,710	16,082,342	1,403,621	227,614,088	204,827,490
										716,845	

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COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PLANT HELD FOR FUTURE USE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
BOOK NUCLEAR FUEL INVENTORY												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	0
ADINUC NUC FUEL - JAAR												
PROD_DEMAND	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)	(0)
ADI NUCLEAR FUEL INVENTORY												
PROD_DEMAND	(27,363,046)	(13,571,800)	(1,670,633)	(13,750)	(7,711,096)	(4,374,376)	(19,398)	(1,993)	(0)	(0)	(0)	(0)
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	202,889,276	85,936,851	9,978,062	175,011	58,925,568	45,496,974	236,601	26,397	1,598,938	508,158	6,716	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ACCUM DEFERRED INCOME TAXES:

DFTR NC CLEAN AIR

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SIS	NC SFL
PROD_DEMAND	17,880,376	8,868,489	1,091,675	8,985	5,038,814	2,858,435	12,675	1,302	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	17,880,376	8,868,489	1,091,675	8,985	5,038,814	2,858,435	12,675	1,302	0	0	0

DFTR ALL PLANT RELATED

PROD_DEMAND	(958,473,611)	(475,393,415)	(58,518,993)	(481,634)	(270,104,513)	(153,225,784)	(679,458)	(69,813)	(0)	(0)	(0)
PROD_ENERGY	(5,789,185)	(2,501,925)	(292,881)	(4,746)	(1,675,431)	(1,253,905)	(6,437)	(714)	(40,202)	(12,776)	(169)
TRANSMISSION	(180,752,915)	(88,575,796)	(10,903,320)	(89,739)	(50,326,154)	(30,718,302)	(126,597)	(13,008)	0	0	0
DIST_SUBS	(70,020,465)	(44,816,034)	(4,191,237)	(16,520)	(13,440,407)	(6,695,074)	(430,726)	(2,432)	(293,211)	(93,185)	(41,640)
DIST_PRIMARY	(68,972,099)	(46,222,804)	(4,337,992)	(17,038)	(13,912,518)	(3,593,519)	(444,247)	(2,509)	(302,415)	(96,110)	(42,947)
DIST_L_XFMR	(62,878,655)	(42,514,829)	(3,988,550)	(15,672)	(12,758,745)	(2,827,826)	(404,169)	(2,307)	(278,155)	(88,400)	0
DIST_SEC_SERV	(81,533,013)	(17,358,847)	(1,621,628)	(6,399)	(3,939,458)	0	(58,341)	(942)	(30,654,645)	(27,892,753)	0
CUSTOMER	(273,836,029)	(230,608,381)	(30,724,684)	(1,153,924)	(10,345,381)	(449,386)	(201,576)	(115,327)	(0)	(222,725)	(14,644)
Total	(1,702,255,973)	(947,992,030)	(114,579,285)	(1,785,672)	(376,502,608)	(198,763,797)	(2,351,552)	(207,052)	(31,568,627)	(28,405,950)	(99,400)

DFTR TRANSMISSION RELATED

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

NC RETAIL - HARRIS ACCELERATED DEPR UNWIND

PROD_DEMAND	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	79,100,913	39,233,269	4,829,456	39,748	22,291,186	12,645,418	56,074	5,762	0	0	0

SC RETAIL - HARRIS ACCELERATED DEPR UNWIND

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SIS	NC SFL
DFTR EDIT NC RETAIL - FED TAX CHANGE												
PROD_DEMAND	153,516,710	76,142,767	9,372,865	77,142	43,262,074	24,541,853	108,827	11,182	0	0	0	0
PROD_ENERGY	927,242	400,728	46,910	760	268,350	200,835	1,031	114	6,439	2,046	27	27
TRANSMISSION	28,950,816	14,187,000	1,746,362	14,373	8,060,635	4,920,086	20,277	2,083	0	0	0	0
DIST_SUBS	11,215,031	7,178,090	671,302	2,646	2,152,722	1,072,336	68,989	390	46,963	14,925	6,669	6,669
DIST_PRIMARY	11,047,117	7,403,410	694,807	2,729	2,228,339	575,566	71,154	402	48,437	15,394	6,879	6,879
DIST_L_XFMR	10,071,142	6,809,511	638,838	2,510	2,043,541	452,927	64,735	370	44,551	14,159	0	0
DIST_SEC_SERV	13,058,972	2,780,330	259,733	1,025	630,975	0	9,344	151	4,909,890	4,467,524	2,346	2,346
CUSTOMER	43,859,743	36,936,061	4,921,108	184,822	1,656,998	71,977	32,286	18,472	0	35,673	0	0
Total	272,646,772	151,837,897	18,351,924	286,007	60,303,634	31,835,581	376,643	33,163	5,056,281	4,549,721	15,921	15,921
DFTR EDIT SC RETAIL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
BOOK ACCUM DEFERRED INC TAX												
PROD_DEMAND	(707,975,612)	(351,148,889)	(43,224,998)	(355,759)	(199,512,439)	(113,180,078)	(501,881)	(51,567)	(0)	(0)	(0)	(0)
PROD_ENERGY	(4,861,943)	(2,101,197)	(245,971)	(3,986)	(1,407,081)	(1,053,069)	(5,406)	(599)	(33,763)	(10,730)	(142)	(142)
TRANSMISSION	(151,802,100)	(74,388,796)	(9,156,958)	(75,365)	(42,265,519)	(25,798,216)	(106,321)	(10,924)	0	0	0	0
DIST_SUBS	(58,805,434)	(37,637,944)	(3,519,935)	(13,874)	(11,287,685)	(5,622,738)	(361,738)	(2,043)	(246,248)	(78,260)	(34,970)	(34,970)
DIST_PRIMARY	(57,924,983)	(38,819,394)	(3,643,185)	(14,309)	(11,684,179)	(3,017,953)	(373,093)	(2,107)	(253,977)	(80,716)	(36,068)	(36,068)
DIST_L_XFMR	(52,807,512)	(35,705,318)	(3,349,712)	(13,162)	(10,715,204)	(2,374,899)	(339,434)	(1,938)	(233,603)	(74,241)	0	0
DIST_SEC_SERV	(68,474,041)	(14,578,517)	(1,361,895)	(5,374)	(3,308,483)	0	(48,997)	(791)	(25,744,755)	(23,425,229)	0	0
CUSTOMER	(229,976,286)	(193,672,320)	(25,803,576)	(969,103)	(8,688,383)	(377,409)	(169,290)	(96,855)	(0)	(187,051)	(12,299)	(12,299)
Total	(1,332,627,911)	(748,052,375)	(90,306,231)	(1,450,931)	(288,868,974)	(151,424,363)	(1,906,159)	(166,825)	(26,512,347)	(23,856,228)	(83,479)	(83,479)

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

ACCUM DEF TAX ADJUSTMENTS:

ADDIFTR REMOVE DSM

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	25,460,044	15,897,782	1,851,813	30,319	7,193,916	387,723	38,829	4,565	41,087	13,841	170
PROD_ENERGY	25,460,044	15,897,782	1,851,813	30,319	7,193,916	387,723	38,829	4,565	41,087	13,841	170
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	50,920,087	31,795,563	3,703,625	60,637	14,387,832	775,446	77,659	9,129	82,174	27,683	339

ADDIFTR REMOVE REPS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)

ADDIFTR REMOVE JAAR: PLANT REL

PROD_DEMAND	24,251,302	12,028,405	1,480,648	12,186	6,834,185	3,876,919	17,192	1,766	0	0	0
PROD_ENERGY	146,478	63,304	7,410	120	42,392	31,726	163	18	1,017	323	4
TRANSMISSION	4,573,411	2,241,145	275,876	2,271	1,273,352	777,235	3,203	329	0	0	0
DIST_SUBS	1,771,658	1,133,935	106,047	418	340,069	169,399	10,898	62	7,419	2,358	1,054
DIST_PRIMARY	1,745,132	1,169,529	109,760	431	352,015	90,923	11,240	63	7,652	2,432	1,087
DIST_L_XFMR	1,590,956	1,075,710	100,918	397	322,822	71,550	10,226	58	7,038	2,237	0
DIST_SEC_SERV	2,062,949	439,214	41,030	162	99,676	0	1,476	24	775,624	705,743	0
CUSTOMER	6,928,600	5,834,854	777,396	29,197	261,759	11,370	5,100	2,918	0	5,635	371
Total	43,070,485	23,986,097	2,899,085	45,181	9,526,270	5,029,122	59,499	5,239	798,749	718,727	2,515

ADDIFTR REMOVE DSDR - TRANS PLANT

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	46,094	22,862	2,814	23	12,990	7,369	33	3	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	46,094	22,862	2,814	23	12,990	7,369	33	3	0	0	0

ADDIFTR REMOVE DSDR - DISTR PLANT

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	2,286,087	1,463,192	136,839	539	438,814	218,586	14,063	79	9,573	3,042	1,359
DIST_PRIMARY	2,245,424	1,504,879	141,230	555	452,936	116,906	14,463	82	9,846	3,129	1,398
DIST_L_XFMR	2,060,877	1,393,444	130,727	514	418,174	92,683	13,247	76	9,117	2,897	0
DIST_SEC_SERV	2,665,272	565,901	52,865	209	128,427	0	1,902	31	1,005,052	910,885	0
CUSTOMER	8,790,389	7,401,749	986,144	37,037	333,155	14,577	6,479	3,681	0	7,100	468
Total	18,048,049	12,329,164	1,447,804	38,853	1,771,505	442,753	50,154	3,948	1,033,587	927,054	3,226



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE																
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
ADIDFTR REMOVE DSDR - GEN PLANT																
PROD_DEMAND	286,481	142,092	17,491	144	80,732	45,798	203	21	0	0	0					
PROD_ENERGY	166,932	72,143	8,445	137	48,311	36,156	186	21	1,159	368	5					
TRANSMISSION	200,857	98,840	12,167	100	56,158	33,437	141	15	0	0	0					
DIST_SUBS	102,499	65,603	6,135	24	19,675	9,800	631	4	429	136	61					
DIST_PRIMARY	106,359	71,219	6,686	26	21,449	5,611	684	4	466	148	66					
DIST_L_XFMR	85,369	57,721	5,415	21	17,322	3,839	549	3	378	120	0					
DIST_SEC_SERV	116,573	26,119	2,440	10	5,928	0	88	1	41,341	40,647	0					
CUSTOMER	526,638	444,336	59,213	2,224	19,009	737	381	240	0	470	30					
Total	1,591,708	978,074	117,992	2,686	268,583	135,379	2,862	308	43,773	41,890	162					
ADIDFTR REMOVE DSDR - INTANG PLANT																
PROD_DEMAND	1,580,809	784,066	96,515	794	445,483	252,715	1,121	115	0	0	0					
PROD_ENERGY	7,448	3,219	377	6	2,156	1,613	8	1	52	16	0					
TRANSMISSION	241,838	118,922	14,639	120	67,568	40,401	170	17	0	0	0					
DIST_SUBS	121,547	77,795	7,275	29	23,331	11,622	748	4	509	162	72					
DIST_PRIMARY	119,639	80,179	7,525	30	24,133	6,232	771	4	525	167	74					
DIST_L_XFMR	109,259	73,875	6,931	27	22,170	4,914	702	4	483	154	0					
DIST_SEC_SERV	141,577	30,121	2,814	11	6,836	0	101	2	53,271	48,421	0					
CUSTOMER	473,281	398,556	53,101	1,994	17,895	779	349	199	0	384	25					
Total	2,795,399	1,566,732	189,176	3,012	609,571	318,276	3,969	347	54,839	49,304	172					
ADIDFTR ADDITIONS TO EPIS - PROD																
PROD_DEMAND	(22,312,384)	(11,066,721)	(1,362,268)	(11,212)	(6,287,785)	(3,566,955)	(15,817)	(1,625)	(0)	(0)	(0)					
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0					
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0					
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0					
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0					
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0					
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0					
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0					
Total	(22,312,384)	(11,066,721)	(1,362,268)	(11,212)	(6,287,785)	(3,566,955)	(15,817)	(1,625)	(0)	(0)	(0)					
ADIDFTR ADDITIONS TO EPIS - TRANS																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0					
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0					
TRANSMISSION	(1,233,456)	(611,782)	(75,308)	(620)	(347,596)	(197,186)	(874)	(90)	0	0	0					
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0					
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0					
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0					
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0					
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0					
Total	(1,233,456)	(611,782)	(75,308)	(620)	(347,596)	(197,186)	(874)	(90)	0	0	0					
ADIDFTR ADDITIONS TO EPIS - DIST																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0					
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0					
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0					
DIST_SUBS	(775,943)	(496,636)	(46,446)	(183)	(148,942)	(74,193)	(4,773)	(27)	(3,249)	(1,033)	(461)					
DIST_PRIMARY	(762,141)	(510,785)	(47,936)	(188)	(153,735)	(39,680)	(4,909)	(28)	(3,342)	(1,062)	(475)					
DIST_L_XFMR	(699,502)	(472,962)	(44,371)	(174)	(141,936)	(31,459)	(4,496)	(26)	(3,094)	(983)	0					
DIST_SEC_SERV	(904,645)	(192,078)	(17,944)	(71)	(43,591)	0	(646)	(10)	(341,134)	(309,172)	0					
CUSTOMER	(2,983,630)	(2,512,298)	(334,716)	(12,571)	(113,079)	(4,948)	(2,199)	(1,249)	0	(2,410)	(159)					
Total	(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)					

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COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LG5	SI	TSS	ALS	SLS	SFL			
ADIDFTR ADDITIONS TO EPIS - GEN															
PROD_DEMAND	(250,210)	(124,102)	(15,276)	(126)	(70,511)	(40,000)	(177)	(18)	(18)	(0)	(0)	(0)			
PROD_ENERGY	(145,797)	(63,009)	(7,376)	(120)	(42,195)	(31,579)	(162)	(18)	(18)	(1,012)	(322)	(4)			
TRANSMISSION	(175,427)	(86,326)	(10,626)	(87)	(49,048)	(29,203)	(123)	(13)	(13)	0	0	0			
DIST_SUBS	(89,521)	(57,297)	(5,359)	(21)	(17,184)	(8,560)	(551)	(3)	(3)	(375)	(119)	(53)			
DIST_PRIMARY	(92,893)	(62,202)	(5,840)	(23)	(18,733)	(4,900)	(598)	(3)	(3)	(407)	(129)	(58)			
DIST_L_XFMR	(74,561)	(50,413)	(4,730)	(19)	(15,129)	(3,353)	(479)	(3)	(3)	(330)	(105)	0			
DIST_SEC_SERV	(101,814)	(22,812)	(2,131)	(8)	(5,177)	0	(77)	(1)	(1)	(36,107)	(35,501)	0			
CUSTOMER	(459,961)	(388,079)	(51,716)	(1,942)	(16,602)	(644)	(332)	(209)	(209)	(0)	(411)	(26)			
Total	(1,390,184)	(854,241)	(103,053)	(2,346)	(234,578)	(118,239)	(2,500)	(269)	(269)	(38,231)	(36,586)	(141)			
ADIDFTR ADDITIONS TO EPIS - INT															
PROD_DEMAND	(105,904)	(52,527)	(6,466)	(53)	(29,844)	(16,930)	(75)	(8)	(8)	(0)	(0)	(0)			
PROD_ENERGY	(499)	(216)	(25)	(0)	(144)	(108)	(1)	(0)	(0)	(3)	(1)	(0)			
TRANSMISSION	(16,202)	(7,967)	(981)	(8)	(4,527)	(2,707)	(11)	(1)	(1)	0	0	0			
DIST_SUBS	(8,143)	(5,212)	(487)	(2)	(1,563)	(779)	(50)	(0)	(0)	(34)	(11)	(5)			
DIST_PRIMARY	(8,015)	(5,371)	(504)	(2)	(1,617)	(418)	(52)	(0)	(0)	(35)	(11)	(5)			
DIST_L_XFMR	(7,320)	(4,949)	(464)	(2)	(1,485)	(329)	(47)	(0)	(0)	(32)	(10)	0			
DIST_SEC_SERV	(9,485)	(2,018)	(189)	(1)	(458)	0	(7)	(0)	(0)	(3,569)	(3,244)	0			
CUSTOMER	(31,707)	(26,701)	(3,557)	(134)	(1,199)	(52)	(23)	(13)	(13)	(0)	(26)	(2)			
Total	(187,273)	(104,961)	(12,674)	(202)	(40,837)	(21,322)	(266)	(23)	(23)	(3,674)	(3,303)	(12)			
ADIDFTR ADIT RELATED TO ASH DEFERRAL															
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	(98,211,506)	(42,444,282)	(4,968,618)	(80,514)	(28,423,110)	(21,272,057)	(109,193)	(12,109)	(12,109)	(682,009)	(216,749)	(2,865)			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0			
Total	(98,211,506)	(42,444,282)	(4,968,618)	(80,514)	(28,423,110)	(21,272,057)	(109,193)	(12,109)	(12,109)	(682,009)	(216,749)	(2,865)			
ADIDFTR RATE CASE EXP DEFERRAL															
PROD_DEMAND	(348,337)	(172,772)	(21,267)	(175)	(98,164)	(55,687)	(247)	(25)	(25)	(0)	(0)	(0)			
PROD_ENERGY	(2,104)	(909)	(106)	(2)	(609)	(456)	(2)	(0)	(0)	(15)	(5)	(0)			
TRANSMISSION	(65,691)	(32,191)	(3,963)	(33)	(18,290)	(11,164)	(46)	(5)	(5)	0	0	0			
DIST_SUBS	(25,447)	(16,287)	(1,523)	(6)	(4,885)	(2,433)	(157)	(1)	(1)	(107)	(34)	(15)			
DIST_PRIMARY	(25,066)	(16,799)	(1,577)	(6)	(5,056)	(1,306)	(161)	(1)	(1)	(110)	(35)	(16)			
DIST_L_XFMR	(22,852)	(15,451)	(1,450)	(6)	(4,637)	(1,028)	(147)	(1)	(1)	(101)	(32)	0			
DIST_SEC_SERV	(29,631)	(6,309)	(589)	(2)	(1,432)	0	(21)	(0)	(0)	(11,141)	(10,137)	0			
CUSTOMER	(99,520)	(83,810)	(11,166)	(419)	(3,760)	(163)	(73)	(42)	(42)	(0)	(81)	(5)			
Total	(618,649)	(344,528)	(41,641)	(649)	(136,832)	(72,236)	(855)	(75)	(75)	(11,473)	(10,324)	(36)			
ADIDFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS															
PROD_DEMAND	10,938,971	5,425,621	667,872	5,497	3,082,678	1,748,752	7,755	797	797	0	0	0			
PROD_ENERGY	66,071	28,554	3,343	54	19,122	14,311	73	8	8	459	146	2			
TRANSMISSION	2,062,916	1,010,907	124,439	1,024	574,368	350,585	1,445	148	148	0	0	0			
DIST_SUBS	799,137	511,481	47,834	189	153,394	76,410	4,916	28	28	3,346	1,064	475			
DIST_PRIMARY	787,172	527,537	49,509	194	158,782	41,013	5,070	29	29	3,451	1,097	490			
DIST_L_XFMR	717,628	485,218	45,521	179	145,614	32,274	4,613	26	26	3,175	1,009	0			
DIST_SEC_SERV	930,529	198,115	18,507	73	44,961	0	666	11	11	349,859	318,337	0			
CUSTOMER	3,125,265	2,631,912	350,658	13,170	118,071	5,129	2,301	1,316	1,316	0	2,542	167			
Total	19,427,691	10,819,346	1,307,683	20,380	4,296,990	2,268,473	26,838	2,363	2,363	360,290	324,194	1,134			

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COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADIDFTR SEVERANCE DEFERRAL														
ADIDFTR ADIT RELATED TO STORM DEFERRAL	PROD_DEMAND	(2,159,210)	(1,070,947)	(131,829)	(1,085)	(608,480)	(345,181)	(1,531)	(157)	(0)	(0)	(0)		
	PROD_ENERGY	(1,690,755)	(730,697)	(85,537)	(1,386)	(489,317)	(366,208)	(1,880)	(208)	(11,741)	(3,731)	(49)		
	TRANSMISSION	(172,460)	(85,539)	(10,529)	(87)	(48,601)	(27,570)	(122)	(13)	0	0	0		
	DIST_SUBS	(102,911)	(65,867)	(6,160)	(24)	(19,754)	(9,840)	(633)	(4)	(431)	(137)	(61)		
	DIST_PRIMARY	(158,649)	(105,689)	(9,943)	(39)	(31,944)	(9,003)	(1,016)	(6)	(691)	(220)	(98)		
	DIST_L_XFMR	(21,549)	(14,570)	(1,367)	(5)	(4,373)	(969)	(139)	(1)	(95)	(30)	0		
	DIST_SEC_SERV	(90,344)	(33,036)	(3,086)	(12)	(7,497)	0	(111)	(2)	(7,554)	(39,045)	0		
	CUSTOMER	(1,001,929)	(845,311)	(112,658)	(4,231)	(35,997)	(1,357)	(760)	(516)	(0)	(1,033)	(66)		
	Total	(5,397,808)	(2,951,656)	(361,110)	(6,869)	(1,245,962)	(760,129)	(6,191)	(906)	(20,513)	(44,197)	(275)		
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	(32,238,336)	(21,408,546)	(2,016,627)	(7,892)	(6,485,052)	(1,908,829)	(205,757)	(1,162)	(140,066)	(44,514)	(19,891)		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	(7,958,377)	(5,971,324)	(557,829)	(2,201)	(1,355,146)	0	(20,069)	(324)	(39,068)	(12,416)	0		
	CUSTOMER	(101,609,799)	(86,641,205)	(11,556,043)	(434,005)	(2,735,538)	(13,620)	(54,634)	(56,317)	0	(113,934)	(4,502)		
	Total	(141,806,512)	(114,021,075)	(14,130,498)	(444,097)	(10,575,737)	(1,922,449)	(280,460)	(57,803)	(179,134)	(170,865)	(24,393)		
ADIDFTR ADIT RETIRED PLANT - PROD														
ADIDFTR ADIT ASHEVILLE CC	PROD_DEMAND	(15,275,255)	(7,576,375)	(932,621)	(7,676)	(4,304,673)	(2,441,969)	(10,829)	(1,113)	(0)	(0)	(0)		
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
	Total	(15,275,255)	(7,576,375)	(932,621)	(7,676)	(4,304,673)	(2,441,969)	(10,829)	(1,113)	(0)	(0)	(0)		
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
	PROD_ENERGY	(6,299,159)	(3,124,320)	(384,591)	(3,165)	(1,775,147)	(1,007,011)	(4,465)	(459)	(0)	(0)	(0)		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
	Total	(6,299,159)	(3,124,320)	(384,591)	(3,165)	(1,775,147)	(1,007,011)	(4,465)	(459)	(0)	(0)	(0)		
TOTAL ACCUM DEF TAX ADISTS														
	PROD_DEMAND	15,767,148	11,090,201	1,260,019	25,448	4,462,391	(1,161,826)	31,958	3,859	41,087	13,841	170		
	PROD_ENERGY	(100,529,186)	(35,991,145)	(15,217,427)	(540,452)	(25,246,309)	(21,315,227)	(110,194)	(54,773)	(1,738,958)	(307,608)	(7,093)		
	TRANSMISSION	5,461,881	2,668,872	328,527	2,704	1,516,374	941,197	3,814	392	0	0	0		
	DIST_SUBS	4,078,963	2,610,707	244,156	962	782,956	390,014	25,091	142	17,081	5,428	2,426		
	DIST_PRIMARY	(28,281,375)	(18,756,049)	(1,767,716)	(6,914)	(5,686,824)	(1,703,451)	(180,264)	(1,018)	(122,712)	(38,999)	(17,427)		
	DIST_L_XFMR	3,738,307	2,527,622	237,130	932	758,542	168,122	24,029	137	16,537	5,256	0		
	DIST_SEC_SERV	(3,177,397)	(4,968,106)	(464,110)	(1,831)	(1,127,474)	0	(16,697)	(270)	1,786,574	1,614,518	0		
	CUSTOMER	(86,342,372)	(73,785,997)	(9,843,346)	(369,681)	(2,156,287)	11,807	(43,413)	(49,993)	(0)	(101,763)	(3,699)		
	Total	(189,284,031)	(114,603,895)	(25,222,767)	(888,831)	(26,696,631)	(22,669,365)	(265,676)	(101,525)	(392)	1,190,674	(25,624)		

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COS DETAIL - RATE BASE	ADI ACCUM DEFERRED INC TAX											
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADJ ACCUM DEFERRED INC TAX	PROD_DEMAND	(692,208,464)	(340,058,688)	(41,964,979)	(330,311)	(195,050,048)	(114,341,904)	(469,923)	(47,709)	41,087	13,841	170
	PROD_ENERGY	(105,391,129)	(38,092,341)	(15,463,398)	(544,437)	(26,653,390)	(22,368,296)	(115,599)	(55,373)	(1,772,721)	(318,338)	(7,235)
	TRANSMISSION	(146,340,219)	(71,719,924)	(8,828,431)	(72,661)	(40,749,145)	(24,857,019)	(102,506)	(10,532)	0	0	0
	DIST_SUBS	(54,726,472)	(35,027,237)	(3,275,779)	(12,912)	(10,504,729)	(5,232,724)	(336,646)	(1,901)	(229,167)	(72,831)	(32,545)
	DIST_PRIMARY	(86,206,357)	(57,575,443)	(5,410,902)	(21,223)	(17,371,003)	(4,721,404)	(553,357)	(3,125)	(376,690)	(119,716)	(53,495)
	DIST_L_XFMR	(49,069,206)	(33,177,696)	(3,112,582)	(12,230)	(9,956,662)	(2,206,777)	(315,405)	(1,801)	(217,066)	(68,986)	0
	DIST_SEC_SERV	(71,651,438)	(19,546,623)	(1,826,005)	(7,205)	(4,435,957)	0	(65,694)	(1,061)	(23,958,181)	(21,810,711)	0
	CUSTOMER	(316,318,658)	(267,458,317)	(35,646,922)	(1,338,783)	(10,844,670)	(365,601)	(212,704)	(146,849)	(0)	(288,814)	(15,998)
	Total	(1,521,911,942)	(862,656,269)	(115,528,998)	(2,339,762)	(315,565,605)	(174,093,727)	(2,171,835)	(268,350)	(26,512,739)	(22,665,555)	(109,103)

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COS DETAIL - RATE BASE

REGULATORY ASSETS:

RA SFAS 109

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SIS	NC SFL
PROD_DEMAND	56,009,560	27,780,187	3,419,628	28,145	15,783,883	8,953,933	39,705	4,080	0	0	0
PROD_ENERGY	338,298	146,203	17,115	277	97,906	73,273	376	42	2,349	747	10
TRANSMISSION	10,562,514	5,176,033	637,149	5,244	2,940,869	1,795,061	7,398	760	0	0	0
DIST_SUBS	4,091,730	2,618,879	244,920	965	785,406	391,235	25,170	142	17,134	5,445	2,433
DIST_PRIMARY	4,030,468	2,701,085	253,496	996	812,995	209,992	25,960	147	17,672	5,616	2,510
DIST_L_XFMR	3,674,390	2,484,405	233,076	916	745,573	165,247	23,618	135	16,254	5,166	0
DIST_SEC_SERV	4,764,480	1,014,385	94,762	374	230,207	0	3,409	55	1,791,341	1,629,947	0
CUSTOMER	16,001,938	13,475,879	1,795,434	67,431	604,545	26,260	11,779	6,739	0	13,015	856
Total	99,473,378	55,397,056	6,695,579	104,348	22,001,383	11,615,002	137,416	12,099	1,844,751	1,659,936	5,809

RA SFAS 158

PROD_DEMAND	118,764,284	58,905,908	7,251,077	59,679	33,468,599	18,986,178	84,192	8,651	0	0	0
PROD_ENERGY	92,997,570	40,190,964	4,704,840	76,240	26,914,160	20,142,748	103,396	11,466	645,802	205,242	2,713
TRANSMISSION	9,485,932	4,704,928	579,158	4,767	2,673,201	1,516,463	6,725	691	0	0	0
DIST_SUBS	5,660,474	3,622,941	338,821	1,335	1,086,526	541,232	34,820	197	23,703	7,533	3,366
DIST_PRIMARY	8,726,263	5,813,274	546,891	2,143	1,757,042	495,205	55,871	316	38,034	12,087	5,401
DIST_L_XFMR	1,185,277	801,414	75,185	295	240,505	53,305	7,619	43	5,243	1,666	0
DIST_SEC_SERV	4,969,223	1,817,082	169,748	670	412,373	0	6,107	99	415,507	2,147,637	0
CUSTOMER	55,109,693	46,495,111	6,196,601	232,710	1,979,951	74,664	41,813	28,366	0	56,824	3,654
Total	296,898,715	162,351,622	19,862,320	377,839	68,532,357	41,809,793	340,543	49,828	1,128,289	2,430,990	15,134

RA MAYO 2 ABANDONMENT - WHS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

RA PRODUCTION REL

PROD_DEMAND	22,980,264	11,397,983	1,403,045	11,548	6,475,998	3,673,726	16,291	1,674	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	22,980,264	11,397,983	1,403,045	11,548	6,475,998	3,673,726	16,291	1,674	0	0	0

RA GRIDSOUTH

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RA SC DERP	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
RA REPS DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)
RA DSM/EE DEFERRAL	PROD_DEMAND	109,886,976	68,615,717	7,992,527	130,857	31,049,344	1,673,433	167,590	19,701	177,334	59,740	732
	PROD_ENERGY	109,886,976	68,615,717	7,992,527	130,857	31,049,344	1,673,433	167,590	19,701	177,334	59,740	732
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464
RA PSNC PIPELINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7
RA POLLUTION CNTL DEFERRAL - SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0

[illegible]

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RL EDIT NC RETAIL - FED TAX CHANGE												
PROD_DEMAND	(662,586,726)	(328,636,451)	(40,453,809)	(332,951)	(186,721,536)	(105,924,013)	(469,705)	(48,261)	(0)	(0)	(0)	(0)
PROD_ENERGY	(4,002,027)	(1,729,565)	(202,467)	(3,281)	(1,158,215)	(866,816)	(4,450)	(493)	(27,791)	(8,832)	(117)	(117)
TRANSMISSION	(124,953,344)	(61,231,886)	(7,537,396)	(62,036)	(34,790,151)	(21,235,367)	(87,516)	(8,992)	0	0	0	0
DIST_SUBS	(48,404,704)	(30,981,040)	(2,897,375)	(11,420)	(9,291,268)	(4,628,262)	(297,758)	(1,681)	(202,695)	(64,418)	(28,785)	(28,785)
DIST_PRIMARY	(47,679,975)	(31,953,531)	(2,998,827)	(11,779)	(9,617,636)	(2,484,177)	(307,105)	(1,734)	(209,057)	(66,440)	(29,689)	(29,689)
DIST_L_XFMR	(43,467,615)	(29,390,232)	(2,757,259)	(10,834)	(8,820,040)	(1,954,858)	(279,400)	(1,595)	(192,287)	(61,111)	0	0
DIST_SEC_SERV	(56,363,255)	(12,000,061)	(1,121,021)	(4,423)	(2,723,322)	0	(40,331)	(651)	(21,191,362)	(19,282,083)	0	0
CUSTOMER	(189,301,109)	(159,418,111)	(21,239,779)	(797,700)	(7,151,697)	(310,658)	(139,348)	(79,725)	(0)	(153,968)	(10,124)	(10,124)
Total	(1,176,758,753)	(655,340,876)	(79,207,933)	(1,234,423)	(260,273,864)	(137,404,151)	(1,625,613)	(143,134)	(21,823,192)	(19,636,853)	(68,714)	(68,714)
RL EDIT SC RETAIL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
RL EDIT WHL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
RA OVER AMORTIZATIONS - NC RETAIL												
PROD_DEMAND	(1,944,074)	(964,241)	(118,694)	(977)	(547,853)	(310,788)	(1,378)	(142)	(0)	(0)	(0)	(0)
PROD_ENERGY	(11,742)	(5,075)	(594)	(10)	(3,398)	(2,543)	(13)	(1)	(82)	(26)	(0)	(0)
TRANSMISSION	(366,621)	(179,658)	(22,115)	(182)	(102,077)	(62,306)	(257)	(26)	0	0	0	0
DIST_SUBS	(142,023)	(90,900)	(8,501)	(34)	(27,261)	(13,580)	(874)	(5)	(595)	(189)	(84)	(84)
DIST_PRIMARY	(139,896)	(93,754)	(8,799)	(35)	(28,219)	(7,289)	(901)	(5)	(613)	(195)	(87)	(87)
DIST_L_XFMR	(127,537)	(86,233)	(8,090)	(32)	(25,879)	(5,736)	(820)	(5)	(564)	(179)	0	0
DIST_SEC_SERV	(165,374)	(35,209)	(3,289)	(13)	(7,990)	0	(118)	(2)	(62,177)	(56,575)	0	0
CUSTOMER	(555,422)	(467,743)	(62,319)	(2,341)	(20,984)	(911)	(409)	(234)	(0)	(452)	(30)	(30)
Total	(3,452,689)	(1,922,814)	(232,401)	(3,622)	(763,661)	(403,153)	(4,770)	(420)	(64,031)	(57,616)	(202)	(202)
RA PLANT REL												
PROD_DEMAND	(10,224,938)	(5,071,468)	(624,277)	(5,138)	(2,881,459)	(1,634,603)	(7,248)	(745)	(0)	(0)	(0)	(0)
PROD_ENERGY	(61,759)	(26,690)	(3,124)	(51)	(17,873)	(13,377)	(69)	(8)	(429)	(136)	(2)	(2)
TRANSMISSION	(1,928,261)	(944,921)	(116,316)	(957)	(536,876)	(327,701)	(1,351)	(139)	0	0	0	0
DIST_SUBS	(746,974)	(478,095)	(44,712)	(176)	(143,381)	(71,423)	(4,595)	(26)	(3,128)	(994)	(444)	(444)
DIST_PRIMARY	(735,790)	(493,102)	(46,277)	(182)	(148,418)	(38,335)	(4,739)	(27)	(3,226)	(1,025)	(458)	(458)
DIST_L_XFMR	(670,786)	(453,546)	(42,550)	(167)	(136,110)	(30,167)	(4,312)	(25)	(2,967)	(943)	0	0
DIST_SEC_SERV	(869,789)	(185,183)	(17,299)	(68)	(42,026)	0	(622)	(10)	(327,022)	(297,558)	0	0
CUSTOMER	(2,921,266)	(2,460,116)	(327,769)	(12,310)	(110,364)	(4,794)	(2,150)	(1,230)	(0)	(2,376)	(156)	(156)
Total	(18,159,563)	(10,113,121)	(1,222,325)	(19,049)	(4,016,507)	(2,120,400)	(25,086)	(2,209)	(336,772)	(303,033)	(1,060)	(1,060)

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

RA OTHER SC RETAIL REG ASSETS (LIABILITIES)

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

RA OTHER NC RETAIL REG ASSETS (LIABILITIES)

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088

BOOK REGULATORY ASSETS

PROD_DEMAND	(367,114,655)	(167,972,365)	(21,130,503)	(108,837)	(103,373,024)	(74,582,134)	(170,555)	(15,043)	177,334	59,740	732
PROD_ENERGY	262,105,460	145,406,906	(30,288,509)	(1,754,187)	92,393,884	58,657,044	298,367	(149,853)	(2,657,046)	209,110	(10,254)
TRANSMISSION	(107,199,780)	(52,475,504)	(6,459,521)	(53,164)	(29,815,033)	(18,313,851)	(75,001)	(7,706)	0	0	0
DIST_SUBS	(37,081,091)	(23,733,453)	(2,219,574)	(8,749)	(7,117,704)	(3,545,544)	(228,102)	(1,288)	(155,277)	(49,349)	(22,051)
DIST_PRIMARY	(27,001,387)	(18,169,026)	(1,702,369)	(6,697)	(5,453,183)	(1,320,972)	(174,622)	(986)	(118,872)	(37,779)	(16,881)
DIST_L_XFMR	(37,188,248)	(25,144,495)	(2,358,944)	(9,269)	(7,545,890)	(1,672,458)	(239,037)	(1,365)	(164,509)	(52,282)	0
DIST_SEC_SERV	(43,221,018)	(7,598,035)	(709,793)	(2,801)	(1,724,316)	0	(25,536)	(412)	(18,284,291)	(14,875,833)	0
CUSTOMER	(80,590,095)	(69,148,086)	(9,224,740)	(346,495)	(1,791,642)	34,971	(26,664)	(30,291)	0	(56,765)	(384)
Total	(437,290,815)	(218,834,059)	(74,093,952)	(2,290,199)	(64,426,908)	(40,742,944)	(641,150)	(206,944)	(21,202,661)	(14,803,158)	(48,839)

REGULATORY ASSET ADJUSTMENTS:

ADIRA REMOVE DSM

PROD_DEMAND	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)
PROD_ENERGY	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)

ADIRA REMOVE REPS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIRA REMOVE JAAR												
PROD_DEMAND	(44,392,629)	(22,018,304)	(2,710,364)	(22,307)	(12,510,151)	(7,096,800)	(31,470)	(3,233)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(44,392,629)	(22,018,304)	(2,710,364)	(22,307)	(12,510,151)	(7,096,800)	(31,470)	(3,233)	(0)	(0)	(0)	(0)
ADIRA ADJUST RETIRED METERS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	0	(81)
Total	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	0	(81)
ADIRA NC COAL ASH DEFERRAL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	423,886,366	183,191,901	21,444,835	347,503	122,675,737	91,811,389	471,284	52,264	2,943,589	935,500	12,364	12,364
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	423,886,366	183,191,901	21,444,835	347,503	122,675,737	91,811,389	471,284	52,264	2,943,589	935,500	12,364	12,364
ADIRA ANNUAL/ REM EXP. REG ASSETS - PROD												
PROD_DEMAND	(12,930,007)	(6,413,155)	(789,433)	(6,497)	(3,643,766)	(2,067,048)	(9,166)	(942)	(0)	(0)	(0)	(0)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(12,930,007)	(6,413,155)	(789,433)	(6,497)	(3,643,766)	(2,067,048)	(9,166)	(942)	(0)	(0)	(0)	(0)
ADIRA ANNUAL/ REM EXP. REG ASSETS - ENERGY												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)	(1,746)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)	(1,746)



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE													
		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADIRA ANNUAL/ REM EXP. REG ASSETS - DIST													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(107,475)	(68,788)	(6,433)	(25)	(20,630)	(10,276)	(661)	(4)	(450)	(143)	(64)	(64)	
DIST_PRIMARY	(105,563)	(70,748)	(6,640)	(26)	(21,294)	(5,496)	(680)	(4)	(463)	(147)	(66)	(66)	
DIST_L_XFMR	(96,887)	(65,509)	(6,146)	(24)	(19,659)	(4,357)	(623)	(89)	(4)	(429)	(136)	0	
DIST_SEC_SERV	(125,301)	(26,604)	(2,485)	(10)	(6,038)	0	0	(1)	(1)	(47,250)	(42,823)	0	
CUSTOMER	(413,259)	(347,975)	(46,361)	(1,741)	(15,662)	(685)	(305)	(173)	(186)	0	(334)	(22)	
Total	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,358)	(186)	(48,592)	(43,583)	(152)	(152)	
ADIRA ANNUAL/ REM EXP. REG ASSETS - PLANT													
PROD_DEMAND	960,719	476,507	58,656	483	270,737	153,585	681	70	0	0	0	0	
PROD_ENERGY	5,803	2,508	294	5	1,679	1,257	6	1	40	13	0	0	
TRANSMISSION	181,176	88,783	10,929	90	50,444	30,790	127	13	0	0	0	0	
DIST_SUBS	70,185	44,921	4,201	17	13,472	6,711	432	2	294	93	42	42	
DIST_PRIMARY	69,134	46,331	4,348	17	13,945	3,602	445	3	303	96	43	43	
DIST_L_XFMR	63,026	42,614	3,998	16	12,789	2,834	405	2	279	89	0	0	
DIST_SEC_SERV	81,724	17,400	1,625	6	3,949	0	58	1	30,726	27,958	0	0	
CUSTOMER	274,478	231,149	30,797	1,157	10,370	450	202	116	208	31,643	28,472	15	
Total	1,706,244	950,213	114,848	1,790	377,385	199,229	2,357	208	0	0	0	100	
ADIRA ANNUAL/ REM EXP. REG ASSETS - STORM													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	(2,707,041)	(1,797,668)	(169,335)	(663)	(544,547)	(160,284)	(17,277)	(98)	(11,761)	(3,738)	(1,670)	(1,670)	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	(668,262)	(501,410)	(46,841)	(185)	(113,791)	0	(1,685)	(27)	(3,280)	(1,043)	0	0	
CUSTOMER	(8,532,137)	(7,275,229)	(970,357)	(36,443)	(229,702)	(1,144)	(4,588)	(4,729)	0	(9,567)	(378)	(378)	
Total	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)	(2,048)	
ADIRA DEFERRED SEVERANCE													
PROD_DEMAND	9,319,273	4,622,267	568,982	4,683	2,626,236	1,489,820	6,606	679	0	0	0	0	
PROD_ENERGY	7,297,394	3,153,731	369,182	5,982	2,111,918	1,580,574	8,113	900	50,675	16,105	213	213	
TRANSMISSION	744,348	369,189	45,446	374	209,763	118,995	528	54	0	0	0	0	
DIST_SUBS	444,170	284,287	26,587	105	85,258	42,470	2,732	15	1,860	591	264	264	
DIST_PRIMARY	684,738	456,160	42,914	168	137,873	38,858	4,384	25	2,984	948	424	424	
DIST_L_XFMR	93,007	62,886	5,900	23	18,872	4,183	598	3	411	131	0	0	
DIST_SEC_SERV	389,928	142,584	13,320	53	32,358	0	479	8	32,604	168,522	0	0	
CUSTOMER	4,324,383	3,648,409	486,239	18,260	155,364	5,859	3,281	2,226	0	4,459	287	287	
Total	23,297,241	12,739,512	1,558,569	29,648	5,377,641	3,280,758	26,722	3,910	88,535	190,756	1,188	1,188	
ADIRA ADJUST STORM DEFERRAL													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	128,115,699	85,077,927	8,014,109	31,361	25,771,709	7,585,719	817,683	4,618	556,626	176,901	79,048	79,048	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	31,626,726	23,730,143	2,216,821	8,747	5,385,375	0	79,754	1,288	155,255	49,342	0	0	
CUSTOMER	403,799,077	344,313,629	45,923,911	1,724,742	10,871,076	54,128	217,117	223,806	452,777	0	17,890	17,890	
Total	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,639,847	1,114,554	229,712	711,881	679,019	96,938	96,938	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIRA ADJUST STORM DEFERRAL-TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	45,299,769	22,468,236	2,765,748	22,763	12,765,789	7,241,819	32,113	3,300	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	45,299,769	22,468,236	2,765,748	22,763	12,765,789	7,241,819	32,113	3,300	0	0	0	0
ADIRA ADJUST STORM DEFERRAL-PROD												
PROD_DEMAND	3,203,586	1,588,947	195,593	1,610	902,793	512,139	2,271	233	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,203,586	1,588,947	195,593	1,610	902,793	512,139	2,271	233	0	0	0	0
ADIRA ADJUST RETIRED PLANT - PROD												
PROD_DEMAND	65,928,858	32,700,061	4,025,244	33,129	18,579,210	10,539,676	46,737	4,802	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	65,928,858	32,700,061	4,025,244	33,129	18,579,210	10,539,676	46,737	4,802	0	0	0	0
ADIRA ADJUST ASHEVILLE CC												
PROD_DEMAND	27,187,523	13,484,742	1,659,917	13,662	7,661,633	4,346,316	19,273	1,980	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	27,187,523	13,484,742	1,659,917	13,662	7,661,633	4,346,316	19,273	1,980	0	0	0	0
TOTAL REG ASSETS ADJUSTMENTS												
PROD_DEMAND	(60,609,652)	(44,174,653)	(4,983,931)	(106,095)	(17,162,653)	6,204,255	(132,657)	(16,112)	(177,334)	(59,740)	(732)	
PROD_ENERGY	374,611,347	129,764,393	62,500,649	2,276,169	91,876,500	79,252,215	409,546	228,359	7,078,591	1,196,099	28,826	
TRANSMISSION	46,225,293	22,926,209	2,822,123	23,227	13,025,996	7,391,604	32,767	3,367	0	0	0	
DIST_SUBS	406,879	260,420	24,355	96	78,100	38,904	2,503	14	1,704	541	242	
DIST_PRIMARY	126,056,967	83,712,002	7,885,396	30,857	25,357,686	7,462,399	804,555	4,543	547,689	174,061	77,779	
DIST_L_XFMR	59,146	39,991	3,752	15	12,001	2,660	380	2	262	83	0	
DIST_SEC_SERV	31,304,815	23,362,112	2,182,441	8,612	5,301,853	0	78,518	1,268	168,056	201,956	0	
CUSTOMER	397,995,037	339,326,541	45,258,371	1,699,746	10,751,169	57,977	214,826	221,139	0	447,558	17,710	
Total	916,049,833	555,217,015	115,693,155	3,932,627	129,240,653	100,410,014	1,410,437	442,581	7,618,967	1,960,559	123,826	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL							
ADI REGULATORY ASSETS																		
PROD_DEMAND	(427,724,307)	(212,147,019)	(26,114,434)	(214,932)	(120,535,677)	(68,377,879)	(303,212)	(31,154)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
PROD_ENERGY	636,716,808	275,171,299	32,212,140	521,982	184,270,384	137,909,258	707,913	78,506	4,421,545	1,405,209	18,572							
TRANSMISSION	(60,974,486)	(29,549,295)	(3,637,398)	(29,937)	(16,789,037)	(10,922,247)	(42,233)	(4,339)	0	0	0							
DIST_SUBS	(36,674,212)	(23,473,033)	(2,195,220)	(8,653)	(7,039,604)	(3,506,640)	(225,599)	(1,274)	(153,573)	(48,807)	(21,809)							
DIST_PRIMARY	99,055,580	65,542,976	6,183,027	24,160	19,904,503	6,141,427	629,932	3,557	428,817	136,282	60,898							
DIST_L_XFMR	(37,129,102)	(25,104,504)	(2,355,192)	(9,254)	(7,533,888)	(1,669,798)	(238,657)	(1,363)	(164,247)	(52,199)	0							
DIST_SEC_SERV	(11,916,203)	15,764,077	1,472,648	5,811	3,577,537	0	52,981	856	(18,116,236)	(14,673,877)	0							
CUSTOMER	317,404,942	270,178,455	36,033,631	1,353,251	8,959,527	92,948	188,163	190,848	0	390,793	17,326							
Total	478,759,019	336,382,956	41,599,202	1,642,428	64,813,745	59,667,071	769,288	235,636	(13,583,694)	(12,842,599)	74,987							

DUKE ENERGY PROGRESS, LLC  
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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

OPERATING RESERVES:  
OR LABOR RELATED

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)	(3,428,232)	(15,202)	(1,562)	(0)	(0)	(0)
PROD_ENERGY	(16,792,073)	(7,257,067)	(849,528)	(13,766)	(4,859,746)	(3,637,068)	(18,670)	(2,070)	(116,609)	(37,059)	(490)
TRANSMISSION	(1,712,824)	(849,544)	(104,575)	(861)	(482,686)	(273,820)	(1,214)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(53,609,411)	(29,314,963)	(3,586,433)	(68,224)	(12,374,521)	(7,549,371)	(61,490)	(8,997)	(203,729)	(438,951)	(2,733)

OR COAL MINES & ENERGY RELATED

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)

BOOK OPERATING RESERVES

PROD_DEMAND	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)	(3,428,232)	(15,202)	(1,562)	(0)	(0)	(0)
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
TRANSMISSION	(1,712,824)	(849,544)	(104,575)	(861)	(482,686)	(273,820)	(1,214)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)

TOTAL OPERATING RESERVES

PROD_DEMAND	(21,444,631)	(10,636,324)	(1,309,288)	(10,776)	(6,043,246)	(3,428,232)	(15,202)	(1,562)	(0)	(0)	(0)
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
TRANSMISSION	(1,712,824)	(849,544)	(104,575)	(861)	(482,686)	(273,820)	(1,214)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(54,704,658)	(29,788,298)	(3,641,842)	(69,122)	(12,691,493)	(7,786,595)	(62,708)	(9,132)	(211,335)	(441,368)	(2,765)

WORKING CAPITAL:

MATERIALS AND SUPPLIES:

WC MAT.& SUP PLUS STORES EXP

PROD_DEMAND	281,910,773	139,824,950	17,211,882	141,661	79,444,412	45,067,489	199,846	20,534	0	0	0
PROD_ENERGY	1,328,236	574,027	67,197	1,089	384,401	287,688	1,477	164	9,224	2,931	39
TRANSMISSION	43,127,726	21,207,729	2,610,585	21,486	12,049,606	7,204,895	30,311	3,114	0	0	0
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	12,890
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	13,285
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	4,510
Total	498,512,419	279,400,376	33,736,398	537,106	108,706,681	56,759,191	707,840	61,841	9,779,678	8,792,584	30,724

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE

WC EMISSION ALLOWANCES

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	0	40
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	0	40

WC FUEL INVENTORY

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	0	3,922
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	0	3,922

WC EMISSION ALLOWANCE PROCEEDS - REPS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	0	19,927
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	0	19,927

BOOK MATERIALS & SUPPLIES

PROD_DEMAND	281,910,773	139,824,950	17,211,882	141,661	79,444,412	45,067,489	199,846	20,534	0	0	0	0
PROD_ENERGY	257,589,699	99,611,604	61,958,520	2,349,724	56,149,454	30,240,568	327,318	232,144	5,929,430	767,009	0	23,928
TRANSMISSION	43,127,726	21,207,729	2,610,585	21,486	12,049,606	7,204,895	30,311	3,114	0	0	0	0
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	0	12,890
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	0	13,285
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0	0
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0	0
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	0	4,510
Total	754,773,882	378,437,953	95,627,721	2,885,741	164,471,735	86,712,071	1,033,682	293,821	15,699,885	9,556,662	0	54,613

MATERIAL & SUPPLIES ADJUSTMENTS:

ADJWC REPS Inventory

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	0	(19,927)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	0	(19,927)



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE																
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
ADIWC M&S Inventory - JAAR																
PROD_DEMAND	(37,024,580)	(18,363,825)	(2,260,512)	(18,605)	(10,433,784)	(5,918,911)	(26,247)	(2,697)	(0)	(0)	(0)					
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0					
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0					
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0					
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0					
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0					
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0					
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0					
Total	(37,024,580)	(18,363,825)	(2,260,512)	(18,605)	(10,433,784)	(5,918,911)	(26,247)	(2,697)	(0)	(0)	(0)					
ADIWC FUEL INVENTORY																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0					
PROD_ENERGY	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281					
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0					
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0					
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0					
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0					
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0					
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0					
Total	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281					
ADIWC RETIRED PLANT INVENTORY																
PROD_DEMAND	(3,959,876)	(1,964,059)	(241,768)	(1,990)	(1,115,920)	(633,043)	(2,807)	(288)	(0)	(0)	(0)					
PROD_ENERGY	(18,657)	(8,063)	(944)	(15)	(5,400)	(4,041)	(21)	(2)	(130)	(41)	(1)					
TRANSMISSION	(605,796)	(297,896)	(36,670)	(302)	(169,255)	(101,204)	(426)	(44)	0	0	0					
DIST_SUBS	(304,472)	(194,875)	(18,225)	(72)	(58,443)	(29,112)	(1,873)	(11)	(1,275)	(405)	(181)					
DIST_PRIMARY	(299,691)	(200,845)	(18,849)	(74)	(60,452)	(15,611)	(1,930)	(11)	(1,314)	(418)	(187)					
DIST_L_XFMR	(273,691)	(185,054)	(17,361)	(68)	(55,535)	(12,309)	(1,759)	(10)	(1,211)	(385)	0					
DIST_SEC_SERV	(354,646)	(75,453)	(7,049)	(28)	(17,123)	0	(254)	(4)	(133,442)	(121,294)	0					
CUSTOMER	(1,185,555)	(998,369)	(133,015)	(4,996)	(44,826)	(1,951)	(873)	(499)	(0)	(963)	(63)					
Total	(7,002,383)	(3,924,613)	(473,880)	(7,544)	(1,526,955)	(797,271)	(9,943)	(869)	(137,371)	(123,506)	(432)					
ADIWC ASHEVILLE CC INVENTORY																
PROD_DEMAND	2,112,428	1,047,743	128,973	1,061	595,297	337,702	1,497	154	0	0	0					
PROD_ENERGY	9,953	4,301	504	8	2,880	2,156	11	1	69	22	0					
TRANSMISSION	323,167	158,915	19,562	161	90,291	53,988	227	23	0	0	0					
DIST_SUBS	162,423	103,957	9,722	38	31,177	15,530	999	6	680	216	97					
DIST_PRIMARY	159,873	107,143	10,055	39	32,248	8,328	1,030	6	701	223	100					
DIST_L_XFMR	146,003	98,718	9,261	36	29,626	6,566	938	5	646	205	0					
DIST_SEC_SERV	189,189	40,251	3,760	15	9,135	0	135	2	71,185	64,705	0					
CUSTOMER	632,444	532,588	70,958	2,665	23,913	1,041	466	266	0	513	34					
Total	3,735,479	2,093,617	252,795	4,025	814,566	425,311	5,304	463	73,282	65,885	230					
TOT MATERIALS & SUPP ADJUSTS																
PROD_DEMAND	(38,872,028)	(19,280,141)	(2,373,307)	(19,533)	(10,954,407)	(6,214,252)	(27,556)	(2,831)	(0)	(0)	(0)					
PROD_ENERGY	(110,796,061)	(36,171,475)	(54,532,083)	(2,229,383)	(13,666,329)	1,554,103	(164,110)	(214,044)	(4,910,053)	(443,041)	(19,646)					
TRANSMISSION	(282,629)	(138,981)	(17,108)	(141)	(78,965)	(47,216)	(199)	(20)	0	0	0					
DIST_SUBS	(142,049)	(90,917)	(8,503)	(34)	(27,266)	(13,582)	(874)	(5)	(595)	(189)	(84)					
DIST_PRIMARY	(139,818)	(93,703)	(8,794)	(35)	(28,203)	(7,283)	(901)	(5)	(613)	(195)	(87)					
DIST_L_XFMR	(127,688)	(86,335)	(8,100)	(32)	(25,909)	(5,742)	(821)	(5)	(565)	(180)	0					
DIST_SEC_SERV	(165,457)	(35,202)	(3,288)	(13)	(17,989)	0	(118)	(2)	(62,256)	(56,589)	0					
CUSTOMER	(553,111)	(465,781)	(62,057)	(2,331)	(20,913)	(910)	(407)	(233)	(0)	(449)	(30)					
Total	(151,078,841)	(56,362,535)	(57,013,240)	(2,251,500)	(24,809,981)	(4,734,883)	(194,986)	(217,145)	(4,974,081)	(500,643)	(19,847)					

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE													
ADI MATERIALS & SUPPLIES		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
PROD_DEMAND	243,038,745	120,544,809	14,838,575	122,127	68,490,004	38,853,237	172,289	17,702	0	0	0	0	
PROD_ENERGY	146,793,638	63,440,129	7,426,437	120,342	42,483,126	31,794,672	163,208	18,099	1,019,377	323,968	4,282	0	
TRANSMISSION	42,845,097	21,068,748	2,593,477	21,345	11,970,641	7,157,679	30,113	3,094	0	0	0	0	
DIST_SUBS	21,533,833	13,782,556	1,288,957	5,080	4,133,413	2,058,978	132,464	748	90,173	28,658	12,806	0	
DIST_PRIMARY	21,195,731	14,204,846	1,333,113	5,236	4,275,455	1,104,118	136,523	771	92,936	29,536	13,198	0	
DIST_L_XFMR	19,356,881	13,087,979	1,227,855	4,824	3,927,716	870,532	124,422	710	85,629	27,214	0	0	
DIST_SEC_SERV	25,082,438	5,336,414	498,517	1,967	1,211,059	0	17,935	290	9,437,689	8,578,567	0	0	
CUSTOMER	83,848,677	70,609,937	9,407,550	353,319	3,170,340	137,972	61,743	35,261	0	68,077	4,480	0	
Total	603,695,041	322,075,419	38,614,481	634,241	139,661,753	81,977,188	838,696	76,675	10,725,803	9,056,019	34,766	0	
CASH WORKING CAPITAL:													
WC DEFERRED DEBITS													
PROD_DEMAND	2,641,076	1,309,947	161,249	1,327	744,273	422,214	1,872	192	0	0	0	0	
PROD_ENERGY	15,952	6,894	807	13	4,617	3,455	18	2	111	35	0	0	
TRANSMISSION	498,065	244,071	30,044	247	138,674	84,644	349	36	0	0	0	0	
DIST_SUBS	192,942	123,491	11,549	46	37,035	18,448	1,187	7	808	257	115	0	
DIST_PRIMARY	190,053	127,367	11,953	47	38,336	9,902	1,224	7	833	265	118	0	
DIST_L_XFMR	173,262	117,150	10,990	43	35,157	7,792	1,114	6	766	244	0	0	
DIST_SEC_SERV	224,664	47,832	4,468	18	10,855	0	161	3	84,469	76,859	0	0	
CUSTOMER	754,556	635,442	84,662	3,180	28,507	1,238	555	318	0	614	40	0	
Total	4,690,569	2,612,193	315,723	4,920	1,037,454	547,694	6,480	571	86,987	78,273	274	0	
WC PRELIMINARY SURVEY CHARGES													
PROD_DEMAND	5,046,089	2,502,810	308,086	2,536	1,422,023	806,690	3,577	368	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	
Total	5,046,089	2,502,810	308,086	2,536	1,422,023	806,690	3,577	368	0	0	0	0	
WC UNAMORTIZED DEBT EXPENSE													
PROD_DEMAND	16,298,576	8,083,932	995,099	8,190	4,593,052	2,605,562	11,554	1,187	0	0	0	0	
PROD_ENERGY	98,443	42,545	4,980	81	28,490	21,322	109	12	684	217	3	0	
TRANSMISSION	3,073,653	1,506,207	185,408	1,526	855,782	522,356	2,153	221	0	0	0	0	
DIST_SUBS	1,190,678	762,084	71,271	281	228,550	113,848	7,324	41	4,986	1,585	708	0	
DIST_PRIMARY	1,172,851	786,006	73,766	290	236,578	61,107	7,554	43	5,142	1,634	730	0	
DIST_L_XFMR	1,069,234	722,953	67,824	266	216,959	48,086	6,873	39	4,730	1,503	0	0	
DIST_SEC_SERV	1,386,446	295,182	27,575	109	66,989	0	992	16	521,274	474,308	0	0	
CUSTOMER	4,656,505	3,921,431	522,465	19,622	175,920	7,642	3,428	1,961	0	3,787	249	0	
Total	28,946,387	16,120,339	1,948,389	30,365	6,402,322	3,379,923	39,987	3,521	536,816	483,035	1,690	0	
WC UNAMORTIZED LOSS ON REACQ. DEBT													
PROD_DEMAND	1,729,951	858,039	105,621	869	487,512	276,558	1,226	126	0	0	0	0	
PROD_ENERGY	10,449	4,516	529	9	3,024	2,263	12	1	73	23	0	0	
TRANSMISSION	326,241	159,871	19,679	162	90,834	55,444	228	23	0	0	0	0	
DIST_SUBS	126,380	80,889	7,565	30	24,259	12,084	777	4	529	168	75	0	
DIST_PRIMARY	124,488	83,428	7,830	31	25,111	6,486	802	5	546	173	78	0	
DIST_L_XFMR	113,490	76,735	7,199	28	23,028	5,104	729	4	502	160	0	0	
DIST_SEC_SERV	147,159	31,331	2,927	12	7,110	0	105	2	55,329	50,344	0	0	
CUSTOMER	494,247	416,226	55,455	2,083	18,672	811	364	208	0	402	26	0	
Total	3,072,405	1,711,033	206,804	3,223	679,550	358,749	4,244	374	56,978	51,270	179	0	

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Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL				
WC CUSTOMER DEPOSITS - FUNCTIONALIZED																
PROD_DEMAND	(37,429,798)	(31,737,826)	(4,306,114)	(75,791)	(1,276,194)	(9,449)	(13,269)	(11,151)	(0)	(4)	(1)					
PROD_ENERGY	(36,090,877)	(30,452,978)	(3,995,683)	(138,987)	(1,443,718)	(11,163)	(22,084)	(20,606)	(0)	(4,493)	(1,166)					
TRANSMISSION	(5,236,702)	(4,437,752)	(598,687)	(10,271)	(184,943)	(1,449)	(2,056)	(1,544)	(0)	(363)	(1,705)					
DIST_SUBS	(2,902,015)	(2,566,912)	(263,483)	(2,182)	(58,945)	(366)	(7,728)	(331)	(0)	(458)	(2,593)					
DIST_PRIMARY	(4,643,294)	(4,106,174)	(424,749)	(3,538)	(93,041)	(424)	(11,787)	(531)	(0)	(298)	(0)					
DIST_L_XFMR	(2,395,375)	(2,119,224)	(217,839)	(1,785)	(49,254)	(193)	(6,509)	(272)	(184)	(0)	(123,450)					
DIST_SEC_SERV	(1,720,889)	(1,423,260)	(146,276)	(1,224)	(25,057)	0	(1,437)	(184)	(0)	(0)	(1,566)	(993)				
CUSTOMER	(26,169,207)	(22,494,741)	(3,297,615)	(263,832)	(74,876)	(52)	(5,579)	(29,952)	(0)	(0)	(130,632)	(6,457)				
Total	(116,588,158)	(99,338,867)	(13,250,447)	(497,610)	(3,206,028)	(23,097)	(70,449)	(64,571)	(0)	(0)	(130,632)	(6,457)				
WC CUST ADV FOR CONSTRUCTION																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0				
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0				
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0				
DIST_SUBS	(2,937,411)	(1,880,066)	(175,826)	(693)	(563,835)	(280,863)	(18,069)	(102)	(12,300)	(3,909)	(1,747)					
DIST_PRIMARY	(2,885,162)	(1,933,631)	(181,467)	(713)	(581,981)	(150,214)	(18,584)	(105)	(12,651)	(4,021)	(1,797)					
DIST_L_XFMR	(2,648,037)	(1,790,446)	(167,972)	(660)	(537,315)	(119,090)	(17,021)	(97)	(11,714)	(3,723)	(0)					
DIST_SEC_SERV	(3,424,628)	(727,131)	(67,927)	(268)	(165,017)	0	(2,444)	(39)	(1,291,399)	(1,170,403)	(602)					
CUSTOMER	(11,294,838)	(9,510,564)	(1,267,104)	(47,589)	(428,073)	(18,730)	(8,325)	(4,729)	0	(9,123)	(4,145)					
Total	(23,190,077)	(15,841,838)	(1,860,295)	(49,922)	(2,276,221)	(568,897)	(64,443)	(5,073)	(1,328,064)	(1,191,178)	(4,145)					
WC CASH ALLOW LEAD/LAG																
PROD_DEMAND	90,169,358	44,723,108	5,505,232	45,310	25,410,351	14,414,868	63,921	6,568	0	0	0	0				
PROD_ENERGY	544,623	235,371	27,553	446	157,618	117,962	606	1,224	3,782	1,202	16					
TRANSMISSION	17,004,510	8,332,856	1,025,741	8,442	4,734,483	2,889,855	11,910	0	27,584	8,766	3,917					
DIST_SUBS	6,587,245	4,216,113	394,295	1,554	1,264,420	629,846	40,521	229	28,450	9,042	4,040					
DIST_PRIMARY	6,488,619	4,348,456	408,101	1,603	1,308,834	338,064	41,793	236	26,168	8,316	0					
DIST_L_XFMR	5,915,372	3,999,625	375,227	1,474	1,200,292	266,031	38,023	217	2,883,866	2,624,038	1,378					
DIST_SEC_SERV	7,670,299	1,633,051	152,556	602	370,608	0	5,489	89	0	20,953	9,351					
CUSTOMER	25,761,397	21,694,713	2,890,455	108,557	973,252	42,276	18,963	10,850	0	2,672,318	9,351					
Total	160,141,423	89,183,293	10,779,160	167,989	35,419,857	18,698,902	221,225	19,479	2,969,850	2,672,318	9,351					
BOOK CASH WORKING CAPITAL																
PROD_DEMAND	78,455,251	25,740,010	2,769,174	(17,559)	31,381,017	18,516,442	68,881	(2,710)	0	(4)	(1)					
PROD_ENERGY	(35,421,409)	(30,163,653)	(3,961,814)	(138,438)	(1,249,970)	133,840	(21,339)	(20,523)	4,649	(3,015)	(1,146)					
TRANSMISSION	15,665,767	5,805,252	662,185	107	5,634,830	3,550,850	12,584	(40)	0	0	0					
DIST_SUBS	2,257,819	735,598	45,370	(965)	931,484	492,996	24,012	(152)	21,607	6,504	1,364					
DIST_PRIMARY	447,554	(694,548)	(104,566)	(2,280)	933,837	264,921	21,002	(346)	22,321	6,636	576					
DIST_L_XFMR	2,227,945	1,006,792	75,430	(633)	888,866	207,731	23,208	(103)	20,452	6,202	0					
DIST_SEC_SERV	4,283,052	(142,994)	(26,676)	(752)	265,490	0	2,866	(114)	2,253,538	1,931,695	0					
CUSTOMER	(5,797,340)	(5,337,493)	(1,011,682)	(177,979)	693,402	33,185	9,406	(21,345)	0	15,067	99					
Total	62,118,639	(3,051,036)	(1,552,580)	(338,500)	39,478,956	23,199,964	140,621	(45,332)	2,322,567	1,963,085	892					
WC CASH ALLOW ADI																
PROD_DEMAND	26,685,571	13,235,779	1,629,270	13,410	7,520,179	4,266,072	18,917	1,944	0	0	0					
PROD_ENERGY	161,181	69,658	8,154	132	46,647	34,911	179	20	1,119	356	5					
TRANSMISSION	5,032,475	2,466,104	303,567	2,498	1,401,168	855,251	3,525	362	0	0	0					
DIST_SUBS	1,949,491	1,247,756	116,691	460	374,204	186,402	11,992	68	8,163	2,594	1,159					
DIST_PRIMARY	1,920,303	1,286,923	120,777	474	387,349	100,050	12,369	70	8,420	2,676	1,196					
DIST_L_XFMR	1,750,651	1,183,687	111,048	436	355,226	78,732	11,253	64	7,744	2,461	0					
DIST_SEC_SERV	2,270,021	483,300	45,149	178	109,681	0	1,624	26	853,479	776,583	0					
CUSTOMER	7,624,071	6,420,538	855,429	32,127	288,033	12,512	5,612	3,211	0	6,201	408					
Total	47,393,764	26,393,745	3,190,086	49,716	10,482,487	5,533,929	65,471	5,765	878,925	790,871	2,767					

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Summer 1 CP Demand Allocation with Minimum System														
COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
W/C RATE CASE DEFERRAL ADJ														
PROD_DEMAND	1,503,441	745,692	91,792	755	423,680	240,347	1,066	110	0	0	0	0		
PROD_ENERGY	9,081	3,924	459	7	2,628	1,967	10	1	63	20	0	0		
TRANSMISSION	283,525	138,938	17,103	141	78,941	48,184	199	20	0	0	0	0		
DIST_SUBS	109,833	70,297	6,574	26	21,082	10,502	676	4	460	146	151	65		
DIST_PRIMARY	108,188	72,504	6,804	27	21,823	5,637	697	4	474	151	139	67		
DIST_L_XFMR	98,630	66,688	6,256	25	20,013	4,436	634	4	436	0	0	0		
DIST_SEC_SERV	127,891	27,229	2,544	10	6,179	0	92	1	48,084	43,752	0	0		
CUSTOMER	429,533	361,727	48,194	1,810	16,228	705	316	181	0	349	23	23		
Total	2,670,122	1,487,000	179,727	2,801	590,574	311,777	3,689	325	49,518	44,557	156	156		
TOT CASH WORK CAPITAL ADJUSTS														
PROD_DEMAND	28,189,012	13,981,471	1,721,062	14,165	7,943,859	4,506,419	19,983	2,053	0	0	0	0		
PROD_ENERGY	170,262	73,582	8,614	140	49,275	36,878	189	21	1,182	376	5	5		
TRANSMISSION	5,316,000	2,605,042	320,670	2,639	1,480,108	903,435	3,723	383	0	0	0	0		
DIST_SUBS	2,059,324	1,318,054	123,266	486	395,287	196,904	12,668	72	8,623	2,741	1,225	1,225		
DIST_PRIMARY	2,028,491	1,359,427	127,582	501	409,172	105,687	13,065	74	8,894	2,827	1,263	1,263		
DIST_L_XFMR	1,849,281	1,250,375	117,305	461	375,239	83,167	11,887	68	8,181	2,600	0	0		
DIST_SEC_SERV	2,397,912	510,529	47,693	188	115,861	0	1,716	28	901,563	820,335	0	0		
CUSTOMER	8,053,604	6,782,265	903,623	33,937	304,261	13,217	5,928	3,392	0	6,550	431	431		
Total	50,063,887	27,880,745	3,369,813	52,517	11,073,061	5,845,706	69,160	6,089	928,443	835,428	2,923	2,923		
TOT ADJUSTED WORKING CAPITAL														
PROD_DEMAND	349,683,008	160,266,291	19,328,811	118,734	107,814,880	61,876,098	261,154	17,046	0	(4)	(1)	(1)		
PROD_ENERGY	111,542,491	33,350,058	3,473,337	(17,957)	41,282,431	31,965,389	142,058	(2,403)	1,025,209	321,328	3,141	3,141		
TRANSMISSION	63,826,865	29,479,042	3,576,332	24,091	19,085,579	11,611,964	46,420	3,437	0	0	0	0		
DIST_SUBS	25,850,976	15,836,208	1,457,593	4,602	5,460,183	2,748,878	169,144	668	120,403	37,903	15,394	15,394		
DIST_PRIMARY	23,671,776	14,869,725	1,356,129	3,457	5,618,463	1,474,726	170,590	499	124,151	38,998	15,038	15,038		
DIST_L_XFMR	23,434,107	15,345,145	1,420,589	4,652	5,191,821	1,161,430	159,517	675	114,261	36,015	0	0		
DIST_SEC_SERV	31,763,401	5,703,949	519,533	1,403	1,592,409	0	22,517	203	12,592,790	11,330,598	0	0		
CUSTOMER	86,104,941	72,054,709	9,299,490	209,277	4,168,003	184,373	77,078	17,307	0	89,694	5,010	5,010		
Total	715,877,566	346,905,128	40,431,714	348,259	190,213,770	111,022,858	1,048,477	37,432	13,976,814	11,854,532	38,581	38,581		

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COS DETAIL - LABOR		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
<b>PRODUCTION LABOR:</b>												
LAB01 LABOR-PROD DEMAND REL		132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0	0
LAB02 LABOR-PROD ENERGY REL		104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055
TOTAL PRODUCTION LABOR		132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0	0
PROD_DEMAND		132,872,174	65,903,282	8,112,426	66,768	37,444,300	21,241,527	94,193	9,678	0	0	0
PROD_ENERGY		104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		237,596,815	111,162,360	13,410,550	152,622	67,752,358	43,924,292	210,627	22,590	727,238	231,123	3,055
<b>TRANSMISSION LABOR:</b>												
LAB04 LABOR-TRANS PROD REL		868,386	430,711	53,019	436	244,717	138,824	616	63	0	0	0
LAB05 LABOR-TRANS PST REL		10,682,116	5,298,224	652,190	5,368	3,010,294	1,707,690	7,573	778	0	0	0
TOTAL TRANSMISSION LABOR		868,386	430,711	53,019	436	244,717	138,824	616	63	0	0	0
PROD_DEMAND		868,386	430,711	53,019	436	244,717	138,824	616	63	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		10,682,116	5,298,224	652,190	5,368	3,010,294	1,707,690	7,573	778	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		11,550,502	5,728,934	705,208	5,804	3,255,012	1,846,514	8,188	841	0	0	0
<b>DISTRIBUTION LABOR:</b>												
LAB442 LABOR-SUPERVISION&ENGINEERING		0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		49,551	31,715	2,966	12	9,511	4,738	305	2	207	66	29
DIST_PRIMARY		48,669	32,618	3,061	12	9,817	2,534	313	2	213	68	30
DIST_L_XFMR		44,669	30,203	2,833	11	9,064	2,009	287	2	198	63	0
DIST_SEC_SERV		57,770	12,266	1,146	5	2,784	0	41	1	21,784	19,743	0
CUSTOMER		190,531	160,433	21,375	803	7,221	316	140	80	0	154	10
Total		391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70
<b>LAB12 LOAD DISPATCH</b>												
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - LABOR		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
LAB13 LABOR-SUBSTATION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895	0
LAB20 LABOR-OVERHEAD LINE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	7,595,963	5,044,259	475,155	1,859	1,528,001	449,756	48,480	274	33,002	10,488	4,687	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	1,875,144	1,406,957	131,435	519	319,298	0	4,729	76	9,205	2,925	0	0
CUSTOMER	23,941,193	20,414,309	2,722,823	102,260	644,545	3,209	12,873	13,269	0	26,845	1,061	0
Total	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	13,620	42,207	40,259	5,747	0
LAB25 LABOR-UNDERGROUND LINE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	1,211,487	819,006	76,594	302	245,016	54,830	7,871	44	5,358	1,703	761	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	509,646	382,397	35,723	141	86,782	0	1,285	21	2,502	795	0	0
CUSTOMER	1,986,674	1,694,648	226,022	8,489	52,880	231	998	1,102	0	2,228	76	0
Total	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	1,167	7,860	4,727	837	0
LAB26 LABOR-LINE TRANSFORMR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	399,304	269,986	25,329	100	81,023	17,958	2,567	15	1,766	561	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	192,473	164,016	21,877	822	5,291	30	115	107	0	216	1	0
Total	591,777	434,001	47,206	921	86,314	17,987	2,682	121	1,766	777	1	0
LAB34 LABOR-METER												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	0
Total	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	201	0	0	1,182	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer 1 CP Demand Allocation with Minimum System

COS DETAIL - LABOR		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
LAB35 LABOR-STREET LIGHT		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	0	0	0	0	0	0	0	0	0	0
		DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
		DIST_L_XPMR	0	0	0	0	0	0	0	0	0	0
		DIST_SEC_SERV	2,001,283	0	0	0	0	0	0	0	2,001,283	0
		CUSTOMER	0	0	0	0	0	0	0	0	0	0
		Total	2,001,283	0	0	0	0	0	0	0	2,001,283	0
LAB361LABOR-CUST INSTALLATNS		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	0	0	0	0	0	0	0	0	0	0
		DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
		DIST_L_XPMR	0	0	0	0	0	0	0	0	0	0
		DIST_SEC_SERV	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	3,747	185
		CUSTOMER	0	0	0	0	0	0	0	0	0	0
		Total	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	3,747	185
LAB39 LABOR-RENTS		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	0	0	0	0	0	0	0	0	0	0
		DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
		DIST_L_XPMR	0	0	0	0	0	0	0	0	0	0
		DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
		CUSTOMER	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	0	0
LAB38 LABOR-MISCELLANEOUS		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	988,109	632,431	59,146	233	189,667	6,078	34	4,138	1,315	588
		DIST_PRIMARY	970,534	650,450	61,043	240	195,771	6,251	35	4,256	1,352	604
		DIST_L_XPMR	890,768	602,284	56,504	222	180,746	5,726	33	3,940	1,252	0
		DIST_SEC_SERV	1,152,003	244,598	22,850	90	55,510	822	13	434,411	393,709	0
		CUSTOMER	3,799,447	3,199,238	426,238	16,008	143,999	2,800	1,591	0	3,069	202
		Total	7,800,861	5,329,002	625,781	16,793	765,693	21,678	1,706	446,745	400,698	1,394
TOTAL DISTRIBUTION LABOR		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	6,374,264	4,079,796	381,546	1,504	1,223,538	609,481	39,211	26,692	8,483	3,791
		DIST_PRIMARY	9,826,653	6,546,333	615,854	2,413	1,978,606	62,917	355	42,830	13,612	6,082
		DIST_L_XPMR	1,334,741	902,473	84,666	333	270,833	60,027	49	5,904	1,876	0
		DIST_SEC_SERV	5,595,846	2,046,218	191,153	754	464,374	6,877	111	467,902	2,418,456	0
		CUSTOMER	36,836,929	30,867,161	4,111,389	154,401	1,535,983	78,971	31,845	18,202	36,259	2,718
		Total	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686

### Summer 1 CP Demand Allocation with Minimum System

Labor NC

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
TOTAL FUNCTIONALIZED REVENUES												
PROD_DEMAND	1,016,681,300	484,852,256	55,754,078	584,949	295,063,181	172,148,355	1,095,852	89,833	5,971,372	1,102,111	19,313	
PROD_ENERGY	1,468,068,524	633,309,046	76,040,005	1,220,503	461,694,364	279,618,492	1,886,062	181,278	10,867,289	3,206,921	44,564	
TRANSMISSION	126,053,688	67,241,332	7,578,476	45,860	35,866,684	15,210,757	103,436	7,143	0	0	0	
DIST_SUBS	58,264,917	35,337,338	3,481,709	10,410	13,124,643	5,239,276	501,892	1,616	457,488	65,225	45,321	
DIST_PRIMARY	99,318,922	63,328,129	6,179,188	20,028	22,327,569	5,747,848	814,968	3,056	702,342	121,080	74,716	
DIST_L_XFMR	43,816,909	27,445,492	2,742,150	7,651	10,613,544	2,153,277	411,883	1,203	392,390	49,318	0	
DIST_SEC_SERV	100,005,362	21,077,749	2,049,323	6,586	5,714,813	0	96,583	1,008	47,370,395	23,688,905	0	
CUSTOMER	426,998,981	357,435,074	49,184,651	1,569,658	17,261,843	564,493	388,600	186,382	0	378,789	29,490	
Total	3,339,208,603	1,690,026,417	203,009,580	3,465,644	861,666,640	480,682,499	5,299,275	471,518	65,761,277	28,612,348	213,404	
OPERATING EXPENSES:												
ADJ O&M EXPENSE												
PROD_DEMAND	273,322,535	134,974,496	15,008,781	185,485	73,344,147	48,171,530	235,828	27,670	1,039,789	330,439	4,369	
PROD_ENERGY	1,265,647,949	548,014,597	66,121,522	1,077,154	399,078,917	237,858,520	1,608,293	158,983	8,882,084	2,809,950	37,929	
TRANSMISSION	29,169,134	16,577,406	1,755,283	14,827	7,074,966	3,728,176	16,308	2,169	0	0	0	
DIST_SUBS	14,156,046	9,060,205	846,723	3,339	2,718,550	1,352,843	87,227	492	59,365	18,866	8,434	
DIST_PRIMARY	39,271,856	26,155,462	2,459,873	9,640	7,908,898	2,234,921	251,620	1,421	171,265	54,428	24,327	
DIST_L_XFMR	4,279,499	2,893,434	271,317	1,066	868,628	192,385	27,539	157	18,950	6,022	0	
DIST_SEC_SERV	26,783,401	8,112,095	757,517	2,990	1,841,481	0	27,290	441	6,221,902	9,819,684	0	
CUSTOMER	209,459,077	177,155,810	23,603,622	886,754	7,101,815	226,884	148,726	107,492	0	215,113	12,861	
Total	1,862,089,497	922,943,505	110,824,638	2,181,256	499,937,403	293,765,258	2,402,832	298,825	16,393,356	13,254,503	87,921	
ADJ DEPRECIATION EXPENSE												
PROD_DEMAND	456,830,959	225,604,183	25,105,510	310,080	122,518,631	80,559,009	393,449	46,182	1,735,173	551,454	7,288	
PROD_ENERGY	4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	9,773	129	
TRANSMISSION	44,314,246	25,153,302	2,664,837	22,500	10,730,384	5,715,225	24,711	3,287	0	0	0	
DIST_SUBS	24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	14,392	
DIST_PRIMARY	24,158,019	16,187,542	1,519,284	5,967	4,872,755	1,261,408	155,578	879	105,908	33,658	15,040	
DIST_L_XFMR	21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	139,032	794	95,684	30,409	0	
DIST_SEC_SERV	28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	0	
CUSTOMER	97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	80,025	5,218	
Total	701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068	
ADJ OTHER AMORTIZATIONS												
PROD_DEMAND	56,384,950	27,845,487	3,098,680	38,272	15,122,020	9,943,099	48,562	5,700	214,166	68,064	900	
PROD_ENERGY	153,353,682	66,275,197	7,758,316	125,720	44,381,649	33,215,540	170,501	18,908	1,064,932	338,445	4,473	
TRANSMISSION	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0	
DIST_SUBS	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
DIST_PRIMARY	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	49,840	15,840	7,078	
DIST_L_XFMR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	
DIST_SEC_SERV	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	13,902	4,418	0	
CUSTOMER	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	0	40,542	1,734	
Total	263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	14,184	

DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED													
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RFS	SGS	SSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
OTHER TAXES													
PROD_DEMAND	52,950,955	26,149,622	2,909,962	35,941	14,201,048	9,337,538	45,604	5,353	201,123	63,919	845		
PROD_ENERGY	8,104,213	3,502,415	410,000	6,644	2,345,417	1,755,327	9,010	999	56,278	17,886	236		
TRANSMISSION	8,994,154	5,101,562	540,479	4,563	2,176,323	1,165,549	5,012	667	0	0	0		
DIST_SUBS	3,881,731	2,484,470	232,350	916	745,097	371,155	23,878	135	16,255	5,166	2,308		
DIST_PRIMARY	4,088,625	2,737,135	256,990	1,009	824,461	216,433	26,307	149	17,908	5,691	2,543		
DIST_L_XFMR	3,157,935	2,135,209	200,316	787	640,779	142,021	20,298	116	13,970	4,440	0		
DIST_SEC_SERV	4,383,522	997,130	93,150	368	226,291	0	3,351	54	1,525,903	1,537,274	0		
CUSTOMER	17,952,740	15,125,864	2,015,427	75,692	669,675	28,137	13,320	7,994	0	15,611	1,020		
Total	103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952		
INCOME TAX													
PROD_DEMAND	16,450,530	4,642,683	867,339	(10,223)	9,169,471	1,186,170	64,520	(798)	536,218	(5,858)	1,007		
PROD_ENERGY	3,324,861	895,192	137,437	(4,956)	1,881,859	240,546	16,170	(298)	160,655	(2,049)	306		
TRANSMISSION	3,636,008	1,230,230	218,448	(1,581)	2,025,904	153,497	9,637	(127)	0	0	0		
DIST_SUBS	1,486,286	551,410	85,918	(300)	697,789	52,650	41,913	(24)	54,088	(597)	3,439		
DIST_PRIMARY	1,988,816	705,881	110,360	(407)	891,458	155,615	53,404	(32)	68,913	(761)	4,383		
DIST_L_XFMR	1,441,887	517,469	80,913	(274)	655,645	98,873	38,984	(22)	50,860	(561)	0		
DIST_SEC_SERV	5,977,608	251,631	39,136	(144)	254,492	0	6,662	(11)	5,604,420	(178,578)	0		
CUSTOMER	4,937,805	3,475,937	765,154	(27,807)	687,839	15,301	23,266	(1,535)	0	(18,26)	1,475		
Total	39,243,801	12,270,434	2,304,705	(45,691)	16,264,456	1,902,653	254,556	(2,847)	6,475,153	(190,228)	10,611		
ADI INVESTMENT TAX CREDITS													
PROD_DEMAND	(1,542,806)	(761,909)	(84,786)	(1,047)	(413,769)	(272,063)	(1,329)	(156)	(5,860)	(1,862)	(25)		
PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)		
TRANSMISSION	(159,597)	(89,937)	(9,528)	(80)	(38,367)	(21,585)	(88)	(12)	0	0	0		
DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)		
DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(2)	(217)	(69)	(31)		
DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0		
DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0		
CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(0)	(162)	(11)		
Total	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)		
TOTAL ADI OPER EXPENSE													
PROD_DEMAND	854,397,123	418,454,562	46,905,487	558,509	233,941,548	148,925,283	786,635	83,951	3,720,609	1,006,155	14,385		
PROD_ENERGY	1,434,851,821	620,598,085	74,650,944	1,208,186	448,967,345	274,027,521	1,808,891	179,137	10,194,650	3,173,990	43,073		
TRANSMISSION	89,144,903	49,786,467	5,361,692	41,852	22,743,020	11,148,291	57,361	6,221	0	0	0		
DIST_SUBS	43,674,493	27,553,374	2,610,571	9,653	8,797,104	4,085,815	301,578	1,442	230,838	55,575	28,544		
DIST_PRIMARY	80,929,250	53,370,695	5,060,973	19,006	16,795,177	4,545,019	559,805	2,828	413,617	108,788	53,341		
DIST_L_XFMR	30,464,374	20,140,649	1,921,739	6,959	6,544,888	1,404,018	225,565	1,043	179,265	40,247	0		
DIST_SEC_SERV	68,113,585	17,527,567	1,652,720	6,224	4,175,637	0	64,751	927	23,885,320	20,800,439	0		
CUSTOMER	366,002,487	308,662,273	41,431,064	1,499,749	13,145,991	439,091	277,428	175,291	0	349,302	22,297		
Total	2,967,578,035	1,516,093,672	179,595,190	3,350,138	755,110,708	444,575,038	4,082,013	450,841	38,624,298	25,534,497	161,640		
ADI RETURN BEFORE INT ADJUSTMENTS													
PROD_DEMAND	162,284,178	66,397,694	8,848,591	26,441	61,121,633	23,223,073	309,217	5,881	2,250,764	95,955	4,928		
PROD_ENERGY	33,216,703	12,710,961	1,389,061	12,317	12,727,019	5,590,971	77,172	2,141	672,639	32,931	1,491		
TRANSMISSION	36,908,784	17,454,866	2,216,784	4,008	13,123,664	4,062,466	46,075	922	0	0	0		
DIST_SUBS	14,590,424	7,783,964	871,138	757	4,327,539	1,153,461	200,314	173	226,651	9,649	16,778		
DIST_PRIMARY	18,389,673	9,957,673	1,118,214	1,022	5,532,392	1,202,829	255,162	228	288,725	12,292	21,374		
DIST_L_XFMR	13,352,535	7,304,843	820,411	692	4,068,656	749,259	186,318	160	213,125	9,070	0		
DIST_SEC_SERV	31,891,777	3,550,182	396,603	362	1,539,176	0	31,832	81	23,485,075	2,888,466	0		
CUSTOMER	60,996,493	48,772,801	7,753,587	69,908	4,115,852	125,402	111,172	11,091	0	29,487	7,193		
Total	371,630,568	173,932,745	23,414,390	115,507	106,555,931	36,107,460	1,217,262	20,678	27,136,979	3,077,851	51,764		



DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
INTEREST ON CUST DEPOSITS - FUNCTION												
PROD_DEMAND	(2,379,747)	(2,031,412)	(259,991)	(6,055)	(79,323)	(634)	(1,029)	(887)	(0)	(375)	(41)	
PROD_ENERGY	(2,884,104)	(2,433,808)	(323,841)	(11,420)	(110,465)	(824)	(1,644)	(1,626)	(0)	(388)	(87)	
TRANSMISSION	(311,618)	(267,619)	(33,659)	(442)	(9,676)	(60)	(94)	(66)	0	0	0	
DIST_SUBS	(167,675)	(147,054)	(16,113)	(107)	(3,778)	(21)	(469)	(16)	(0)	(22)	(96)	
DIST_PRIMARY	(292,303)	(256,988)	(27,915)	(199)	(6,215)	(26)	(747)	(29)	(0)	(28)	(155)	
DIST_L_XFMR	(130,022)	(113,804)	(12,648)	(78)	(3,069)	(11)	(384)	(12)	(0)	(17)	0	
DIST_SEC_SERV	(107,592)	(88,208)	(9,535)	(68)	(1,675)	0	(91)	(10)	(0)	(8,005)	0	
CUSTOMER	(1,697,928)	(1,452,782)	(222,215)	(15,652)	(4,990)	(3)	(357)	(1,769)	(0)	(98)	(61)	
Total	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)	
ADJ INCOME FOR RETURN												
PROD_DEMAND	159,904,430	64,366,282	8,588,601	20,386	61,042,310	23,222,439	308,188	4,994	2,250,764	95,581	4,887	
PROD_ENERGY	30,332,599	10,277,153	1,065,220	897	12,616,554	5,590,147	75,527	514	672,639	32,544	1,404	
TRANSMISSION	36,597,167	17,187,246	2,183,125	3,566	13,113,988	4,062,406	45,981	856	0	0	0	
DIST_SUBS	14,422,750	7,636,910	855,026	651	4,323,761	1,153,440	199,845	157	226,651	9,627	16,681	
DIST_PRIMARY	18,097,370	9,700,446	1,090,299	823	5,526,177	1,202,802	254,415	199	288,725	12,264	21,219	
DIST_L_XFMR	13,222,513	7,191,039	807,763	614	4,065,587	749,248	185,934	149	213,125	9,054	0	
DIST_SEC_SERV	31,784,185	3,461,974	387,068	294	1,537,501	0	31,741	71	23,485,075	2,880,461	0	
CUSTOMER	59,298,566	47,320,019	7,531,372	54,257	4,110,862	125,399	110,815	9,322	0	29,389	7,132	
Total	363,659,579	167,141,069	22,508,474	81,486	106,336,739	36,105,881	1,212,445	16,263	27,136,979	3,068,920	51,323	
YEAR END RATE BASE:												
ADJ PLANT IN SERVICE												
PROD_DEMAND	10,151,657,459	5,013,356,332	557,892,444	6,890,574	2,772,598,258	1,790,175,214	8,743,186	1,026,262	38,558,861	12,254,368	161,961	
PROD_ENERGY	54,636,973	23,612,580	2,764,139	44,792	15,812,330	11,834,059	60,746	6,737	379,415	120,582	1,594	
TRANSMISSION	1,766,014,033	995,998,813	105,519,926	890,946	424,892,500	237,603,217	978,469	130,161	0	0	0	
DIST_SUBS	889,863,698	569,550,083	53,264,845	209,945	170,809,063	85,085,167	5,473,938	30,912	3,726,305	1,184,255	529,185	
DIST_PRIMARY	875,895,667	587,003,220	55,089,758	216,378	176,679,543	45,626,793	5,641,679	31,859	3,840,492	1,220,544	545,401	
DIST_L_XFMR	799,898,786	540,844,277	50,739,579	199,363	162,307,937	35,973,650	5,141,562	29,354	3,538,495	1,124,567	0	
DIST_SEC_SERV	1,036,504,244	220,522,360	20,600,747	81,288	50,045,871	0	741,152	11,969	390,000,434	354,500,423	0	
CUSTOMER	3,465,047,345	2,917,956,851	388,767,154	14,600,899	131,013,721	5,701,590	2,551,526	1,457,162	0	2,813,297	185,145	
Total	19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284	
ADJ DEPRECIATION RESERVE												
PROD_DEMAND	(4,526,610,698)	(2,235,448,989)	(248,763,506)	(3,072,498)	(1,214,002,979)	(798,236,771)	(3,898,575)	(457,609)	(17,193,345)	(5,464,207)	(72,218)	
PROD_ENERGY	(11,833,139)	(5,113,954)	(598,650)	(9,701)	(3,424,595)	(2,562,991)	(13,156)	(1,459)	(82,173)	(26,115)	(345)	
TRANSMISSION	(498,971,605)	(283,481,686)	(30,033,135)	(253,582)	(120,933,118)	(63,954,546)	(278,492)	(37,046)	0	0	0	
DIST_SUBS	(384,970,462)	(246,397,239)	(23,043,295)	(90,826)	(73,894,962)	(36,809,318)	(2,368,121)	(13,373)	(1,612,064)	(512,329)	(228,934)	
DIST_PRIMARY	(378,525,743)	(253,682,861)	(23,807,755)	(93,511)	(76,353,966)	(19,712,828)	(2,438,142)	(13,769)	(1,659,730)	(527,478)	(235,704)	
DIST_L_XFMR	(346,547,320)	(234,314,814)	(21,982,363)	(86,372)	(70,318,122)	(15,585,187)	(2,227,525)	(12,717)	(1,533,014)	(487,206)	0	
DIST_SEC_SERV	(448,616,610)	(95,349,010)	(8,907,309)	(35,147)	(21,638,732)	0	(320,458)	(5,175)	(168,984,072)	(153,376,706)	0	
CUSTOMER	(1,489,669,449)	(1,254,405,764)	(167,126,896)	(6,276,776)	(56,390,918)	(2,460,693)	(1,097,459)	(625,104)	(0)	(1,206,343)	(79,496)	
Total	(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,636,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED													
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJ NET PLANT IN SERV													
PROD_DEMAND	5,625,046,761	2,777,907,343	309,128,937	3,818,076	1,508,595,278	991,938,443	4,844,611	568,653	21,365,516	6,790,162	89,743		
PROD_ENERGY	42,803,834	18,498,627	2,165,489	35,091	12,387,735	9,271,068	47,590	5,278	297,242	94,466	1,249		
TRANSMISSION	1,267,042,428	712,517,128	75,486,791	637,365	303,959,382	173,648,671	699,977	93,114	0	0	0		
DIST_SUBS	504,893,236	323,152,844	30,221,550	119,119	96,914,102	48,275,849	3,105,818	17,539	2,114,241	671,926	300,250		
DIST_PRIMARY	497,369,924	333,320,359	31,282,003	122,867	100,325,577	25,913,965	3,203,537	18,091	2,180,762	693,067	309,697		
DIST_L_XFMR	453,351,466	306,529,463	28,757,217	112,991	91,989,815	20,388,463	2,914,037	16,637	2,005,481	637,361	0		
DIST_SEC_SERV	587,887,634	125,173,350	11,693,438	46,141	28,407,139	0	420,694	6,794	221,016,362	201,123,717	0		
CUSTOMER	1,975,377,896	1,663,551,086	221,640,258	8,324,123	74,622,803	3,240,897	1,454,067	832,058	0	1,606,954	105,649		
Total	10,953,773,177	6,260,650,199	710,375,683	13,215,772	2,217,201,831	1,272,677,355	16,690,331	1,558,163	248,979,603	211,617,652	806,587		
ADJ NUCLEAR FUEL INVENTORY													
PROD_DEMAND	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)		
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284		
ADJ ACCUM DEFERRED INC TAX													
PROD_DEMAND	(681,384,048)	(333,174,408)	(36,993,369)	(449,461)	(182,376,359)	(124,259,388)	(569,945)	(66,892)	(2,643,706)	(839,411)	(11,108)		
PROD_ENERGY	(105,316,964)	(38,060,289)	(15,459,645)	(544,377)	(26,631,926)	(22,352,233)	(115,517)	(55,363)	(1,772,206)	(318,174)	(7,233)		
TRANSMISSION	(144,101,159)	(80,926,705)	(8,573,685)	(77,391)	(34,523,284)	(19,915,015)	(79,502)	(10,576)	0	0	0		
DIST_SUBS	(54,629,656)	(34,965,271)	(3,269,984)	(12,889)	(10,486,146)	(5,223,467)	(336,051)	(1,898)	(228,762)	(72,703)	(32,487)		
DIST_PRIMARY	(86,076,165)	(57,488,405)	(5,402,725)	(21,191)	(17,344,761)	(4,714,374)	(352,520)	(3,120)	(376,120)	(119,535)	(53,414)		
DIST_L_XFMR	(48,982,265)	(33,118,912)	(3,107,067)	(12,208)	(9,939,020)	(2,202,867)	(314,847)	(1,798)	(216,682)	(68,864)	0		
DIST_SEC_SERV	(71,530,107)	(19,516,171)	(1,823,161)	(7,194)	(4,429,046)	0	(65,592)	(1,059)	(23,915,754)	(21,772,131)	0		
CUSTOMER	(315,830,264)	(267,045,863)	(35,591,956)	(1,336,719)	(10,827,411)	(364,965)	(212,366)	(146,628)	(0)	(288,383)	(15,973)		
Total	(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)		
ADJ REGULATORY ASSETS													
PROD_DEMAND	(428,417,649)	(211,572,380)	(23,544,034)	(290,794)	(114,898,395)	(75,548,516)	(368,978)	(43,310)	(1,627,251)	(517,156)	(6,835)		
PROD_ENERGY	636,398,255	275,033,630	32,196,024	521,721	184,178,193	137,840,262	707,559	78,467	4,419,333	1,404,506	18,563		
TRANSMISSION	(61,172,125)	(33,971,597)	(3,599,081)	(30,388)	(14,492,263)	(9,040,982)	(33,374)	(4,440)	0	0	0		
DIST_SUBS	(37,073,391)	(23,728,525)	(2,219,113)	(8,747)	(7,116,226)	(3,544,808)	(228,055)	(1,288)	(155,245)	(49,338)	(22,047)		
DIST_PRIMARY	98,662,377	65,279,464	6,158,297	24,063	19,825,189	6,120,941	627,400	3,543	427,093	135,734	60,653		
DIST_L_XFMR	(37,487,567)	(25,346,877)	(2,377,930)	(9,343)	(7,606,625)	(1,685,919)	(240,961)	(1,376)	(165,833)	(52,703)	0		
DIST_SEC_SERV	(12,381,015)	15,665,116	1,463,403	5,774	3,555,079	0	52,649	850	(18,290,995)	(14,832,891)	0		
CUSTOMER	315,843,830	268,863,779	35,858,473	1,346,672	8,900,549	90,386	187,013	190,191	0	389,523	17,243		
Total	474,372,715	330,222,609	43,936,038	1,558,958	72,345,501	54,231,364	703,254	222,637	(15,392,898)	(13,522,325)	67,577		
TOTAL OPERATING RESERVES													
PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)		
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)		
TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	0		
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)		
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)		
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0		
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0		
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)		
Total	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)		

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COS SUMMARY - ADJUSTED													
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJ MATERIALS & SUPPLIES													
PROD_DEMAND		240,216,174	118,629,818	13,201,272	163,050	64,424,173	42,360,476	206,888	24,284	912,409	289,972	3,832	
PROD_ENERGY		146,793,638	63,440,129	7,426,437	120,342	42,483,126	31,794,672	163,208	18,099	1,019,377	323,968	4,282	
TRANSMISSION		42,259,819	23,814,070	2,522,954	21,302	10,159,068	5,715,918	23,395	3,112	0	0	0	
DIST_SUBS		21,533,833	13,782,556	1,288,957	5,080	4,133,413	2,058,978	132,464	748	90,173	28,658	12,806	
DIST_PRIMARY		21,195,731	14,204,846	1,333,113	5,236	4,275,455	1,104,118	136,523	771	92,936	29,536	13,198	
DIST_L_XFMR		19,356,881	13,087,979	1,227,855	4,824	3,927,716	870,532	124,422	710	85,629	27,214	0	
DIST_SEC_SERV		25,082,438	5,336,414	498,517	1,967	1,211,059	0	17,935	290	9,437,689	8,578,567	0	
CUSTOMER		83,848,677	70,609,937	9,407,550	353,319	3,170,340	137,972	61,743	35,261	0	68,077	4,480	
Total		600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598	
ADJ CASH WORK CAPITAL													
PROD_DEMAND		67,409,339	20,766,824	1,814,641	(19,182)	26,253,566	18,015,968	72,979	(2,640)	388,248	117,907	1,028	
PROD_ENERGY		(41,590,319)	(35,341,442)	(4,706,621)	(166,549)	(1,443,762)	116,651	(23,391)	(23,714)	4,126	(4,360)	(1,258)	
TRANSMISSION		13,742,163	6,361,781	596,374	2,722	4,242,265	2,529,924	8,719	377	0	0	0	
DIST_SUBS		1,797,044	568,996	18,696	(56)	760,445	406,021	19,278	(83)	17,795	5,334	1,119	
DIST_PRIMARY		(81,195)	(948,129)	(144,517)	(1,880)	755,106	218,244	16,087	(273)	18,389	5,440	338	
DIST_L_XFMR		1,904,102	908,748	56,423	(190)	727,366	171,001	18,840	(31)	16,836	5,109	0	
DIST_SEC_SERV		3,370,290	(235,590)	(40,945)	(605)	214,827	0	2,219	(88)	1,855,020	1,575,453	0	
CUSTOMER		(8,022,922)	(7,089,935)	(1,363,742)	(158,082)	560,796	27,356	7,139	(18,764)	0	12,306	3	
Total		38,528,502	(15,008,747)	(3,769,690)	(344,322)	32,070,609	21,485,165	121,870	(45,216)	2,300,415	1,717,189	1,231	
ADJUSTED RATE BASE													
PROD_DEMAND		4,774,593,331	2,348,715,667	260,954,333	3,188,919	1,289,050,670	843,993,621	4,143,976	475,214	18,211,845	5,783,197	75,890	
PROD_ENERGY		891,453,445	375,348,902	32,365,441	140,325	272,433,310	202,667,477	1,015,560	48,950	5,442,596	1,969,087	21,796	
TRANSMISSION		1,116,081,898	626,834,433	66,331,622	557,751	268,935,529	152,722,831	618,271	81,463	0	0	0	
DIST_SUBS		435,498,984	278,156,425	25,978,926	101,767	84,009,399	41,874,846	2,687,167	14,983	1,833,922	582,516	259,034	
DIST_PRIMARY		529,495,018	353,318,463	33,127,421	128,708	107,519,306	28,553,477	3,420,938	18,955	2,336,193	742,060	329,497	
DIST_L_XFMR		387,928,597	261,915,694	24,542,922	96,021	79,055,825	17,531,585	2,500,115	14,135	1,724,484	547,816	0	
DIST_SEC_SERV		531,531,974	126,095,018	11,760,602	45,962	28,884,597	0	426,803	6,769	190,027,296	174,284,928	0	
CUSTOMER		2,041,266,355	1,720,493,631	228,831,696	8,487,293	76,069,568	3,118,164	1,490,047	886,995	0	1,778,217	110,743	
Total		10,707,849,602	6,090,878,233	683,892,962	12,746,747	2,205,958,205	1,290,462,001	16,302,876	1,547,463	219,576,336	185,687,820	796,960	
RATE OF RETURN													
PROD_DEMAND		3.35%	2.74%	3.29%	0.64%	4.74%	2.75%	7.44%	1.05%	12.36%	1.65%	6.44%	
PROD_ENERGY		3.40%	2.74%	3.29%	0.64%	4.63%	2.76%	7.44%	1.05%	12.36%	1.65%	6.44%	
TRANSMISSION		3.28%	2.74%	3.29%	0.64%	4.88%	2.66%	7.44%	1.05%	N/A	N/A	N/A	
DIST_SUBS		3.31%	2.75%	3.29%	0.64%	5.15%	2.75%	7.44%	1.05%	12.36%	1.65%	6.44%	
DIST_PRIMARY		3.42%	2.75%	3.29%	0.64%	5.14%	4.21%	7.44%	1.05%	12.36%	1.65%	6.44%	
DIST_L_XFMR		3.41%	2.75%	3.29%	0.64%	5.14%	4.27%	7.44%	1.05%	12.36%	1.65%	N/A	
DIST_SEC_SERV		5.98%	2.75%	3.29%	0.64%	5.32%	N/A	7.44%	1.05%	12.36%	1.65%	N/A	
CUSTOMER		2.90%	2.75%	3.29%	0.64%	5.40%	4.02%	7.44%	1.05%	12.36%	1.65%	6.44%	
Total		3.40%	2.74%	3.29%	0.64%	4.82%	2.80%	7.44%	1.05%	12.36%	1.65%	6.44%	

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UNIT DETAIL - REVENUES													
TOTAL FUNCTIONALIZED REVENUES													
	NC		NC		NC		NC		NC		NC		NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
TOTAL FUNCTIONALIZED REVENUES													
PROD_DEMAND	1,016,681,300	484,852,256	55,754,078	584,949	295,063,181	172,148,355	1,095,852	89,833	5,971,372	1,102,111		19,313	
PROD_ENERGY	1,468,068,524	633,309,046	76,040,005	1,220,503	461,694,364	279,618,492	1,886,062	181,278	10,867,289	3,206,921		44,564	
TRANSMISSION	126,053,688	67,241,332	7,578,476	45,860	35,866,684	15,210,757	103,436	7,143	0	0		0	
DIST_SUBS	58,264,917	35,337,338	3,481,709	10,410	13,124,643	5,239,276	501,892	1,616	457,488	65,225		45,321	
DIST_PRIMARY	99,318,922	63,328,129	6,179,188	20,028	22,327,569	5,747,848	814,968	3,056	702,342	121,080		74,716	
DIST_L_XFMR	43,816,909	27,445,492	2,742,150	7,651	10,613,544	2,153,277	411,883	1,203	392,390	49,318		0	
DIST_SEC_SERV	100,005,362	21,077,749	2,049,323	6,586	5,714,813	0	96,583	1,008	47,370,395	23,688,905		0	
CUSTOMER	426,998,981	357,435,074	49,184,651	1,569,658	17,261,843	564,493	388,600	186,382	0	378,789		29,490	
Total	3,339,208,603	1,690,026,417	203,009,580	3,465,644	861,666,640	480,682,499	5,299,275	471,518	65,761,277	28,612,348		213,404	
TOTAL SALES OF ELECTRICITY													
PROD_DEMAND	1,011,117,914	481,281,615	55,324,108	576,904	294,108,488	171,570,159	1,092,041	88,649	5,958,932	1,097,797		19,221	
PROD_ENERGY	1,455,431,968	630,473,314	75,164,343	1,188,591	461,126,726	275,202,348	1,882,548	177,688	8,755,357	1,416,765		44,288	
TRANSMISSION	118,860,000	63,067,817	7,131,215	41,931	34,186,727	14,326,243	99,498	6,568	0	0		0	
DIST_SUBS	57,204,621	34,620,500	3,412,400	10,095	12,948,432	5,153,289	495,910	1,569	453,723	64,007		44,694	
DIST_PRIMARY	95,197,453	60,513,779	5,912,061	18,890	21,552,486	5,569,587	789,575	2,889	685,546	80,458		72,181	
DIST_L_XFMR	42,881,927	26,788,419	2,678,612	7,374	10,446,241	2,116,840	406,307	1,162	388,807	48,163		0	
DIST_SEC_SERV	98,853,930	20,770,323	2,019,359	6,439	5,662,680	0	95,747	986	46,975,410	23,322,986		0	
CUSTOMER	408,449,290	341,722,940	47,061,981	1,482,916	16,757,949	556,341	377,620	175,821	0	285,216		28,506	
Total	3,287,997,102	1,659,238,707	198,704,080	3,333,141	856,789,731	474,494,808	5,239,247	455,332	63,217,775	26,315,392		208,889	
NON REQ'T SALES REVENUE													
PROD_DEMAND	4,765,270	2,353,310	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752		76	
PROD_ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021		3,793	
TRANSMISSION	44,493	25,292	2,680	23	10,790	5,681	25	3	0	0		0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0		0	
Total	134,862,350	58,583,714	6,844,049	109,875	38,926,945	29,014,658	148,724	16,520	921,222	292,773		3,869	
FUNCT REQ'TS RATE SCHED REV													
PROD_DEMAND	1,006,352,644	478,928,306	55,062,229	573,670	292,830,479	170,729,836	1,087,937	88,167	5,940,832	1,092,044		19,145	
PROD_ENERGY	1,325,379,380	574,268,202	68,584,852	1,081,973	423,488,580	247,033,693	1,737,954	161,653	7,852,235	1,129,744		40,494	
TRANSMISSION	118,815,507	63,042,525	7,128,536	41,909	34,175,938	14,320,562	99,473	6,564	0	0		0	
DIST_SUBS	57,204,621	34,620,500	3,412,400	10,095	12,948,432	5,153,289	495,910	1,569	453,723	64,007		44,694	
DIST_PRIMARY	95,197,453	60,513,779	5,912,061	18,890	21,552,486	5,569,587	789,575	2,889	685,546	80,458		72,181	
DIST_L_XFMR	42,881,927	26,788,419	2,678,612	7,374	10,446,241	2,116,840	406,307	1,162	388,807	48,163		0	
DIST_SEC_SERV	98,853,930	20,770,323	2,019,359	6,439	5,662,680	0	95,747	986	46,975,410	23,322,986		0	
CUSTOMER	408,449,290	341,722,940	47,061,981	1,482,916	16,757,949	556,341	377,620	175,821	0	285,216		28,506	
Total	3,153,134,751	1,600,654,993	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619		205,020	

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE												
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
PRODUCTION O&M EXPENSE:												
FUEL & PURCHASED POWER:												
OM PROD ENERGY - FUEL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	
OM NC REPS RECS EXPENSE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065	
OM DEFERRED FUEL EXPENSE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	
OM PROD PURCHASES - CAPACITY COST												
PROD_DEMAND	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062	



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE											
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OM PROD PURCHASES - ENERGY COST											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658
TOTAL FUEL, DEF. FUEL & PURCH POWER											
PROD_DEMAND	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062
PROD_ENERGY	973,125,414	419,135,410	56,800,476	1,127,395	278,922,952	206,288,921	1,087,793	150,911	7,400,578	2,180,116	30,863
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,039,674,164	452,000,250	60,457,716	1,172,566	296,770,826	218,024,337	1,145,108	157,639	7,653,349	2,260,449	31,925
OM PROD FIXED O&M											
PROD_DEMAND	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055
ENERGY RELATED:											
OM PROD VARIABLE O&M											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

Op. Exp. NC - 1

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE

TRANSMISSION O&M EXPENSE:  
OM TRANSMISSION EXP - TRANS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0	0	0	0	0	0	0	0	0

OM TRANS EXP - OTH PROD RELATED

PROD_DEMAND	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION O&M

PROD_DEMAND	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22,342,106	12,571,440	1,336,423	11,655	5,462,394	2,936,808	13,000	1,706	6,566	2,087	0	0	0	0	0	0	0	0	0

DISTRIBUTION O&M EXPENSE:  
OM OVERHEAD LINES

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	25,128,992	16,687,436	1,571,911	6,151	5,054,939	1,487,885	160,383	906	109,178	34,698	15,505	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	6,203,359	4,654,500	434,814	1,716	1,056,303	0	15,643	253	30,452	9,678	0	0	0	0	0	0	0	0	0
CUSTOMER	79,202,344	67,534,693	9,007,652	338,296	2,132,285	10,617	42,586	43,898	88,809	3,509	0	0	0	0	0	0	0	0	0
Total	110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014	0	0	0	0	0	0	0	0

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
OM DISTRIBUTION RENTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	474,886	315,358	29,706	116	95,528	28,118	3,031	17	2,063	656	293
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	117,231	87,960	8,217	32	19,962	0	296	5	575	183	0
	CUSTOMER	1,496,760	1,276,266	170,226	6,393	40,296	201	805	830	0	1,678	66
	Total	2,088,877	1,679,584	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359
	OM LOAD DISPATCH	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414
OM DISTRIBUTION EXP - MISC & SUPERVISION		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	2,868,850	1,836,184	171,722	677	550,675	274,308	17,648	100	12,013	3,818	1,706
	DIST_PRIMARY	2,817,820	1,888,498	177,231	696	568,397	146,707	18,150	102	12,356	3,927	1,755
	DIST_L_XFMR	2,586,230	1,748,656	164,051	645	524,773	116,310	16,624	95	11,441	3,636	0
	DIST_SEC_SERV	3,344,695	710,159	66,342	262	161,165	0	2,387	39	1,261,257	1,143,085	0
	CUSTOMER	11,031,208	9,288,580	1,237,528	46,478	418,082	18,293	8,131	4,619	0	8,910	588
	Total	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049
	OM CUSTOMER INSTALLATIONS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		4,525,221	0	0	0	0	0	0	0	4,525,221	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		4,525,221	0	0	0	0	0	0	0	4,525,221	0	0



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE													
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
OM SUBSTATIONS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0		
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968	
	PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11	
OM DISTRIBUTION EXP - DSM/EE	PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21	
	PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11	
	TOTAL DISTRIBUTION O&M	PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS		10,237,860	6,552,660	612,811	2,415	1,965,154	978,903	62,978	356	42,871	13,625	6,088	
DIST_PRIMARY		32,273,055	21,494,940	2,022,344	7,923	6,497,778	1,837,018	206,588	1,167	140,631	44,694	19,972	
DIST_L_XFMR		3,258,756	2,203,378	206,711	812	661,236	146,555	20,947	120	14,416	4,581	0	
DIST_SEC_SERV		22,974,727	6,668,273	622,936	2,458	1,513,314	0	22,411	362	5,825,459	8,319,514	0	
CUSTOMER		104,962,472	88,411,665	11,780,781	442,432	3,917,736	162,857	80,025	53,420	0	106,845	6,711	
Total		176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792	

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
CUST. ACCOUNTING EXPENSE:																
OM METER READING																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	0	0	274			
Total	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	0	0	274			
OM CUST ACCT EXP - MISC																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	0	0	0	58			
Total	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	0	0	0	58			
OM UNCOLLECTIBLES																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	0	0	0	495			
Total	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	0	0	0	495			
OM CUSTOMER RECORDS, EXCL REPS																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	0	0	0	1,922			
Total	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	0	0	0	1,922			
TOTAL CUST ACCT EXPENSE																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	0	0	0	2,749			
Total	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	0	0	0	2,749			

DUKE ENERGY PROGRESS, LLC  
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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
CUST. SERV & INFO EXPENSE: OM CUST SERV & INFO - CUST ASSIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
	Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
TOTAL CUST SERV & INFO EXP	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
	Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
TOTAL SALES EXPENSE	PROD_DEMAND	692	432	50	1	196	11	1	0	1	0	0	692	432	50	1	196	11	1	0	0	0	0	0
	PROD_ENERGY	692	432	50	1	196	11	1	0	1	0	0	692	432	50	1	196	11	1	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378	378
	Total	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378	378
A&G REGULATORY EXPENSE: OM REGULATORY FEE - NCRETAIL	PROD_DEMAND	2,346,020	1,158,573	128,927	1,592	629,185	413,705	2,021	237	8,911	2,832	37	2,346,020	1,158,573	128,927	1,592	629,185	413,705	2,021	237	8,911	2,832	37	37
	PROD_ENERGY	1,857,219	802,639	93,959	1,523	537,492	402,263	2,065	229	12,897	4,099	54	1,857,219	802,639	93,959	1,523	537,492	402,263	2,065	229	12,897	4,099	54	54
	TRANSMISSION	186,830	106,204	11,252	95	45,307	23,855	104	14	0	0	0	186,830	106,204	11,252	95	45,307	23,855	104	14	0	0	0	0
	DIST_SUBS	113,043	72,352	6,766	27	21,699	10,809	695	4	473	150	67	113,043	72,352	6,766	27	21,699	10,809	695	4	473	150	67	67
	DIST_PRIMARY	174,269	116,095	10,922	43	35,089	9,890	1,116	6	760	241	108	174,269	116,095	10,922	43	35,089	9,890	1,116	6	760	241	108	108
	DIST_L_XFMR	23,671	16,005	1,501	6	4,803	1,065	152	1	105	33	0	23,671	16,005	1,501	6	4,803	1,065	152	1	105	33	0	0
	DIST_SEC_SERV	99,238	36,288	3,390	13	8,235	0	122	2	8,298	42,890	0	99,238	36,288	3,390	13	8,235	0	122	2	8,298	42,890	0	0
	CUSTOMER	1,100,575	928,536	123,750	4,647	39,541	1,491	835	566	0	1,135	73	1,100,575	928,536	123,750	4,647	39,541	1,491	835	566	0	1,135	73	73
	Total	5,900,866	3,236,692	380,467	7,946	1,321,351	863,077	7,110	1,060	31,443	51,380	340	5,900,866	3,236,692	380,467	7,946	1,321,351	863,077	7,110	1,060	31,443	51,380	340	340
OM REGULATORY EXPENSE-SCRETAIL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE

O&M ADJUSTMENTS:

ADJOM FUEL CLAUSE - FUEL REL

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547	0	0	0	0	0	0	0	0

ADJOM FUEL CLAUSE - REM ENERGY

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)	0	0	0	0	0	0	0	0

ADJOM DEFERRED FUEL

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035	0	0	0	0	0	0	0	0

TOTAL FUEL ADJUSTMENTS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)	0	0	0	0	0	0	0	0

ADJOM PUR CAP COST ADJ

PROD_DEMAND	(1,943,824)	(959,950)	(106,824)	(1,319)	(521,319)	(342,780)	(1,674)	(197)	(7,383)	(2,346)	(31)	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,943,824)	(959,950)	(106,824)	(1,319)	(521,319)	(342,780)	(1,674)	(197)	(7,383)	(2,346)	(31)	0	0	0	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																				
TOTAL PURCHASE POWER ADJ.																				
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
	(1,943,824)	0	0	0	0	0	0	0	(1,943,824)	(959,950)	(106,824)	(1,319)	(521,319)	(342,780)	(1,674)	(197)	(7,383)	(2,346)	(31)	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0													

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJOM NCUC FEE - CUSTOMER GROWTH	PROD_DEMAND	12,122	(11,015)	1,392	32	17,724	3,625	392	4	0	(35)	1
	PROD_ENERGY	12,211	(7,628)	1,015	31	14,909	3,529	401	4	0	(50)	2
	TRANSMISSION	647	(1,010)	122	2	1,304	209	20	0	0	0	2
	DIST_SUBS	266	(689)	73	1	650	95	135	0	0	(2)	2
	DIST_PRIMARY	401	(1,105)	118	1	1,050	120	217	0	0	(3)	4
	DIST_L_XFMR	51	(152)	16	0	144	13	30	0	0	(0)	4
	DIST_SEC_SERV	(559)	(345)	37	0	253	0	24	0	0	(528)	0
	CUSTOMER	(6,013)	(8,852)	1,336	93	1,230	18	162	11	0	(14)	2
	Total	19,125	(30,796)	4,109	160	37,265	7,609	1,381	20	0	(632)	12
	ADJOM REMOVE REPS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)
ADJOM REMOVE DSM		PROD_DEMAND	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)
	PROD_ENERGY	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(72,128,445)	(45,038,504)	(5,246,195)	(85,893)	(20,380,404)	(1,098,421)	(110,004)	(12,932)	(116,400)	(39,212)	(480)
	ADJOM REMOVE DSM - PLANT RELATED	PROD_DEMAND	(268,226)	(132,463)	(14,741)	(182)	(71,936)	(47,300)	(231)	(27)	(1,019)	(324)
PROD_ENERGY		(1,278)	(553)	(65)	(1)	(370)	(277)	(1)	(0)	(9)	(3)	(0)
TRANSMISSION		(40,945)	(23,073)	(2,444)	(21)	(9,843)	(5,538)	(23)	(3)	0	0	0
DIST_SUBS		(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)
DIST_PRIMARY		(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)
DIST_L_XFMR		(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0
DIST_SEC_SERV		(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0
CUSTOMER		(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)
Total		(476,148)	(269,470)	(30,578)	(563)	(98,347)	(57,157)	(713)	(67)	(10,432)	(8,787)	(34)
TOTAL DSM RELATED ADJ TO O&M		PROD_DEMAND	(36,332,449)	(22,651,715)	(2,637,838)	(43,129)	(10,262,138)	(596,510)	(55,233)	(6,493)	(59,219)	(19,930)
	PROD_ENERGY	(36,065,501)	(22,519,805)	(2,623,162)	(42,948)	(10,190,572)	(549,487)	(55,003)	(6,466)	(58,209)	(19,609)	(240)
	TRANSMISSION	(40,945)	(23,073)	(2,444)	(21)	(9,843)	(5,538)	(23)	(3)	0	0	0
	DIST_SUBS	(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)
	DIST_PRIMARY	(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)
	DIST_L_XFMR	(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0
	DIST_SEC_SERV	(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0
	CUSTOMER	(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)
	Total	(72,604,592)	(45,307,974)	(5,276,773)	(86,456)	(20,478,751)	(1,155,577)	(110,717)	(12,998)	(126,832)	(47,999)	(514)

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COS DETAIL - OPER. EXPENSE													
ADJOM JAAR PROD DEMAND REL													
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
PROD_DEMAND	(43,947,647)	(21,703,374)	(2,415,178)	(29,830)	(11,786,429)	(7,749,866)	(37,850)	(4,443)	(166,926)	(53,051)		(701)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(43,947,647)	(21,703,374)	(2,415,178)	(29,830)	(11,786,429)	(7,749,866)	(37,850)	(4,443)	(166,926)	(53,051)		(701)	
ADJOM JAAR A&G REL													
PROD_DEMAND	(18,865,854)	(9,316,828)	(1,036,788)	(12,805)	(5,059,680)	(3,326,864)	(16,248)	(1,907)	(71,658)	(22,774)		(301)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(18,865,854)	(9,316,828)	(1,036,788)	(12,805)	(5,059,680)	(3,326,864)	(16,248)	(1,907)	(71,658)	(22,774)		(301)	
ADJOM EXECUTIVE COMPENSATION													
PROD_DEMAND	(949,137)	(468,728)	(52,161)	(644)	(254,551)	(167,374)	(817)	(96)	(3,605)	(1,146)		(15)	
PROD_ENERGY	(751,381)	(324,726)	(38,013)	(616)	(217,455)	(162,745)	(835)	(93)	(5,218)	(1,658)		(22)	
TRANSMISSION	(75,587)	(42,967)	(4,552)	(38)	(18,330)	(9,651)	(42)	(6)	0	0		0	
DIST_SUBS	(45,734)	(29,272)	(2,738)	(11)	(8,779)	(4,373)	(281)	(2)	(192)	(61)		(27)	
DIST_PRIMARY	(70,505)	(46,969)	(4,419)	(17)	(14,196)	(4,001)	(451)	(3)	(307)	(98)		(44)	
DIST_L_XFMR	(9,577)	(6,475)	(607)	(2)	(1,943)	(431)	(62)	(0)	(42)	(13)		0	
DIST_SEC_SERV	(40,149)	(14,681)	(1,371)	(5)	(3,332)	0	(49)	(1)	(3,357)	(17,352)		0	
CUSTOMER	(445,263)	(375,661)	(50,066)	(1,880)	(15,997)	(603)	(338)	(229)	(0)	(459)		(30)	
Total	(2,387,332)	(1,309,479)	(153,927)	(3,215)	(534,583)	(349,178)	(2,877)	(429)	(12,721)	(20,787)		(137)	
ADJOM NON LABOR, NON FUEL INFLATION													
PROD_DEMAND	734,700	362,829	40,376	499	197,041	129,559	633	74	2,791	887		12	
PROD_ENERGY	4,490	1,941	227	4	1,299	973	5	1	31	10		0	
TRANSMISSION	138,287	77,653	8,227	69	33,127	19,124	76	10	0	0		0	
DIST_SUBS	54,309	34,760	3,251	13	10,425	5,193	344	2	227	72		32	
DIST_PRIMARY	53,496	35,851	3,365	13	10,791	2,787	345	2	235	75		33	
DIST_L_XFMR	48,770	32,975	3,094	12	9,896	2,193	313	2	216	69		0	
DIST_SEC_SERV	63,239	13,464	1,258	5	3,056	0	45	1	23,776	21,634		0	
CUSTOMER	212,393	178,865	23,831	895	8,024	349	156	89	0	173		11	
Total	1,309,684	738,338	83,628	1,510	273,658	160,178	1,908	181	27,276	22,919		89	
ADJOM YEAR END PAYROLL													
PROD_DEMAND	(7,324,741)	(3,617,295)	(402,537)	(4,972)	(1,964,440)	(1,291,668)	(6,308)	(740)	(27,821)	(8,842)		(117)	
PROD_ENERGY	(5,798,607)	(2,505,997)	(293,357)	(4,754)	(1,678,158)	(1,255,945)	(6,447)	(715)	(40,267)	(12,797)		(169)	
TRANSMISSION	(583,321)	(331,590)	(35,130)	(297)	(141,456)	(74,480)	(326)	(43)	0	0		0	
DIST_SUBS	(352,943)	(225,898)	(21,126)	(83)	(67,747)	(33,747)	(2,171)	(12)	(1,478)	(470)		(210)	
DIST_PRIMARY	(544,102)	(362,471)	(34,100)	(134)	(109,555)	(30,877)	(3,484)	(20)	(2,371)	(754)		(337)	
DIST_L_XFMR	(73,905)	(49,970)	(4,688)	(18)	(14,996)	(3,324)	(475)	(3)	(327)	(104)		0	
DIST_SEC_SERV	(309,842)	(113,299)	(10,584)	(42)	(25,712)	0	(381)	(6)	(25,908)	(133,910)		0	
CUSTOMER	(3,436,213)	(2,899,074)	(386,372)	(14,510)	(123,454)	(4,655)	(2,607)	(1,769)	(0)	(3,543)		(228)	
Total	(18,423,674)	(10,105,594)	(1,187,894)	(24,809)	(4,125,520)	(2,694,696)	(22,199)	(3,308)	(98,173)	(160,420)		(1,061)	

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COS DETAIL - OPER. EXPENSE														
ADJOM EXPIRING O&M AMORT-ENERGY REL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669	9	9	9
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	303,053	130,971	15,332	248	87,706	65,639	337	37	2,104	669	9	9	9
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJOM EXPIRING O&M AMORT-PROD DEM REL	PROD_ENERGY	1,184,394	584,908	65,089	804	317,646	208,860	1,020	120	4,499	1,430	19	19	19
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	1,184,394	584,908	65,089	804	317,646	208,860	1,020	120	4,499	1,430	19	19	19
	PROD_DEMAND	73,617	36,356	4,046	50	19,744	12,982	63	7	280	89	1	1	1
	PROD_ENERGY	58,279	25,186	2,948	48	16,866	12,623	65	7	405	129	2	2	2
ADJOM EXPIRING O&M AMORT-LABOR REL	TRANSMISSION	5,863	3,333	353	3	1,422	749	3	0	0	0	0	0	0
	DIST_SUBS	3,547	2,270	212	1	681	339	22	15	5	2	2	2	2
	DIST_PRIMARY	5,468	3,643	343	1	1,101	310	35	24	8	3	3	3	3
	DIST_L_XFMR	743	502	47	0	151	33	5	3	1	1	0	0	0
	DIST_SEC_SERV	3,114	1,139	106	0	258	0	4	260	1,346	36	2	2	2
	CUSTOMER	34,536	29,137	3,883	146	1,241	47	26	18	0	0	2	2	2
	Total	185,167	101,566	11,939	249	41,463	27,083	223	33	987	1,612	11	11	11
	PROD_DEMAND	(1,465,519)	(723,741)	(80,539)	(995)	(393,041)	(258,434)	(1,262)	(148)	(5,566)	(1,769)	(23)	(23)	(23)
	PROD_ENERGY	(1,160,174)	(501,395)	(58,694)	(951)	(335,763)	(251,287)	(1,290)	(143)	(8,057)	(2,560)	(34)	(34)	(34)
	ADJOM MERGER RELATED- LAB RELATED	TRANSMISSION	(116,710)	(66,344)	(7,029)	(59)	(28,302)	(14,902)	(65)	(9)	0	0	0	0
DIST_SUBS		(70,616)	(45,197)	(4,227)	(17)	(13,555)	(6,752)	(434)	(2)	(296)	(94)	(42)	(42)	(42)
DIST_PRIMARY		(108,863)	(72,522)	(6,823)	(27)	(21,920)	(6,178)	(697)	(4)	(474)	(151)	(67)	(67)	(67)
DIST_L_XFMR		(14,787)	(9,998)	(938)	(4)	(3,000)	(65)	(95)	(1)	(65)	(21)	0	0	0
DIST_SEC_SERV		(61,993)	(22,669)	(2,118)	(8)	(5,144)	0	(76)	(1)	(5,184)	(26,792)	0	0	0
CUSTOMER		(687,511)	(580,041)	(77,305)	(2,903)	(24,701)	(931)	(522)	(354)	(0)	(709)	(46)	(46)	(46)
Total		(3,686,172)	(2,021,907)	(237,672)	(4,964)	(825,426)	(539,149)	(4,442)	(662)	(19,642)	(32,096)	(212)	(212)	(212)
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0
ADJOM MERGER RELATED- CUST RELATED		TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	(19)	(19)
	Total	(334,834)	(285,295)	(38,054)	(1,429)	(9,208)	(66)	(202)	(185)	(0)	(375)	(19)	(19)	(19)

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COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJOM NCUC FEE - MISC REVENUE CUST REL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(0)	(5)	(0)	(0)	(0)	(0)	(0)	(0)	(1)	(2)	(0)	(0)	(5)	(0)
	Total	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(0)	(5)	(0)	(0)	(0)	(0)	(0)	(0)	(1)	(2)	(0)	(0)	(5)	(0)
	PROD_DEMAND	(92,983)	(45,919)	(5,110)	(63)	(24,937)	(16,397)	(80)	(9)	(353)	(112)	(1)	(92,983)	(45,919)	(5,110)	(63)	(24,937)	(16,397)	(80)	(9)	(353)	(112)	(1)	(1)
ADJOM NCUC FEE	PROD_ENERGY	(73,610)	(31,812)	(3,724)	(60)	(21,303)	(15,943)	(82)	(9)	(511)	(162)	(2)	(73,610)	(31,812)	(3,724)	(60)	(21,303)	(15,943)	(82)	(9)	(511)	(162)	(2)	(2)
	TRANSMISSION	(7,405)	(4,209)	(446)	(4)	(1,796)	(945)	(4)	(1)	0	0	0	(7,405)	(4,209)	(446)	(4)	(1,796)	(945)	(4)	(1)	0	0	0	0
	DIST_SUBS	(4,480)	(2,868)	(268)	(1)	(860)	(428)	(28)	(0)	(19)	(6)	(3)	(4,480)	(2,868)	(268)	(1)	(860)	(428)	(28)	(0)	(19)	(6)	(3)	(3)
	DIST_PRIMARY	(6,907)	(4,601)	(433)	(2)	(1,391)	(392)	(44)	(0)	(30)	(10)	(4)	(6,907)	(4,601)	(433)	(2)	(1,391)	(392)	(44)	(0)	(30)	(10)	(4)	(4)
	DIST_L_XFMR	(938)	(634)	(60)	(0)	(190)	(42)	(6)	(0)	(4)	(1)	0	(938)	(634)	(60)	(0)	(190)	(42)	(6)	(0)	(4)	(1)	0	0
	DIST_SEC_SERV	(3,933)	(1,438)	(134)	(1)	(326)	0	(5)	(0)	(329)	(1,700)	(45)	(3,933)	(1,438)	(134)	(1)	(326)	0	(5)	(0)	(329)	(1,700)	(45)	(3)
	CUSTOMER	(43,621)	(36,802)	(4,905)	(184)	(1,567)	(59)	(33)	(22)	(0)	(0)	(45)	(43,621)	(36,802)	(4,905)	(184)	(1,567)	(59)	(33)	(22)	(0)	(0)	(45)	(3)
	Total	(233,877)	(128,284)	(15,080)	(315)	(52,371)	(34,208)	(282)	(42)	(1,246)	(2,036)	(13)	(233,877)	(128,284)	(15,080)	(315)	(52,371)	(34,208)	(282)	(42)	(1,246)	(2,036)	(13)	(13)
	PROD_DEMAND	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(5,600)	(1,780)	(24)	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(5,600)	(1,780)	(24)	(24)
ADJOM PLANT RETIREMENT - DEM	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(5,600)	(1,780)	(24)	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(5,600)	(1,780)	(24)	(24)
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	(144)
ADJOM PLANT RETIREMENT - ENERGY	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,637)	(1,066,209)	(5,473)	(607)	(34,184)	(10,864)	(144)	(144)
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	144
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADJOM ONGOING EXP - ENERGY REL	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	34,296	10,900	144	144

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		ADJOM ASHEVILLE CC DEFERRAL														ADJOM UNCOLLECTIBLES														TOTAL O&M ADJUSTMENTS													
		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total											
		6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97	6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PROD_ENERGY	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TRANSMISSION	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	0	0	0	0	0	0	0	0	0									
		6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97	6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97	Total	0	0	0	0	0	0	0	0	0										
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PROD_DEMAND	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PROD_ENERGY	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TRANSMISSION	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Total	0	0	0	0	0	0	0	0	0									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PROD_DEMAND	(121,650,819)	(64,790,627)	(7,338,454)	(101,076)	(33,102,787)	(15,668,846)	(128,287)	(15,079)	(381,649)	(122,418)	(1,597)							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PROD_ENERGY	(98,982,082)	(47,251,520)	(11,284,136)	(384,579)	7,098,779	(45,965,990)	70,314	(42,219)	(1,044,974)	(174,214)	(3,542)							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TRANSMISSION	(701,260)	(400,254)	(43,395)	(360)	(167,694)	(89,137)	(371)	(50)	0	0	0							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	(961,687)	(615,778)	(58,184)	(227)	(183,294)	(92,654)	(5,768)	(33)	(3,940)	(1,253)	(556)							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	(396,997)	(267,318)	(26,029)	(99)	(78,113)	(20,755)	(2,329)	(13)	(1,607)	(512)	(223)							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	(158,302)	(107,145)	(10,184)	(40)	(31,849)	(7,195)	(986)	(6)	(681)	(217)	0							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	(540,696)	(105,987)	(10,200)	(39)	(23,550)	0	(330)	(5)	(44,961)	(355,624)	0							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	(1,350,465)	(1,060,383)	(151,457)	(5,364)	(118,140)	(11,773)	(2,375)	(288)	0	(479)	(206)							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Total	(224,742,309)	(114,599,011)	(18,922,040)	(491,784)	(26,606,648)	(61,856,349)	(70,132)	(57,694)	(1,477,812)	(654,716)	(6,124)							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PROD_DEMAND	273,322,535	134,974,496	15,008,781	185,485	73,344,147	48,171,530	235,828	27,670	1,039,789	330,439	4,369							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	PROD_ENERGY	1,265,647,949	548,014,597	66,121,522	1,077,154	399,078,917	237,858,520	1,608,293	158,983	8,882,084	2,809,950	37,929							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TRANSMISSION	29,169,134	16,577,406	1,755,283	14,827	7,074,966	3,728,176	16,308	2,169	0	0	0							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SUBS	14,156,046	9,060,205	846,723	3,339	2,718,550	1,352,843	87,227	492	59,365	18,866	8,434							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_PRIMARY	39,271,856	26,155,462	2,459,873	9,640	7,908,898	2,234,921	251,620	1,421	171,265	54,428	24,327							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_L_XFMR	4,279,499	2,893,434	271,317	1,066	868,628	192,385	27,539	157	18,950	6,022	0							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DIST_SEC_SERV	26,783,401	8,112,095	757,517	2,990	1,841,481	0	27,290	441	6,221,902	9,819,684	0							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	CUSTOMER	209,459,077	177,155,810	23,603,622	886,754	7,101,815	226,884	148,726	107,492	0	215,113	12,861							
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Total	1,862,089,497	922,943,505	110,824,638	2,181,256	499,937,403	293,765,258	2,402,832	298,825	16,393,356	13,254,503	87,921							

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:												
PRODUCTION FUNCTION:												
DPE PRODUCTION RELATED												
DPE EXT. DECOM. TRUST-PROD	307,399,059	151,807,823	16,893,361	208,651	82,442,118	54,207,717	264,750	31,076	1,167,588	371,071	4,904	
DPE CONTRA AFUDC NC RET-PROD	17,337,167	8,561,892	952,778	11,768	4,649,698	3,057,291	14,932	1,753	65,851	20,928	277	
DPE CONTRA AFUDC SC RET-PROD	(6,208,430)	(3,066,009)	(341,189)	(4,214)	(1,665,054)	(1,094,814)	(5,347)	(628)	(23,581)	(7,494)	(99)	
DPE CONTRA AFUDC WHSL - PROD	0	0	0	0	0	0	0	0	0	0	0	
DPE HARRIS PLANT DISALLOW-NCR	(4,932,690)	(2,435,990)	(271,080)	(3,348)	(1,322,910)	(869,846)	(4,248)	(499)	(18,736)	(5,954)	(79)	
DPE HARRIS PLANT DISALLOW-SCR	0	0	0	0	0	0	0	0	0	0	0	
DPE HARRIS PLANT DISALLOW-WHSL	0	0	0	0	0	0	0	0	0	0	0	
DPE HARRIS PLT. DISALLOW-NCENPA	0	0	0	0	0	0	0	0	0	0	0	
DPE OTHER NC RETAIL SPECIFIC EXPENSE	(12,655,516)	(6,249,877)	(695,494)	(8,590)	(3,394,114)	(2,231,713)	(10,900)	(1,279)	(48,069)	(15,277)	(202)	
DPE OTHER SC RETAIL SPECIFIC EXPENSE	0	0	0	0	0	0	0	0	0	0	0	
DPE RATE DIFF. PROD.- SC	0	0	0	0	0	0	0	0	0	0	0	
DPE RATE DIFF. PROD. - WHSL	0	0	0	0	0	0	0	0	0	0	0	
DPE RATE DIFF. PROD.- NCENPA	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PRODUCTION PLT DEPR.												
PROD_DEMAND	300,939,591	148,617,840	16,538,376	204,267	80,709,737	53,068,634	259,186	30,423	1,143,054	363,273	4,801	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	300,939,591	148,617,840	16,538,376	204,267	80,709,737	53,068,634	259,186	30,423	1,143,054	363,273	4,801	
DPE TRANS RELATED - PROD												
PROD_DEMAND	2,112,112	1,043,058	116,073	1,434	566,453	372,456	1,819	214	8,022	2,550	34	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	2,112,112	1,043,058	116,073	1,434	566,453	372,456	1,819	214	8,022	2,550	34	
DPE TRANS RELATED - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	26,273,453	14,935,182	1,582,290	13,360	6,371,340	3,354,657	14,672	1,952	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	26,273,453	14,935,182	1,582,290	13,360	6,371,340	3,354,657	14,672	1,952	0	0	0	



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL									
DPE TRANS RELATED - - SC RETAIL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - - OATT CONTRA	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE TRANS RELATED - NC RETAIL	TRANSMISSION	425	242	26	0	103	54	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	425	242	26	0	103	54	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION PLANT	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	19,220,182	12,301,722	1,150,468	4,535	3,689,308	1,837,756	118,232	668	80,485	25,579	11,430	0	0	0	0	0	0	0	0
	DIST_PRIMARY	18,878,305	12,652,208	1,187,382	4,664	3,808,040	982,883	121,600	687	82,778	26,307	11,756	0	0	0	0	0	0	0	0
	DIST_L_XFMR	17,326,741	11,715,318	1,099,078	4,318	3,515,779	779,231	111,372	636	76,648	24,359	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	22,408,159	4,757,789	444,463	1,754	1,079,744	0	15,990	258	8,449,933	7,658,228	0	0	0	0	0	0	0	0	0
	CUSTOMER	73,904,824	62,229,889	8,290,962	311,383	2,800,985	122,558	54,473	30,944	0	59,691	3,939	0	0	0	0	0	0	0	0
	Total	151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE DISTRIBUTION DEPRN - SCR	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY

TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
DPE DISTRIBUTION DEPRN - NC STORM																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	237,119	157,464	14,833	58	47,699	14,040	1,513	9	1,030	327	146					
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0					
DIST_SEC_SERV	58,535	43,920	4,103	16	9,967	0	148	2	287	91	0					
CUSTOMER	747,360	637,263	84,997	3,192	20,120	100	402	414	0	838	33					
Total	1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179					
DPE DISTRIBUTION DEPRN - SC STORM																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE GENERAL PLANT																
PROD_DEMAND	3,978,004	1,964,522	218,614	2,700	1,066,871	701,494	3,426	402	15,110	4,802	63					
PROD_ENERGY	2,343,443	1,012,771	118,557	1,921	678,209	507,576	2,605	289	16,274	5,172	68					
TRANSMISSION	2,781,155	1,568,348	166,157	1,403	669,056	374,445	1,541	205	0	0	0					
DIST_SUBS	1,438,907	920,961	86,129	339	276,198	137,582	8,851	50	6,025	1,915	856					
DIST_PRIMARY	1,493,105	999,793	93,862	369	301,102	78,767	9,609	54	6,541	2,079	929					
DIST_L_XFMR	1,198,437	810,313	76,020	299	243,176	53,897	7,703	44	5,302	1,685	0					
DIST_SEC_SERV	1,636,496	366,669	34,253	135	83,213	0	1,232	20	580,360	570,613	0					
CUSTOMER	7,393,119	6,237,731	831,246	31,218	266,850	10,349	5,344	3,367	0	6,601	414					
Total	22,262,666	13,881,107	1,624,838	38,384	3,584,674	1,864,111	40,312	4,431	629,611	592,866	2,331					
DPE GENERAL PLANT - SCR																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DPE AMORT LTD TERM PLT																
PROD_DEMAND	15,979,799	7,891,561	878,183	10,847	4,285,662	2,817,928	13,763	1,615	60,696	19,290	255					
PROD_ENERGY	76,167	32,917	3,853	62	22,043	16,497	85	9	529	168	2					
TRANSMISSION	2,439,342	1,374,607	145,631	1,230	586,407	329,937	1,350	180	0	0	0					
DIST_SUBS	1,242,986	795,563	74,402	293	238,591	118,849	7,646	43	5,205	1,654	739					
DIST_PRIMARY	1,223,470	819,939	76,951	302	246,790	63,732	7,880	45	5,364	1,705	762					
DIST_L_XFMR	1,117,327	755,471	70,875	278	226,718	50,249	7,182	41	4,943	1,571	0					
DIST_SEC_SERV	1,447,821	308,031	28,776	114	69,905	0	1,035	17	544,767	495,176	0					
CUSTOMER	4,839,954	4,075,781	543,027	20,394	183,000	7,964	3,564	2,035	0	3,930	259					
Total	28,366,867	16,053,871	1,821,697	33,521	5,859,115	3,405,157	42,506	3,985	621,504	523,493	2,017					

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL				
BOOK DEPRECIATION EXPENSE																
	PROD_DEMAND	323,009,506	159,516,981	17,751,245	219,247	86,628,723	56,960,513	278,194	32,654	1,226,881	389,914	5,153				
	PROD_ENERGY	2,419,609	1,045,688	122,410	1,984	700,352	524,074	2,690	298	16,802	5,340	71				
	TRANSMISSION	31,494,374	17,878,379	1,894,104	15,993	7,626,906	4,059,093	17,564	2,336	0	0	0				
	DIST_SUBS	21,902,076	14,018,247	1,310,999	5,167	4,204,097	2,094,188	134,729	761	91,715	29,148	13,025				
	DIST_PRIMARY	21,831,999	14,629,404	1,373,027	5,393	4,403,630	1,139,423	140,603	794	95,713	30,419	13,593				
	DIST_L_XFMR	19,642,505	13,281,101	1,245,973	4,896	3,985,672	883,378	126,257	721	86,892	27,615	0				
	DIST_SEC_SERV	25,551,011	5,476,409	511,595	2,019	1,242,829	0	18,406	297	9,575,347	8,724,109	0				
	CUSTOMER	86,885,258	73,180,665	9,750,231	366,188	3,270,955	140,971	63,783	36,761	0	71,059	4,645				
	Total	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486				
DEPRECIATION EXPENSE ADJUSTMENTS:																
ADIDPE FUEL - CATALYST REL																
	PROD_DEMAND	(1,665,775)	(822,636)	(91,544)	(1,131)	(446,748)	(293,748)	(1,435)	(168)	(6,327)	(2,011)	(27)				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0				
	Total	(1,665,775)	(822,636)	(91,544)	(1,131)	(446,748)	(293,748)	(1,435)	(168)	(6,327)	(2,011)	(27)				
ADIDPE REMOVE DSDR-TRANS																
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	(6,871)	(3,906)	(414)	(3)	(1,666)	(877)	(4)	(1)	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0				
	Total	(6,871)	(3,906)	(414)	(3)	(1,666)	(877)	(4)	(1)	0	0	0				
ADIDPE REMOVE DSDR-DIST																
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	(475,351)	(304,245)	(28,453)	(112)	(91,244)	(45,451)	(2,924)	(17)	(1,991)	(633)	(283)				
	DIST_PRIMARY	(466,896)	(312,913)	(29,366)	(115)	(94,180)	(24,309)	(3,007)	(17)	(2,047)	(651)	(291)				
	DIST_L_XFMR	(428,523)	(289,742)	(27,182)	(107)	(86,952)	(19,272)	(2,754)	(16)	(1,896)	(602)	0				
	DIST_SEC_SERV	(554,196)	(117,669)	(10,992)	(43)	(26,704)	0	(395)	(6)	(208,983)	(189,402)	0				
	CUSTOMER	(1,827,806)	(1,539,063)	(205,051)	(7,701)	(69,274)	(3,031)	(1,347)	(765)	0	(1,476)	(97)				
	Total	(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)				
ADIDPE REMOVE DSDR-GEN																
	PROD_DEMAND	(112,663)	(55,638)	(6,191)	(76)	(30,215)	(19,867)	(97)	(11)	(428)	(136)	(2)				
	PROD_ENERGY	(66,370)	(28,683)	(3,358)	(54)	(19,208)	(14,375)	(74)	(8)	(461)	(146)	(2)				
	TRANSMISSION	(78,766)	(44,418)	(4,706)	(40)	(18,949)	(10,605)	(44)	(6)	0	0	0				
	DIST_SUBS	(40,752)	(26,083)	(2,439)	(10)	(7,822)	(3,897)	(251)	(1)	(171)	(54)	(24)				
	DIST_PRIMARY	(42,287)	(28,316)	(2,658)	(10)	(8,528)	(2,231)	(272)	(2)	(185)	(59)	(26)				
	DIST_L_XFMR	(33,942)	(22,949)	(2,153)	(8)	(6,887)	(1,526)	(218)	(1)	(150)	(48)	0				
	DIST_SEC_SERV	(46,348)	(10,385)	(970)	(4)	(2,357)	0	(35)	(1)	(16,437)	(16,161)	0				
	CUSTOMER	(209,384)	(176,662)	(23,542)	(884)	(7,558)	(293)	(151)	(95)	(0)	(187)	(12)				
	Total	(630,512)	(393,133)	(46,018)	(1,087)	(101,523)	(52,794)	(1,142)	(125)	(17,832)	(16,791)	(66)				

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE													
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJLPE REMOVE DSDR-INT	PROD_DEMAND	(439,609)	(217,099)	(24,159)	(298)	(117,900)	(77,522)	(379)	(44)	(1,670)	(531)	(7)	
	PROD_ENERGY	(2,095)	(906)	(106)	(2)	(606)	(454)	(2)	(0)	(15)	(5)	(0)	
	TRANSMISSION	(67,107)	(37,816)	(4,006)	(34)	(16,132)	(9,077)	(37)	(5)	0	0	0	
	DIST_SUBS	(34,195)	(21,886)	(2,047)	(8)	(6,564)	(3,270)	(210)	(1)	(143)	(46)	(20)	
	DIST_PRIMARY	(33,658)	(22,557)	(2,117)	(8)	(6,789)	(1,753)	(217)	(1)	(148)	(47)	(21)	
	DIST_L_XFMR	(30,738)	(20,783)	(1,950)	(8)	(6,237)	(1,382)	(198)	(1)	(136)	(43)	0	
	DIST_SEC_SERV	(39,830)	(8,474)	(792)	(3)	(1,923)	0	(28)	(0)	(14,987)	(13,622)	0	
	CUSTOMER	(133,149)	(112,126)	(14,939)	(561)	(5,034)	(219)	(98)	(56)	(0)	(108)	(7)	
	Total	(780,381)	(441,647)	(50,115)	(922)	(161,186)	(93,677)	(1,169)	(110)	(17,098)	(14,401)	(55)	
ADJLPE YE DEPR EXP-PROD	PROD_DEMAND	39,642,153	19,577,122	2,178,566	26,908	10,631,728	6,990,622	34,142	4,008	150,572	47,853	632	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	39,642,153	19,577,122	2,178,566	26,908	10,631,728	6,990,622	34,142	4,008	150,572	47,853	632	
ADJLPE YE DEPR EXP-TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	1,536,807	873,600	92,553	781	372,677	196,223	858	114	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	1,536,807	873,600	92,553	781	372,677	196,223	858	114	0	0	0	
ADJLPE YE DEPR EXP-DIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	(435,901)	(278,995)	(26,092)	(103)	(83,671)	(41,679)	(2,681)	(15)	(1,825)	(580)	(259)	
	DIST_PRIMARY	(428,147)	(286,944)	(26,929)	(106)	(86,364)	(22,291)	(2,758)	(16)	(1,877)	(597)	(267)	
	DIST_L_XFMR	(392,959)	(265,695)	(24,926)	(98)	(79,735)	(17,672)	(2,526)	(14)	(1,738)	(552)	0	
	DIST_SEC_SERV	(508,202)	(107,903)	(10,080)	(40)	(24,488)	0	(363)	(6)	(191,639)	(173,683)	0	
	CUSTOMER	(1,676,112)	(1,411,332)	(188,033)	(7,062)	(63,524)	(2,780)	(1,235)	(702)	0	(1,354)	(89)	
	Total	(3,441,320)	(2,350,869)	(276,061)	(7,408)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)	
ADJLPE YE DEPR EXP-GEN	PROD_DEMAND	689,691	340,601	37,903	468	184,970	121,622	594	70	2,620	833	11	
	PROD_ENERGY	406,297	175,590	20,555	333	117,585	88,002	452	50	2,821	897	12	
	TRANSMISSION	482,186	271,914	28,808	243	115,998	64,920	267	36	0	0	0	
	DIST_SUBS	249,472	159,673	14,933	59	47,886	23,854	1,535	9	1,045	332	148	
	DIST_PRIMARY	258,869	173,340	16,273	64	52,204	13,656	1,666	9	1,134	360	161	
	DIST_L_XFMR	207,781	140,489	13,180	52	42,161	9,344	1,336	8	919	292	0	
	DIST_SEC_SERV	283,729	63,572	5,939	23	14,427	0	214	3	100,621	98,931	0	
	CUSTOMER	1,281,791	1,081,474	144,118	5,413	46,265	1,794	926	584	0	1,144	72	
	Total	3,859,818	2,406,654	281,708	6,655	621,497	323,193	6,989	768	109,160	102,789	404	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
ADJPE ADDITIONS TO EPIS - PROD														
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
PROD_DEMAND	39,915,034	19,711,884	2,193,563	27,093	10,704,912	7,038,743	34,377	4,035	151,609	48,183	637			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	39,915,034	19,711,884	2,193,563	27,093	10,704,912	7,038,743	34,377	4,035	151,609	48,183	637			
ADJPE ADDITIONS TO EPIS - TRANS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	3,712,358	2,110,295	223,573	1,888	900,251	474,003	2,073	276	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	3,712,358	2,110,295	223,573	1,888	900,251	474,003	2,073	276	0	0	0			
ADJPE ADDITIONS TO EPIS - DIST														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	2,264,796	1,449,565	135,565	534	434,727	216,551	13,932	79	9,484	3,014	1,347			
DIST_PRIMARY	2,224,512	1,490,864	139,914	550	448,718	115,817	14,329	81	9,754	3,100	1,385			
DIST_L_XFMR	2,041,684	1,380,466	129,509	509	414,279	91,820	13,123	75	9,032	2,870	0			
DIST_SEC_SERV	2,640,450	560,631	52,373	207	127,231	0	1,884	30	995,692	902,402	0			
CUSTOMER	8,708,522	7,332,815	976,960	36,692	330,052	14,441	6,419	3,646	0	7,034	464			
Total	17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196			
ADJPE ADDITIONS TO EPIS - GEN														
PROD_DEMAND	603,477	298,025	33,165	410	161,848	106,419	520	61	2,292	728	10			
PROD_ENERGY	355,508	153,641	17,986	291	102,887	77,001	395	44	2,469	785	10			
TRANSMISSION	421,911	237,924	25,207	213	101,498	56,805	234	31	0	0	0			
DIST_SUBS	218,287	139,713	13,066	52	41,900	20,872	1,343	8	914	291	130			
DIST_PRIMARY	226,509	151,672	14,239	56	45,678	11,949	1,458	8	992	315	141			
DIST_L_XFMR	181,807	122,927	11,532	45	36,891	8,176	1,169	7	804	256	0			
DIST_SEC_SERV	248,262	55,625	5,196	21	12,624	0	187	3	88,043	86,564	0			
CUSTOMER	1,121,562	946,285	126,103	4,736	40,482	1,570	811	511	0	1,001	63			
Total	3,377,323	2,105,812	246,494	5,823	543,807	282,792	6,115	672	95,514	89,940	354			
ADJPE ADDITIONS TO EPIS - INT														
PROD_DEMAND	2,840,545	1,402,792	156,104	1,928	761,813	500,911	2,446	287	10,789	3,429	45			
PROD_ENERGY	13,539	5,851	685	11	3,918	2,933	15	2	94	30	0			
TRANSMISSION	433,614	244,348	25,887	219	104,239	58,649	240	32	0	0	0			
DIST_SUBS	220,951	141,418	13,226	52	42,412	21,126	1,359	8	925	294	131			
DIST_PRIMARY	217,482	145,751	13,679	54	43,869	11,329	1,401	8	954	303	135			
DIST_L_XFMR	198,614	134,291	12,599	50	40,301	8,932	1,277	7	879	279	0			
DIST_SEC_SERV	257,362	54,755	5,115	20	12,426	0	184	3	96,837	88,022	0			
CUSTOMER	860,343	724,505	96,528	3,625	32,530	1,416	634	362	0	699	46			
Total	5,042,452	2,853,712	323,822	5,959	1,041,508	605,296	7,556	708	110,478	93,055	358			



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPE NEW RATES - PROD												
PROD_DEMAND	77,599,152	38,322,038	4,264,523	52,671	20,811,510	13,684,079	66,833	7,845	294,743	93,672	1,238	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	77,599,152	38,322,038	4,264,523	52,671	20,811,510	13,684,079	66,833	7,845	294,743	93,672	1,238	
ADIDPE NEW RATES - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	5,010,270	2,848,095	301,738	2,548	1,214,996	639,723	2,798	372	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,010,270	2,848,095	301,738	2,548	1,214,996	639,723	2,798	372	0	0	0	0
ADIDPE NEW RATES - DIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(468,194)	(299,664)	(28,025)	(110)	(89,870)	(44,767)	(2,880)	(16)	(1,961)	(623)	(278)	
DIST_PRIMARY	(459,866)	(308,202)	(28,924)	(114)	(92,762)	(23,943)	(2,962)	(17)	(2,016)	(641)	(286)	
DIST_L_XFMR	(422,071)	(285,379)	(26,773)	(105)	(85,643)	(18,982)	(2,713)	(15)	(1,867)	(593)	0	
DIST_SEC_SERV	(545,852)	(115,897)	(10,827)	(43)	(26,302)	0	(390)	(6)	(205,836)	(186,551)	0	
CUSTOMER	(1,800,285)	(1,515,890)	(201,964)	(7,585)	(68,231)	(2,985)	(1,327)	(754)	0	(1,454)	(96)	
Total	(3,696,268)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)	
ADIDPE NEW RATES - GEN												
PROD_DEMAND	1,738,418	858,511	95,536	1,180	466,231	306,558	1,497	176	6,603	2,098	28	
PROD_ENERGY	1,024,102	442,588	51,810	840	296,382	221,815	1,139	126	7,112	2,260	30	
TRANSMISSION	1,215,385	685,380	72,612	613	292,383	163,635	673	90	0	0	0	
DIST_SUBS	628,813	402,467	37,639	148	120,701	60,125	3,868	22	2,633	837	374	
DIST_PRIMARY	652,498	436,917	41,018	161	131,584	34,422	4,199	24	2,859	908	406	
DIST_L_XFMR	523,726	354,113	33,221	131	106,270	23,553	3,366	19	2,317	736	0	
DIST_SEC_SERV	715,161	160,237	14,969	59	36,365	0	539	9	253,622	249,362	0	
CUSTOMER	3,230,849	2,725,935	363,261	13,643	116,615	4,523	2,335	1,471	275,145	259,087	181	
Total	9,728,952	6,066,148	710,066	16,774	1,566,529	814,630	17,617	1,936	275,145	259,087	1,019	
ADIDPE REMOVE JAAR												
PROD_DEMAND	(30,721,748)	(15,171,815)	(1,688,338)	(20,853)	(8,239,342)	(5,417,570)	(26,459)	(3,106)	(116,690)	(37,085)	(490)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(30,721,748)	(15,171,815)	(1,688,338)	(20,853)	(8,239,342)	(5,417,570)	(26,459)	(3,106)	(116,690)	(37,085)	(490)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPE REMOVE EXPIRING DEPR AMORT-PROD												
PROD_DEMAND	(186,678)	(92,190)	(10,259)	(127)	(50,066)	(32,919)	(161)	(19)	(709)	(225)	(3)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(186,678)	(92,190)	(10,259)	(127)	(50,066)	(32,919)	(161)	(19)	(709)	(225)	(3)	
ADIDPE ANNUALIZE DEPR AMORT-GEN												
PROD_DEMAND	471,586	232,891	25,916	320	126,476	83,161	406	48	1,791	569	8	
PROD_ENERGY	277,811	120,062	14,055	228	80,401	60,172	309	34	1,929	613	8	
TRANSMISSION	329,701	185,925	19,698	166	79,315	44,390	183	24	0	0	0	
DIST_SUBS	170,580	109,178	10,210	40	32,743	16,310	1,049	6	714	227	101	
DIST_PRIMARY	177,005	118,524	11,127	44	35,695	9,338	1,139	6	775	246	110	
DIST_L_XFMR	142,073	96,061	9,012	35	28,828	6,389	913	5	628	200	0	
DIST_SEC_SERV	194,004	43,468	4,061	16	9,865	0	146	2	68,801	67,645	0	
CUSTOMER	876,442	739,472	98,543	3,701	31,635	1,227	634	399	0	782	49	
Total	2,639,201	1,645,582	192,622	4,550	424,957	220,987	4,779	525	74,639	70,283	276	
ADIDPE MERGER IMPACTS - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	(169,616)	(96,419)	(10,215)	(86)	(41,132)	(21,657)	(95)	(13)	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(169,616)	(96,419)	(10,215)	(86)	(41,132)	(21,657)	(95)	(13)	0	0	0	
ADIDPE DECOMMISSIONING EXP												
PROD_DEMAND	3,626,511	1,790,938	199,298	2,462	972,603	639,510	3,123	367	13,775	4,378	58	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	3,626,511	1,790,938	199,298	2,462	972,603	639,510	3,123	367	13,775	4,378	58	
ADIDPE PLANT RETIREMENT - PROD												
PROD_DEMAND	(178,641)	(88,221)	(9,817)	(121)	(47,910)	(31,502)	(154)	(18)	(679)	(216)	(3)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(178,641)	(88,221)	(9,817)	(121)	(47,910)	(31,502)	(154)	(18)	(679)	(216)	(3)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
TOTAL DEPR EXP ADJUSTMENTS	PROD_DEMAND	133,821,453	66,087,201	7,354,265	90,833	35,889,908	23,598,496	115,255	13,528	508,292	161,540	2,135		
	PROD_ENERGY	2,008,793	868,144	101,627	1,647	581,359	435,093	2,233	248	13,950	4,433	59		
	TRANSMISSION	12,819,872	7,274,924	770,733	6,508	3,103,478	1,656,132	7,147	951	0	0	0		
	DIST_SUBS	2,298,507	1,471,141	137,582	542	441,198	219,774	14,139	80	9,625	3,059	1,367		
	DIST_PRIMARY	2,326,020	1,558,138	146,257	574	469,125	121,985	14,975	85	10,194	3,240	1,448		
	DIST_L_XFMR	1,987,453	1,343,798	126,069	495	403,275	89,381	12,775	73	8,792	2,794	0		
	DIST_SEC_SERV	2,644,540	577,959	53,992	213	131,163	0	1,942	31	965,733	913,506	0		
	CUSTOMER	10,432,773	8,795,415	1,171,982	44,015	383,959	15,663	7,599	4,601	0	8,966	573		
	Total	168,339,412	87,976,720	9,862,507	144,828	41,403,465	26,136,524	176,066	19,596	1,516,586	1,097,538	5,582		
	ADJ DEPRECIATION EXPENSE													

PROD_DEMAND	456,830,959	225,604,183	25,105,510	310,080	122,518,631	80,559,009	393,449	46,182	1,735,173	551,454	7,288			
PROD_ENERGY	4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	9,773	129			
TRANSMISSION	44,314,246	25,153,302	2,664,837	22,500	10,730,384	5,715,225	24,711	3,287	0	0	0			
DIST_SUBS	24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	14,392			
DIST_PRIMARY	24,158,019	16,187,542	1,519,284	5,967	4,872,755	1,261,408	155,578	879	105,908	33,658	15,040			
DIST_L_XFMR	21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	139,032	794	95,684	30,409	0			
DIST_SEC_SERV	28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	0			
CUSTOMER	97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	80,025	5,218			
Total	701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068			

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
OTHER AMORTIZATION EXPENSE:																
AMORT WHS SPEC - MAYO, RECS																
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
AMORT DSM/EE O&M DEFERRAL																						
PROD_DEMAND	(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)											
PROD_ENERGY	(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)											
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0											
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0											
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0											
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0											
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0											
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0											
Total	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,584)	(39,645)	(486)											
AMORT DSM/EE CAPITAL DEFERRAL																						
PROD_DEMAND	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)											
PROD_ENERGY	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)											
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0											
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0											
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0											
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0											
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0											
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0											
Total	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)											
AMORT NC REPS DEBIT																						
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0											
PROD_ENERGY	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)											
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0											
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0											
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0											
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0											
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0											
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0											
Total	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)											
AMORT NC REPS DEFERRAL																						
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0											
PROD_ENERGY	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,596	90,183	3,870											
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0											
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0											
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0											
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0											
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0											
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0											
Total	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,596	90,183	3,870											
AMORT SC DERP AMORTIZATION																						
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0											
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0											
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0											
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0											
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0											
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0											
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0											
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0											
Total	0	0	0	0	0	0	0	0	0	0	0											



DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
AMORT SC POLLUTION CNTL DPE DEF	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
AMORT RETIRED PLANT	PROD_ENERGY	17,546,379	8,665,211	964,275	11,910	4,705,807	3,094,184	15,112	1,774	66,646	21,181	280
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	17,546,379	8,665,211	964,275	11,910	4,705,807	3,094,184	15,112	1,774	66,646	21,181	280
	PROD_DEMAND	14,076,338	6,951,544	773,576	9,555	3,775,168	2,482,266	12,123	1,423	53,466	16,992	225
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
AMORT OTHER NC RETAIL PROD REL	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	14,076,338	6,951,544	773,576	9,555	3,775,168	2,482,266	12,123	1,423	53,466	16,992	225
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
AMORT SC DEFERRED ASH AMORTIZATION	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
AMORT WHL DEFERRED ASH AMORTIZATION	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
AMORT NC STORM DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	5,220,729	3,466,935	326,576	1,278	1,050,200	309,119	33,321	188	22,683	7,209	3,221	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	1,288,793	967,006	90,336	356	219,455	0	3,250	52	6,327	2,011	0	0	0
	CUSTOMER	16,454,857	14,030,818	1,871,404	70,283	442,998	2,206	8,848	9,120	0	18,451	729	0	0
	Total	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	0	0
	AMORT NC EDIT	PROD_DEMAND	(1,835,839)	(906,622)	(100,890)	(1,246)	(492,358)	(323,738)	(1,581)	(186)	(6,973)	(2,216)	(29)	0
PROD_ENERGY		(11,220)	(4,849)	(568)	(9)	(3,247)	(2,430)	(12)	(25)	(78)	(25)	(0)	0	0
TRANSMISSION		(345,546)	(194,037)	(20,557)	(174)	(82,776)	(47,787)	(191)	(15)	(0)	0	0	0	0
DIST_SUBS		(135,706)	(86,858)	(8,123)	(32)	(26,049)	(12,976)	(835)	(5)	(568)	(181)	(81)	0	0
DIST_PRIMARY		(133,674)	(89,584)	(8,407)	(33)	(26,964)	(6,965)	(861)	(5)	(586)	(186)	(83)	0	0
DIST_L_XFMR		(121,865)	(82,398)	(7,730)	(30)	(24,728)	(5,481)	(783)	(4)	(539)	(171)	0	0	0
DIST_SEC_SERV		(158,018)	(33,643)	(3,433)	(12)	(7,635)	0	(113)	(2)	(59,411)	(54,059)	0	0	0
CUSTOMER		(530,719)	(446,940)	(59,547)	(2,236)	(20,050)	(871)	(391)	(224)	(0)	(432)	(28)	0	0
Total		(3,272,588)	(1,844,930)	(208,965)	(3,773)	(683,807)	(400,247)	(4,767)	(452)	(68,156)	(57,269)	(222)	0	0
AMORT RETIRED METERS		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0	0
	Total	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0	0
	AMORT COR	PROD_DEMAND	575,758	284,336	31,641	391	154,414	101,531	496	58	2,187	695	9	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0
Total		575,758	284,336	31,641	391	154,414	101,531	496	58	2,187	695	9	0	0
AMORT NC RETAIL CONTINUING		PROD_DEMAND	1,118,783	552,507	61,484	759	300,049	197,290	964	113	4,249	1,351	18	0
	PROD_ENERGY	6,838	2,955	346	6	1,979	1,481	8	1	47	15	0	0	0
	TRANSMISSION	210,580	118,248	12,528	106	50,445	29,122	116	15	0	0	0	0	0
	DIST_SUBS	82,701	52,932	4,950	20	15,874	7,908	509	3	346	110	49	0	0
	DIST_PRIMARY	81,463	54,594	5,124	20	16,432	4,244	525	3	357	114	51	0	0
	DIST_L_XFMR	74,266	50,214	4,711	19	15,069	3,340	477	3	329	104	0	0	0
	DIST_SEC_SERV	96,298	20,502	1,915	8	4,653	0	69	1	36,206	32,944	0	0	0
	CUSTOMER	323,427	272,371	36,289	1,363	12,219	531	238	136	0	263	17	0	0
	Total	1,994,356	1,124,323	127,346	2,299	416,720	243,915	2,905	275	41,535	34,901	135	0	0

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
AMORT OTHER NC RETAIL SPECIFIC												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312	0
AMORT OTHER SC RETAIL SPECIFIC												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
AMORT DISP. OF ALLOWANCES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)	0
BOOK OTHER AMORTIZATIONS												
PROD_DEMAND	49,168,354	25,519,853	2,870,679	38,230	13,322,804	7,142,637	48,642	5,712	166,039	53,061	696	0
PROD_ENERGY	60,856,170	27,489,974	5,935,252	169,085	16,552,041	9,889,406	73,794	18,873	596,024	129,272	2,449	0
TRANSMISSION	(134,966)	(75,788)	(8,029)	(68)	(32,331)	(18,665)	(74)	(10)	0	0	0	0
DIST_SUBS	(53,005)	(33,925)	(3,173)	(13)	(10,174)	(5,068)	(326)	(2)	(222)	(71)	(32)	0
DIST_PRIMARY	5,168,517	3,431,944	323,292	1,265	1,039,668	306,399	32,984	186	22,454	7,136	3,189	0
DIST_L_XFMR	(47,599)	(32,183)	(3,019)	(12)	(9,658)	(2,141)	(306)	(2)	(211)	(67)	0	0
DIST_SEC_SERV	1,227,073	953,865	89,108	352	216,472	0	3,206	52	(16,879)	(19,104)	850	0
CUSTOMER	16,624,979	14,122,383	1,883,069	70,721	501,008	9,478	10,134	9,055	(0)	18,282	7,153	0
Total	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	850	0
ADJAM REMOVE DSM												
PROD_DEMAND	(9,483,105)	(5,921,449)	(689,745)	(11,293)	(2,679,519)	(144,415)	(14,463)	(1,700)	(15,304)	(5,155)	(63)	0
PROD_ENERGY	(9,483,105)	(5,921,449)	(689,745)	(11,293)	(2,679,519)	(144,415)	(14,463)	(1,700)	(15,304)	(5,155)	(63)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(18,966,211)	(11,842,897)	(1,379,490)	(22,586)	(5,359,037)	(288,830)	(28,926)	(3,400)	(30,607)	(10,311)	(126)	0

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJAM REMOVE REPS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)	0
ADJAM REMOVE NC EDIT IMPACT												
PROD_DEMAND	1,835,839	906,622	100,890	1,246	492,358	323,738	1,581	186	6,973	2,216	29	0
PROD_ENERGY	11,220	4,849	568	9	3,247	2,430	12	1	78	25	0	0
TRANSMISSION	345,546	194,037	20,557	174	82,776	47,787	191	25	0	0	0	0
DIST_SUBS	135,706	86,858	8,133	32	26,049	12,976	835	5	568	181	81	0
DIST_PRIMARY	133,674	89,584	8,407	33	26,964	6,965	861	5	586	186	83	0
DIST_L_XFMR	121,865	82,398	7,730	30	24,728	5,481	783	4	539	171	0	0
DIST_SEC_SERV	158,018	33,643	3,143	12	7,635	0	113	2	59,411	54,059	0	0
CUSTOMER	530,719	446,940	59,547	2,236	20,050	871	391	224	0	432	28	0
Total	3,272,588	1,844,930	208,965	3,773	683,807	400,247	4,767	452	68,156	57,269	222	0
AMORT NC DEFERRED ASH AMORTIZATION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	105,900,204	45,767,124	5,357,597	86,817	30,648,274	22,937,385	117,742	13,057	735,402	233,718	3,089	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	105,900,204	45,767,124	5,357,597	86,817	30,648,274	22,937,385	117,742	13,057	735,402	233,718	3,089	0
ADJAM AMORT ANNUALIZATION - PROD												
PROD_DEMAND	1,282,641	633,427	70,489	871	343,995	226,185	1,105	130	4,872	1,548	20	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,282,641	633,427	70,489	871	343,995	226,185	1,105	130	4,872	1,548	20	0
ADJAM AMORT ANNUALIZATION - ENERGY												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114	0

**DUKE ENERGY PROGRESS, LLC**  
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TEST YEAR ENDING DECEMBER 31 2018

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

[illegible]



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJAM STORM DEFERRAL AMORT - TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0
ADJAM STORM DEFERRAL AMORT - PROD	PROD_DEMAND	226,341	111,777	12,439	154	60,703	39,914	195	23	860	273	4
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	226,341	111,777	12,439	154	60,703	39,914	195	23	860	273	4
ADJAM AMORT ASHEVILLE CC	PROD_DEMAND	13,432,203	6,633,441	738,177	9,117	3,602,416	2,368,677	11,569	1,358	51,019	16,214	214
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	13,432,203	6,633,441	738,177	9,117	3,602,416	2,368,677	11,569	1,358	51,019	16,214	214
TOTAL OTHER AMORT ADJUSTMENTS	PROD_DEMAND	7,216,596	2,325,634	228,001	42	1,799,216	2,800,463	(80)	(12)	48,126	15,003	203
	PROD_ENERGY	92,497,513	38,785,224	1,823,064	(43,365)	27,829,608	23,326,134	96,707	35	468,908	209,174	2,024
	TRANSMISSION	3,325,923	1,889,692	200,201	1,690	806,142	426,094	1,856	247	0	0	0
	DIST_SUBS	53,005	33,925	3,173	13	10,174	5,068	326	2	222	71	32
	DIST_PRIMARY	6,302,925	4,185,908	394,289	1,543	1,267,923	372,824	40,231	227	27,386	8,704	3,889
	DIST_L_XFMR	47,599	32,183	3,019	12	9,658	2,141	306	2	211	67	0
	DIST_SEC_SERV	1,604,775	1,170,925	109,385	432	265,732	0	3,935	64	30,780	23,522	0
	CUSTOMER	19,908,487	16,973,493	2,263,868	85,023	538,227	2,981	10,746	11,007	0	22,259	884
	Total	130,956,823	65,396,984	5,025,000	45,390	32,526,681	26,935,705	154,027	11,571	575,633	278,799	7,032
ADJ OTHER AMORTIZATIONS	PROD_DEMAND	56,384,950	27,845,487	3,098,680	38,272	15,122,020	9,943,099	48,562	5,700	214,166	68,064	900
	PROD_ENERGY	153,353,682	66,275,197	7,758,316	125,720	44,381,649	33,215,540	170,501	18,908	1,064,932	338,445	4,473
	TRANSMISSION	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0
	DIST_SUBS	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	DIST_PRIMARY	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	49,840	15,840	7,078
	DIST_L_XFMR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0
	DIST_SEC_SERV	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	13,902	4,418	0
	CUSTOMER	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	0	40,542	1,734
	Total	263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	14,184

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SW/P&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OTHER TAXES:														
OT LABOR RELATED														
PROD_DEMAND	10,313,150	5,093,109	566,767	7,000	2,765,909	1,818,653	8,882	1,043	39,172	12,449	165			
PROD_ENERGY	8,164,371	3,528,414	413,044	6,693	2,362,827	1,768,357	9,077	1,007	56,696	18,018	238			
TRANSMISSION	821,309	466,875	49,462	418	199,168	104,867	459	61	0	0	0			
DIST_SUBS	496,940	318,062	29,745	117	95,387	47,515	3,057	17	2,081	661	296			
DIST_PRIMARY	766,089	510,355	48,012	188	154,253	43,475	4,905	28	3,339	1,061	474			
DIST_L_XFMR	104,057	70,357	6,601	26	21,114	4,680	669	4	460	146	0			
DIST_SEC_SERV	436,254	159,524	14,902	59	36,203	0	536	9	36,478	188,544	0			
CUSTOMER	4,838,148	4,081,863	544,007	20,430	173,822	6,555	3,671	2,490	0	4,989	321			
Total	25,940,319	14,228,559	1,672,541	34,931	5,808,685	3,794,101	31,256	4,658	138,226	225,869	1,493			
OT LABOR RELATED - DSM/EE														
PROD_DEMAND	111,584	69,675	8,116	133	31,529	1,699	170	20	180	61	1			
PROD_ENERGY	111,584	69,675	8,116	133	31,529	1,699	170	20	180	61	1			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	223,168	139,351	16,232	266	63,058	3,399	340	40	360	121	1			
OT LABOR RELATED - DERP														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
OT PROPERTY TAX - PROD														
PROD_DEMAND	39,448,219	19,481,349	2,167,908	26,776	10,579,716	6,956,423	33,975	3,988	149,835	47,619	629			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	39,448,219	19,481,349	2,167,908	26,776	10,579,716	6,956,423	33,975	3,988	149,835	47,619	629			
OT PROPERTY TAX - TRANS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	6,298,101	3,580,164	379,296	3,203	1,527,296	804,157	3,517	468	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	6,298,101	3,580,164	379,296	3,203	1,527,296	804,157	3,517	468	0	0	0			

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Summer Winter Peaking & Average (SW/P&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OT PROPERTY TAX - DISTR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	2,498,398	1,599,080	149,547	589	479,567	238,887	15,369	87	10,462	3,325	1,486	1,486	1,528	0
	DIST_PRIMARY	2,453,958	1,644,639	154,346	606	495,000	127,763	15,807	89	10,760	3,420	3,166	3,166	3,166	0
	DIST_L_XFMR	2,252,273	1,522,854	142,867	561	457,010	101,291	14,477	83	9,963	3,166	3,166	3,166	3,166	0
	DIST_SEC_SERV	2,912,798	618,457	57,775	228	140,354	0	2,079	34	1,098,392	995,480	7,759	7,759	7,759	0
	CUSTOMER	9,606,760	8,089,155	1,077,728	40,476	364,095	15,931	7,081	4,022	1,129,578	1,013,150	3,526	3,526	3,526	512
	Total	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526	3,526	3,526	512
OT PROPERTY TAX - GEN	PROD_DEMAND	381,112	188,211	20,944	259	102,211	67,206	328	39	1,448	460	460	460	460	6
	PROD_ENERGY	224,513	97,028	11,358	184	64,976	48,628	250	28	1,559	495	495	495	495	7
	TRANSMISSION	266,448	150,255	15,919	134	64,099	35,874	148	20	0	0	0	0	0	0
	DIST_SUBS	137,854	88,232	8,252	33	26,461	13,181	848	5	577	183	183	183	183	82
	DIST_PRIMARY	143,047	95,785	8,992	35	28,847	7,546	921	5	627	199	199	199	199	89
	DIST_L_XFMR	114,816	77,632	7,283	29	23,297	5,164	738	4	508	161	161	161	161	0
	DIST_SEC_SERV	156,784	35,129	3,282	13	7,972	0	118	2	55,601	54,667	54,667	54,667	54,667	0
	CUSTOMER	708,296	597,605	79,637	2,991	25,565	992	512	323	60,320	56,799	632	632	632	40
	Total	2,132,870	1,329,877	155,667	3,677	343,429	178,591	3,862	425	60,320	56,799	632	632	632	223
OT FED HEAVY VEHICLE USE TAX	PROD_DEMAND	729	360	40	0	196	129	1	0	3	1	1	1	1	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	9,479	5,341	566	5	2,279	1,282	5	1	0	0	0	0	0	0
	DIST_SUBS	4,827	3,090	289	1	927	462	30	0	20	6	6	6	6	3
	DIST_PRIMARY	4,741	3,178	298	1	956	247	31	0	21	7	7	7	7	3
	DIST_L_XFMR	4,352	2,942	276	1	883	196	28	0	19	6	6	6	6	0
	DIST_SEC_SERV	5,628	1,195	112	0	271	0	4	0	2,122	1,923	1,923	1,923	1,923	0
	CUSTOMER	18,562	15,630	2,082	78	703	31	14	8	2,185	1,958	15	15	15	1
	Total	48,318	31,736	3,663	87	6,215	2,346	112	9	2,185	1,958	15	15	15	7
OT ELECTRIC EXCISE TAX - SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OT PRIVILEGE TAX	PROD_DEMAND	6,818,499	3,367,289	374,716	4,628	1,828,670	1,202,396	5,872	689	25,899	8,231	109	109	109	109
	PROD_ENERGY	41,672	18,010	2,108	34	12,060	9,026	46	5	289	92	1	1	1	1
	TRANSMISSION	1,283,396	720,672	76,351	645	307,438	177,487	708	94	0	0	0	0	0	0
	DIST_SUBS	504,026	322,598	30,170	119	96,748	48,193	3,100	18	2,111	671	300	300	300	300
	DIST_PRIMARY	496,480	332,724	31,226	123	100,146	25,867	3,198	18	2,177	692	309	309	309	309
	DIST_L_XFMR	452,618	306,033	28,711	113	91,841	20,355	2,909	17	2,002	636	0	0	0	0
	DIST_SEC_SERV	586,897	124,954	11,673	46	28,357	0	420	7	220,661	200,780	0	0	0	0
	CUSTOMER	1,971,147	1,659,982	221,165	8,306	74,469	3,235	1,451	830	0	1,603	105	105	105	105
	Total	12,154,735	6,852,263	776,119	14,014	2,539,730	1,486,559	17,705	1,678	253,138	212,705	824	824	824	824

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OT PUC LICENSE TAX - SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: NC	PROD_DEMAND	(2,515,549)	(1,242,294)	(138,244)	(1,707)	(674,651)	(443,600)	(2,167)	(254)	(9,555)	(3,037)	(40)			
	PROD_ENERGY	(15,374)	(6,644)	(778)	(13)	(4,449)	(3,330)	(17)	(2)	(107)	(34)	(0)			
	TRANSMISSION	(473,483)	(265,878)	(28,168)	(238)	(113,423)	(65,480)	(261)	(35)	(779)	(247)	0			
	DIST_SUBS	(185,950)	(119,016)	(11,130)	(44)	(35,693)	(17,780)	(1,144)	(6)	(803)	(255)	(111)			
	DIST_PRIMARY	(183,166)	(122,752)	(11,520)	(45)	(36,947)	(9,543)	(1,180)	(7)	(739)	(235)	(114)			
	DIST_L_XFMR	(166,984)	(112,905)	(10,592)	(42)	(33,883)	(7,510)	(1,073)	(6)	(81,408)	(74,074)	0			
	DIST_SEC_SERV	(216,524)	(46,099)	(4,306)	(17)	(10,462)	0	(155)	(3)	(3)	(591)	(39)			
	CUSTOMER	(727,215)	(612,417)	(81,594)	(3,064)	(27,474)	(1,193)	(535)	(306)	(93,390)	(78,473)	(304)			
	Total	(4,484,246)	(2,528,005)	(286,334)	(5,170)	(936,982)	(548,436)	(6,532)	(619)	(93,390)	(78,473)	(304)			
OT MISC TAXES: SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: OTHER STATES	PROD_DEMAND	528	261	29	0	142	93	0	0	2	1	0			
	PROD_ENERGY	3	1	0	0	1	1	0	0	0	0	0			
	TRANSMISSION	99	56	6	0	24	14	0	0	0	0	0			
	DIST_SUBS	39	25	2	0	7	4	0	0	0	0	0			
	DIST_PRIMARY	38	26	2	0	8	2	0	0	0	0	0			
	DIST_L_XFMR	35	24	2	0	7	2	0	0	0	0	0			
	DIST_SEC_SERV	45	10	1	0	2	0	0	0	17	16	0			
	CUSTOMER	153	129	17	1	6	0	0	0	0	0	0			
	Total	942	531	60	1	197	115	1	0	20	16	0			
BOOK OTHER TAXES	PROD_DEMAND	54,558,273	26,957,960	3,000,277	37,089	14,633,722	9,603,000	47,063	5,524	206,984	65,785	869			
	PROD_ENERGY	8,526,770	3,706,485	433,849	7,032	2,466,944	1,824,381	9,526	1,058	58,618	18,633	246			
	TRANSMISSION	8,205,349	4,657,486	493,432	4,166	1,986,881	1,058,200	4,576	609	0	0	0			
	DIST_SUBS	3,456,135	2,212,071	206,875	815	663,404	330,462	21,260	120	14,473	4,600	2,055			
	DIST_PRIMARY	3,681,188	2,463,954	231,357	908	742,264	195,357	23,681	134	16,121	5,123	2,289			
	DIST_L_XFMR	2,761,166	1,866,937	175,148	688	560,270	124,177	17,748	101	12,215	3,882	0			
	DIST_SEC_SERV	3,881,883	893,168	83,438	329	202,698	0	3,002	48	1,331,863	1,367,336	0			
	CUSTOMER	16,415,850	13,831,946	1,843,042	69,218	611,187	25,550	12,193	7,367	0	14,407	940			
	Total	101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400			

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OTHER TAX ADJUSTMENTS:														
ADJOT REMOVE DSM - PLANT RELATED														
PROD_DEMAND	(229,263)	(113,221)	(12,599)	(156)	(61,487)	(40,429)	(197)	(23)	(871)	(277)	(4)			
PROD_ENERGY	(1,093)	(472)	(55)	(1)	(316)	(237)	(1)	(0)	(8)	(2)	(0)			
TRANSMISSION	(34,997)	(19,722)	(2,089)	(18)	(8,413)	(4,734)	(19)	(3)	0	0	0			
DIST_SUBS	(17,833)	(11,414)	(1,067)	(4)	(3,423)	(1,705)	(110)	(1)	(75)	(24)	(11)			
DIST_PRIMARY	(17,553)	(11,764)	(1,104)	(4)	(3,541)	(914)	(113)	(1)	(77)	(24)	(11)			
DIST_L_XFMR	(16,030)	(10,839)	(1,017)	(4)	(3,253)	(721)	(103)	(1)	(71)	(23)	0			
DIST_SEC_SERV	(20,772)	(4,419)	(413)	(2)	(1,003)	0	(15)	(0)	(7,816)	(7,104)	0			
CUSTOMER	(69,439)	(58,475)	(7,791)	(293)	(2,626)	(114)	(51)	(29)	(0)	(56)	(4)			
Total	(406,981)	(230,326)	(26,136)	(481)	(84,061)	(48,854)	(610)	(57)	(8,917)	(7,511)	(29)			
ADJOT REMOVE JAAR PLANT REL TAX														
PROD_DEMAND	(3,704,417)	(1,829,412)	(203,579)	(2,514)	(993,497)	(653,249)	(3,190)	(374)	(14,070)	(4,472)	(59)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(3,704,417)	(1,829,412)	(203,579)	(2,514)	(993,497)	(653,249)	(3,190)	(374)	(14,070)	(4,472)	(59)			
ADJOT REMOVE DSM														
PROD_DEMAND	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)			
PROD_ENERGY	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(223,168)	(139,351)	(16,232)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)			
ADJOT REMOVE JAAR PAYROLL TAX														
PROD_DEMAND	(2,057,125)	(1,015,903)	(113,051)	(1,396)	(551,706)	(362,760)	(1,772)	(208)	(7,814)	(2,483)	(33)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(2,057,125)	(1,015,903)	(113,051)	(1,396)	(551,706)	(362,760)	(1,772)	(208)	(7,814)	(2,483)	(33)			
ADJOT PROPERTY TAX														
PROD_DEMAND	2,271,559	1,121,801	124,835	1,542	609,215	400,574	1,956	230	8,628	2,742	36			
PROD_ENERGY	10,827	4,679	548	9	3,133	2,345	12	1	75	24	0			
TRANSMISSION	346,757	195,403	20,702	175	83,359	46,901	192	26	0	0	0			
DIST_SUBS	176,693	113,091	10,576	42	33,916	16,895	1,087	6	740	235	105			
DIST_PRIMARY	173,919	116,556	10,939	43	35,082	9,060	1,120	6	763	242	108			
DIST_L_XFMR	158,830	107,392	10,075	40	32,228	7,143	1,021	6	703	223	0			
DIST_SEC_SERV	205,811	43,787	4,091	16	9,937	0	147	2	77,440	70,390	0			
CUSTOMER	688,009	579,380	77,192	2,899	26,014	1,132	507	289	0	559	37			
Total	4,032,405	2,282,089	258,958	4,765	832,885	484,050	6,042	567	88,348	74,416	287			



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COS DETAIL - OPER. EXPENSE														
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS														
PROD_DEMAND	3,693,888	1,824,212	203,001	2,507	990,673	651,392	3,181	373	14,030	4,459	59			
PROD_ENERGY	17,607	7,609	891	14	5,095	3,814	20	2	122	39	1			
TRANSMISSION	563,878	317,754	33,664	284	135,554	76,268	312	42	0	0	0			
DIST_SUBS	287,329	183,902	17,199	68	55,153	27,473	1,767	382	10	1,203	382	171		
DIST_PRIMARY	282,817	189,537	17,788	70	57,048	14,732	1,822	10	1,240	394	176			
DIST_L_XFMR	258,281	174,634	16,383	64	52,408	11,616	1,660	9	1,143	363	0			
DIST_SEC_SERV	334,678	71,204	6,652	26	16,159	0	239	4	125,928	114,465	0			
CUSTOMER	1,118,803	942,157	125,526	4,714	42,302	1,841	824	470	0	908	60			
Total	6,557,280	3,711,010	421,103	7,749	1,354,392	787,136	9,826	921	143,667	121,011	466			
ADJOT PAYROLL TAX														
PROD_DEMAND	(430,991)	(212,843)	(23,685)	(293)	(115,588)	(76,002)	(371)	(44)	(1,637)	(520)	(7)			
PROD_ENERGY	(341,192)	(147,454)	(17,261)	(280)	(98,744)	(73,900)	(379)	(42)	(2,369)	(753)	(10)			
TRANSMISSION	(34,323)	(19,511)	(2,067)	(17)	(8,323)	(4,382)	(19)	(3)	0	0	0			
DIST_SUBS	(20,767)	(13,292)	(1,243)	(5)	(3,986)	(1,986)	(128)	(1)	(87)	(28)	(12)			
DIST_PRIMARY	(32,015)	(21,328)	(2,006)	(8)	(6,446)	(1,817)	(205)	(1)	(140)	(44)	(20)			
DIST_L_XFMR	(4,349)	(2,940)	(276)	(1)	(882)	(196)	(28)	(0)	(19)	(6)	0			
DIST_SEC_SERV	(18,231)	(6,667)	(623)	(2)	(1,513)	0	(22)	(0)	(1,524)	(7,879)	0			
CUSTOMER	(202,188)	(170,583)	(22,734)	(854)	(7,264)	(274)	(153)	(104)	(0)	(208)	(13)			
Total	(1,084,057)	(594,617)	(69,896)	(1,460)	(242,747)	(158,557)	(1,306)	(195)	(5,777)	(9,439)	(62)			
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ														
PROD_DEMAND	(7,008)	(3,461)	(385)	(5)	(1,879)	(1,236)	(6)	(1)	(27)	(8)	(0)			
PROD_ENERGY	(5,548)	(2,398)	(281)	(5)	(1,606)	(1,202)	(6)	(1)	(39)	(12)	(0)			
TRANSMISSION	(558)	(317)	(34)	(0)	(135)	(71)	(0)	(0)	0	0	0			
DIST_SUBS	(338)	(216)	(20)	(0)	(65)	(32)	(2)	(0)	(1)	(0)	(0)			
DIST_PRIMARY	(521)	(347)	(33)	(0)	(105)	(30)	(3)	(0)	(2)	(1)	(0)			
DIST_L_XFMR	(71)	(48)	(4)	(0)	(14)	(3)	(0)	(0)	(0)	(0)	0			
DIST_SEC_SERV	(296)	(108)	(10)	(0)	(25)	0	(0)	(0)	(25)	(128)	0			
CUSTOMER	(3,287)	(2,774)	(370)	(14)	(118)	(4)	(2)	(2)	(0)	(3)	(0)			
Total	(17,626)	(9,668)	(1,136)	(24)	(3,947)	(2,578)	(21)	(3)	(94)	(153)	(1)			
ADJOT REMOVE EXPIRING OTH TAX - PROD														
PROD_DEMAND	(22,074)	(10,901)	(1,213)	(15)	(5,920)	(3,893)	(19)	(2)	(84)	(27)	(0)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(22,074)	(10,901)	(1,213)	(15)	(5,920)	(3,893)	(19)	(2)	(84)	(27)	(0)			
ADJOT REMOVE EXPIRING OTH TAX - LAB														
PROD_DEMAND	10,643	5,256	585	7	2,854	1,877	9	1	40	13	0			
PROD_ENERGY	8,426	3,641	426	7	2,438	1,825	9	1	59	19	0			
TRANSMISSION	848	482	51	0	206	108	0	0	0	0	0			
DIST_SUBS	513	328	31	0	98	49	3	0	2	1	0			
DIST_PRIMARY	791	527	50	0	159	45	5	0	3	1	0			
DIST_L_XFMR	107	73	7	0	22	5	1	0	0	0	0			
DIST_SEC_SERV	450	165	15	0	37	0	1	0	38	195	0			
CUSTOMER	4,993	4,213	561	21	179	7	4	3	0	5	0			
Total	26,771	14,684	1,726	36	5,995	3,916	32	5	143	233	2			

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Summer Winter Peaking & Average (SW/P&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADJOT REMOVE MERGER RELATED- PROPERTY TAX	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(52,799)	(30,014)	(3,180)	(27)	(12,804)	(6,741)	(29)	(4)	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(52,799)	(30,014)	(3,180)	(27)	(12,804)	(6,741)	(29)	(4)	0	0	0	0	0
ADJOT PLANT RETIREMENT PROP TAX - PROD	PROD_DEMAND	(1,020,946)	(504,190)	(56,107)	(693)	(273,810)	(180,037)	(879)	(103)	(3,878)	(1,232)	(16)		
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
	Total	(1,020,946)	(504,190)	(56,107)	(693)	(273,810)	(180,037)	(879)	(103)	(3,878)	(1,232)	(16)		
TOTAL OTHER TAX ADJUSTMENTS	PROD_DEMAND	(1,607,318)	(808,338)	(90,315)	(1,148)	(432,674)	(265,462)	(1,458)	(171)	(5,861)	(1,866)	(25)		
	PROD_ENERGY	(422,557)	(204,069)	(23,848)	(388)	(121,527)	(69,054)	(516)	(58)	(2,340)	(747)	(10)		
	TRANSMISSION	788,805	444,076	47,047	397	189,442	107,349	436	58	0	0	0		
	DIST_SUBS	425,596	272,399	25,475	100	81,693	40,694	2,618	15	1,782	566	253		
	DIST_PRIMARY	407,438	273,181	25,633	101	82,197	21,076	2,626	15	1,787	568	254		
	DIST_L_XFMR	396,769	268,272	25,168	99	80,509	17,844	2,550	15	1,755	558	0		
	DIST_SEC_SERV	501,639	103,962	9,712	38	23,593	0	349	6	194,041	169,938	0		
	CUSTOMER	1,536,890	1,293,918	172,385	6,474	58,488	2,587	1,127	627	(0)	1,204	80		
	Total	2,027,262	1,643,401	191,257	5,674	(38,278)	(144,966)	7,732	506	191,164	170,221	552		
OTHER TAXES	PROD_DEMAND	52,950,955	26,149,622	2,909,962	35,941	14,201,048	9,337,538	45,604	5,353	201,123	63,919	845		
	PROD_ENERGY	8,104,213	3,502,415	410,000	6,644	2,345,417	1,755,327	9,010	999	56,278	17,886	236		
	TRANSMISSION	8,994,154	5,101,562	540,479	4,563	2,176,323	1,165,549	5,012	667	0	0	0		
	DIST_SUBS	3,881,731	2,484,470	232,350	916	745,097	371,155	23,878	135	16,255	5,166	2,308		
	DIST_PRIMARY	4,088,625	2,737,135	256,990	1,009	824,461	216,433	26,307	149	17,908	5,691	2,543		
	DIST_L_XFMR	3,157,935	2,135,209	200,316	787	640,779	142,021	20,298	116	13,970	4,440	0		
	DIST_SEC_SERV	4,383,522	997,130	93,150	368	226,291	0	3,351	54	1,525,903	1,537,274	0		
	CUSTOMER	17,952,740	15,125,864	2,015,427	75,692	669,675	28,137	13,320	7,994	0	15,611	1,020		
	Total	103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952		

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE												
ADJ OPERATING INCOME BEFORE INCOME TAXES												
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
PROD_DEMAND	177,191,902	70,278,469	9,631,145	15,171	69,877,335	24,137,180	372,408	4,927	2,781,122	88,235	5,911	
PROD_ENERGY	36,534,278	13,603,004	1,526,129	7,355	14,606,770	5,829,939	93,334	1,841	833,243	30,866	1,797	
TRANSMISSION	40,385,196	18,595,159	2,425,704	2,346	15,111,201	4,194,379	55,623	783	0	0	0	
DIST_SUBS	16,026,557	8,303,274	954,054	445	5,015,701	1,201,316	241,918	148	280,528	8,986	20,187	
DIST_PRIMARY	20,328,979	10,630,137	1,225,460	603	6,413,864	1,355,863	308,248	195	357,421	11,462	25,727	
DIST_L_XFMR	14,749,517	7,791,950	898,476	407	4,715,190	846,113	225,013	136	263,786	8,447	0	
DIST_SEC_SERV	37,811,040	3,789,366	434,576	213	1,790,843	0	38,452	69	29,067,608	2,689,913	0	
CUSTOMER	65,735,666	52,081,446	8,496,452	41,265	4,796,204	140,379	134,292	9,472	0	27,499	8,657	
Total	408,763,135	185,072,804	25,591,996	67,805	122,327,106	37,705,168	1,469,288	17,572	33,583,708	2,865,408	62,279	
INCOME TAX CALCULATION												
PROD_DEMAND	16,450,530	4,642,683	867,339	(10,223)	9,169,471	1,186,170	64,520	(798)	536,218	(5,858)	1,007	
PROD_ENERGY	3,324,861	895,192	137,437	(4,956)	1,881,859	240,546	16,170	(298)	160,655	(2,049)	306	
TRANSMISSION	3,636,008	1,230,230	218,448	(1,581)	2,025,904	153,497	9,637	(127)	0	0	0	
DIST_SUBS	1,486,286	551,410	85,918	(300)	697,789	52,650	41,913	(24)	54,088	(597)	3,439	
DIST_PRIMARY	1,988,816	705,881	110,360	(407)	891,458	155,615	53,404	(32)	68,913	(761)	4,383	
DIST_L_XFMR	1,441,887	517,469	80,913	(274)	655,645	98,873	38,984	(22)	50,860	(561)	0	
DIST_SEC_SERV	5,977,608	251,631	39,136	(144)	254,492	0	6,662	(11)	5,604,420	(178,578)	0	
CUSTOMER	4,937,805	3,475,937	765,154	(27,807)	687,839	15,301	23,266	(1,535)	0	(1,826)	1,475	
Total	39,243,801	12,270,434	2,304,705	(45,691)	16,264,456	1,902,653	254,556	(2,847)	6,475,153	(190,228)	10,611	
INVESTMENT TAX CREDITS:												
ITC - PRODUCTION RELATED												
PROD_DEMAND	(1,732,635)	(855,655)	(95,218)	(1,176)	(464,680)	(305,538)	(1,492)	(175)	(6,581)	(2,092)	(28)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(1,732,635)	(855,655)	(95,218)	(1,176)	(464,680)	(305,538)	(1,492)	(175)	(6,581)	(2,092)	(28)	
ITC - TRANSMISSION RELATED												
PROD_DEMAND	(11,609)	(5,733)	(638)	(8)	(3,113)	(2,047)	(10)	(1)	(44)	(14)	(0)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	(150,950)	(85,060)	(9,012)	(76)	(36,287)	(20,421)	(84)	(11)	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(162,559)	(90,793)	(9,650)	(84)	(39,400)	(22,468)	(94)	(12)	(44)	(14)	(0)	
ITC - DISTRIBUTION RELATED												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	(45,679)	(29,237)	(2,734)	(11)	(8,768)	(4,366)	(281)	(2)	(191)	(61)	(27)	
DIST_PRIMARY	(44,867)	(30,070)	(2,822)	(11)	(9,050)	(2,336)	(289)	(2)	(497)	(63)	(28)	
DIST_L_XFMR	(41,179)	(27,843)	(2,612)	(10)	(8,356)	(1,852)	(265)	(2)	(182)	(58)	0	
DIST_SEC_SERV	(53,256)	(11,308)	(1,056)	(4)	(2,566)	0	(38)	(1)	(20,082)	(18,201)	0	
CUSTOMER	(175,645)	(147,898)	(19,705)	(740)	(6,657)	(291)	(129)	(74)	0	(142)	(9)	
Total	(360,626)	(246,355)	(28,929)	(776)	(35,397)	(8,847)	(1,002)	(79)	(20,653)	(18,524)	(64)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ITC - GENERAL RELATED	PROD_DEMAND	(12,369)	(6,108)	(680)	(8)	(3,317)	(2,181)	(11)	(1)	(47)	(15)	(0)
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)
	TRANSMISSION	(8,647)	(4,876)	(517)	(4)	(2,080)	(1,164)	(5)	(1)	0	0	0
	DIST_SUBS	(4,474)	(2,864)	(268)	(1)	(859)	(428)	(28)	(0)	(19)	(6)	(3)
	DIST_PRIMARY	(4,642)	(3,109)	(292)	(1)	(936)	(245)	(30)	(0)	(20)	(6)	(3)
	DIST_L_XFMR	(3,726)	(2,519)	(236)	(1)	(756)	(168)	(24)	(0)	(16)	(5)	0
	DIST_SEC_SERV	(5,088)	(1,140)	(107)	(0)	(259)	0	(4)	(0)	(1,804)	(1,774)	(1)
	CUSTOMER	(22,987)	(19,395)	(2,585)	(97)	(830)	(32)	(17)	(10)	(1,804)	(1,774)	(1)
	Total	(69,221)	(43,160)	(5,052)	(119)	(11,146)	(5,796)	(125)	(14)	(1,958)	(1,843)	(7)
ITC - HARRIS DISALLOW - NCR	213,806	105,587	11,750	145	57,341	37,703	184	22	812	258	3	
ITC - HARRIS DISALLOW - SCR	0	0	0	0	0	0	0	0	0	0	0	
ITC - HARRIS DISALLOW - WHSLE	0	0	0	0	0	0	0	0	0	0	0	
ITC - HARRIS DISALLOW - NCENMPA	0	0	0	0	0	0	0	0	0	0	0	
ADI INVESTMENT TAX CREDITS	PROD_DEMAND	(1,542,806)	(761,909)	(84,786)	(1,047)	(413,769)	(272,063)	(1,329)	(156)	(5,860)	(1,862)	(25)
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)
	TRANSMISSION	(159,597)	(89,937)	(9,528)	(80)	(38,367)	(21,585)	(88)	(12)	0	0	0
	DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)
	DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(2)	(217)	(69)	(31)
	DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0
	DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0
	CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(0)	(162)	(11)
	Total	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)
TOTAL ADJ OPER EXPENSE	PROD_DEMAND	854,397,123	418,454,562	46,905,487	558,509	233,941,548	148,925,283	786,635	83,951	3,720,609	1,006,155	14,385
	PROD_ENERGY	1,434,851,821	620,598,085	74,650,944	1,208,186	448,967,345	274,027,521	1,808,891	179,137	10,194,650	3,173,990	43,073
	TRANSMISSION	89,144,903	49,786,467	5,361,692	41,852	22,743,020	11,148,291	57,361	6,221	0	0	0
	DIST_SUBS	43,674,493	27,553,374	2,610,571	9,653	8,797,104	4,085,815	301,578	1,442	230,838	55,575	28,544
	DIST_PRIMARY	80,929,250	53,370,695	5,060,973	19,006	16,795,177	4,545,019	559,805	2,828	413,617	108,788	53,341
	DIST_L_XFMR	30,464,374	20,140,649	1,921,739	6,959	6,544,888	1,404,018	225,565	1,043	179,265	40,247	0
	DIST_SEC_SERV	68,113,585	17,527,567	1,652,720	6,224	4,175,637	0	64,751	927	23,885,320	20,800,439	0
	CUSTOMER	366,002,487	308,662,273	41,431,064	1,499,749	13,145,991	439,091	277,428	175,291	0	349,302	22,297
	Total	2,967,578,035	1,516,093,672	179,595,190	3,350,138	755,110,708	444,575,038	4,082,013	450,841	38,624,298	25,534,497	161,640

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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PRODUCTION PLANT IN SERVICE:											
PRODUCTION PLANT	10,659,392,763	5,264,099,426	585,795,443	7,235,206	2,858,769,051	1,879,710,855	9,180,476	1,077,591	40,487,383	12,867,271	170,061
CONTRA AFUDC - WHS	0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL	(321,021,266)	(158,535,096)	(17,641,980)	(217,897)	(86,095,492)	(56,609,900)	(276,482)	(32,453)	(1,219,329)	(387,514)	(5,122)
CONTRA AFUDC - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(191,580,783)	(21,319,345)	(263,317)	(104,041,578)	(68,409,893)	(334,113)	(39,218)	(1,473,491)	(468,289)	(6,189)
HARRIS DISALLOWANCE - SC	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS	0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC	(11,032,277)	(5,448,247)	(606,288)	(7,488)	(2,958,774)	(1,945,466)	(9,502)	(1,115)	(41,904)	(13,317)	(176)
CWIP IN RATE BASE - NC RETAIL	102,930,000	50,831,578	5,656,600	69,865	27,605,053	18,151,000	88,649	10,406	390,957	124,250	1,642

TOTAL PRODUCTION PLANT	10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,896,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216
PROD_DEMAND	10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,896,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,896,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216

TRANSMISSION PLANT IN SERVICE:											
TRANSMISSION PLANT - TRAN	1,492,257,550	848,275,929	89,869,598	758,804	361,874,006	190,535,012	833,346	110,856	0	0	0
TRANSMISSION PLANT - PROD	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
TRANS PLANT - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSLE/PA	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERRE MIT REL	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION PLANT	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
PROD_DEMAND	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,505,369,581	848,275,929	89,869,598	758,804	361,874,006	203,647,043	833,346	110,856	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,621,142,803	905,450,081	96,232,008	837,387	392,923,514	224,062,857	933,057	122,560	439,739	139,753	1,847

DISTRIBUTION PLANT IN SERVICE

SUBSTATIONS:

SUBSTATIONS - RETAIL	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS	0	0	0	0	0	0	0	0	0	0	0



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL DIST SUBSTATIONS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	0
OVERHEAD LINES:												
PRIMARY POLES - CUSTOMER	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872	0
PRIMARY POLES - DEMAND	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682	0
SECONDARY POLES - CUSTOMER	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0	0
SECONDARY POLES - DEMAND	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0	0
PRIMARY CONDUCTOR - CUST	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417	0
PRIMARY CONDUCTOR - DEMAND	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950	0
PRIMARY COND - ADDL FAC RETAIL	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0	0
PRIMARY COND - ADDL FAC WHSL	0	0	0	0	0	0	0	0	0	0	0	0
SECONDARY COND - CUSTOMER	105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0	0
SECONDARY COND - DEMAND	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0	0
TOTAL DIST OVERHEAD LINES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	367,308,764	243,919,116	22,976,516	89,912	73,887,702	21,748,318	2,344,303	13,239	1,595,850	507,176	226,632	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	90,674,083	68,034,514	6,355,645	25,079	15,439,915	0	228,657	3,693	445,119	141,463	0	0
CUSTOMER	1,157,695,274	987,150,008	131,664,232	4,944,848	31,167,465	155,185	622,477	641,654	0	1,298,115	51,290	0
Total	1,615,678,121	1,299,103,638	160,996,393	5,059,839	120,495,082	21,903,503	3,195,436	658,585	2,040,969	1,946,754	277,922	0
UNDERGROUND LINES:												
U/G LINES - PRIMARY CUSTOMER	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305	0
U/G LINES - SECONDARY CUSTOMER	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0	0
U/G LINES - PRIMARY DEMAND	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251	0
U/G LINES - SECONDARY DEMAND	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0	0
TOTAL DIST UNDERGROUND LINES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0	0
CUSTOMER	632,455,192	539,489,114	71,953,714	2,702,418	16,834,255	73,538	317,742	350,671	0	709,435	24,305	0
Total	1,180,375,674	921,954,349	107,709,679	2,843,400	122,461,822	17,528,706	3,232,750	371,430	2,502,294	1,504,688	266,556	0

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE												
	NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	

LINE TRANSFORMERS:

LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST LINE TRANSFRMS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER		333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	184,518	0	373,294	1,656
Total		1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900

SERVICES:

SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0
SERVICES - DIRECT ASSIGN RES	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST SERVICES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER		596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0
Total		596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0

METERS:

METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	79,855
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST METERS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER		228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	79,855
Total		228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	79,855

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
GENERAL PLANT:												
GENERAL PLANT - PROD												
PROD_DEMAND	17,122,557	8,455,908	940,984	11,622	4,592,141	3,019,446	14,747	1,731	65,036	20,669	273	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	17,122,557	8,455,908	940,984	11,622	4,592,141	3,019,446	14,747	1,731	65,036	20,669	273	
GENERAL PLANT - T/D												
PROD_DEMAND	4,077,586	2,013,700	224,087	2,768	1,093,578	719,054	3,512	412	15,488	4,922	65	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	53,019,810	29,876,669	3,165,249	26,725	12,745,369	7,172,543	29,351	3,904	113,066	35,933	16,057	
DIST_SUBS	27,000,719	17,281,593	1,616,190	6,370	5,182,780	2,581,700	166,093	938	116,287	36,957	16,514	
DIST_PRIMARY	26,520,447	17,773,959	1,668,047	6,552	5,349,575	1,380,765	170,825	965	107,676	34,220	0	
DIST_L_XFMR	24,340,792	16,457,805	1,543,997	6,067	4,939,005	1,094,672	156,457	893	107,676	34,220	0	
DIST_SEC_SERV	31,479,225	6,683,793	624,386	2,464	1,516,836	0	22,464	363	11,870,557	10,758,362	0	
CUSTOMER	103,822,297	87,421,221	11,647,232	437,435	3,934,855	172,170	76,524	43,471	0	83,854	5,533	
Total	270,260,876	177,508,741	20,489,190	488,380	34,761,998	13,120,904	625,226	50,946	12,223,073	10,954,249	38,169	
GENERAL PLANT - CUST/SALES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177	
Total	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177	
GENERAL PLANT - LABOR												
PROD_DEMAND	61,659,935	30,450,518	3,388,571	41,853	16,536,731	10,873,307	53,105	6,233	234,202	74,432	984	
DIST_SUBS	2,971,089	1,901,621	177,841	701	570,300	284,083	18,276	103	12,441	3,954	1,767	
DIST_PRIMARY	4,580,271	3,051,291	287,054	1,125	922,242	259,925	29,326	166	19,963	6,344	2,835	
DIST_L_XFMR	622,132	420,649	39,463	155	126,237	27,979	3,999	23	2,752	875	0	
DIST_SEC_SERV	2,608,263	953,756	89,098	352	216,448	0	3,205	52	218,093	1,127,259	0	
CUSTOMER	28,926,164	24,404,513	3,252,493	122,145	1,039,243	39,190	21,947	14,889	0	29,826	1,918	
Total	155,091,156	85,069,254	9,999,738	208,844	34,728,779	22,684,052	186,872	27,849	826,422	1,350,418	8,927	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	COS DETAIL - RATE BASE												SFL
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS			
TOTAL GENERAL PLANT	PROD_DEMAND	82,860,078	40,920,126	4,553,642	56,242	22,222,450	14,611,807	71,364	8,377	314,726	100,023	1,322	
	PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	
	TRANSMISSION	57,930,229	32,668,003	3,460,973	29,222	13,936,151	7,799,517	32,093	4,269	0	0	0	
	DIST_SUBS	29,971,808	19,183,214	1,794,032	7,071	5,753,079	2,865,783	184,370	1,041	125,507	39,887	17,824	
	DIST_PRIMARY	31,100,718	20,825,250	1,955,101	7,676	6,271,817	1,640,690	200,151	1,130	136,250	43,302	19,349	
	DIST_L_XFMR	24,962,924	16,878,454	1,583,461	6,222	5,065,242	1,122,651	160,456	916	110,428	35,095	0	
	DIST_SEC_SERV	34,087,487	7,637,550	713,484	2,815	1,733,284	0	25,669	415	12,088,649	11,885,621	0	
CUSTOMER		153,995,431	129,929,202	17,314,481	650,264	5,558,363	215,569	111,310	70,127	0	137,487	8,628	
Total		463,721,560	289,137,371	33,844,666	799,531	74,667,183	38,828,611	839,683	92,294	13,114,531	12,349,143	48,547	
TOTAL TANGIBLE PLANT	PROD_DEMAND	10,240,966,304	5,057,461,156	562,800,483	6,951,194	2,746,550,219	1,805,924,217	8,820,104	1,035,291	38,898,081	12,362,176	163,385	
	PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	
	TRANSMISSION	1,563,299,810	880,943,932	93,330,572	788,027	375,810,156	211,446,559	865,439	115,125	0	0	0	
	DIST_SUBS	796,592,080	509,852,337	47,681,857	187,939	152,905,605	76,166,912	4,900,184	27,672	3,335,730	1,060,126	473,718	
	DIST_PRIMARY	784,084,805	525,473,928	49,315,284	193,697	158,160,102	40,844,177	5,050,322	28,520	3,437,934	1,092,608	488,232	
	DIST_L_XFMR	716,060,995	484,158,118	45,421,539	178,468	145,296,361	32,203,234	4,602,672	26,278	3,167,624	1,006,701	0	
	DIST_SEC_SERV	927,864,111	197,407,736	18,441,426	72,767	44,800,183	0	663,466	10,714	349,124,465	317,343,353	0	
CUSTOMER		3,101,779,026	2,612,043,842	348,009,542	13,070,168	117,279,064	5,103,926	2,284,034	1,304,385	0	2,518,331	165,734	
Total		18,179,460,015	10,288,436,620	1,167,470,195	21,482,277	3,754,928,487	2,182,261,619	27,240,492	2,554,003	398,302,804	335,491,023	1,292,493	
INTANGIBLE PLT	PROD_DEMAND	200,218,892	98,877,317	11,003,189	135,901	53,697,203	35,307,229	172,440	20,241	760,488	241,690	3,194	
	PROD_ENERGY	954,330	412,435	48,281	782	276,190	206,702	1,061	118	6,627	2,106	28	
	TRANSMISSION	30,563,733	17,223,142	1,824,686	15,407	7,347,382	4,133,945	16,920	2,251	0	0	0	
	DIST_SUBS	15,573,998	9,968,012	932,218	3,674	2,989,424	1,489,123	95,802	541	65,216	20,726	9,262	
	DIST_PRIMARY	15,329,471	10,273,426	964,152	3,787	3,092,154	798,536	98,738	558	67,214	21,361	9,545	
	DIST_L_XFMR	13,999,552	9,465,669	888,027	3,489	2,840,657	629,598	89,986	514	61,930	19,682	0	
	DIST_SEC_SERV	18,140,468	3,859,475	360,544	1,423	875,879	0	12,971	209	6,825,656	6,204,310	0	
CUSTOMER		60,642,203	51,067,498	6,803,858	255,532	2,292,897	99,786	44,655	25,502	0	49,235	3,240	
Total		355,422,647	201,146,974	22,824,954	419,995	73,411,786	42,664,920	532,573	49,933	7,787,131	6,559,112	25,269	
BOOK PLANT IN SERVICE	PROD_DEMAND	10,441,185,196	5,156,338,473	573,803,672	7,087,095	2,800,247,422	1,841,231,446	8,992,544	1,055,531	39,658,569	12,603,866	166,580	
	PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	6,136	345,598	109,834	1,452	
	TRANSMISSION	1,593,863,543	898,167,074	95,155,257	803,433	383,157,539	215,580,505	882,359	117,376	0	0	0	
	DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,029	77,656,035	4,995,986	28,213	3,400,946	1,080,853	482,979	
	DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	5,149,060	29,078	3,505,148	1,113,969	497,777	
	DIST_L_XFMR	730,060,547	493,623,788	46,309,565	181,957	148,137,019	32,832,832	4,692,658	26,791	3,229,553	1,026,382	0	
	DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	0	
CUSTOMER		3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	0	2,567,567	168,974	
Total		18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762	



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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RESERVE FOR DEPRECIATION

PRODUCTION FUNCTION:

DPR PRODUCTION RELATED	(4,493,833,278)	(2,219,261,988)	(246,962,197)	(3,050,250)	(1,205,212,321)	(792,456,698)	(3,870,345)	(454,295)	(17,068,847)	(5,424,640)	(71,695)
DPR NUCLEAR DECOMM. - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF - NCEMPA -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC NC RET-PROD	238,121,493	117,595,368	13,086,157	161,628	63,862,395	41,991,093	205,084	24,072	904,453	287,444	3,799
DPR CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NC	254,433,596	125,651,036	13,982,601	172,700	68,237,179	44,867,621	219,133	25,721	966,411	307,134	4,059
DPR HARRIS DISALLOW. - SC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(167,959,493)	(18,690,739)	(230,851)	(91,213,589)	(59,975,175)	(292,918)	(34,382)	(1,291,815)	(410,551)	(5,426)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0

TOTAL PRODUCTION RESERVE	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)
PROD_DEMAND	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)

TRANSMISSION FUNCTION:

DPR TRANS RELATED - PROD	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
DPR TRANS RELATED - TRANS	(445,657,941)	(253,334,891)	(26,839,268)	(226,615)	(108,072,513)	(56,902,671)	(248,876)	(33,107)	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION RESERVE	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
PROD_DEMAND	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(445,657,941)	(253,334,891)	(26,839,268)	(226,615)	(108,072,513)	(56,902,671)	(248,876)	(33,107)	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(481,986,883)	(271,275,797)	(28,835,754)	(251,273)	(117,815,663)	(63,309,031)	(280,165)	(36,779)	(137,988)	(43,854)	(580)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

DISTRIBUTION FUNCTION:

DPR DISTRIBUTION RELATED

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)
DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)
DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0
DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0
CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)

TOTAL DISTRIBUTION RESERVE

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)
DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)
DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0
DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0
CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)

GENERAL FUNCTION:

DPR GENERAL RELATED

PROD_DEMAND	(22,083,441)	(10,905,821)	(1,213,613)	(14,989)	(5,922,613)	(3,894,263)	(19,020)	(2,232)	(83,879)	(26,658)	(352)
PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)
TRANSMISSION	(15,439,266)	(8,706,508)	(922,401)	(7,788)	(3,714,191)	(2,078,687)	(8,553)	(1,138)	0	0	0
DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)
DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)
DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0
DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0
CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)
Total	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)

TOTAL GENERAL RESERVE

PROD_DEMAND	(22,083,441)	(10,905,821)	(1,213,613)	(14,989)	(5,922,613)	(3,894,263)	(19,020)	(2,232)	(83,879)	(26,658)	(352)
PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)
TRANSMISSION	(15,439,266)	(8,706,508)	(922,401)	(7,788)	(3,714,191)	(2,078,687)	(8,553)	(1,138)	0	0	0
DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)
DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)
DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0
DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0
CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)
Total	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE												
TOTAL LIMITED TERM PLT RESERVE												
PROD_DEMAND	(122,564,580)	(60,528,038)	(6,735,634)	(83,192)	(32,870,899)	(21,613,424)	(105,560)	(12,390)	(465,535)	(147,951)	(1,955)	
PROD_ENERGY	(584,196)	(252,473)	(29,555)	(479)	(169,070)	(126,534)	(650)	(72)	(4,057)	(1,289)	(17)	
TRANSMISSION	(18,709,678)	(10,543,197)	(1,116,987)	(9,431)	(4,497,721)	(2,530,607)	(10,358)	(1,378)	0	0	0	
DIST_SUBS	(9,533,668)	(6,101,947)	(570,660)	(2,249)	(1,829,985)	(911,571)	(58,646)	(331)	(39,922)	(12,688)	(5,669)	
DIST_PRIMARY	(9,383,980)	(6,288,908)	(590,209)	(2,318)	(1,892,871)	(488,826)	(60,443)	(341)	(41,145)	(13,076)	(5,843)	
DIST_L_XFMR	(8,569,867)	(5,794,437)	(543,608)	(2,136)	(1,738,917)	(385,410)	(55,085)	(314)	(37,910)	(12,048)	0	
DIST_SEC_SERV	(11,104,741)	(2,362,589)	(220,708)	(871)	(536,172)	0	(7,940)	(128)	(4,178,345)	(3,797,987)	0	
CUSTOMER	(37,122,302)	(31,261,118)	(4,165,002)	(156,425)	(1,403,604)	(61,084)	(27,335)	(15,611)	(0)	(30,140)	(1,984)	
Total	(217,573,011)	(123,132,708)	(13,972,363)	(257,101)	(44,939,239)	(26,117,455)	(326,016)	(30,566)	(4,766,915)	(4,015,179)	(15,469)	
BOOK DEPRECIATION RESERVE												
PROD_DEMAND	(4,522,360,089)	(2,233,349,843)	(248,529,911)	(3,069,613)	(1,212,862,998)	(797,487,206)	(3,894,914)	(457,179)	(17,177,200)	(5,459,076)	(72,150)	
PROD_ENERGY	(13,593,554)	(5,874,756)	(687,711)	(11,144)	(3,934,071)	(2,944,287)	(15,114)	(1,676)	(94,398)	(30,000)	(397)	
TRANSMISSION	(479,806,884)	(272,584,595)	(28,878,655)	(243,834)	(116,284,426)	(61,511,965)	(267,787)	(35,622)	0	0	0	
DIST_SUBS	(374,643,924)	(239,787,822)	(22,425,177)	(88,389)	(71,912,786)	(35,821,936)	(2,304,597)	(13,014)	(1,568,822)	(498,586)	(222,793)	
DIST_PRIMARY	(368,442,828)	(246,924,644)	(23,173,536)	(91,020)	(74,320,029)	(19,188,643)	(2,373,189)	(13,402)	(1,615,514)	(513,426)	(229,424)	
DIST_L_XFMR	(337,163,924)	(227,970,316)	(21,387,150)	(84,033)	(66,414,132)	(15,163,190)	(2,167,211)	(12,373)	(1,491,505)	(474,014)	0	
DIST_SEC_SERV	(436,546,390)	(92,800,637)	(8,669,245)	(34,208)	(21,060,398)	0	(311,893)	(5,037)	(164,404,886)	(149,260,086)	0	
CUSTOMER	(1,451,359,635)	(1,222,157,257)	(162,830,528)	(6,115,417)	(54,928,952)	(2,395,728)	(1,069,143)	(609,268)	(0)	(1,175,874)	(77,469)	
Total	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)	
BOOK NET PLANT IN SERVICE												
PROD_DEMAND	5,918,825,107	2,922,988,630	325,273,761	4,017,482	1,587,384,424	1,043,744,240	5,097,629	598,352	22,481,369	7,144,790	94,430	
PROD_ENERGY	36,173,660	15,633,250	1,830,062	29,655	10,468,915	7,835,010	40,219	4,460	251,200	79,834	1,055	
TRANSMISSION	1,114,056,658	625,582,479	66,276,602	559,599	266,873,113	154,068,540	614,572	81,753	0	0	0	
DIST_SUBS	437,522,154	280,032,526	26,188,898	103,224	83,982,243	41,834,099	2,691,389	15,199	1,832,124	582,266	260,186	
DIST_PRIMARY	430,971,448	288,822,710	27,105,901	106,464	86,932,226	22,454,069	2,775,871	15,676	1,889,634	600,543	268,353	
DIST_L_XFMR	392,896,622	265,653,472	24,922,415	97,924	79,722,887	17,669,643	2,525,448	14,418	1,738,048	552,368	0	
DIST_SEC_SERV	509,458,189	108,466,574	10,132,725	39,982	24,615,663	0	364,544	5,887	191,545,235	174,287,578	0	
CUSTOMER	1,711,061,594	1,440,954,083	191,982,873	7,210,283	64,643,009	2,807,983	1,259,546	720,620	0	1,391,692	91,505	
Total	10,550,965,433	5,948,133,774	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528	

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COS DETAIL - RATE BASE

BOOK PLANT IN SERVICE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
PROD_DEMAND	10,441,185,196	5,156,338,473	573,803,672	7,087,095	2,800,247,422	1,841,231,446	8,992,544	1,055,531	39,658,569	12,603,866	166,580												
PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	6,136	345,598	109,834	1,452												
TRANSMISSION	1,593,863,543	898,167,074	95,155,257	803,433	383,157,539	215,580,505	882,359	117,376	0	0	0												
DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,029	77,656,035	4,995,986	28,213	3,400,946	1,080,853	482,979												
DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	5,149,060	29,078	3,505,148	1,113,969	497,777												
DIST_L_XFMR	730,060,547	493,623,788	46,309,565	181,957	148,137,019	32,832,832	4,692,658	26,791	3,229,553	1,026,382	0												
DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	0												
CUSTOMER	3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	0	2,567,567	168,974												
Total	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762												

PLANT IN SERVICE ADJUSTMENTS:

ADJPLT DSDR TRANSMISSION

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(357,191)	(203,046)	(21,511)	(182)	(86,619)	(45,607)	(199)	(27)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ADJPLT DSDR DISTRIBUTION

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(18,241,808)	(11,675,522)	(1,091,905)	(4,304)	(3,501,509)	(1,744,208)	(112,213)	(634)	(76,388)	(24,277)	(10,848)											
DIST_PRIMARY	(17,917,333)	(12,008,167)	(1,126,940)	(4,426)	(3,614,197)	(932,851)	(115,410)	(652)	(78,564)	(24,968)	(11,157)											
DIST_L_XFMR	(16,444,749)	(11,118,967)	(1,043,132)	(4,099)	(3,336,814)	(739,566)	(105,703)	(603)	(72,746)	(23,119)	0											
DIST_SEC_SERV	(21,267,506)	(4,515,601)	(421,838)	(1,665)	(1,024,781)	0	(15,176)	(245)	(8,019,802)	(7,268,398)	0											
CUSTOMER	(70,142,812)	(59,062,171)	(7,868,923)	(295,533)	(2,658,405)	(116,319)	(51,700)	(29,369)	0	(56,652)	(3,738)											
Total	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(14,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)	(25,744)											

ADJPLT DSDR GENERAL

PROD_DEMAND	(2,261,128)	(1,116,649)	(124,262)	(1,535)	(606,417)	(398,734)	(1,947)	(229)	(8,588)	(2,729)	(36)											
PROD_ENERGY	(1,332,031)	(575,667)	(67,389)	(1,092)	(385,499)	(288,510)	(1,481)	(164)	(9,250)	(2,940)	(39)											
TRANSMISSION	(1,580,829)	(891,461)	(94,445)	(797)	(380,297)	(212,837)	(876)	(116)	0	0	0											
DIST_SUBS	(817,886)	(523,481)	(48,956)	(193)	(156,993)	(78,203)	(5,031)	(28)	(3,425)	(1,088)	(486)											
DIST_PRIMARY	(848,692)	(568,290)	(53,352)	(209)	(171,149)	(44,772)	(5,462)	(31)	(3,718)	(1,182)	(528)											
DIST_L_XFMR	(681,201)	(460,588)	(43,210)	(170)	(138,223)	(30,635)	(4,379)	(25)	(3,013)	(958)	0											
DIST_SEC_SERV	(930,197)	(208,417)	(19,470)	(77)	(47,299)	0	(700)	(11)	(329,881)	(324,341)	0											
CUSTOMER	(4,202,305)	(3,545,574)	(472,486)	(17,745)	(151,679)	(5,883)	(3,037)	(1,914)	(0)	(3,752)	(235)											
Total	(12,654,267)	(7,890,126)	(923,570)	(21,818)	(2,037,556)	(1,059,575)	(22,914)	(2,519)	(357,876)	(336,990)	(1,325)											

ADJPLT DSDR INTANGIBLE

PROD_DEMAND	(12,468,797)	(6,157,667)	(685,233)	(8,463)	(3,344,038)	(2,198,787)	(10,739)	(1,261)	(47,360)	(15,051)	(199)											
PROD_ENERGY	(59,432)	(25,685)	(3,007)	(49)	(17,200)	(12,873)	(66)	(7)	(413)	(131)	(2)											
TRANSMISSION	(1,903,382)	(1,072,585)	(113,634)	(959)	(457,564)	(257,445)	(1,054)	(140)	0	0	0											
DIST_SUBS	(969,884)	(620,766)	(58,055)	(229)	(186,169)	(92,736)	(5,966)	(34)	(4,061)	(1,291)	(577)											
DIST_PRIMARY	(954,655)	(639,786)	(60,043)	(236)	(192,564)	(49,729)	(6,149)	(35)	(4,186)	(1,330)	(594)											
DIST_L_XFMR	(871,834)	(589,482)	(55,303)	(217)	(176,904)	(39,209)	(5,604)	(32)	(3,857)	(1,226)	0											
DIST_SEC_SERV	(1,129,713)	(240,352)	(22,453)	(89)	(54,546)	0	(808)	(13)	(425,073)	(386,379)	0											
CUSTOMER	(3,776,543)	(3,180,271)	(423,716)	(15,913)	(142,792)	(6,214)	(2,781)	(1,588)	(0)	(3,066)	(202)											
Total	(22,134,240)	(12,526,594)	(1,421,443)	(26,156)	(4,571,780)	(2,656,993)	(33,166)	(3,110)	(484,950)	(408,474)	(1,574)											

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

ADJPLT REMOVE JAAR EPIS		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(763,193,785)	(376,900,266)	(41,941,924)	(518,028)	(204,682,839)	(134,583,993)	(657,306)	(77,154)	(2,898,825)	(921,274)	(12,176)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(763,193,785)	(376,900,266)	(41,941,924)	(518,028)	(204,682,839)	(134,583,993)	(657,306)	(77,154)	(2,898,825)	(921,274)	(12,176)	
ADJPLT ADDITIONS TO EPIS PROD												
PROD_DEMAND	850,542,876	420,037,273	46,742,263	577,317	228,109,209	149,987,407	732,536	85,984	3,230,602	1,026,716	13,570	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	850,542,876	420,037,273	46,742,263	577,317	228,109,209	149,987,407	732,536	85,984	3,230,602	1,026,716	13,570	
ADJPLT ADDITIONS TO EPIS TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	166,473,461	94,632,076	10,025,684	84,651	40,369,987	21,255,730	92,967	12,367	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	166,473,461	94,632,076	10,025,684	84,651	40,369,987	21,255,730	92,967	12,367	0	0	0	0
ADJPLT ADDITIONS TO EPIS DIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	92,819,527	59,408,390	5,555,927	21,899	17,816,680	8,875,028	570,973	3,224	388,682	123,527	55,198	
DIST_PRIMARY	91,168,508	61,100,982	5,734,195	22,523	18,390,068	4,746,612	587,241	3,316	399,756	127,046	56,771	
DIST_L_XFMR	83,675,580	56,576,481	5,307,751	20,855	16,978,662	3,763,121	537,847	3,071	370,154	117,638	0	
DIST_SEC_SERV	108,215,144	22,976,667	2,146,433	8,470	5,214,380	0	77,222	1,247	40,807,041	36,983,684	19,022	
CUSTOMER	356,906,657	300,525,195	40,039,326	1,503,756	13,526,726	591,864	263,065	149,439	0	288,264	130,990	
Total	732,785,417	500,587,715	58,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159	130,990	
ADJPLT ADDITIONS TO EPIS GEN												
PROD_DEMAND	10,513,536	5,192,069	577,780	7,136	2,819,651	1,853,990	9,055	1,063	39,933	12,691	168	
PROD_ENERGY	6,193,526	2,676,670	313,337	5,077	1,792,450	1,341,483	6,886	764	43,010	13,669	181	
TRANSMISSION	7,350,362	4,145,015	439,139	3,708	1,768,261	989,626	4,072	542	0	0	0	
DIST_SUBS	3,802,913	2,434,024	227,632	897	729,968	363,619	23,393	132	15,925	5,061	2,262	
DIST_PRIMARY	3,946,153	2,642,370	248,069	974	795,787	208,176	25,396	143	17,288	5,494	2,455	
DIST_L_XFMR	3,167,371	2,141,589	200,914	789	642,693	142,445	20,359	116	14,011	4,453	0	
DIST_SEC_SERV	4,325,123	969,075	90,529	357	219,924	0	3,257	53	1,533,844	1,508,083	1,095	
CUSTOMER	19,539,404	16,485,808	2,196,913	82,508	705,262	27,352	14,123	8,898	0	17,445	6,160	
Total	58,838,387	36,686,620	4,294,313	101,447	9,473,997	4,926,691	106,542	11,711	1,664,011	1,566,896	6,160	



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COS DETAIL - RATE BASE													
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADJPLT ADDITIONS TO EPIS INT													
PROD_DEMAND	14,202,726	7,013,960	780,522	9,640	3,809,064	2,504,553	12,232	1,436	53,946	17,145	227		
PROD_ENERGY	67,696	29,256	3,425	55	19,592	14,663	75	8	470	149	2		
TRANSMISSION	2,168,069	1,221,741	129,436	1,093	521,194	293,246	1,200	160	0	0	0		
DIST_SUBS	1,104,757	707,091	66,128	261	212,058	105,632	6,796	38	4,626	1,470	657		
DIST_PRIMARY	1,087,411	728,756	68,393	269	219,345	56,645	7,004	40	4,768	1,515	677		
DIST_L_XFMR	993,072	671,457	62,993	248	201,505	44,661	6,383	36	4,393	1,396	0		
DIST_SEC_SERV	1,286,812	273,776	25,576	101	62,131	0	920	15	484,185	440,109	0		
CUSTOMER	4,301,715	3,622,524	482,638	18,126	162,649	7,078	3,168	1,809	0	3,493	230		
Total	25,212,258	14,268,560	1,619,111	29,793	5,207,538	3,026,478	37,779	3,542	552,388	465,277	1,792		
ADJPLT REMOVE ASHEVILLE CWIP IN RATEB													
PROD_DEMAND	(102,930,389)	(50,831,770)	(5,656,622)	(69,865)	(27,605,157)	(18,151,069)	(88,650)	(10,406)	(390,959)	(124,250)	(1,642)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(102,930,389)	(50,831,770)	(5,656,622)	(69,865)	(27,605,157)	(18,151,069)	(88,650)	(10,406)	(390,959)	(124,250)	(1,642)		
ADJPLT PLANT RETIREMENT - PROD													
PROD_DEMAND	(283,932,778)	(140,219,092)	(15,603,753)	(192,723)	(76,148,638)	(50,069,599)	(244,539)	(28,704)	(1,078,457)	(342,744)	(4,530)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(283,932,778)	(140,219,092)	(15,603,753)	(192,723)	(76,148,638)	(50,069,599)	(244,539)	(28,704)	(1,078,457)	(342,744)	(4,530)		
EPIS ADJUSTMENTS													
PROD_DEMAND	(289,527,738)	(142,982,141)	(15,911,228)	(196,521)	(77,649,164)	(51,056,232)	(249,358)	(29,269)	(1,099,708)	(349,498)	(4,619)		
PROD_ENERGY	4,869,760	2,104,575	246,366	3,992	1,409,343	1,054,762	5,414	600	33,817	10,747	142		
TRANSMISSION	172,150,490	97,831,739	10,364,669	87,513	41,734,962	22,022,712	96,110	12,785	0	0	0		
DIST_SUBS	77,697,620	49,729,735	4,650,770	18,331	14,914,034	7,429,132	477,952	2,699	325,359	103,402	46,205		
DIST_PRIMARY	76,481,391	51,255,865	4,810,321	18,894	15,427,288	3,984,080	492,619	2,782	335,344	106,575	47,623		
DIST_L_XFMR	69,838,239	47,220,489	4,430,014	17,406	14,170,919	3,140,818	448,904	2,563	308,942	98,185	0		
DIST_SEC_SERV	90,499,664	19,255,148	1,798,776	7,098	4,369,809	0	64,714	1,045	34,050,314	30,952,759	0		
CUSTOMER	302,626,116	254,845,511	33,953,753	1,275,199	11,441,760	497,879	222,838	127,275	0	245,731	16,171		
Total	504,635,542	379,260,922	44,343,442	1,231,912	25,818,951	(12,926,849)	1,559,194	120,480	33,954,067	31,167,902	105,522		
ADJ PLANT IN SERVICE													
PROD_DEMAND	10,151,657,459	5,013,356,332	557,892,444	6,890,574	2,722,598,258	1,790,175,214	8,743,186	1,026,262	38,558,861	12,254,368	161,961		
PROD_ENERGY	54,636,973	23,612,580	2,764,139	44,792	15,812,330	11,834,059	60,746	6,737	379,415	120,582	1,594		
TRANSMISSION	1,766,014,033	995,998,813	105,519,926	890,946	424,892,500	237,603,217	978,469	130,161	0	0	0		
DIST_SUBS	889,863,698	569,550,083	53,264,845	209,945	170,809,063	85,085,167	5,473,938	30,912	3,726,305	1,184,255	529,185		
DIST_PRIMARY	875,895,667	587,003,220	55,089,758	216,378	176,679,543	45,626,793	5,641,679	31,859	3,840,492	1,220,544	545,401		
DIST_L_XFMR	799,898,786	540,844,277	50,739,579	199,363	162,307,937	35,973,650	5,141,562	29,354	3,538,495	1,124,567	0		
DIST_SEC_SERV	1,036,504,244	220,522,360	20,600,747	81,288	50,045,871	0	741,152	11,969	390,000,434	354,500,423	0		
CUSTOMER	3,465,047,345	2,917,956,851	388,767,154	14,600,899	131,013,721	5,701,590	2,551,526	1,457,162	0	2,813,297	185,145		
Total	19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284		

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

BOOK DEPRECIATION RESERVE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	SGS	SGSCLR	MGS	LGS	SI	TSS	
PROD_DEMAND	(4,522,360,089)	(2,233,349,843)	(248,529,911)	(3,069,613)	(1,212,862,998)	(797,487,206)	(3,894,914)	(457,179)	(17,177,200)	(5,459,076)	(72,150)							
PROD_ENERGY	(13,593,554)	(5,874,756)	(687,711)	(11,144)	(3,934,071)	(2,944,287)	(15,114)	(1,676)	(94,398)	(30,000)	(397)							
TRANSMISSION	(479,806,884)	(272,584,595)	(28,878,655)	(243,834)	(116,284,426)	(61,511,965)	(267,787)	(35,622)	0	0	0							
DIST_SUBS	(374,643,924)	(239,787,822)	(22,425,177)	(88,389)	(71,912,786)	(35,821,936)	(2,304,597)	(13,014)	(1,568,822)	(498,586)	(222,793)							
DIST_PRIMARY	(368,442,828)	(246,924,644)	(23,173,536)	(91,020)	(74,320,029)	(19,188,643)	(2,373,189)	(13,402)	(1,615,514)	(513,426)	(229,424)							
DIST_L_XFMR	(337,163,924)	(227,970,316)	(21,387,150)	(84,033)	(68,414,132)	(15,163,190)	(2,167,211)	(12,373)	(1,491,505)	(474,014)	0							
DIST_SEC_SERV	(436,546,390)	(92,800,637)	(8,669,245)	(34,208)	(21,060,398)	0	(311,893)	(5,037)	(164,404,886)	(149,260,086)	0							
CUSTOMER	(1,451,359,635)	(1,222,157,257)	(162,830,528)	(6,115,417)	(54,928,952)	(2,395,728)	(1,069,143)	(609,268)	(0)	(1,175,874)	(77,469)							
Total	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)	(602,234)							

DEPRECIATION RESERVE ADJUSTMENTS:

ADIDPR DSDR Trans	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

ADIDPR YE DEPR RES-JAAR	PROD_DEMAND	93,549,134	46,198,874	5,141,067	63,498	25,089,175	16,496,749	80,570	9,457	355,326	112,926	1,492	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	93,549,134	46,198,874	5,141,067	63,498	25,089,175	16,496,749	80,570	9,457	355,326	112,926	1,492	
	PROD_DEMAND	(223,453,606)	(110,351,690)	(12,280,071)	(151,672)	(59,928,578)	(39,404,512)	(192,451)	(22,590)	(848,740)	(269,738)	(3,565)	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
ADIDPR ADDITIONS TO EPIS- PROD	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	(223,453,606)	(110,351,690)	(12,280,071)	(151,672)	(59,928,578)	(39,404,512)	(192,451)	(22,590)	(848,740)	(269,738)	(3,565)	
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	(15,314,554)	(8,705,580)	(922,302)	(7,787)	(3,713,795)	(1,955,399)	(8,552)	(1,138)	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(15,314,554)	(8,705,580)	(922,302)	(7,787)	(3,713,795)	(1,955,399)	(8,552)	(1,138)	0	0	0		
ADIDPR ADDITIONS TO EPIS- DIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	(16,068,220)	(10,284,335)	(961,800)	(3,791)	(3,084,290)	(1,536,378)	(98,843)	(558)	(67,286)	(21,384)	(9,555)	
	DIST_PRIMARY	(15,782,409)	(10,577,344)	(992,661)	(3,899)	(3,183,551)	(821,698)	(101,659)	(574)	(69,203)	(21,993)	(9,828)	
	DIST_L_XFMR	(14,485,289)	(9,794,096)	(918,838)	(3,610)	(2,939,219)	(651,443)	(93,108)	(532)	(64,078)	(20,365)	0	
	DIST_SEC_SERV	(18,733,394)	(3,977,548)	(371,574)	(1,466)	(902,674)	0	(13,368)	(216)	(7,064,209)	(6,402,338)	0	
	CUSTOMER	(61,785,004)	(52,024,668)	(6,931,308)	(260,319)	(2,341,645)	(102,459)	(45,540)	(25,870)	0	(49,902)	(3,293)	
	Total	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)	
	ADIDPR ADDITIONS TO EPIS- GEN	PROD_DEMAND	4,155,414	2,052,135	228,364	2,821	1,114,451	732,779	3,579	420	15,783	5,016	66
		PROD_ENERGY	2,447,955	1,057,938	123,844	2,007	708,456	530,213	2,722	302	16,999	5,403	71
TRANSMISSION		2,905,188	1,638,293	173,567	1,465	698,895	391,144	1,609	214	0	0	0	
DIST_SUBS		1,503,079	962,034	89,970	355	288,516	143,718	9,246	52	6,294	2,000	894	
DIST_PRIMARY		1,559,694	1,044,382	98,048	385	314,530	82,280	10,038	57	6,833	2,172	970	
DIST_L_XFMR		1,251,885	846,451	79,410	312	254,021	56,301	8,047	46	5,538	1,760	0	
DIST_SEC_SERV		1,709,480	383,021	35,781	141	86,924	0	1,287	21	606,243	596,061	0	
CUSTOMER		7,722,836	6,515,920	868,317	32,611	278,751	10,811	5,582	3,517	0	6,895	433	
Total		23,255,532	14,500,174	1,697,302	40,096	3,744,543	1,947,246	42,110	4,629	657,691	619,307	2,435	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPR ADDITIONS TO EPIS- INT												
PROD_DEMAND	(21,366,381)	(10,551,704)	(1,174,207)	(14,503)	(5,730,303)	(3,767,815)	(18,402)	(2,160)	(81,156)	(25,792)	(341)	
PROD_ENERGY	(101,841)	(44,013)	(5,152)	(83)	(29,474)	(22,058)	(113)	(13)	(707)	(225)	(3)	
TRANSMISSION	(3,261,612)	(1,837,969)	(194,722)	(1,644)	(784,077)	(441,154)	(1,806)	(240)	(6,960)	0	0	
DIST_SUBS	(1,661,981)	(1,063,737)	(99,482)	(392)	(319,017)	(158,912)	(10,224)	(58)	(2,212)	0	(988)	
DIST_PRIMARY	(1,635,886)	(1,096,330)	(102,890)	(404)	(329,980)	(85,216)	(10,537)	(60)	(7,173)	(2,280)	(1,019)	
DIST_L_XFMR	(1,493,964)	(1,010,130)	(94,766)	(372)	(303,141)	(67,188)	(9,603)	(55)	(6,609)	(2,100)	0	
DIST_SEC_SERV	(1,935,862)	(411,864)	(38,476)	(152)	(93,469)	0	(1,384)	(22)	(728,401)	(662,094)	0	
CUSTOMER	(6,471,439)	(5,449,674)	(726,074)	(27,269)	(244,687)	(10,649)	(4,765)	(2,721)	(0)	(5,254)	(346)	
Total	(37,928,966)	(21,465,421)	(2,435,768)	(44,820)	(7,834,147)	(4,552,992)	(56,834)	(5,329)	(831,005)	(699,956)	(2,697)	
ADIDPR YE DEPR RES-MERGER TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	342,408	194,643	20,621	174	83,034	43,720	191	25	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	342,408	194,643	20,621	174	83,034	43,720	191	25	0	0	0	
ADIDPR NEW RATES - PROD												
PROD_DEMAND	(76,735,677)	(37,895,614)	(4,217,070)	(52,085)	(20,579,932)	(13,531,811)	(66,089)	(7,757)	(291,464)	(92,630)	(1,224)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(76,735,677)	(37,895,614)	(4,217,070)	(52,085)	(20,579,932)	(13,531,811)	(66,089)	(7,757)	(291,464)	(92,630)	(1,224)	
ADIDPR NEW RATES - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	(5,010,270)	(2,848,095)	(301,738)	(2,548)	(1,214,996)	(639,723)	(2,798)	(372)	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(5,010,270)	(2,848,095)	(301,738)	(2,548)	(1,214,996)	(639,723)	(2,798)	(372)	0	0	0	
ADIDPR NEW RATES - DIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	468,194	299,664	28,025	110	89,870	44,767	2,880	16	1,961	623	278	
DIST_PRIMARY	459,866	308,202	28,924	114	92,762	23,943	2,962	17	2,016	641	286	
DIST_L_XFMR	422,071	285,379	26,773	105	85,643	18,982	2,713	15	1,867	593	0	
DIST_SEC_SERV	545,852	115,897	10,827	43	26,302	0	390	6	205,836	186,551	0	
CUSTOMER	1,800,285	1,515,890	201,964	7,585	68,231	2,985	1,327	754	0	1,454	96	
Total	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPR NEW RATES - GEN												
PROD_DEMAND	(1,738,418)	(858,511)	(95,536)	(1,180)	(466,231)	(306,558)	(1,497)	(176)	(6,603)	(2,098)	(28)	
PROD_ENERGY	(1,024,102)	(442,588)	(51,810)	(840)	(296,382)	(221,815)	(1,139)	(126)	(7,112)	(2,260)	(30)	
TRANSMISSION	(1,215,385)	(685,380)	(72,612)	(613)	(292,383)	(163,635)	(673)	(90)	0	0		
DIST_SUBS	(628,813)	(402,467)	(37,639)	(148)	(120,701)	(60,125)	(3,868)	(22)	(2,633)	(837)	(374)	
DIST_PRIMARY	(652,498)	(436,917)	(41,018)	(161)	(131,584)	(34,422)	(4,199)	(24)	(2,859)	(908)	(406)	
DIST_L_XFMR	(523,726)	(354,113)	(33,221)	(131)	(106,270)	(23,553)	(3,366)	(19)	(2,317)	(736)	0	
DIST_SEC_SERV	(715,161)	(160,237)	(14,969)	(59)	(36,365)	0	(539)	(9)	(253,622)	(249,362)	0	
CUSTOMER	(3,230,849)	(2,725,935)	(363,261)	(13,643)	(116,615)	(4,523)	(2,335)	(1,471)	(0)	(2,884)	(181)	
Total	(9,728,952)	(6,066,148)	(710,066)	(16,774)	(1,566,529)	(814,630)	(17,617)	(1,936)	(275,145)	(259,087)	(1,019)	
ADIDPR PLANT RETIREMENT - PROD												
PROD_DEMAND	208,381,799	102,908,536	11,451,788	141,442	55,886,433	36,746,702	179,470	21,066	791,493	251,544	3,325	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	208,381,799	102,908,536	11,451,788	141,442	55,886,433	36,746,702	179,470	21,066	791,493	251,544	3,325	
TOTAL DEPR RESERVE ADJUSTS												
PROD_DEMAND	(4,250,609)	(2,099,147)	(233,596)	(2,885)	(1,139,981)	(749,566)	(3,661)	(430)	(16,145)	(5,131)	(68)	
PROD_ENERGY	1,760,414	760,802	89,061	1,443	509,476	381,296	1,957	217	12,225	3,885	51	
TRANSMISSION	(19,164,721)	(10,897,091)	(1,154,479)	(9,748)	(4,648,692)	(2,442,581)	(10,705)	(1,424)	(359)	(13,743)	0	
DIST_SUBS	(10,326,538)	(6,609,417)	(618,119)	(2,436)	(1,982,176)	(987,382)	(63,523)	(367)	(44,216)	(14,052)	(6,141)	
DIST_PRIMARY	(10,082,915)	(6,758,217)	(634,212)	(2,491)	(2,033,937)	(524,185)	(64,953)	(344)	(41,509)	(13,192)	0	
DIST_L_XFMR	(9,383,396)	(6,344,498)	(595,212)	(2,339)	(1,903,991)	(421,997)	(60,314)	(138)	(4,579,186)	(4,116,621)	0	
DIST_SEC_SERV	(12,070,219)	(2,548,372)	(238,064)	(939)	(578,334)	0	(8,565)	(15,837)	(4,189,323)	(4,189,323)	(2,027)	
CUSTOMER	(38,309,814)	(32,248,508)	(4,296,368)	(161,359)	(1,461,966)	(64,965)	(28,316)	(18,682)	(4,712,074)	(4,189,323)	(14,463)	
Total	(101,827,798)	(66,744,447)	(7,680,995)	(180,754)	(13,239,600)	(4,809,380)	(238,080)	(15,837)	(4,712,074)	(4,189,323)	(14,463)	
ADJ DEPRECIATION RESERVE												
PROD_DEMAND	(4,526,610,698)	(2,235,448,989)	(248,763,506)	(3,072,498)	(1,214,002,979)	(798,236,771)	(3,898,575)	(457,609)	(17,193,345)	(5,464,207)	(772,218)	
PROD_ENERGY	(11,833,139)	(5,113,954)	(598,650)	(9,701)	(3,424,595)	(2,562,991)	(13,156)	(1,459)	(82,173)	(26,115)	(345)	
TRANSMISSION	(498,971,605)	(283,481,686)	(30,033,135)	(253,582)	(120,933,118)	(63,954,546)	(278,492)	(37,046)	0	0	0	
DIST_SUBS	(384,970,462)	(246,397,239)	(23,043,295)	(90,826)	(73,894,962)	(36,809,318)	(2,368,121)	(13,373)	(1,612,064)	(512,329)	(228,934)	
DIST_PRIMARY	(378,525,743)	(233,682,861)	(23,807,755)	(93,511)	(76,353,966)	(19,712,828)	(2,438,142)	(13,769)	(1,659,730)	(527,478)	(235,704)	
DIST_L_XFMR	(346,547,320)	(234,314,814)	(21,982,363)	(86,372)	(70,318,122)	(15,585,187)	(2,227,525)	(12,717)	(1,533,014)	(487,206)	0	
DIST_SEC_SERV	(448,616,610)	(95,349,010)	(8,907,309)	(35,147)	(21,638,732)	0	(320,458)	(5,175)	(168,984,072)	(153,376,706)	0	
CUSTOMER	(1,489,669,449)	(1,254,405,764)	(167,126,896)	(6,276,776)	(56,390,918)	(2,460,693)	(1,097,459)	(625,104)	(0)	(1,206,343)	(79,496)	
Total	(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,686,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)	
BOOK NET PLANT IN SERVICE												
PROD_DEMAND	5,918,825,107	2,922,988,630	325,273,761	4,017,482	1,587,384,424	1,043,744,240	5,097,629	598,352	22,481,369	7,144,790	94,430	
PROD_ENERGY	36,173,660	15,633,250	1,830,062	29,655	10,468,915	7,835,010	40,219	4,460	251,200	79,834	1,055	
TRANSMISSION	1,114,056,658	625,582,479	66,276,602	559,599	266,873,113	154,068,540	614,572	81,753	0	0	0	
DIST_SUBS	437,522,154	280,032,526	26,188,898	103,224	83,982,243	41,834,099	2,691,389	15,199	1,832,124	582,266	260,186	
DIST_PRIMARY	430,971,448	288,822,710	27,105,901	106,464	86,932,226	22,454,069	2,775,871	15,676	1,889,634	600,543	268,353	
DIST_L_XFMR	392,896,622	265,653,472	24,922,415	97,924	79,722,887	17,669,643	2,525,448	14,418	1,738,048	552,368	0	
DIST_SEC_SERV	509,458,189	108,466,574	10,132,725	39,982	24,615,663	0	364,544	5,887	191,545,235	174,287,578	0	
CUSTOMER	1,711,061,594	1,440,954,083	191,982,873	7,210,283	64,643,009	2,807,983	1,259,546	720,620	0	1,391,692	91,505	
Total	10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528	



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COS DETAIL - RATE BASE	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJ NET PLANT IN SERV											
PROD_DEMAND	5,625,046,761	2,777,907,343	309,128,937	3,818,076	1,508,595,278	991,938,443	4,844,611	568,653	21,365,516	6,790,162	89,743
PROD_ENERGY	42,803,834	18,498,627	2,165,489	35,091	12,387,735	9,271,068	47,590	5,278	297,242	94,466	1,249
TRANSMISSION	1,267,042,428	712,517,128	75,486,791	637,365	303,959,382	173,648,671	699,977	93,114	0	0	0
DIST_SUBS	504,893,236	323,152,844	30,221,550	119,119	96,914,102	48,275,849	3,105,818	17,539	2,114,241	671,926	300,250
DIST_PRIMARY	497,369,924	333,320,359	31,282,003	122,867	100,325,577	25,913,965	3,203,537	18,091	2,180,762	693,067	309,697
DIST_L_XFMR	453,351,466	306,529,463	28,757,217	112,991	91,989,815	20,388,463	2,914,037	16,637	2,005,481	637,361	0
DIST_SEC_SERV	587,887,634	125,173,350	11,693,438	46,141	28,407,139	0	420,694	6,794	221,016,362	201,123,717	0
CUSTOMER	1,975,377,896	1,663,551,086	221,640,258	8,324,123	74,622,803	3,240,897	1,454,067	832,058	0	1,606,954	105,649
Total	10,953,773,177	6,260,650,199	710,375,683	13,215,772	2,217,201,831	1,272,677,355	16,690,331	1,558,163	248,979,603	211,617,652	806,587

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE																						
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC			NC	NC	NC	NC				
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL										
PLANT HELD FOR FUTURE USE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
BOOK NUCLEAR FUEL INVENTORY	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Total	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716										
ADINUC NUC FUEL - JAAR	PROD_DEMAND	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)										
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Total	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)										
ADI NUCLEAR FUEL INVENTORY	PROD_DEMAND	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)										
	PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Total	203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284										

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

ACCUM DEFERRED INCOME TAXES:

DFTR NC CLEAN AIR

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SIS	NC SFL
PROD_DEMAND	17,880,376	8,830,154	982,630	12,137	4,795,383	3,153,082	15,400	1,808	67,915	21,584	285
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	17,880,376	8,830,154	982,630	12,137	4,795,383	3,153,082	15,400	1,808	67,915	21,584	285

DFTR ALL PLANT RELATED

PROD_DEMAND	(947,240,923)	(467,791,225)	(52,056,381)	(642,953)	(254,042,899)	(167,039,444)	(815,818)	(95,759)	(3,597,888)	(1,143,443)	(15,112)
PROD_ENERGY	(5,789,185)	(2,501,925)	(292,881)	(4,746)	(1,675,431)	(1,253,905)	(6,437)	(714)	(40,202)	(12,776)	(169)
TRANSMISSION	(178,292,151)	(100,117,391)	(10,606,820)	(89,558)	(42,710,019)	(24,656,925)	(98,355)	(13,084)	0	0	0
DIST_SUBS	(70,020,465)	(44,816,034)	(4,191,237)	(16,520)	(13,440,407)	(6,695,074)	(430,726)	(2,432)	(293,211)	(93,185)	(41,640)
DIST_PRIMARY	(68,972,099)	(46,222,804)	(4,337,992)	(17,038)	(13,912,518)	(3,593,519)	(444,247)	(2,509)	(302,415)	(96,110)	(42,947)
DIST_L_XFMR	(62,878,655)	(42,514,829)	(3,988,550)	(15,672)	(12,758,745)	(2,827,826)	(404,169)	(2,307)	(278,155)	(88,400)	0
DIST_SEC_SERV	(81,533,013)	(17,358,847)	(1,621,628)	(6,399)	(3,939,458)	0	(58,341)	(942)	(30,654,645)	(27,892,753)	0
CUSTOMER	(273,836,029)	(230,608,381)	(30,724,684)	(1,153,924)	(10,345,381)	(449,386)	(201,576)	(115,327)	(0)	(222,725)	(14,644)
Total	(1,688,562,520)	(951,931,435)	(107,820,173)	(1,946,809)	(352,824,859)	(206,516,079)	(2,459,669)	(233,075)	(35,166,516)	(29,549,392)	(114,512)

DFTR TRANSMISSION RELATED

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

NC RETAIL - HARRIS ACCELERATED DEPR UNWIND

PROD_DEMAND	79,100,913	39,063,677	4,347,054	53,691	21,214,271	13,948,904	68,126	7,997	300,448	95,485	1,262
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	79,100,913	39,063,677	4,347,054	53,691	21,214,271	13,948,904	68,126	7,997	300,448	95,485	1,262

SC RETAIL - HARRIS ACCELERATED DEPR UNWIND

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SIS	NC SFL
DFTR EDIT NC RETAIL - FED TAX CHANGE												
PROD_DEMAND	152,947,953	75,532,748	8,405,377	103,815	41,019,492	26,971,323	131,727	15,462	580,940	184,628	2,440	
PROD_ENERGY	934,761	403,978	47,290	766	270,527	202,464	1,039	115	6,491	2,063	27	
TRANSMISSION	28,788,262	16,165,634	1,712,649	14,461	6,896,250	3,981,275	15,881	2,113	0	0	0	
DIST_SUBS	11,305,980	7,236,301	676,746	2,667	2,170,179	1,081,032	69,548	393	47,344	15,046	6,723	
DIST_PRIMARY	11,136,704	7,463,448	700,442	2,751	2,246,410	580,234	71,731	405	48,830	15,519	6,934	
DIST_L_XFMR	10,152,815	6,864,733	644,018	2,530	2,060,114	456,600	65,260	373	44,913	14,274	0	
DIST_SEC_SERV	13,164,874	2,802,877	261,839	1,033	636,092	0	9,420	152	4,949,707	4,503,753	0	
CUSTOMER	44,215,425	37,235,595	4,961,016	186,320	1,670,436	72,561	32,548	18,621	0	35,963	2,365	
Total	272,646,772	153,705,315	17,409,377	314,345	56,969,498	33,345,489	397,155	37,634	5,678,224	4,771,246	18,490	
DFTR EDIT SC RETAIL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
DFTR EDIT WHOL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
BOOK ACCUM DEFERRED INC TAX												
PROD_DEMAND	(697,311,681)	(344,364,647)	(38,321,320)	(473,310)	(187,013,754)	(122,966,136)	(600,565)	(770,493)	(2,648,587)	(841,746)	(11,125)	
PROD_ENERGY	(4,854,423)	(2,097,947)	(245,590)	(3,980)	(1,404,905)	(1,051,441)	(5,397)	(599)	(33,711)	(10,714)	(142)	
TRANSMISSION	(149,503,889)	(83,951,757)	(8,894,170)	(75,097)	(35,813,769)	(20,675,650)	(82,474)	(10,971)	0	0	0	
DIST_SUBS	(58,714,486)	(37,579,733)	(3,514,491)	(13,852)	(11,270,227)	(5,614,042)	(361,178)	(2,040)	(245,867)	(78,139)	(34,916)	
DIST_PRIMARY	(57,835,396)	(38,759,356)	(3,637,551)	(14,287)	(11,666,109)	(3,013,285)	(372,516)	(2,104)	(253,585)	(80,592)	(36,012)	
DIST_L_XFMR	(52,725,840)	(35,650,096)	(3,344,532)	(13,141)	(10,698,631)	(2,371,226)	(338,909)	(1,935)	(233,242)	(74,127)	0	
DIST_SEC_SERV	(68,368,139)	(14,555,969)	(1,359,789)	(5,366)	(3,303,466)	0	(48,921)	(790)	(25,704,938)	(23,389,000)	0	
CUSTOMER	(229,620,604)	(193,372,786)	(25,763,668)	(967,604)	(8,674,246)	(376,825)	(169,028)	(96,706)	(0)	(186,762)	(12,280)	
Total	(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)	





DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL		RES		SGS		SGSCLR		MGS		LG5		SI		TSS		ALS		SLS		SFL							
ADDIFTR REMOVE DSDR - GEN PLANT	PROD_DEMAND	283,367	139,940	15,573	192	75,997	49,970	244	29	1,076	342	5																
	PROD_ENERGY	166,932	72,143	8,445	137	48,311	36,156	186	21	1,159	368	5																
	TRANSMISSION	198,112	111,719	11,836	100	47,659	26,673	110	15	0	0	0																
	DIST_SUBS	102,499	65,603	6,135	24	19,675	9,800	631	4	429	136	61																
	DIST_PRIMARY	106,359	71,219	6,686	26	21,449	5,611	684	4	466	148	66																
	DIST_L_XFMR	85,369	57,721	5,415	21	17,322	3,839	549	3	378	120	0																
	DIST_SEC_SERV	116,573	26,119	2,440	10	5,928	0	88	1	41,341	40,647	0																
	CUSTOMER	526,638	444,336	59,213	2,224	19,009	737	381	240	0	470	30																
	Total	1,585,849	988,801	115,743	2,734	255,349	132,787	2,872	316	44,849	42,232	166																
ADDIFTR REMOVE DSDR - INTANG PLANT	PROD_DEMAND	1,562,606	771,687	85,874	1,061	419,079	275,555	1,346	158	5,935	1,886	25																
	PROD_ENERGY	7,448	3,219	377	6	2,156	1,613	8	1	52	16	0																
	TRANSMISSION	238,534	134,418	14,241	120	57,343	32,263	132	18	0	0	0																
	DIST_SUBS	121,547	77,795	7,275	29	23,331	11,622	748	4	509	162	72																
	DIST_PRIMARY	119,639	80,179	7,525	30	24,133	6,232	771	4	525	167	74																
	DIST_L_XFMR	109,259	73,875	6,931	27	22,170	4,914	702	4	483	154	0																
	DIST_SEC_SERV	141,577	30,121	2,814	11	6,836	0	101	2	53,271	48,421	0																
	CUSTOMER	473,281	398,556	53,101	1,994	17,895	779	349	199	0	384	25																
	Total	2,773,892	1,569,849	178,137	3,278	572,941	332,978	4,156	390	60,775	51,191	197																
ADDIFTR ADDITIONS TO EPIS - PROD	PROD_DEMAND	(22,069,898)	(10,899,133)	(1,212,869)	(14,980)	(5,918,981)	(3,891,875)	(19,008)	(2,231)	(83,828)	(26,641)	(352)																
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0																
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0																
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0																
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0																
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0																
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0																
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0																
	Total	(22,069,898)	(10,899,133)	(1,212,869)	(14,980)	(5,918,981)	(3,891,875)	(19,008)	(2,231)	(83,828)	(26,641)	(352)																
ADDIFTR ADDITIONS TO EPIS - TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0																
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0																
	TRANSMISSION	(1,216,401)	(691,465)	(73,256)	(619)	(294,978)	(155,313)	(679)	(90)	0	0	0																
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0																
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0																
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0																
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0																
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0																
	Total	(1,216,401)	(691,465)	(73,256)	(619)	(294,978)	(155,313)	(679)	(90)	0	0	0																
ADDIFTR ADDITIONS TO EPIS - DIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0																
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0																
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0																
	DIST_SUBS	(775,943)	(496,636)	(46,446)	(183)	(148,942)	(74,193)	(4,773)	(27)	(3,249)	(1,033)	(461)																
	DIST_PRIMARY	(762,141)	(510,785)	(47,936)	(188)	(153,735)	(39,680)	(4,909)	(28)	(3,342)	(1,062)	(475)																
	DIST_L_XFMR	(699,502)	(472,962)	(44,371)	(174)	(141,936)	(31,459)	(4,496)	(26)	(3,094)	(983)	0																
	DIST_SEC_SERV	(904,645)	(192,078)	(17,944)	(71)	(43,591)	0	(646)	(10)	(341,134)	(309,172)	0																
	CUSTOMER	(2,983,630)	(2,512,298)	(334,716)	(12,571)	(113,079)	(4,948)	(2,199)	(1,249)	0	(2,410)	(159)																
	Total	(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)																

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COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SG&CLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ADIDFTR ADDITIONS TO EPIS - GEN	PROD_DEMAND	(247,491)	(122,222)	(13,601)	(168)	(66,375)	(43,643)	(213)	(25)	(940)	(299)	(4)			
	PROD_ENERGY	(145,797)	(63,009)	(7,376)	(120)	(42,195)	(31,579)	(162)	(18)	(1,012)	(322)	(4)			
	TRANSMISSION	(173,029)	(97,574)	(10,337)	(87)	(41,625)	(23,296)	(96)	(13)	0	0	0			
	DIST_SUBS	(89,521)	(57,297)	(5,359)	(21)	(17,184)	(8,560)	(551)	(3)	(375)	(119)	(53)			
	DIST_PRIMARY	(92,893)	(62,202)	(5,840)	(23)	(18,733)	(4,900)	(598)	(3)	(407)	(129)	(58)			
	DIST_L_XFMR	(74,561)	(50,413)	(4,730)	(19)	(15,129)	(3,353)	(479)	(3)	(330)	(105)	0			
	DIST_SEC_SERV	(101,814)	(22,812)	(2,131)	(8)	(5,177)	0	(77)	(1)	(36,107)	(35,501)	0			
	CUSTOMER	(459,961)	(388,079)	(51,716)	(1,942)	(16,602)	(644)	(332)	(209)	(0)	(411)	(26)			
	Total	(1,385,067)	(863,610)	(101,089)	(2,388)	(223,020)	(115,975)	(2,508)	(276)	(39,171)	(36,885)	(145)			
ADIDFTR ADDITIONS TO EPIS - INT	PROD_DEMAND	(104,684)	(51,698)	(5,753)	(71)	(28,076)	(18,460)	(90)	(11)	(398)	(126)	(2)			
	PROD_ENERGY	(499)	(216)	(25)	(0)	(144)	(108)	(1)	(0)	(3)	(1)	(0)			
	TRANSMISSION	(15,980)	(9,005)	(954)	(8)	(3,842)	(2,161)	(9)	(1)	0	0	0			
	DIST_SUBS	(8,143)	(5,212)	(487)	(2)	(1,563)	(779)	(50)	(0)	(34)	(11)	(5)			
	DIST_PRIMARY	(8,015)	(5,371)	(504)	(2)	(1,617)	(418)	(52)	(0)	(35)	(11)	(5)			
	DIST_L_XFMR	(7,320)	(4,949)	(464)	(2)	(1,485)	(329)	(47)	(0)	(32)	(10)	0			
	DIST_SEC_SERV	(9,485)	(2,018)	(189)	(1)	(458)	0	(7)	(0)	(3,569)	(3,244)	0			
	CUSTOMER	(31,707)	(26,701)	(3,557)	(134)	(1,199)	(52)	(23)	(13)	(0)	(26)	(2)			
	Total	(185,832)	(105,169)	(11,934)	(220)	(38,383)	(22,307)	(278)	(26)	(4,071)	(3,429)	(13)			
ADIDFTR ADIT RELATED TO ASH DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	(98,145,346)	(42,415,690)	(4,965,271)	(80,460)	(28,403,963)	(21,257,727)	(109,120)	(12,101)	(681,550)	(216,603)	(2,863)			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
	Total	(98,145,346)	(42,415,690)	(4,965,271)	(80,460)	(28,403,963)	(21,257,727)	(109,120)	(12,101)	(681,550)	(216,603)	(2,863)			
ADIDFTR RATE CASE EXP DEFERRAL	PROD_DEMAND	(347,046)	(171,387)	(19,072)	(236)	(93,075)	(61,199)	(299)	(35)	(1,318)	(419)	(6)			
	PROD_ENERGY	(2,121)	(917)	(107)	(2)	(614)	(459)	(2)	(0)	(15)	(5)	(0)			
	TRANSMISSION	(65,322)	(36,681)	(3,886)	(33)	(15,648)	(9,034)	(36)	(5)	0	0	0			
	DIST_SUBS	(25,654)	(16,420)	(1,536)	(6)	(4,924)	(2,453)	(158)	(1)	(107)	(34)	(15)			
	DIST_PRIMARY	(25,270)	(16,935)	(1,589)	(6)	(5,097)	(1,317)	(163)	(1)	(111)	(35)	(16)			
	DIST_L_XFMR	(23,037)	(15,576)	(1,461)	(6)	(4,674)	(1,036)	(148)	(1)	(102)	(32)	0			
	DIST_SEC_SERV	(29,872)	(6,360)	(594)	(2)	(1,443)	0	(21)	(0)	(11,231)	(10,219)	0			
	CUSTOMER	(100,327)	(84,489)	(11,257)	(423)	(3,790)	(165)	(74)	(42)	(0)	(82)	(5)			
	Total	(618,649)	(348,765)	(39,503)	(713)	(129,267)	(75,663)	(901)	(85)	(12,884)	(10,826)	(42)			
ADIDFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS	PROD_DEMAND	10,898,444	5,382,154	598,933	7,397	2,922,881	1,921,866	9,386	1,102	41,395	13,156	174			
	PROD_ENERGY	66,607	28,786	3,370	55	19,277	14,427	74	8	463	147	2			
	TRANSMISSION	2,051,333	1,151,897	122,036	1,030	491,398	283,689	1,132	151	0	0	0			
	DIST_SUBS	805,618	515,629	48,222	190	154,638	77,030	4,956	28	3,374	1,072	479			
	DIST_PRIMARY	793,556	531,815	49,911	196	160,070	41,345	5,111	29	3,479	1,106	494			
	DIST_L_XFMR	723,448	489,153	45,890	180	146,795	32,535	4,650	27	3,200	1,017	0			
	DIST_SEC_SERV	938,075	199,722	18,658	74	45,325	0	671	11	352,696	320,919	0			
	CUSTOMER	3,150,610	2,653,256	353,502	13,276	119,028	5,170	2,319	1,327	0	2,563	168			
	Total	19,427,691	10,952,410	1,240,521	22,399	4,059,413	2,376,063	28,300	2,682	404,607	339,979	1,318			

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COS DETAIL - RATE BASE													
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADIDFTR SEVERANCE DEFERRAL													
PROD_DEMAND	(2,135,745)	(1,054,729)	(117,372)	(1,450)	(572,791)	(376,624)	(1,839)	(216)	(8,112)	(2,578)		(34)	
PROD_ENERGY	(1,690,755)	(730,697)	(85,537)	(1,386)	(489,317)	(366,208)	(1,880)	(208)	(11,741)	(3,731)		(49)	
TRANSMISSION	(170,085)	(96,685)	(10,243)	(86)	(41,246)	(21,717)	(95)	(13)	0	0		0	
DIST_SUBS	(102,911)	(65,867)	(6,160)	(24)	(19,754)	(9,840)	(633)	(4)	(431)	(137)		(61)	
DIST_PRIMARY	(158,649)	(105,689)	(9,943)	(39)	(31,944)	(9,003)	(1,016)	(6)	(691)	(220)		(98)	
DIST_L_XFMR	(21,549)	(14,570)	(1,367)	(5)	(4,373)	(969)	(139)	(1)	(95)	(30)		0	
DIST_SEC_SERV	(90,344)	(33,036)	(3,086)	(12)	(7,497)	0	(111)	(2)	(7,554)	(39,045)		0	
CUSTOMER	(1,001,929)	(845,311)	(112,658)	(4,231)	(35,997)	(1,357)	(760)	(516)	(0)	(1,033)		(66)	
Total	(5,371,966)	(2,946,584)	(346,366)	(7,234)	(1,202,917)	(785,718)	(6,473)	(965)	(28,625)	(46,775)		(309)	
ADIDFTR ADIT RELATED TO STORM DEFERRAL													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0		0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0		0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		0	
DIST_PRIMARY	(32,203,509)	(21,385,418)	(2,014,448)	(7,883)	(6,478,047)	(1,906,767)	(205,535)	(1,161)	(139,915)	(44,466)		(19,870)	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		0	
DIST_SEC_SERV	(7,949,780)	(5,964,873)	(557,226)	(2,199)	(1,353,683)	(20,047)	(20,047)	(324)	(39,025)	(12,403)		0	
CUSTOMER	(101,500,031)	(86,547,607)	(11,543,559)	(433,536)	(2,732,583)	(13,606)	(54,575)	(56,257)	0	(113,811)		(4,497)	
Total	(141,653,320)	(113,897,899)	(14,115,233)	(443,617)	(10,564,312)	(1,920,373)	(280,157)	(57,741)	(178,940)	(170,680)		(24,367)	
ADIDFTR ADIT RETIRED PLANT - PROD													
PROD_DEMAND	(15,109,247)	(7,461,643)	(830,341)	(10,256)	(4,052,187)	(2,664,412)	(13,013)	(1,527)	(57,389)	(18,239)		(241)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0		0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0		0	
Total	(15,109,247)	(7,461,643)	(830,341)	(10,256)	(4,052,187)	(2,664,412)	(13,013)	(1,527)	(57,389)	(18,239)		(241)	
ADIDFTR ADIT ASHEVILLE CC													
PROD_DEMAND	(6,224,295)	(3,073,844)	(342,061)	(4,225)	(1,669,309)	(1,097,612)	(5,361)	(629)	(23,642)	(7,514)		(99)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0		0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0		0	
Total	(6,224,295)	(3,073,844)	(342,061)	(4,225)	(1,669,309)	(1,097,612)	(5,361)	(629)	(23,642)	(7,514)		(99)	
TOTAL ACCUM DEF TAX ADISTS													
PROD_DEMAND	15,927,634	11,190,238	1,327,951	23,848	4,637,395	(1,293,252)	30,620	3,601	4,880	2,334		17	
PROD_ENERGY	(100,462,541)	(35,962,343)	(15,214,055)	(540,397)	(25,227,021)	(21,300,792)	(110,120)	(54,765)	(1,738,496)	(307,461)		(7,091)	
TRANSMISSION	5,402,730	3,025,052	320,486	2,706	1,290,485	760,635	2,972	395	0	0		0	
DIST_SUBS	4,084,829	2,614,462	244,507	964	784,082	390,575	25,128	142	17,105	5,436		2,429	
DIST_PRIMARY	(28,240,769)	(18,729,049)	(1,765,174)	(6,904)	(5,678,652)	(1,701,088)	(180,005)	(1,017)	(122,536)	(38,943)		(17,402)	
DIST_L_XFMR	3,743,575	2,531,184	237,464	933	759,611	168,359	24,063	137	16,560	5,263		0	
DIST_SEC_SERV	(3,161,968)	(4,960,201)	(463,372)	(1,828)	(1,125,680)	0	(16,671)	(269)	1,789,184	1,616,869		0	
CUSTOMER	(86,209,660)	(73,673,078)	(9,828,288)	(369,115)	(2,152,465)	11,860	(43,338)	(49,923)	(0)	(101,621)		(3,693)	
Total	(188,916,170)	(113,963,734)	(25,140,481)	(889,793)	(26,712,245)	(22,963,704)	(267,351)	(101,698)	(33,301)	1,181,877		(25,739)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL							
<b>ADI ACCUM DEFERRED INC TAX</b>																		
PROD_DEMAND	(681,384,048)	(333,174,408)	(36,993,369)	(449,461)	(182,376,359)	(124,259,388)	(569,945)	(66,892)	(2,643,706)	(839,411)	(11,108)							
PROD_ENERGY	(105,316,964)	(38,060,289)	(15,459,645)	(544,377)	(26,631,926)	(22,352,233)	(115,517)	(55,363)	(1,772,206)	(318,174)	(7,233)							
TRANSMISSION	(144,101,159)	(80,926,705)	(8,573,685)	(72,391)	(34,523,284)	(19,915,015)	(79,502)	(10,576)	0	0	0							
DIST_SUBS	(54,629,656)	(34,965,271)	(3,269,984)	(12,889)	(10,486,146)	(5,223,467)	(336,051)	(1,898)	(228,762)	(72,703)	(32,487)							
DIST_PRIMARY	(86,076,165)	(57,488,405)	(5,402,725)	(21,191)	(17,344,761)	(4,714,374)	(552,520)	(3,120)	(376,120)	(119,535)	(53,414)							
DIST_L_XFMR	(48,982,265)	(33,118,912)	(3,107,067)	(12,208)	(9,939,020)	(2,202,867)	(314,847)	(1,798)	(216,682)	(68,864)	0							
DIST_SEC_SERV	(71,530,107)	(19,516,171)	(1,823,161)	(7,194)	(4,429,046)	0	(65,592)	(1,059)	(23,915,754)	(21,772,131)	0							
CUSTOMER	(315,830,264)	(267,045,863)	(35,591,956)	(1,336,719)	(10,827,411)	(364,965)	(212,366)	(146,628)	(0)	(288,383)	(15,973)							
Total	(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)							

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

REGULATORY ASSETS:

RA SFAS 109

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SLS	NC SFL
PROD_DEMAND	55,353,164	27,335,944	3,041,977	37,572	14,845,303	9,761,151	47,673	5,596	210,247	66,818	883
PROD_ENERGY	338,298	146,203	17,115	277	97,906	73,273	376	42	2,349	747	10
TRANSMISSION	10,418,717	5,850,480	619,822	5,233	2,495,811	1,440,857	5,748	765	0	0	0
DIST_SUBS	4,091,730	2,618,879	244,920	965	785,406	391,235	25,170	142	17,134	5,445	2,433
DIST_PRIMARY	4,030,468	2,701,085	253,496	996	812,995	209,992	25,960	147	17,672	5,616	2,510
DIST_L_XFMR	3,674,390	2,484,405	233,076	916	745,573	165,247	23,618	135	16,254	5,166	0
DIST_SEC_SERV	4,764,480	1,014,385	94,762	374	230,207	0	3,409	55	1,791,341	1,629,947	0
CUSTOMER	16,001,938	13,475,879	1,795,434	67,431	604,545	26,260	11,779	6,739	0	13,015	856
Total	98,673,185	55,627,260	6,300,602	113,764	20,617,746	12,068,016	143,734	13,620	2,054,998	1,726,754	6,692

RA SFAS 158

PROD_DEMAND	117,473,581	58,013,868	6,455,854	79,737	31,505,532	20,715,661	101,175	11,876	446,198	141,806	1,874
PROD_ENERGY	92,997,570	40,190,964	4,704,840	76,240	26,914,160	20,142,748	103,396	11,466	645,802	205,242	2,713
TRANSMISSION	9,355,255	5,318,008	563,410	4,757	2,268,659	1,194,501	5,224	695	0	0	0
DIST_SUBS	5,660,474	3,622,941	338,821	1,335	1,086,526	541,232	34,820	197	23,703	7,533	3,366
DIST_PRIMARY	8,726,263	5,813,274	546,891	2,143	1,757,042	495,205	55,871	316	38,034	12,087	5,401
DIST_L_XFMR	1,185,277	801,414	75,185	295	240,505	53,305	7,619	43	5,243	1,666	0
DIST_SEC_SERV	4,969,223	1,817,082	169,748	670	412,373	0	6,107	99	415,507	2,147,637	0
CUSTOMER	55,109,693	46,495,111	6,196,601	232,710	1,979,951	74,664	41,813	28,366	0	56,824	3,654
Total	295,477,336	162,072,662	19,051,350	397,887	66,164,748	43,217,315	356,026	53,058	1,574,486	2,572,796	17,008

RA MAYO 2 ABANDONMENT - WHS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

RA PRODUCTION REL

PROD_DEMAND	22,913,419	11,315,702	1,259,225	15,553	6,145,207	4,040,624	19,734	2,316	87,032	27,659	366
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	22,913,419	11,315,702	1,259,225	15,553	6,145,207	4,040,624	19,734	2,316	87,032	27,659	366

RA GRIDSOUTH

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

Rate Base NC - 4B



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RA EMISSION ALLOWANCE PROCEEDS - NCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	
RA DISTRIBUTION REL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	2,460,405	1,574,762	147,273	580	472,274	235,254	15,135	85	10,303	3,274	1,463	
DIST_PRIMARY	2,416,641	1,619,629	151,999	597	487,473	125,820	15,566	88	10,596	3,368	1,505	
DIST_L_XFMR	2,218,023	1,499,696	140,695	553	450,060	99,751	14,257	81	9,812	3,118	0	
DIST_SEC_SERV	2,868,503	609,052	56,896	225	138,220	0	2,047	33	1,081,689	980,342	0	
CUSTOMER	9,460,670	7,966,144	1,061,339	39,861	358,558	15,689	6,973	3,961	3,961	7,641	504	
Total	19,424,242	13,269,283	1,558,202	41,815	1,906,585	476,514	53,978	4,249	1,112,400	997,743	3,472	
RA STORM REL REG ASSETS (LIABILITIES)- NCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	6,380,902	4,237,372	399,149	1,562	1,283,580	377,813	40,725	230	27,723	8,811	3,937	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	1,575,194	1,181,898	110,411	436	268,223	0	3,972	64	7,733	2,457	0	
CUSTOMER	20,111,527	17,148,808	2,287,276	85,902	541,442	2,696	10,814	11,147	11,147	22,551	891	
Total	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828	
RA STORM REL REG ASSETS (LIABILITIES)- SCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
RA METER PLANT RETIREMENTS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
RA EMISSION ALLOWANCE PROCEEDS - NCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020	
Total	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL													
RL EDIT NC RETAIL - FED TAX CHANGE	PROD_DEMAND	(660,131,938)	(326,003,576)	(36,278,078)	(448,073)	(177,042,426)	(116,409,743)	(568,543)	(66,735)	(2,507,367)	(796,865)	(10,532)												
	PROD_ENERGY	(4,034,481)	(1,743,591)	(204,108)	(3,307)	(1,167,608)	(873,846)	(4,486)	(497)	(28,017)	(8,904)	(138)												
	TRANSMISSION	(124,251,751)	(69,771,782)	(7,391,890)	(62,413)	(29,764,601)	(17,183,404)	(68,544)	(9,118)	0	0	0												
	DIST_SUBS	(48,797,243)	(31,232,282)	(2,920,872)	(11,513)	(9,366,616)	(4,665,795)	(300,173)	(1,695)	(204,338)	(64,941)	(29,019)												
	DIST_PRIMARY	(48,066,637)	(32,212,659)	(3,023,146)	(11,874)	(9,695,630)	(2,504,323)	(309,595)	(1,748)	(210,753)	(66,979)	(29,930)												
	DIST_L_XFMR	(43,820,117)	(29,628,573)	(2,779,620)	(10,922)	(8,891,566)	(1,970,711)	(281,665)	(1,608)	(193,846)	(61,606)	0												
	DIST_SEC_SERV	(56,820,334)	(12,097,375)	(1,130,112)	(4,459)	(2,745,407)	0	(40,658)	(657)	(21,363,214)	(19,438,452)	0												
	CUSTOMER	(190,836,253)	(160,710,917)	(21,412,024)	(804,169)	(7,209,693)	(313,177)	(140,478)	(80,371)	(0)	(155,217)	(10,206)												
	Total	(1,176,758,753)	(663,400,754)	(75,139,849)	(1,356,731)	(245,883,547)	(143,920,999)	(1,714,143)	(162,430)	(24,507,535)	(20,592,963)	(79,804)												
RL EDIT SC RETAIL - FED TAX CHANGE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0												
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0												
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0												
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0												
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0												
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0												
	Total	0	0	0	0	0	0	0	0	0	0	0												
RL EDIT WHL - FED TAX CHANGE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0												
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0												
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0												
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0												
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0												
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0												
	Total	0	0	0	0	0	0	0	0	0	0	0												
RA OVER AMORTIZATIONS - NC RETAIL	PROD_DEMAND	(1,936,871)	(956,516)	(106,442)	(1,315)	(519,454)	(341,554)	(1,668)	(196)	(7,357)	(2,338)	(31)												
	PROD_ENERGY	(11,837)	(5,116)	(599)	(10)	(3,426)	(2,564)	(13)	(1)	(82)	(26)	(0)												
	TRANSMISSION	(364,563)	(204,715)	(21,688)	(183)	(87,331)	(50,417)	(201)	(27)	0	0	0												
	DIST_SUBS	(143,174)	(91,638)	(8,570)	(34)	(27,482)	(13,690)	(881)	(5)	(600)	(191)	(85)												
	DIST_PRIMARY	(141,031)	(94,514)	(8,870)	(35)	(28,448)	(7,348)	(908)	(5)	(618)	(197)	(88)												
	DIST_L_XFMR	(128,571)	(86,932)	(8,156)	(32)	(26,088)	(5,782)	(826)	(5)	(569)	(181)	0												
	DIST_SEC_SERV	(166,715)	(35,495)	(3,316)	(13)	(8,055)	0	(119)	(2)	(62,681)	(57,034)	0												
	CUSTOMER	(559,926)	(471,537)	(62,824)	(2,359)	(21,154)	(919)	(412)	(236)	(0)	(455)	(30)												
	Total	(3,452,689)	(1,946,462)	(220,465)	(3,981)	(721,439)	(422,274)	(5,029)	(477)	(71,907)	(60,421)	(234)												
RA PLANT REL	PROD_DEMAND	(10,187,056)	(5,030,838)	(559,838)	(6,915)	(2,732,092)	(1,796,418)	(8,774)	(1,030)	(38,693)	(12,297)	(163)												
	PROD_ENERGY	(62,260)	(26,907)	(3,150)	(51)	(18,018)	(13,485)	(69)	(8)	(432)	(137)	(2)												
	TRANSMISSION	(1,917,434)	(1,076,708)	(114,071)	(963)	(459,323)	(265,172)	(1,058)	(141)	0	0	0												
	DIST_SUBS	(753,032)	(481,972)	(45,074)	(178)	(144,544)	(72,002)	(4,652)	(26)	(3,153)	(1,002)	(448)												
	DIST_PRIMARY	(741,757)	(497,101)	(46,653)	(183)	(149,621)	(38,646)	(4,778)	(27)	(3,252)	(1,034)	(462)												
	DIST_L_XFMR	(676,225)	(457,224)	(42,895)	(169)	(137,213)	(30,412)	(4,347)	(25)	(2,991)	(951)	0												
	DIST_SEC_SERV	(876,843)	(186,685)	(17,440)	(69)	(42,367)	0	(627)	(10)	(329,674)	(299,971)	0												
	CUSTOMER	(2,944,956)	(2,480,067)	(330,427)	(12,410)	(111,259)	(4,833)	(2,168)	(1,240)	(0)	(2,395)	(157)												
	Total	(18,159,563)	(10,237,500)	(1,159,547)	(20,937)	(3,794,438)	(2,220,967)	(26,452)	(2,507)	(378,197)	(317,787)	(1,232)												

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COS DETAIL - RATE BASE													
		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088		
BOOK REGULATORY ASSETS													
PROD_DEMAND	(366,628,726)	(166,709,698)	(18,194,774)	(192,584)	(96,748,586)	(82,356,845)	(242,813)	(28,471)	(1,632,607)	(515,476)	(6,871)		
PROD_ENERGY	262,072,410	145,392,623	(30,290,181)	(1,754,214)	92,384,319	58,649,885	298,331	(149,857)	(2,657,276)	209,037	(10,255)		
TRANSMISSION	(106,759,776)	(59,884,716)	(6,344,416)	(53,568)	(25,546,784)	(14,863,635)	(58,831)	(7,826)	0	0	0		
DIST_SUBS	(37,480,840)	(23,989,309)	(2,243,502)	(8,843)	(7,194,436)	(3,583,766)	(230,561)	(1,302)	(156,951)	(49,881)	(22,289)		
DIST_PRIMARY	(27,395,151)	(18,432,914)	(1,727,134)	(6,795)	(5,532,610)	(1,341,487)	(177,158)	(1,000)	(120,598)	(38,327)	(17,127)		
DIST_L_XFMR	(37,547,224)	(25,387,214)	(2,381,714)	(9,358)	(7,618,730)	(1,688,602)	(241,345)	(1,378)	(166,097)	(52,787)	0		
DIST_SEC_SERV	(43,686,493)	(7,697,137)	(719,051)	(2,837)	(1,746,807)	0	(25,869)	(418)	(18,459,300)	(15,035,074)	0		
CUSTOMER	(82,153,433)	(70,464,636)	(9,400,148)	(353,083)	(1,850,704)	32,406	(27,815)	(30,949)	0	(58,037)	(467)		
Total	(439,579,232)	(227,173,001)	(71,300,921)	(2,381,283)	(53,854,338)	(45,152,044)	(706,061)	(221,202)	(23,192,828)	(15,540,545)	(57,009)		
REGULATORY ASSET ADJUSTMENTS:													
ADIRA REMOVE DSM													
PROD_DEMAND	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)		
PROD_ENERGY	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)		
ADIRA REMOVE REPS													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
PROD_ENERGY	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727		

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ADIRA REMOVE JAAR														
PROD_DEMAND	(44,392,629)	(21,923,126)	(2,439,632)	(30,132)	(11,905,770)	(7,828,336)	(38,233)	(4,488)	(168,616)	(53,588)	(708)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(44,392,629)	(21,923,126)	(2,439,632)	(30,132)	(11,905,770)	(7,828,336)	(38,233)	(4,488)	(168,616)	(53,588)	(708)			
ADIRA ADJUST RETIRED METERS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)			
Total	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)			
ADIRA NC COAL ASH DEFERRAL														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	423,600,817	183,068,494	21,430,389	347,269	122,593,097	91,749,540	470,967	52,229	2,941,606	934,870	12,356			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	423,600,817	183,068,494	21,430,389	347,269	122,593,097	91,749,540	470,967	52,229	2,941,606	934,870	12,356			
ADIRA ANNUAL/ REM EXP. REG ASSETS - PROD														
PROD_DEMAND	(12,930,007)	(6,385,433)	(710,579)	(8,776)	(3,467,731)	(2,280,118)	(11,136)	(1,307)	(49,112)	(15,608)	(206)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(12,930,007)	(6,385,433)	(710,579)	(8,776)	(3,467,731)	(2,280,118)	(11,136)	(1,307)	(49,112)	(15,608)	(206)			
ADIRA ANNUAL/ REM EXP. REG ASSETS - ENERGY														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)			

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COS DETAIL - RATE BASE													
ADIRA ANNUAL/ REM EXP. REG ASSETS - DIST													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(107,475)	(68,788)	(6,433)	(25)	(20,630)	(10,276)	(661)	(4)	(450)	(143)	(64)	(66)	(64)
DIST_PRIMARY	(105,563)	(70,748)	(6,640)	(26)	(21,294)	(5,496)	(680)	(4)	(463)	(147)	(136)	(136)	0
DIST_L_XFMR	(96,887)	(65,509)	(6,146)	(24)	(19,659)	(4,357)	(623)	(89)	(47,250)	(42,823)	(334)	(22)	(22)
DIST_SEC_SERV	(125,301)	(26,604)	(2,485)	(10)	(6,038)	0	(89)	(1)	(47,250)	(42,823)	(334)	(22)	(22)
CUSTOMER	(413,259)	(347,975)	(46,361)	(1,741)	(15,662)	(685)	(305)	(173)	0	(43,583)	(152)	(152)	(152)
Total	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,358)	(186)	(48,592)	(43,583)	(152)	(152)	(152)
ADIRA ANNUAL/ REM EXP. REG ASSETS - PLANT													
PROD_DEMAND	957,160	472,690	52,601	650	256,703	168,789	824	97	3,636	1,155	15	15	15
PROD_ENERGY	5,850	2,528	296	5	1,693	1,267	7	1	41	13	0	0	0
TRANSMISSION	180,159	101,166	10,718	90	43,157	24,915	99	13	0	0	0	0	0
DIST_SUBS	70,754	45,285	4,235	17	13,581	6,765	435	2	296	94	42	42	42
DIST_PRIMARY	69,694	46,707	4,383	17	14,058	3,631	449	3	306	97	43	43	43
DIST_L_XFMR	63,537	42,960	4,030	16	12,892	2,857	408	2	281	89	0	0	0
DIST_SEC_SERV	82,387	17,541	1,639	6	3,981	0	59	1	30,976	28,185	0	0	0
CUSTOMER	276,703	233,023	31,046	1,166	10,454	454	204	117	0	225	15	15	15
Total	1,706,244	961,899	108,949	1,967	356,519	208,679	2,485	236	35,535	29,859	116	116	116
ADIRA ANNUAL/ REM EXP. REG ASSETS - STORM													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	(2,707,041)	(1,797,668)	(169,335)	(663)	(544,547)	(160,284)	(17,277)	(98)	(11,761)	(3,738)	(1,670)	(1,670)	(1,670)
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(668,262)	(501,410)	(46,841)	(185)	(113,791)	0	(1,685)	(27)	(3,280)	(1,043)	(378)	(378)	(378)
CUSTOMER	(8,532,137)	(7,275,229)	(970,357)	(36,443)	(229,702)	(1,144)	(4,588)	(4,729)	0	(9,567)	(2,048)	(2,048)	(2,048)
Total	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)	(2,048)	(2,048)
ADIRA DEFERRED SEVERANCE													
PROD_DEMAND	9,217,993	4,552,270	506,582	6,257	2,472,197	1,625,530	7,939	932	35,013	11,127	147	147	147
PROD_ENERGY	7,297,394	3,153,731	369,182	5,982	2,111,918	1,580,574	8,113	900	50,675	16,105	213	213	213
TRANSMISSION	734,094	417,297	44,210	373	178,019	93,731	410	55	0	0	0	0	0
DIST_SUBS	444,170	284,287	26,587	105	85,258	42,470	2,732	15	1,860	591	264	264	264
DIST_PRIMARY	684,738	456,160	42,914	168	137,873	38,858	4,384	25	2,984	948	424	424	424
DIST_L_XFMR	93,007	62,886	5,900	23	18,872	4,183	598	3	411	131	0	0	0
DIST_SEC_SERV	389,928	142,584	13,320	53	32,358	0	479	8	32,604	168,522	0	0	0
CUSTOMER	4,324,383	3,648,409	486,239	18,260	155,364	5,859	3,281	2,226	0	4,459	287	287	287
Total	23,185,707	12,717,623	1,494,934	31,222	5,191,858	3,391,204	27,937	4,163	123,548	201,884	1,335	1,335	1,335
ADIRA ADJUST STORM DEFERRAL													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	128,115,699	85,077,927	8,014,109	31,361	25,771,709	7,585,719	817,683	4,618	556,626	176,901	79,048	79,048	79,048
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	31,626,726	23,730,143	2,216,821	8,747	5,385,375	0	79,754	1,288	155,255	49,342	0	0	0
CUSTOMER	403,799,077	344,313,629	45,923,911	1,724,742	10,871,076	54,128	217,117	223,806	452,777	452,777	17,890	17,890	17,890
Total	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,693,847	1,114,554	229,712	711,881	679,019	96,938	96,938	96,938

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIRA ADJUST STORM DEFERRAL-TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	44,673,398	25,394,657	2,690,407	22,716	10,833,345	5,704,006	24,948	3,319	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	44,673,398	25,394,657	2,690,407	22,716	10,833,345	5,704,006	24,948	3,319	0	0	0	0
ADIRA ADJUST STORM DEFERRAL-PROD												
PROD_DEMAND	3,168,770	1,564,885	174,142	2,151	849,840	558,791	2,729	320	12,036	3,825	0	51
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,168,770	1,564,885	174,142	2,151	849,840	558,791	2,729	320	12,036	3,825	0	51
ADIRA ADJUST RETIRED PLANT - PROD												
PROD_DEMAND	65,212,359	32,204,868	3,583,797	44,264	17,489,465	11,499,752	56,165	6,593	247,695	78,720	1,040	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	65,212,359	32,204,868	3,583,797	44,264	17,489,465	11,499,752	56,165	6,593	247,695	78,720	1,040	0
ADIRA ADJUST ASHEVILLE CC												
PROD_DEMAND	26,864,406	13,266,882	1,476,355	18,235	7,204,832	4,737,354	23,137	2,716	102,039	32,429	429	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	26,864,406	13,266,882	1,476,355	18,235	7,204,832	4,737,354	23,137	2,716	102,039	32,429	429	0
TOTAL REG ASSETS ADJUSTMENTS												
PROD_DEMAND	(61,788,923)	(44,862,682)	(5,349,260)	(98,210)	(18,149,808)	6,808,329	(126,165)	(14,839)	5,356	(1,679)	36	0
PROD_ENERGY	374,325,845	129,641,007	62,486,205	2,275,935	91,793,874	79,190,377	409,228	228,324	7,076,608	1,195,469	28,818	0
TRANSMISSION	45,587,651	25,913,119	2,745,335	23,180	11,054,521	5,822,652	25,457	3,386	0	0	0	0
DIST_SUBS	407,449	260,784	24,389	96	78,210	38,959	2,506	14	1,706	542	242	0
DIST_PRIMARY	126,057,528	83,712,378	7,885,431	30,858	25,357,799	7,462,428	804,558	4,543	547,691	174,062	77,779	0
DIST_L_XFMR	59,657	40,337	3,784	15	12,105	2,683	383	2	264	84	0	0
DIST_SEC_SERV	31,305,478	23,362,253	2,182,454	8,612	5,301,885	0	78,518	1,268	168,305	202,183	0	0
CUSTOMER	397,997,263	339,328,416	45,258,621	1,699,755	10,751,253	57,980	214,828	221,140	0	447,560	17,710	0
Total	913,951,947	557,395,611	115,236,959	3,940,241	126,199,839	99,383,408	1,409,314	443,839	7,799,931	2,018,220	124,566	0



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COS DETAIL - RATE BASE												
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADI REGULATORY ASSETS	PROD_DEMAND	(428,417,649)	(211,572,380)	(23,544,034)	(290,794)	(114,898,395)	(75,548,516)	(368,978)	(43,310)	(1,627,251)	(517,156)	(6,835)
	PROD_ENERGY	636,398,255	275,033,630	32,196,024	521,721	184,178,193	137,840,262	707,559	78,467	4,419,333	1,404,506	18,563
	TRANSMISSION	(61,172,125)	(33,971,597)	(3,599,081)	(30,388)	(14,492,263)	(9,040,982)	(33,374)	(4,440)	0	0	0
	DIST_SUBS	(37,073,391)	(23,728,525)	(2,219,113)	(8,747)	(7,116,226)	(3,544,808)	(228,055)	(1,288)	(155,245)	(49,338)	(22,047)
	DIST_PRIMARY	98,662,377	65,279,464	6,158,297	24,063	19,825,189	6,120,941	627,400	3,543	427,093	135,734	60,653
	DIST_L_XFMR	(37,487,567)	(25,346,877)	(2,377,930)	(9,343)	(7,606,625)	(1,685,919)	(240,961)	(1,376)	(165,833)	(52,703)	0
	DIST_SEC_SERV	(12,381,015)	15,665,116	1,463,403	5,774	3,555,079	0	52,649	850	(18,290,995)	(14,832,891)	0
	CUSTOMER	315,843,830	268,863,779	35,858,473	1,346,672	8,900,549	90,386	187,013	190,191	0	389,523	17,243
	Total	474,372,715	330,222,609	43,936,038	1,558,958	72,345,501	54,231,364	703,254	222,637	(15,392,898)	(13,522,325)	67,577

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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE												
OPERATING RESERVES: OR LABOR RELATED												
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)	
PROD_ENERGY	(16,792,073)	(7,257,067)	(849,528)	(13,766)	(4,859,746)	(3,637,068)	(18,670)	(2,070)	(116,609)	(37,059)	(490)	
TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	(608)	
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(975)	
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)	
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0	
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0	
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)	
Total	(53,352,760)	(29,264,593)	(3,440,000)	(71,844)	(11,947,014)	(7,803,519)	(64,286)	(9,580)	(284,297)	(464,556)	(3,071)	
OR COAL MINES & ENERGY RELATED												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)	
BOOK OPERATING RESERVES												
PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)	
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)	
TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	(608)	
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(975)	
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)	
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0	
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0	
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)	
Total	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	
TOTAL OPERATING RESERVES												
PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)	
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)	
TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	(608)	
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(975)	
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)	
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0	
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0	
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)	
Total	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)	
WORKING CAPITAL:												
MATERIALS AND SUPPLIES:												
WC MAT & SUP PLUS STORES EXP												
PROD_DEMAND	278,664,554	137,617,400	15,314,233	189,147	74,735,740	49,140,584	240,002	28,171	1,058,447	336,384	4,446	
PROD_ENERGY	1,328,236	574,027	67,197	1,089	384,401	287,688	1,477	164	9,224	2,931	39	
TRANSMISSION	42,538,588	23,971,161	2,539,596	21,443	10,226,083	5,753,623	23,549	3,133	0	0	0	
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	12,890	
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	13,285	
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0	
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0	
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	4,510	
Total	494,677,061	279,956,258	31,767,760	584,549	102,174,486	59,381,014	741,235	69,496	10,838,125	9,128,968	35,170	

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
WC EMISSION ALLOWANCES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40	40
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40	40
WC FUEL INVENTORY												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922	3,922
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922	3,922
WC EMISSION ALLOWANCE PROCEEDS - REPS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927	19,927
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927	19,927
BOOK MATERIALS & SUPPLIES												
PROD_DEMAND	278,664,554	137,617,400	15,314,233	189,147	74,735,740	49,140,584	240,002	28,171	1,058,447	336,384	4,446	4,446
PROD_ENERGY	257,589,699	99,611,604	61,958,520	2,349,724	56,149,454	30,240,568	327,318	232,144	5,929,430	767,009	23,928	23,928
TRANSMISSION	42,538,588	23,971,161	2,539,596	21,443	10,226,083	5,753,623	23,549	3,133	0	0	0	0
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	12,890	12,890
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	13,285	13,285
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0	0
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0	0
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	4,510	4,510
Total	750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059	59,059
MATERIAL & SUPPLIES ADJUSTMENTS:												
ADJWC REPS Inventory												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)	(19,927)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)	(19,927)

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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIWC M&S Inventory - JAAR												
PROD_DEMAND	(36,622,206)	(18,085,733)	(2,012,603)	(24,858)	(9,821,800)	(6,458,075)	(31,541)	(3,702)	(139,101)	(44,208)	(584)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(36,622,206)	(18,085,733)	(2,012,603)	(24,858)	(9,821,800)	(6,458,075)	(31,541)	(3,702)	(139,101)	(44,208)	(584)	
ADIWC FUEL INVENTORY												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281	
ADIWC RETIRED PLANT INVENTORY												
PROD_DEMAND	(3,914,277)	(1,933,051)	(215,112)	(2,657)	(1,049,780)	(690,256)	(3,371)	(396)	(14,868)	(4,725)	(62)	
PROD_ENERGY	(18,657)	(8,063)	(944)	(15)	(5,400)	(4,041)	(21)	(2)	(130)	(41)	(1)	
TRANSMISSION	(597,521)	(336,712)	(35,673)	(301)	(143,641)	(80,819)	(331)	(44)	0	0	0	
DIST_SUBS	(304,472)	(194,875)	(18,225)	(72)	(58,443)	(29,112)	(1,873)	(11)	(1,275)	(405)	(181)	
DIST_PRIMARY	(299,691)	(200,845)	(18,849)	(74)	(60,452)	(15,611)	(1,930)	(11)	(1,314)	(418)	(187)	
DIST_L_XFMR	(273,691)	(185,054)	(17,361)	(68)	(55,535)	(12,309)	(1,759)	(10)	(1,211)	(385)	0	
DIST_SEC_SERV	(354,646)	(75,453)	(7,049)	(28)	(17,123)	0	(254)	(4)	(133,442)	(121,294)	0	
CUSTOMER	(1,185,555)	(998,369)	(133,015)	(4,996)	(44,826)	(1,951)	(873)	(499)	(0)	(963)	(63)	
Total	(6,948,509)	(3,932,421)	(446,228)	(8,211)	(1,435,200)	(834,099)	(10,412)	(976)	(152,238)	(128,231)	(494)	
ADIWC ASHEVILLE CC INVENTORY												
PROD_DEMAND	2,088,103	1,031,202	114,753	1,417	560,014	368,223	1,798	211	7,931	2,521	33	
PROD_ENERGY	9,953	4,301	504	8	2,880	2,156	11	1	69	22	0	
TRANSMISSION	318,752	179,622	19,030	161	76,627	43,113	176	23	0	0	0	
DIST_SUBS	162,423	103,957	9,722	38	31,177	15,530	999	6	680	216	97	
DIST_PRIMARY	159,873	107,143	10,055	39	32,248	8,328	1,030	6	701	223	100	
DIST_L_XFMR	146,003	98,718	9,261	36	29,626	6,566	938	5	646	205	0	
DIST_SEC_SERV	189,189	40,251	3,760	15	9,135	0	135	2	71,185	64,705	0	
CUSTOMER	632,444	532,588	70,958	2,665	23,913	1,041	466	266	0	513	34	
Total	3,706,739	2,097,782	238,044	4,380	765,619	444,957	5,554	521	81,213	68,406	264	
TOT MATERIALS & SUPP ADJUSTS												
PROD_DEMAND	(38,448,380)	(18,987,582)	(2,112,961)	(26,097)	(10,311,567)	(6,780,108)	(33,114)	(3,887)	(146,038)	(46,412)	(613)	
PROD_ENERGY	(110,796,061)	(36,171,475)	(54,532,083)	(2,229,383)	(13,666,329)	1,554,103	(164,110)	(214,044)	(4,910,053)	(443,041)	(19,646)	
TRANSMISSION	(278,768)	(157,090)	(16,643)	(141)	(67,015)	(37,705)	(154)	(121)	0	0	0	
DIST_SUBS	(142,049)	(90,917)	(8,503)	(34)	(27,266)	(13,582)	(874)	(5)	(595)	(189)	(84)	
DIST_PRIMARY	(139,818)	(93,703)	(8,794)	(35)	(28,203)	(7,283)	(901)	(5)	(613)	(195)	(87)	
DIST_L_XFMR	(127,688)	(86,335)	(8,100)	(32)	(25,909)	(5,742)	(821)	(5)	(565)	(180)	0	
DIST_SEC_SERV	(165,457)	(35,202)	(3,288)	(13)	(7,989)	0	(118)	(2)	(62,256)	(56,589)	0	
CUSTOMER	(553,111)	(465,781)	(62,057)	(2,331)	(20,913)	(910)	(407)	(233)	(0)	(449)	(30)	
Total	(150,651,332)	(56,088,086)	(56,752,429)	(2,258,064)	(24,155,191)	(5,291,228)	(200,499)	(218,201)	(5,120,119)	(547,055)	(20,460)	

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ADI MATERIALS & SUPPLIES	PROD_DEMAND	240,216,174	118,629,818	13,201,272	163,050	64,424,173	42,360,476	206,888	24,284	912,409	289,972	3,832		
	PROD_ENERGY	146,793,638	63,440,129	7,426,437	120,342	42,483,126	31,794,672	163,208	18,099	1,019,377	323,968	4,282		
	TRANSMISSION	42,259,819	23,814,070	2,522,954	21,302	10,159,068	5,715,918	23,395	3,112	0	0	0		
	DIST_SUBS	21,533,833	13,782,556	1,288,957	5,080	4,133,413	2,058,978	132,464	748	90,173	28,658	12,806		
	DIST_PRIMARY	21,195,731	14,204,846	1,333,113	5,236	4,275,455	1,104,118	136,523	771	92,936	29,536	13,198		
	DIST_L_XFMR	19,356,881	13,087,979	1,227,855	4,824	3,927,716	870,532	124,422	710	85,629	27,214	0		
	DIST_SEC_SERV	25,082,438	5,336,414	498,517	1,967	1,211,059	0	17,935	290	9,437,689	8,578,567	0		
	CUSTOMER	83,848,677	70,609,937	9,407,550	353,319	3,170,340	137,972	61,743	35,261	0	68,077	4,480		
	Total	600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598		

CASH WORKING CAPITAL:

WC DEFERRED DEBITS	PROD_DEMAND	2,613,502	1,290,668	143,627	1,774	700,922	460,873	2,251	264	9,927	3,155	42																
	PROD_ENERGY	15,973	6,903	808	13	4,623	3,460	18	2	111	35	0																
	TRANSMISSION	491,920	276,231	29,265	247	117,840	68,030	271	36	0	0	0																
	DIST_SUBS	193,191	123,650	11,564	46	37,083	18,472	1,188	7	809	257	115																
	DIST_PRIMARY	190,299	127,532	11,969	47	38,386	9,915	1,226	7	834	265	118																
	DIST_L_XFMR	173,486	117,301	11,005	43	35,202	7,802	1,115	6	767	244	0																
	DIST_SEC_SERV	224,955	47,894	4,474	18	10,869	0	161	3	84,578	76,958	0																
	CUSTOMER	755,532	636,264	84,771	3,184	28,544	1,240	556	318	0	615	40																
	Total	4,658,858	2,626,443	297,483	5,371	973,468	569,792	6,786	643	97,027	81,529	316																

WC PRELIMINARY SURVEY CHARGES	PROD_DEMAND	4,991,249	2,464,909	274,298	3,388	1,338,616	880,173	4,299	505	18,958	6,025	80																
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0																
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0																
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0																
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0																
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0																
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0																
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0																
	Total	4,991,249	2,464,909	274,298	3,388	1,338,616	880,173	4,299	505	18,958	6,025	80																

WC UNAMORTIZED DEBT EXPENSE	PROD_DEMAND	16,107,567	7,954,659	885,204	10,933	4,319,928	2,840,459	13,873	1,628	61,181	19,444	257																
	PROD_ENERGY	98,443	42,545	4,980	81	28,490	21,322	109	12	684	217	3																
	TRANSMISSION	3,031,808	1,702,468	180,366	1,523	726,272	419,284	1,673	222	0	0	0																
	DIST_SUBS	1,190,678	762,084	71,271	281	228,550	113,848	7,324	41	4,986	1,585	708																
	DIST_PRIMARY	1,172,851	786,006	73,766	290	236,578	61,107	7,554	43	5,142	1,634	730																
	DIST_L_XFMR	1,069,234	722,953	67,824	266	216,959	48,086	6,873	39	4,730	1,503	0																
	DIST_SEC_SERV	1,386,446	295,182	27,575	109	66,989	0	992	16	521,274	474,308	0																
	CUSTOMER	4,656,505	3,921,431	522,465	19,622	175,920	7,642	3,428	1,961	0	3,787	249																
	Total	28,713,534	16,187,328	1,833,452	33,105	5,999,688	3,511,748	41,826	3,963	597,997	502,479	1,947																

WC UNAMORTIZED LOSS ON REACQ DEBT	PROD_DEMAND	1,709,677	844,317	93,957	1,160	458,523	301,490	1,472	173	6,494	2,064	27																
	PROD_ENERGY	10,449	4,516	529	9	3,024	2,263	12	1	73	23	0																
	TRANSMISSION	321,800	180,702	19,144	162	77,087	44,503	178	24	0	0	0																
	DIST_SUBS	126,380	80,889	7,565	30	24,259	12,084	777	4	529	168	75																
	DIST_PRIMARY	124,488	83,428	7,830	31	25,111	6,486	802	5	546	173	78																
	DIST_L_XFMR	113,490	76,735	7,199	28	23,028	5,104	729	4	502	160	0																
	DIST_SEC_SERV	147,159	31,331	2,927	12	7,110	0	105	2	55,329	50,344	0																
	CUSTOMER	494,247	416,226	55,455	2,083	18,672	811	364	208	0	402	26																
	Total	3,047,690	1,718,143	194,605	3,514	636,814	372,741	4,439	421	63,472	53,334	207																

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE												
WC CUSTOMER DEPOSITS - FUNCTIONALIZED												
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total			
	(34,807,521)	(42,184,526)	(4,557,895)	(2,452,505)	(4,275,387)	(1,901,779)	(1,573,699)	(24,834,846)	(116,588,158)			
	(29,712,573)	(35,598,242)	(3,914,353)	(2,150,894)	(3,758,846)	(1,664,564)	(1,290,187)	(21,249,211)	(99,338,867)			
	(3,802,768)	(4,736,682)	(492,319)	(235,671)	(408,305)	(184,993)	(139,463)	(3,250,246)	(13,250,447)			
	(88,564)	(167,036)	(6,470)	(1,559)	(2,916)	(1,138)	(994)	(228,934)	(497,610)			
	(1,160,228)	(1,615,730)	(141,527)	(55,255)	(90,906)	(44,888)	(24,505)	(72,990)	(3,206,028)			
	(9,275)	(12,051)	(884)	(304)	(385)	(160)	0	(39)	(23,097)			
	(15,056)	(24,052)	(1,377)	(6,863)	(10,927)	(5,623)	(1,325)	(5,226)	(70,449)			
	(12,974)	(23,787)	(966)	(231)	(425)	(171)	(145)	(25,872)	(64,571)			
	(0)	(0)	0	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	0	0	0	0	0	0	(0)			
	(0)	(0)	0	0	0	0	0	0	(0)			
	(12,300)	(12,651)	(3,909)	(4,703)	(4,851)	(4,462)	(491,700)	(0)	(0)			
	(3,909)	(4,021)	(1,797)	(1,495)	(1,542)	(1,418)	(447,399)	(1,170,403)	(130,632)			
	(1,747)	(1,797)	(0)	(668)	(689)	0	0	(898)	(6,457)			
	(1,408)	(2,273)	(1,408)	(2,273)	(2,273)	0	0	0	0			
	0	(242)	(242)	(242)	(242)	0	0	(117,080)	(1,432)			
	0	(117,080)	0	0	0	0	0	(898)	(6,457)			
	(0)	(1,432)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	(0)	(0)	(0)	(0)								



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE															
WC RATE CASE DEFERRAL ADJ		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
PROD_DEMAND	1,497,871	739,718	82,317	1,017	401,718	264,139	1,290	151	5,689	1,808	24				
	PROD_ENERGY	9,154	3,956	463	8	2,649	1,983	10	1	64	0				
	TRANSMISSION	281,933	158,316	16,773	142	67,537	38,990	156	21	0	0				
	DIST_SUBS	110,723	70,868	6,628	26	21,253	10,587	681	4	464	147				
	DIST_PRIMARY	109,066	73,092	6,860	27	22,000	5,682	702	4	478	152				
	DIST_L_XFMR	99,430	67,229	6,307	25	20,175	4,472	639	4	440	140				
	DIST_SEC_SERV	128,928	27,450	2,564	10	6,229	0	92	1	48,474	44,107				
	CUSTOMER	433,017	364,661	48,585	1,825	16,359	711	319	182	0	352	23			
Total	2,670,122	1,505,288	170,496	3,078	557,922	326,564	3,889	369	55,609	46,726	181				
TOT CASH WORK CAPITAL ADJUSTS	PROD_DEMAND	(13,695,860)	(6,763,647)	(752,667)	(9,296)	(3,673,127)	(2,415,171)	(11,796)	(1,385)	(52,021)	(16,533)	(219)			
	PROD_ENERGY	(83,704)	(36,175)	(4,235)	(69)	(24,225)	(18,130)	(93)	(10)	(581)	(185)	(2)			
	TRANSMISSION	(2,577,870)	(1,447,566)	(153,361)	(1,295)	(617,531)	(356,507)	(1,422)	(189)	0	0				
	DIST_SUBS	(1,012,404)	(647,981)	(60,600)	(239)	(194,331)	(96,802)	(6,228)	(35)	(4,239)	(1,347)	(602)			
	DIST_PRIMARY	(997,246)	(668,321)	(62,722)	(246)	(201,157)	(51,958)	(6,423)	(36)	(4,373)	(1,390)	(621)			
	DIST_L_XFMR	(909,143)	(614,709)	(57,669)	(227)	(184,475)	(40,887)	(5,844)	(33)	(4,022)	(1,278)	0			
	DIST_SEC_SERV	(1,178,860)	(250,986)	(23,447)	(93)	(56,959)	0	(844)	(14)	(443,226)	(403,293)	0			
	CUSTOMER	(3,959,309)	(3,334,294)	(444,239)	(16,684)	(149,581)	(6,498)	(2,915)	(1,667)	(0)	(3,220)	(212)			
Total	(24,414,396)	(13,763,678)	(1,558,938)	(28,148)	(5,101,384)	(2,985,951)	(35,564)	(3,370)	(508,462)	(427,245)	(1,656)				
TOT ADJUSTED WORKING CAPITAL	PROD_DEMAND	307,625,513	139,396,642	15,015,913	143,867	90,677,739	60,376,444	279,867	21,644	1,300,657	407,879	4,860			
	PROD_ENERGY	105,203,319	28,098,687	2,719,816	(46,207)	41,039,363	31,911,322	139,817	(5,614)	1,023,504	319,608	3,024			
	TRANSMISSION	56,001,982	30,175,851	3,119,328	24,025	14,401,333	8,245,842	32,114	3,489	0	0				
	DIST_SUBS	23,330,877	14,351,552	1,307,653	4,525	4,893,857	2,464,999	151,742	665	107,968	33,992	13,925			
	DIST_PRIMARY	21,114,536	13,256,717	1,188,596	3,356	5,030,560	1,322,362	152,609	498	111,325	34,976	13,536			
	DIST_L_XFMR	21,260,983	13,996,727	1,284,279	4,635	4,655,082	1,041,533	143,262	679	102,465	32,322	0			
	DIST_SEC_SERV	28,452,728	5,100,824	457,572	1,362	1,425,886	0	20,154	202	11,292,708	10,154,020	0			
	CUSTOMER	75,825,755	63,520,002	8,043,808	195,236	3,731,136	165,328	68,882	16,497	0	80,383	4,484			
Total	638,815,694	307,897,002	33,136,964	330,798	165,854,958	105,527,830	988,446	38,059	13,938,627	11,063,181	39,829				

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Current Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SMP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR

PRODUCTION LABOR:

LAB01 LABOR-PROD DEMAND REL  
LAB02 LABOR-PROD ENERGY REL

TOTAL PRODUCTION LABOR

PROD_DEMAND	131,428,149	64,905,277	7,222,739	89,209	35,248,042	23,176,453	113,193	13,286	499,201	158,651	2,097
PROD_ENERGY	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055
TRANSMISSION	131,428,149	64,905,277	7,222,739	89,209	35,248,042	23,176,453	113,193	13,286	499,201	158,651	2,097
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	236,152,791	110,164,356	12,520,863	175,062	65,556,100	45,859,218	229,628	26,199	1,226,439	389,774	5,151

TRANSMISSION LABOR:

LAB04 LABOR-TRANS PROD REL  
LAB05 LABOR-TRANS PST REL

TOTAL TRANSMISSION LABOR

PROD_DEMAND	858,948	424,188	47,204	583	230,363	151,470	740	87	3,263	1,037	14
PROD_ENERGY	10,534,961	5,988,614	634,457	5,357	2,554,739	1,345,129	5,883	783	0	0	0
TRANSMISSION	858,948	424,188	47,204	583	230,363	151,470	740	87	3,263	1,037	14
DIST_SUBS	10,534,961	5,988,614	634,457	5,357	2,554,739	1,345,129	5,883	783	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	11,393,909	6,412,802	681,661	5,940	2,785,102	1,496,599	6,623	869	3,263	1,037	14

DISTRIBUTION LABOR:

LAB442 LABOR-SUPERVISION&ENGINEERING

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	49,551	31,715	2,966	12	9,511	4,738	305	2	207	66	29
DIST_PRIMARY	48,669	32,618	3,061	12	9,817	2,534	313	2	213	68	30
DIST_L_XFMR	44,669	30,203	2,833	11	9,064	2,009	287	2	198	63	0
DIST_SEC_SERV	57,770	12,266	1,146	5	2,784	0	41	1	21,784	19,743	0
CUSTOMER	190,531	160,433	21,375	803	7,221	316	140	80	0	154	10
Total	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70

LAB12 LOAD DISPATCH

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278

LAB13 LABOR-SUBSTATION

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SMP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR	LAB20 LABOR-OVERHEAD LINE															
	NC RETAIL	NC RES	NC SGS	NC SSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL					
LAB20 LABOR-OVERHEAD LINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	7,595,963	5,044,259	475,155	1,859	1,528,001	449,756	48,480	33,002	10,488	4,687	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	1,875,144	1,406,957	131,435	519	319,298	4,729	9,205	2,925	26,845	1,061	0	0	0	0	0
	CUSTOMER	23,941,193	20,414,309	2,722,823	102,260	644,545	3,209	12,873	13,269	0	0	0	0	0	0	0
	Total	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	42,207	40,259	5,747	0	0	0	0	0
LAB25 LABOR-UNDERGROUND LINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	1,211,487	819,006	76,594	302	245,016	54,830	7,871	5,358	1,703	761	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	509,646	382,397	35,723	141	86,782	0	1,285	2,502	795	0	0	0	0	0	0
	CUSTOMER	1,986,674	1,694,648	226,022	8,489	52,880	231	998	1,102	2,228	76	0	0	0	0	0
	Total	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	7,860	4,727	837	0	0	0	0	0
LAB26 LABOR-LINE TRANSFORMR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	399,304	269,986	25,329	100	81,023	17,958	2,567	1,766	561	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	192,473	164,016	21,877	822	5,291	30	115	0	216	1	0	0	0	0	0
	Total	591,777	434,001	47,206	921	86,314	17,987	2,682	1,766	777	1	0	0	0	0	0
LAB34 LABOR-METER	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	0	0	1,182	0	0	0	0	0
	Total	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	0	0	1,182	0	0	0	0	0
LAB35 LABOR-STREET LIGHT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	2,001,283	0	0	0	0	0	0	0	2,001,283	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2,001,283	0	0	0	0	0	0	0	2,001,283	0	0	0	0	0	0

**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

### Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR													
LAB361LABOR-CUST INSTALATNS													
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	3,747	0	3,747	185	185
Total	3,344,140	2,849,372	380,067	14,273	91,960	662	2,021	1,852	3,747	0	3,747	185	185
LAB39 LABOR-RENTS													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
LAB38 LABOR-MISCELLANEOUS													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	988,109	632,431	59,146	233	189,667	94,479	6,078	34	4,138	1,315	588	588	588
DIST_PRIMARY	970,534	650,450	61,043	240	195,771	50,530	6,251	35	4,256	1,352	604	604	604
DIST_L_XFMR	890,768	602,284	56,504	222	180,746	40,060	5,726	33	3,940	1,252	0	0	0
DIST_SEC_SERV	1,152,003	244,598	22,850	90	55,510	0	822	13	434,411	393,709	0	0	0
CUSTOMER	3,799,447	3,199,238	426,238	16,008	143,999	6,301	2,800	1,591	3,069	0	3,069	202	202
Total	7,800,861	5,329,002	625,781	16,793	765,693	191,370	21,678	1,706	446,745	400,698	1,394	1,394	1,394
TOTAL DISTRIBUTION LABOR													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	6,374,264	4,079,796	381,546	1,504	1,223,538	609,481	39,211	221	26,692	8,483	3,791	3,791	3,791
DIST_PRIMARY	9,826,653	6,546,333	615,854	2,413	1,978,606	557,651	62,917	355	42,830	13,612	6,082	6,082	6,082
DIST_L_XFMR	1,334,741	902,473	84,666	333	270,833	60,027	8,579	49	5,904	1,876	0	0	0
DIST_SEC_SERV	5,595,846	2,046,218	191,153	754	464,374	0	6,877	111	467,902	2,418,456	0	0	0
CUSTOMER	36,836,929	30,867,161	4,111,389	154,401	1,535,983	78,971	31,845	18,202	543,329	2,478,686	12,591	12,591	12,591
Total	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329	2,478,686	12,591	12,591	12,591
CUSTOMER ACCOUNTING LABOR													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,110	20,505	1,040	1,040	1,040	1,040
Total	18,773,415	15,996,388	2,133,700	80,129	516,309	3,830	11,344	10,110	20,505	1,040	1,040	1,040	1,040

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SMP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR	NC		NC		NC		NC		NC		NC		NC		NC		NC							
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
SALES LABOR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	246
Total		4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	4,444,534	3,786,963	505,129	18,970	122,219	880	2,686	2,462	0	4,980	246	246
CUST SERV & INFO LABOR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	111
Total		2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	111
LAB&G LABOR REL	PROD_DEMAND	37,967,132	18,749,919	2,086,514	25,771	10,182,499	6,695,243	32,699	3,838	144,210	45,831	606	37,967,132	18,749,919	2,086,514	25,771	10,182,499	6,695,243	32,699	3,838	144,210	45,831	606	606
	TRANSMISSION	3,023,592	1,718,765	182,093	1,537	733,224	386,059	1,689	225	0	0	0	3,023,592	1,718,765	182,093	1,537	733,224	386,059	1,689	225	0	0	0	0
	DIST_SUBS	1,829,449	1,170,924	109,506	432	351,162	174,925	11,254	64	7,661	2,435	1,088	1,829,449	1,170,924	109,506	432	351,162	174,925	11,254	64	7,661	2,435	1,088	1,088
	DIST_PRIMARY	2,820,304	1,878,834	176,754	693	567,871	160,049	18,057	102	12,292	3,907	1,746	2,820,304	1,878,834	176,754	693	567,871	160,049	18,057	102	12,292	3,907	1,746	1,746
	DIST_L_XFMR	383,078	259,015	24,300	95	77,731	17,228	2,462	14	1,695	539	0	383,078	259,015	24,300	95	77,731	17,228	2,462	14	1,695	539	0	0
	DIST_SEC_SERV	1,606,039	587,276	54,862	216	133,278	0	1,974	32	134,291	694,110	0	1,606,039	587,276	54,862	216	133,278	0	1,974	32	134,291	694,110	0	0
	CUSTOMER	17,811,298	15,027,089	2,002,724	75,211	639,915	24,131	13,514	9,168	0	18,365	1,181	17,811,298	15,027,089	2,002,724	75,211	639,915	24,131	13,514	9,168	0	18,365	1,181	1,181
Total		95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	5,497
TOTAL LABOR EXPENSE	PROD_DEMAND	170,254,229	84,079,385	9,356,457	115,562	45,660,905	30,023,166	146,633	17,212	646,674	205,519	2,716	170,254,229	84,079,385	9,356,457	115,562	45,660,905	30,023,166	146,633	17,212	646,674	205,519	2,716	2,716
	PROD_ENERGY	134,781,196	58,248,685	6,818,715	110,494	39,006,639	29,192,844	149,852	16,618	935,959	297,457	3,931	134,781,196	58,248,685	6,818,715	110,494	39,006,639	29,192,844	149,852	16,618	935,959	297,457	3,931	3,931
	TRANSMISSION	13,558,553	7,707,379	816,549	6,894	3,287,963	1,731,189	7,572	1,007	0	0	0	13,558,553	7,707,379	816,549	6,894	3,287,963	1,731,189	7,572	1,007	0	0	0	0
	DIST_SUBS	8,203,713	5,250,721	491,052	1,935	1,574,700	784,406	50,465	285	34,353	10,918	4,879	8,203,713	5,250,721	491,052	1,935	1,574,700	784,406	50,465	285	34,353	10,918	4,879	4,879
	DIST_PRIMARY	12,646,957	8,425,167	792,608	3,106	2,546,477	717,699	80,974	457	55,122	17,518	7,828	12,646,957	8,425,167	792,608	3,106	2,546,477	717,699	80,974	457	55,122	17,518	7,828	7,828
	DIST_L_XFMR	1,717,819	1,161,488	108,966	428	348,564	77,255	11,042	63	7,599	2,415	0	1,717,819	1,161,488	108,966	428	348,564	77,255	11,042	63	7,599	2,415	0	0
	DIST_SEC_SERV	7,201,885	2,633,494	246,016	971	597,651	0	8,851	143	602,193	3,112,566	0	7,201,885	2,633,494	246,016	971	597,651	0	8,851	143	602,193	3,112,566	0	0
CUSTOMER		79,870,369	67,385,272	8,980,721	337,266	2,869,539	108,210	60,600	41,111	0	82,354	5,296	79,870,369	67,385,272	8,980,721	337,266	2,869,539	108,210	60,600	41,111	0	82,354	5,296	5,296
Total		428,234,721	234,891,591	27,611,084	576,656	95,892,439	62,634,770	515,988	76,896	2,281,900	3,728,748	24,650	428,234,721	234,891,591	27,611,084	576,656	95,892,439	62,634,770	515,988	76,896	2,281,900	3,728,748	24,650	24,650

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
	RETAIL	RES	SGS	SG&CLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
TOTAL FUNCTIONALIZED REVENUES	PROD_DEMAND	1,279,721,788	615,801,202	71,309,540	762,180	366,236,002	216,531,347	1,250,678	114,624	6,266,904	1,427,417	21,894
	PROD_ENERGY	1,516,670,903	654,285,332	77,987,243	1,234,111	476,554,608	290,192,325	1,923,063	184,248	10,947,961	3,316,720	45,291
	TRANSMISSION	187,704,669	102,075,655	11,518,189	76,536	50,608,663	23,287,858	126,403	11,365	0	0	0
	DIST_SUBS	82,224,525	50,803,261	5,025,373	16,023	17,694,003	7,442,963	601,739	2,393	486,739	97,951	54,080
	DIST_PRIMARY	128,340,567	82,944,481	8,144,566	27,152	28,160,829	7,130,390	941,516	4,041	739,078	162,702	85,811
	DIST_L_XFMR	65,141,518	42,006,035	4,200,231	12,935	14,914,477	3,001,100	504,794	1,936	419,914	80,096	0
	DIST_SEC_SERV	122,109,732	28,081,204	2,747,334	9,129	7,274,331	0	112,387	1,360	50,403,324	33,480,663	0
	CUSTOMER	543,256,225	454,275,797	62,918,826	2,043,477	21,807,813	967,930	446,009	232,890	12,982	517,180	33,321
	Total	3,925,169,927	2,030,272,969	243,851,303	4,181,542	983,250,726	548,553,913	5,906,590	552,856	69,276,903	39,082,729	240,396
OPERATING EXPENSES:	PROD_DEMAND	273,322,535	134,974,496	15,008,781	185,485	73,344,147	48,171,530	235,828	27,670	1,039,789	330,439	4,369
	PROD_ENERGY	1,265,647,949	548,014,597	66,121,522	1,077,154	399,078,917	237,858,520	1,608,293	158,983	8,882,084	2,809,950	37,929
	TRANSMISSION	29,169,134	16,577,406	1,755,283	14,827	7,074,966	3,728,176	16,308	2,169	0	0	0
	DIST_SUBS	14,156,046	9,060,205	846,723	3,339	2,718,550	1,352,843	87,227	492	59,365	18,866	8,434
	DIST_PRIMARY	39,271,856	26,155,462	2,459,873	9,640	7,908,898	2,234,921	251,620	1,421	171,265	54,428	24,327
	DIST_L_XFMR	4,279,499	2,893,434	271,317	1,066	868,628	192,385	27,539	157	18,950	6,022	0
	DIST_SEC_SERV	26,783,401	8,112,095	757,517	2,990	1,841,481	0	27,290	441	6,221,902	9,819,684	0
	CUSTOMER	211,622,890	178,412,258	23,754,441	889,397	7,550,796	477,517	150,968	107,792	12,982	253,777	12,961
	Total	1,864,253,310	924,199,953	110,975,457	2,183,900	500,386,383	294,015,891	2,405,075	299,125	16,406,338	13,293,168	88,020
ADJ DEPRECIATION EXPENSE	PROD_DEMAND	456,830,959	225,604,183	25,105,510	310,080	122,518,631	80,559,009	393,449	46,182	1,735,173	551,454	7,288
	PROD_ENERGY	4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	9,773	129
	TRANSMISSION	44,314,246	25,153,302	2,664,837	22,500	10,730,384	5,715,225	24,711	3,287	0	0	0
	DIST_SUBS	24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	14,392
	DIST_PRIMARY	24,158,019	16,187,542	1,519,284	5,967	4,872,755	1,261,408	155,578	879	105,908	33,658	15,040
	DIST_L_XFMR	21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	139,032	794	95,684	30,409	0
	DIST_SEC_SERV	28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	0
	CUSTOMER	97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	80,025	5,218
	Total	701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068
ADJ OTHER AMORTIZATIONS	PROD_DEMAND	56,384,950	27,845,487	3,098,680	38,272	15,122,020	9,943,099	48,562	5,700	214,166	68,064	900
	PROD_ENERGY	153,353,682	66,275,197	7,758,316	125,720	44,381,649	33,215,540	170,501	18,908	1,064,932	338,445	4,473
	TRANSMISSION	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0
	DIST_SUBS	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	DIST_PRIMARY	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	49,840	15,840	7,078
	DIST_L_XFMR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0
	DIST_SEC_SERV	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	13,902	4,418	0
	CUSTOMER	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	13,902	40,542	1,734
	Total	263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	14,184
OTHER TAXES	PROD_DEMAND	52,950,955	26,149,622	2,909,962	35,941	14,201,048	9,337,538	45,604	5,353	201,123	63,919	845
	PROD_ENERGY	8,104,213	3,502,415	410,000	6,644	2,345,417	1,755,327	9,010	999	56,278	17,886	236
	TRANSMISSION	8,994,154	5,101,562	540,479	4,563	2,176,323	1,165,549	5,012	667	0	0	0
	DIST_SUBS	3,881,731	2,484,470	232,350	916	745,097	371,155	23,878	135	16,255	5,166	2,308
	DIST_PRIMARY	4,088,625	2,737,135	256,990	1,009	824,461	216,433	26,307	149	17,908	5,691	2,543
	DIST_L_XFMR	3,157,935	2,135,209	200,316	787	640,779	142,021	20,298	116	13,970	4,440	0
	DIST_SEC_SERV	4,383,522	997,130	93,150	368	226,291	0	3,351	54	1,525,903	1,537,274	0
	CUSTOMER	17,952,740	15,125,864	2,015,427	75,692	669,675	28,137	13,320	7,994	0	15,611	1,020
	Total	103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952



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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
INCOME TAX												
PROD_DEMAND	77,027,970	34,789,935	4,450,025	29,357	25,596,050	11,383,023	100,207	4,787	603,916	69,068	1,602	
PROD_ENERGY	14,883,797	5,977,691	613,682	3,199	5,335,159	2,725,158	24,772	775	179,392	23,493	476	
TRANSMISSION	17,847,770	9,238,043	1,124,656	5,039	5,433,466	2,030,823	14,937	806	0	0	0	
DIST_SUBS	7,010,821	4,110,543	441,302	924	1,754,098	565,614	64,956	149	60,807	6,967	5,460	
DIST_PRIMARY	8,690,055	5,230,695	563,764	1,179	2,240,952	477,456	82,638	190	77,369	8,866	6,945	
DIST_L_XFMR	6,352,748	3,865,546	416,362	868	1,649,848	295,827	60,425	140	57,181	6,551	0	
DIST_SEC_SERV	11,078,237	1,866,463	200,108	421	615,209	0	10,312	68	6,301,014	2,084,643	0	
CUSTOMER	31,277,576	25,543,380	3,901,109	78,190	1,635,493	50,842	36,009	8,968	0	21,249	2,337	
Total	174,168,974	90,622,296	11,711,008	119,177	44,260,275	17,528,744	394,257	15,882	7,279,680	2,220,837	16,819	
ADJ INVESTMENT TAX CREDITS												
PROD_DEMAND	(1,542,806)	(761,909)	(84,786)	(1,047)	(413,769)	(272,063)	(1,329)	(156)	(5,860)	(1,862)	(25)	
PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)	
TRANSMISSION	(159,597)	(89,937)	(9,528)	(80)	(38,367)	(21,585)	(88)	(12)	0	0	0	
DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)	
DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(2)	(217)	(69)	(31)	
DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0	
DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0	
CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(0)	(162)	(11)	
Total	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)	
TOTAL ADJ OPER EXPENSE												
PROD_DEMAND	914,974,563	448,601,814	50,488,172	598,089	250,368,127	159,122,136	822,322	89,536	3,788,307	1,081,081	14,979	
PROD_ENERGY	1,446,410,758	625,680,583	75,127,189	1,216,341	452,420,645	276,512,134	1,817,492	180,210	10,213,388	3,199,532	43,243	
TRANSMISSION	103,356,665	57,794,280	6,267,899	48,472	26,150,582	13,025,617	62,661	7,154	0	0	0	
DIST_SUBS	49,199,027	31,112,507	2,965,955	10,877	9,853,413	4,598,779	324,622	1,615	237,557	63,139	30,564	
DIST_PRIMARY	87,630,489	57,895,509	5,514,378	20,591	18,144,671	4,866,860	589,039	3,049	422,073	118,415	55,903	
DIST_L_XFMR	35,375,234	23,488,725	2,257,188	8,102	7,559,090	1,600,972	247,007	1,205	185,586	47,359	0	
DIST_SEC_SERV	73,214,214	19,142,399	1,813,692	6,789	4,536,354	0	68,401	1,006	24,581,915	23,063,659	0	
CUSTOMER	394,506,071	331,986,164	44,717,838	1,608,390	14,542,626	725,265	292,413	186,094	12,982	411,041	23,258	
Total	3,104,667,021	1,595,701,982	189,152,312	3,517,649	783,555,507	460,451,763	4,223,957	469,870	39,441,808	27,984,226	167,947	
ADJ RETURN BEFORE INT ADJUSTMENTS												
PROD_DEMAND	364,747,225	167,199,388	20,821,368	164,091	115,867,875	57,409,211	428,356	25,088	2,478,597	346,336	6,915	
PROD_ENERGY	70,260,145	28,604,749	2,860,054	17,770	24,133,963	13,680,191	105,571	4,037	734,573	117,188	2,048	
TRANSMISSION	84,348,004	44,281,376	5,250,290	28,064	24,458,081	10,262,241	63,742	4,211	0	0	0	
DIST_SUBS	33,025,498	19,690,754	2,059,418	5,146	7,840,590	2,844,184	277,117	778	249,183	34,812	23,516	
DIST_PRIMARY	40,710,078	25,048,972	2,630,188	6,561	10,016,159	2,263,530	352,477	992	317,005	44,287	29,908	
DIST_L_XFMR	29,766,284	18,517,310	1,943,044	4,834	7,375,386	1,400,128	257,788	731	234,327	32,737	0	
DIST_SEC_SERV	48,895,517	8,938,805	993,642	2,340	2,737,977	0	43,986	354	25,821,409	10,417,004	0	
CUSTOMER	148,750,154	122,289,633	18,200,988	435,087	7,265,187	242,665	153,596	46,795	0	106,139	10,062	
Total	820,502,905	434,570,987	54,698,991	663,893	199,695,218	88,102,150	1,682,633	82,986	29,835,095	11,098,503	72,449	
INTEREST ON CUST DEPOSITS - FUNCTIONALIZ PROD_DEMAND												
PROD_ENERGY	(2,502,621)	(2,132,821)	(274,862)	(6,482)	(85,381)	(678)	(1,051)	(958)	(0)	(347)	(41)	
TRANSMISSION	(2,469,540)	(2,081,611)	(274,768)	(9,478)	(99,642)	(759)	(1,501)	(1,399)	(0)	(303)	(78)	
DIST_SUBS	(398,110)	(342,296)	(43,054)	(625)	(11,866)	(74)	(103)	(91)	0	0	0	
DIST_PRIMARY	(199,813)	(175,319)	(19,282)	(135)	(4,403)	(24)	(504)	(20)	(0)	(24)	(102)	
DIST_L_XFMR	(319,266)	(280,523)	(30,657)	(224)	(6,837)	(28)	(774)	(33)	(0)	(30)	(158)	
DIST_SEC_SERV	(165,110)	(144,721)	(16,091)	(109)	(3,718)	(13)	(422)	(16)	(0)	(19)	0	
CUSTOMER	(117,943)	(97,230)	(10,575)	(77)	(1,851)	0	(94)	(11)	(0)	(8,104)	0	
Total	(1,798,587)	(1,537,154)	(236,628)	(16,889)	(5,493)	(4)	(368)	(1,886)	(0)	(104)	(62)	
Total	(7,970,989)	(6,791,676)	(905,917)	(34,021)	(219,192)	(1,579)	(4,816)	(4,415)	(0)	(8,931)	(441)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJ INCOME FOR RETURN	PROD_DEMAND	362,244,604	165,066,567	20,546,506	157,609	115,782,493	57,408,533	427,306	24,130	2,478,597	345,989	6,873
	PROD_ENERGY	67,790,605	26,523,138	2,585,286	8,292	24,034,321	13,679,433	104,071	2,638	734,573	116,885	1,969
	TRANSMISSION	83,949,895	43,939,080	5,207,236	27,439	24,446,215	10,262,167	63,638	4,119	0	0	0
	DIST_SUBS	32,825,684	19,515,435	2,040,136	5,010	7,836,187	2,844,160	276,613	758	249,183	34,789	23,415
	DIST_PRIMARY	40,390,813	24,768,448	2,599,531	6,336	10,009,322	2,263,502	351,702	959	317,005	44,258	29,750
	DIST_L_XFMR	29,601,174	18,372,589	1,926,952	4,725	7,371,668	1,400,115	257,366	715	234,327	32,717	0
	DIST_SEC_SERV	48,777,574	8,841,575	923,067	2,263	2,736,126	0	43,892	342	25,821,409	10,408,900	0
	CUSTOMER	146,951,567	120,752,479	17,964,361	418,198	7,259,694	242,661	153,228	44,909	0	106,035	10,001
	Total	812,531,916	427,779,310	53,793,074	629,872	199,476,026	88,100,571	1,677,817	78,571	29,835,095	11,089,572	72,007
ADJ PLANT IN SERVICE	PROD_DEMAND	10,151,657,459	5,013,356,332	557,892,444	6,890,574	2,722,598,258	1,790,175,214	8,743,186	1,026,262	38,558,861	12,254,368	161,961
	PROD_ENERGY	54,636,973	23,612,580	2,764,139	44,792	15,812,330	11,834,059	60,746	6,737	379,415	120,582	1,594
	TRANSMISSION	1,766,014,033	995,998,813	105,519,926	990,946	424,892,500	237,603,217	978,469	130,161	0	0	0
	DIST_SUBS	889,863,698	569,550,083	53,264,845	209,945	170,809,063	85,085,167	5,473,938	30,912	3,726,305	1,184,255	529,185
	DIST_PRIMARY	875,895,667	587,003,220	55,089,758	216,378	176,679,543	45,626,793	5,641,679	31,859	3,840,492	1,220,544	545,401
	DIST_L_XFMR	799,898,786	540,844,277	50,739,579	199,363	162,307,937	35,973,650	5,141,562	29,354	3,538,495	1,124,567	0
	DIST_SEC_SERV	1,036,504,244	220,522,360	20,600,747	81,288	50,045,871	0	741,152	11,969	390,000,434	354,500,423	0
	CUSTOMER	3,465,047,345	2,917,956,851	388,767,154	14,600,899	131,013,721	5,701,590	2,551,526	1,457,162	0	2,813,297	185,145
	Total	19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284
ADJ DEPRECIATION RESERVE	PROD_DEMAND	(4,526,610,698)	(2,235,448,989)	(248,763,506)	(3,072,498)	(1,214,002,979)	(798,236,771)	(3,898,575)	(457,609)	(17,193,345)	(5,464,207)	(72,218)
	PROD_ENERGY	(11,833,139)	(5,113,954)	(598,650)	(9,701)	(3,424,595)	(2,562,991)	(13,156)	(1,459)	(82,173)	(26,115)	(345)
	TRANSMISSION	(498,971,605)	(283,481,686)	(30,033,135)	(255,582)	(120,933,118)	(63,954,546)	(278,492)	(37,046)	0	0	0
	DIST_SUBS	(384,970,462)	(246,397,239)	(23,043,295)	(90,826)	(73,894,962)	(36,809,318)	(2,368,121)	(13,373)	(1,612,064)	(512,329)	(228,934)
	DIST_PRIMARY	(378,525,743)	(253,682,861)	(23,807,755)	(93,511)	(76,353,966)	(19,712,828)	(2,438,828)	(13,769)	(1,659,730)	(527,478)	(235,704)
	DIST_L_XFMR	(346,547,320)	(234,314,814)	(21,982,363)	(86,372)	(70,318,122)	(15,585,187)	(2,227,525)	(12,717)	(1,533,014)	(487,206)	0
	DIST_SEC_SERV	(448,616,610)	(95,349,010)	(8,907,309)	(35,147)	(21,638,732)	0	(320,458)	(5,175)	(168,984,072)	(153,376,706)	0
	CUSTOMER	(1,489,669,449)	(1,254,405,764)	(167,126,896)	(6,276,776)	(56,390,918)	(2,460,693)	(1,097,459)	(625,104)	(0)	(1,206,343)	(79,496)
	Total	(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,636,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)
ADJ NET PLANT IN SERV	PROD_DEMAND	5,625,046,761	2,777,907,343	309,128,937	3,818,076	1,508,595,278	991,938,443	4,844,611	568,653	21,365,516	6,790,162	89,743
	PROD_ENERGY	42,803,834	18,498,627	2,165,489	35,091	12,387,735	9,271,068	47,590	5,278	297,242	94,466	1,249
	TRANSMISSION	1,267,042,438	712,517,128	75,486,791	637,365	303,959,382	173,648,671	699,977	93,114	0	0	0
	DIST_SUBS	504,893,236	323,152,844	30,221,550	119,119	96,914,102	48,275,849	3,105,818	17,539	2,114,241	671,926	300,250
	DIST_PRIMARY	497,369,924	333,320,359	31,282,003	122,867	100,325,577	25,913,965	3,203,557	18,091	2,180,762	693,067	309,697
	DIST_L_XFMR	453,351,466	306,529,463	28,757,217	112,991	91,989,815	20,388,463	2,914,037	16,637	2,005,481	637,361	0
	DIST_SEC_SERV	587,887,634	125,173,350	11,693,438	46,141	28,407,139	0	420,694	6,794	221,016,362	201,123,717	0
	CUSTOMER	1,975,377,896	1,663,551,086	221,640,258	8,324,123	74,622,803	3,240,897	1,454,067	832,058	0	1,606,954	105,649
	Total	10,953,773,177	6,260,650,199	710,375,683	13,215,772	2,217,201,831	1,217,677,355	16,690,331	1,558,163	248,979,603	211,617,652	806,587
ADJ NUCLEAR FUEL INVENTORY	PROD_DEMAND	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)
	PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJ ACCUM DEFERRED INC TAX	PROD_DEMAND	(681,384,048)	(333,174,408)	(36,993,369)	(449,461)	(182,376,359)	(124,259,388)	(569,945)	(66,892)	(2,643,706)	(839,411)	(11,108)
	PROD_ENERGY	(105,316,964)	(38,060,289)	(15,459,645)	(544,377)	(26,631,926)	(22,352,233)	(115,517)	(55,363)	(1,772,206)	(318,174)	(7,233)
	TRANSMISSION	(144,101,159)	(80,926,705)	(8,573,685)	(72,391)	(34,523,284)	(19,915,015)	(79,502)	(10,576)	0	0	0
	DIST_SUBS	(54,629,656)	(34,965,271)	(3,269,984)	(12,889)	(10,486,146)	(5,223,467)	(336,051)	(1,898)	(228,762)	(72,703)	(32,487)
	DIST_PRIMARY	(86,076,165)	(57,488,405)	(5,402,725)	(4,21,191)	(17,344,761)	(4,714,374)	(552,520)	(3,120)	(376,120)	(119,533)	(53,414)
	DIST_L_XFMR	(48,982,265)	(33,118,912)	(3,107,067)	(12,208)	(9,939,020)	(2,202,867)	(314,847)	(1,798)	(216,682)	(68,864)	0
	DIST_SEC_SERV	(71,530,107)	(19,516,171)	(1,823,161)	(7,194)	(4,429,046)	0	(65,592)	(1,059)	(23,915,754)	(21,772,131)	0
	CUSTOMER	(315,830,264)	(267,045,863)	(35,591,956)	(1,336,719)	(10,827,411)	(364,965)	(212,366)	(146,628)	(0)	(288,383)	(15,973)
	Total	(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)
ADJ REGULATORY ASSETS	PROD_DEMAND	(428,417,649)	(211,572,380)	(23,544,034)	(290,794)	(114,898,395)	(75,548,516)	(368,978)	(43,310)	(1,627,251)	(517,156)	(6,835)
	PROD_ENERGY	636,398,255	275,033,630	32,196,024	521,721	184,178,193	137,840,262	707,559	78,467	4,419,333	1,404,506	18,563
	TRANSMISSION	(61,172,125)	(33,971,597)	(3,599,081)	(30,388)	(14,492,263)	(9,040,982)	(33,374)	(4,440)	0	0	0
	DIST_SUBS	(37,073,391)	(23,728,525)	(2,219,113)	(8,747)	(7,116,226)	(3,544,808)	(228,055)	(1,288)	(155,245)	(49,338)	(22,047)
	DIST_PRIMARY	98,662,377	65,279,464	6,158,297	24,063	19,825,189	6,120,941	627,400	3,543	427,093	135,734	60,653
	DIST_L_XFMR	(37,487,567)	(25,346,877)	(2,377,930)	(9,343)	(7,606,625)	(1,685,919)	(240,961)	(1,376)	(165,833)	(52,703)	0
	DIST_SEC_SERV	(12,381,015)	15,665,116	1,463,403	5,774	3,555,079	0	52,649	850	(18,290,995)	(14,832,891)	0
	CUSTOMER	315,843,830	268,863,779	35,858,473	1,346,672	8,900,549	90,386	187,013	190,191	0	389,523	17,243
	Total	474,372,715	330,222,609	43,936,038	1,558,958	72,345,501	54,231,364	703,254	222,637	(15,392,898)	(13,522,325)	67,577
TOTAL OPERATING RESERVES	PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)
	PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
	TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	0
	DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
	DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
	DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
	DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
	CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
	Total	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)
ADJ MATERIALS & SUPPLIES	PROD_DEMAND	240,216,174	118,629,818	13,201,272	163,050	64,424,173	42,360,476	206,888	24,284	912,409	289,972	3,832
	PROD_ENERGY	146,793,638	63,440,129	7,426,437	120,342	42,483,126	31,794,672	163,208	18,099	1,019,377	323,968	4,282
	TRANSMISSION	42,259,819	23,814,070	2,522,954	21,302	10,159,068	5,715,918	23,395	3,112	0	0	0
	DIST_SUBS	21,533,833	13,782,556	1,288,957	5,080	4,133,413	2,058,978	132,464	748	90,173	28,658	12,806
	DIST_PRIMARY	21,195,731	14,204,846	1,333,113	5,236	4,275,455	1,104,118	136,523	771	92,936	29,536	13,198
	DIST_L_XFMR	19,356,881	13,087,979	1,227,855	4,824	3,927,716	870,532	124,422	710	85,629	27,214	0
	DIST_SEC_SERV	25,082,438	5,336,414	498,517	1,967	1,211,059	0	17,935	290	9,437,689	8,578,567	0
	CUSTOMER	83,848,677	70,609,937	9,407,550	353,319	3,170,340	137,972	61,743	35,261	0	68,077	4,480
	Total	600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598
ADJ CASH WORK CAPITAL	PROD_DEMAND	107,352,438	39,896,843	3,891,000	2,908	37,359,395	25,375,950	108,619	539	546,790	168,701	1,692
	PROD_ENERGY	(35,271,563)	(30,079,762)	(3,975,941)	(137,937)	(1,211,629)	172,856	(21,003)	(20,359)	5,898	(2,563)	(1,123)
	TRANSMISSION	20,333,214	9,681,214	926,353	3,992	6,092,256	3,616,236	12,916	584	0	0	0
	DIST_SUBS	4,412,430	2,130,395	157,021	(250)	1,343,549	700,991	37,715	(36)	30,715	9,415	2,874
	DIST_PRIMARY	2,563,699	744,439	6,537	(1,496)	1,359,066	376,563	35,263	(217)	31,715	9,642	2,186
	DIST_L_XFMR	4,161,650	2,329,963	181,811	44	1,280,086	295,583	36,101	7	29,093	8,963	0
	DIST_SEC_SERV	6,811,648	397,374	15,301	(463)	385,854	0	4,736	(67)	3,205,821	2,803,092	0
	CUSTOMER	2,571,405	1,837,786	(220,659)	(125,333)	1,009,310	47,146	15,869	(15,396)	0	22,036	647
	Total	112,935,257	26,938,251	981,422	(258,536)	47,617,888	30,585,326	230,255	(34,946)	3,850,032	3,019,288	6,277

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS SUMMARY - ADJUSTED												
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJUSTED RATE BASE	PROD_DEMAND	4,814,536,430	2,367,845,687	263,030,691	3,211,010	1,300,156,499	851,353,603	4,179,616	478,393	18,370,386	5,833,991	76,554
	PROD_ENERGY	897,772,202	380,610,582	33,096,121	168,936	272,665,444	202,723,683	1,017,948	52,306	5,444,368	1,970,883	21,932
	TRANSMISSION	1,122,673,286	630,153,866	66,661,600	559,020	270,785,520	153,809,143	622,468	81,669	0	0	0
	DIST_SUBS	438,114,370	279,717,824	26,117,251	102,073	84,592,503	42,169,816	2,705,644	15,030	1,846,842	586,598	260,789
	DIST_PRIMARY	532,139,911	355,011,031	33,278,476	129,092	108,123,266	28,711,797	3,440,114	19,010	2,349,518	746,262	331,345
	DIST_L_XFMR	390,186,145	263,336,908	24,668,309	96,255	79,608,545	17,656,167	2,517,376	14,173	1,736,741	551,670	0
	DIST_SEC_SERV	534,973,332	126,727,982	11,816,847	46,105	29,055,624	0	429,320	6,789	191,378,097	175,512,567	0
	CUSTOMER	2,051,860,682	1,729,421,352	229,974,779	8,520,043	76,518,082	3,137,954	1,498,777	890,363	0	1,787,947	111,386
	Total	10,782,256,357	6,132,825,231	688,644,074	12,832,533	2,221,505,484	1,299,562,163	16,411,262	1,557,734	221,125,954	186,989,918	802,006
RATE OF RETURN	PROD_DEMAND	7.52%	6.97%	7.81%	4.91%	8.91%	6.74%	10.22%	5.04%	13.49%	5.93%	8.98%
	PROD_ENERGY	7.55%	6.97%	7.81%	4.91%	8.81%	6.75%	10.22%	5.04%	13.49%	5.93%	8.98%
	TRANSMISSION	7.48%	6.97%	7.81%	4.91%	9.03%	6.67%	10.22%	5.04%	N/A	N/A	N/A
	DIST_SUBS	7.49%	6.98%	7.81%	4.91%	9.26%	6.74%	10.22%	5.04%	13.49%	5.93%	8.98%
	DIST_PRIMARY	7.59%	6.98%	7.81%	4.91%	9.26%	7.88%	10.22%	5.04%	13.49%	5.93%	8.98%
	DIST_L_XFMR	7.59%	6.98%	7.81%	4.91%	9.26%	7.93%	10.22%	5.04%	13.49%	5.93%	N/A
	DIST_SEC_SERV	9.12%	6.98%	7.81%	4.91%	9.42%	N/A	10.22%	5.04%	13.49%	5.93%	N/A
	CUSTOMER	7.16%	6.98%	7.81%	4.91%	9.49%	7.73%	10.22%	5.04%	13.49%	5.93%	8.98%
Total	7.54%	6.98%	7.81%	4.91%	8.98%	6.78%	10.22%	5.04%	13.49%	5.93%	8.98%	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31, 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

UNIT DETAIL - REVENUES															
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
TOTAL FUNCTIONALIZED REVENUES	PROD_DEMAND	1,279,721,788	615,801,202	71,309,540	762,180	366,236,002	216,531,347	1,250,678	114,624	6,266,904	1,427,417	21,894			
	PROD_ENERGY	1,516,670,903	654,285,332	77,987,243	1,234,111	476,554,608	290,192,325	1,923,063	184,248	10,947,961	3,316,720	45,291			
	TRANSMISSION	187,704,669	102,075,655	11,518,189	76,536	50,608,663	23,287,858	126,403	11,365	0	0	0			
	DIST_SUBS	82,224,525	50,803,261	5,025,373	16,023	17,694,003	7,442,963	601,739	2,393	486,739	97,951	54,080			
	DIST_PRIMARY	128,340,567	82,944,481	8,144,566	27,152	28,160,829	7,130,390	941,516	4,041	739,078	162,702	85,811			
	DIST_L_XFMR	65,141,518	42,006,035	4,200,231	12,935	14,914,477	3,001,100	504,794	1,936	419,914	80,096	0			
	DIST_SEC_SERV	122,109,732	28,081,204	2,747,334	9,129	7,274,331	0	112,387	1,360	50,403,324	33,480,663	33,321			
	CUSTOMER	543,256,225	454,275,797	62,918,826	2,043,477	21,807,813	967,930	446,009	232,890	12,982	517,180	517,180	33,321		
	Total	3,925,169,927	2,030,272,969	243,851,303	4,181,542	983,250,726	548,553,913	5,906,590	552,856	69,276,903	39,082,729	39,082,729	240,396		
	TOTAL SALES OF ELECTRICITY														
	PROD_DEMAND	1,274,040,264	612,133,061	70,865,272	753,724	365,275,484	215,953,109	1,246,847	113,372	6,254,464	1,423,130	1,423,130	21,802		
PROD_ENERGY	1,504,432,932	651,788,223	77,158,763	1,204,066	475,997,376	285,776,244	1,919,688	180,876	8,836,029	1,526,645	1,526,645	45,023			
TRANSMISSION	180,427,822	97,830,341	11,061,897	72,432	48,926,601	22,403,331	122,456	10,765	0	0	0	0			
DIST_SUBS	81,133,329	50,059,247	4,953,017	15,680	17,517,191	7,356,973	595,724	2,343	482,974	96,732	96,732	53,448			
DIST_PRIMARY	124,193,174	80,107,502	7,874,804	25,990	27,385,149	6,952,127	916,097	3,870	722,282	122,078	122,078	83,273			
DIST_L_XFMR	64,172,801	41,319,238	4,133,382	12,629	14,746,550	2,964,661	499,182	1,891	416,330	78,938	78,938	0			
DIST_SEC_SERV	120,948,348	27,765,104	2,716,370	8,972	7,222,030	0	111,548	1,337	50,008,338	33,114,648	33,114,648	0			
CUSTOMER	524,609,755	438,482,543	60,782,299	1,955,546	21,303,435	959,778	435,019	222,216	12,982	423,601	423,601	32,336			
Total	3,873,958,425	1,999,485,259	239,545,803	4,049,039	978,373,817	542,366,222	5,846,562	536,670	66,733,400	36,785,773	36,785,773	235,881			
NON REQ'T SALES REVENUE															
PROD_DEMAND	4,765,270	2,353,310	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	5,752	76			
PROD_ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	287,021	3,793			
TRANSMISSION	44,493	25,292	2,680	23	10,790	5,681	25	3	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0			
Total	134,862,350	58,583,714	6,844,049	109,875	38,926,945	29,014,658	148,724	16,520	921,222	292,773	292,773	3,869			
FUNCT REQ'TS RATE SCHED REV															
PROD_DEMAND	1,269,274,994	609,779,751	70,603,393	750,490	363,997,475	215,112,786	1,242,743	112,890	6,236,364	1,417,378	1,417,378	21,726			
PROD_ENERGY	1,374,380,345	595,583,111	70,579,272	1,097,448	438,359,230	257,607,589	1,775,093	164,841	7,932,907	1,239,624	1,239,624	41,229			
TRANSMISSION	180,383,330	97,805,049	11,059,217	72,409	48,915,811	22,397,650	122,431	10,762	0	0	0	0			
DIST_SUBS	81,133,329	50,059,247	4,953,017	15,680	17,517,191	7,356,973	595,724	2,343	482,974	96,732	96,732	53,448			
DIST_PRIMARY	124,193,174	80,107,502	7,874,804	25,990	27,385,149	6,952,127	916,097	3,870	722,282	122,078	122,078	83,273			
DIST_L_XFMR	64,172,801	41,319,238	4,133,382	12,629	14,746,550	2,964,661	499,182	1,891	416,330	78,938	78,938	0			
DIST_SEC_SERV	120,948,348	27,765,104	2,716,370	8,972	7,222,030	0	111,548	1,337	50,008,338	33,114,648	33,114,648	0			
CUSTOMER	524,609,755	438,482,543	60,782,299	1,955,546	21,303,435	959,778	435,019	222,216	12,982	423,601	423,601	32,336			
Total	3,739,096,075	1,940,901,545	232,701,753	3,939,164	939,446,871	513,351,563	5,697,838	520,149	65,812,178	36,493,000	36,493,000	232,012			

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PRODUCTION O&M EXPENSE:												
FUEL & PURCHASED POWER:												
OM PROD ENERGY - FUEL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	863,120,481	373,016,671	43,666,128	707,588	249,793,221	186,947,013	959,633	106,421	5,993,757	1,904,872	25,176	0
OM NC REPS RECS EXPENSE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	18,521,748	6,203,372	8,461,905	344,090	2,530,610	81,860	26,887	33,102	765,447	71,409	3,065	0
OM DEFERRED FUEL EXPENSE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(273,901,174)	(117,993,594)	(13,812,717)	(223,826)	(79,145,719)	(59,880,137)	(304,968)	(33,663)	(1,895,961)	(602,554)	(8,035)	0
OM PROD PURCHASES - CAPACITY COST												
PROD_DEMAND	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062	0



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
OM PROD PURCHASES - ENERGY COST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	365,384,360	157,908,960	18,485,160	299,543	105,744,839	79,140,185	406,241	45,051	2,537,334	806,389	10,658	0
TOTAL FUEL, DEF. FUEL & PURCH POWER												
PROD_DEMAND	66,548,749	32,864,840	3,657,240	45,171	17,847,875	11,735,416	57,316	6,728	252,771	80,333	1,062	0
PROD_ENERGY	973,125,414	419,135,410	56,800,476	1,127,395	278,922,952	206,288,921	1,087,793	150,911	7,400,578	2,180,116	30,863	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,039,674,164	452,000,250	60,457,716	1,172,566	296,770,826	218,024,337	1,145,108	157,639	7,653,349	2,260,449	31,925	0
OM PROD FIXED O&M												
PROD_DEMAND	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	191,508,031	94,575,492	10,524,477	129,989	51,361,015	33,771,129	164,938	19,360	727,402	231,175	3,055	0
ENERGY RELATED:												
OM PROD VARIABLE O&M												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	278,999,793	120,575,953	14,114,878	228,725	80,744,529	60,429,777	310,197	34,400	1,937,455	615,741	8,138	0

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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE

TRANSMISSION O&M EXPENSE:  
OM TRANSMISSION EXP - TRANS

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0

OM TRANS EXP - OTH PROD RELATED

PROD_DEMAND	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	28
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	28

TOTAL TRANSMISSION O&M

PROD_DEMAND	1,728,581	853,653	94,996	1,173	463,592	304,823	1,489	175	6,566	2,087	28
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	20,613,525	11,717,787	1,241,427	10,482	4,998,801	2,631,984	11,512	1,531	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	22,342,106	12,571,440	1,336,423	11,655	5,462,394	2,936,808	13,000	1,706	6,566	2,087	28

DISTRIBUTION O&M EXPENSE:  
OM OVERHEAD LINES

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	25,128,992	16,687,436	1,571,911	6,151	5,054,939	1,487,885	160,383	906	109,178	34,698	15,505
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	6,203,359	4,654,500	434,814	1,716	1,056,303	0	15,643	253	30,452	9,678	0
CUSTOMER	79,202,344	67,534,693	9,007,652	338,296	2,132,285	10,617	42,586	43,898	88,809	3,509	0
Total	110,534,696	88,876,629	11,014,377	346,163	8,243,528	1,498,502	218,612	45,056	139,630	133,185	19,014

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
OM DISTRIBUTION RENTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	474,886	315,358	29,706	116	95,528	28,118	3,031	17	2,063	656	293
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	117,231	87,960	8,217	32	19,962	0	296	5	575	183	0
	CUSTOMER	1,496,760	1,276,266	170,226	6,393	40,296	201	805	830	0	1,678	66
	Total	2,088,877	1,679,584	208,149	6,542	155,786	28,319	4,131	851	2,639	2,517	359
	OM LOAD DISPATCH	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		4,059,655	2,598,350	243,000	958	779,250	388,168	24,973	141	17,000	5,403	2,414
OM DISTRIBUTION EXP - MISC & SUPERVISION		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	2,868,850	1,836,184	171,722	677	550,675	274,308	17,648	100	12,013	3,818	1,706
	DIST_PRIMARY	2,817,820	1,888,498	177,231	696	568,397	146,707	18,150	102	12,356	3,927	1,755
	DIST_L_XFMR	2,586,230	1,748,656	164,051	645	524,773	116,310	16,624	95	11,441	3,636	0
	DIST_SEC_SERV	3,344,695	710,159	66,342	262	161,165	0	2,387	39	1,261,257	1,143,085	0
	CUSTOMER	11,031,208	9,288,580	1,237,528	46,478	418,082	18,293	8,131	4,619	0	8,910	588
	Total	22,648,802	15,472,076	1,816,874	48,757	2,223,092	555,618	62,939	4,954	1,297,066	1,163,375	4,049
	OM CUSTOMER INSTALLATIONS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		4,525,221	0	0	0	0	0	0	0	4,525,221	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total	4,525,221	0	0	0	0	0	0	0	4,525,221	0	0	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
OM SUBSTATIONS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	3,309,356	2,118,126	198,089	781	635,230	316,427	20,357	115	13,858	4,404	1,968
	PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11
OM DISTRIBUTION EXP - DSM/EE	PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	3,159,243	1,972,697	229,785	3,762	892,666	48,111	4,818	566	5,098	1,718	21
	PROD_DEMAND	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11
	PROD_ENERGY	1,579,621	986,348	114,892	1,881	446,333	24,056	2,409	283	2,549	859	11
TOTAL DISTRIBUTION O&M	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	10,237,860	6,552,660	612,811	2,415	1,965,154	978,903	62,978	356	42,871	13,625	6,088
	DIST_PRIMARY	32,273,055	21,494,940	2,022,344	7,923	6,497,778	1,837,018	206,588	1,167	140,631	44,694	19,972
	DIST_L_XFMR	3,258,756	2,203,378	206,711	812	661,236	146,555	20,947	120	14,416	4,581	0
	DIST_SEC_SERV	22,974,727	6,668,273	622,936	2,458	1,513,314	0	22,411	362	5,825,459	8,319,514	0
	CUSTOMER	104,962,472	88,411,665	11,780,781	442,432	3,917,736	162,857	80,025	53,420	0	106,845	6,711
	Total	176,866,112	127,303,613	15,475,367	459,803	15,447,885	3,173,444	397,766	55,990	6,028,475	8,490,976	32,792



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
CUST. ACCOUNTING EXPENSE:																
OM METER READING																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	0	0	0	0	0	274
Total	4,934,790	4,210,018	561,559	21,089	136,367	2,137	2,986	361	0	0	0	0	0	0	0	274
OM CUST ACCT EXP - MISC																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	0	0	0	0	0	0	58
Total	1,050,615	895,176	119,404	4,484	28,891	208	635	582	0	0	0	0	0	0	0	58
OM UNCOLLECTIBLES																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	0	0	0	0	0	0	495
Total	8,937,301	7,615,021	1,015,740	38,145	245,765	1,771	5,400	4,950	0	0	0	0	0	0	0	495
OM CUSTOMER RECORDS, EXCL REPS																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	0	0	0	0	0	0	1,922
Total	34,697,611	29,564,077	3,943,444	148,093	954,141	6,874	20,966	19,217	0	0	0	0	0	0	0	1,922
TOTAL CUST ACCT EXPENSE																
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	0	0	0	0	0	0	2,749
Total	49,620,316	42,284,292	5,640,147	211,811	1,365,163	10,989	29,987	25,110	0	0	0	0	0	0	0	2,749

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
CUST. SERV & INFO EXPENSE:												
OM CUST SERV & INFO - CUST ASSIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
TOTAL CUST SERV & INFO EXP												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
Total	3,202,203	2,728,435	363,936	13,667	88,057	634	1,935	1,774	0	3,588	177	177
TOTAL SALES EXPENSE												
PROD_DEMAND	692	432	50	1	196	11	1	1	0	1	0	0
PROD_ENERGY	692	432	50	1	196	11	1	1	0	1	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	6,824,779	5,815,048	775,648	29,129	187,673	1,352	4,124	3,780	0	7,647	378	378
Total	6,826,163	5,815,913	775,749	29,130	188,064	1,373	4,126	3,780	2	7,648	378	378
A&G REGULATORY EXPENSE:												
OM REGULATORY FEE - NCRETAIL												
PROD_DEMAND	2,346,020	1,158,573	128,927	1,592	629,185	413,705	2,021	237	8,911	2,832	37	37
PROD_ENERGY	1,857,219	802,639	93,959	1,523	537,492	402,263	2,065	229	12,897	4,099	54	54
TRANSMISSION	186,830	106,204	11,252	95	45,307	23,855	104	14	0	0	0	0
DIST_SUBS	113,043	72,352	6,766	27	21,699	10,809	695	4	473	150	67	67
DIST_PRIMARY	174,269	116,095	10,922	43	35,089	9,890	1,116	6	760	241	108	108
DIST_L_XFMR	23,671	16,005	1,501	6	4,803	1,065	152	1	105	33	0	0
DIST_SEC_SERV	99,238	36,288	3,390	13	8,235	0	122	2	8,298	42,890	0	0
CUSTOMER	1,100,575	928,536	123,750	4,647	39,541	1,491	835	566	0	1,135	73	73
Total	5,900,866	3,236,692	380,467	7,946	1,321,351	863,077	7,110	1,060	31,443	51,380	340	340
OM REGULATORY EXPENSE-SECRETAIL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																	
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
OM REGULATORY EXPENSE-TRANS																	
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,121,111	637,297	67,518	570	271,870	143,146	626	83	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,121,111	637,297	67,518	570	271,870	143,146	626	83	0	0	0	0	0	0	0	0	0
TOTAL ADM & GEN REG EXPENSE																	
PROD_DEMAND	2,346,020	1,158,573	128,927	1,592	629,185	413,705	2,021	237	8,911	2,832	37						
PROD_ENERGY	1,857,219	802,639	93,959	1,523	537,492	402,263	2,065	229	12,897	4,099	54						
TRANSMISSION	1,307,941	743,501	78,769	665	317,177	167,001	730	97	0	0	0						
DIST_SUBS	113,043	72,352	6,766	27	21,699	10,809	695	4	473	150	67						
DIST_PRIMARY	174,269	116,095	10,922	43	35,089	9,890	1,116	6	760	241	108						
DIST_L_XFMR	23,671	16,005	1,501	6	4,803	1,065	152	1	105	33	0						
DIST_SEC_SERV	99,238	36,288	3,390	13	8,235	0	122	2	8,298	42,890	0						
CUSTOMER	1,100,575	928,536	123,750	4,647	39,541	1,491	835	566	0	1,135	73						
Total	7,021,977	3,873,989	447,985	8,516	1,593,222	1,006,223	7,736	1,143	31,443	51,380	340						
OTHER A&G EXPENSE:																	
OM A&G LABOR RELATED & MISC																	
PROD_DEMAND	94,131,380	46,486,414	5,173,065	63,893	25,245,329	16,599,424	81,071	9,516	357,538	113,629	1,502						
PROD_ENERGY	74,518,795	32,204,951	3,769,980	61,091	21,566,271	16,140,349	82,851	9,188	517,480	164,460	2,174						
TRANSMISSION	7,496,350	4,261,311	451,460	3,812	1,817,873	957,152	4,186	557	0	0	0						
DIST_SUBS	4,535,728	2,903,056	271,496	1,070	870,632	433,688	27,901	158	18,993	6,036	2,697						
DIST_PRIMARY	6,992,340	4,658,167	438,223	1,717	1,407,914	396,807	44,770	253	30,476	9,686	4,328						
DIST_L_XFMR	949,760	642,172	60,246	237	192,716	42,713	6,105	35	4,201	1,335	0						
DIST_SEC_SERV	3,981,830	1,456,025	136,019	537	330,434	0	4,894	79	332,945	1,720,898	0						
CUSTOMER	44,159,303	37,256,453	4,965,326	186,470	1,586,531	59,828	33,505	22,730	0	45,533	2,928						
Total	236,765,487	129,868,549	15,265,814	318,826	53,017,700	34,629,961	285,283	42,515	1,261,633	2,061,577	13,629						
OM A&G LABOR RELATED - DSM/EE																	
PROD_DEMAND	543,202	339,187	39,509	647	153,486	8,272	828	97	877	295	4						
PROD_ENERGY	543,202	339,187	39,509	647	153,486	8,272	828	97	877	295	4						
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0						
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0						
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0						
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0						
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0						
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0						
Total	1,086,405	678,374	79,019	1,294	306,971	16,545	1,657	195	1,753	591	7						
OM A&G LABOR RELATED - DERP																	
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0						
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0						
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0						
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0						
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0						
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0						
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0						
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0						
Total	0	0	0	0	0	0	0	0	0	0	0						

**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking &amp; Average (SWP&amp;A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE													
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
OM A&G ALL PLANT RELATED													
PROD_DEMAND	2,557,424	1,262,974	140,545	1,736	685,882	450,984	2,203	259	9,714	3,087	41		
PROD_ENERGY	12,190	5,268	617	10	3,528	2,640	14	2	85	27	0		
TRANSMISSION	390,395	219,994	23,307	197	93,849	52,803	216	29	0	0	0		
DIST_SUBS	198,929	127,323	11,907	47	38,184	19,021	1,224	7	833	265	118		
DIST_PRIMARY	195,805	131,224	12,315	48	39,497	10,200	1,261	7	859	273	122		
DIST_L_XFMR	178,818	120,906	11,343	45	36,284	8,042	1,149	7	791	251	0		
DIST_SEC_SERV	231,711	49,298	4,605	18	11,188	0	166	3	87,185	79,249	0		
CUSTOMER	774,591	652,292	86,907	3,264	29,287	1,275	570	326	0	629	41		
Total	4,539,863	2,569,279	291,546	5,365	937,699	544,965	6,803	638	99,466	83,780	323		
OM A&G GENERAL PLT RELATED													
PROD_DEMAND	88,945	43,925	4,888	60	23,854	15,685	77	9	338	107	1		
PROD_ENERGY	52,397	22,645	2,651	43	15,164	11,349	58	6	364	116	2		
TRANSMISSION	62,184	35,067	3,715	31	14,960	8,372	34	5	0	0	0		
DIST_SUBS	32,173	20,592	1,926	8	6,176	3,076	198	1	135	43	19		
DIST_PRIMARY	33,385	22,355	2,099	8	6,732	1,761	215	1	146	46	21		
DIST_L_XFMR	26,796	18,118	1,700	7	5,437	1,205	172	1	119	38	0		
DIST_SEC_SERV	36,591	8,198	766	3	1,861	0	28	0	12,978	12,758	0		
CUSTOMER	165,304	139,470	18,586	698	5,967	231	119	75	0	148	9		
Total	497,774	310,370	36,330	858	80,150	41,680	901	99	14,078	13,256	52		
TOTAL ADM & GEN PLT EXPENSE													
PROD_DEMAND	97,320,952	48,132,500	5,358,008	66,336	26,108,551	17,074,365	84,179	9,881	368,466	117,119	1,548		
PROD_ENERGY	75,126,585	32,572,051	3,812,757	61,790	21,738,448	16,162,611	83,752	9,293	518,805	164,898	2,179		
TRANSMISSION	7,948,929	4,516,372	478,482	4,040	1,926,681	1,018,328	4,437	590	0	0	0		
DIST_SUBS	4,766,830	3,050,971	285,330	1,125	914,991	455,785	29,323	166	19,961	6,344	2,835		
DIST_PRIMARY	7,221,530	4,811,745	452,637	1,774	1,454,143	408,768	46,246	261	31,481	10,005	4,471		
DIST_L_XFMR	1,155,374	781,196	73,288	288	344,438	51,960	7,426	42	5,111	1,624	0		
DIST_SEC_SERV	4,250,131	1,513,521	141,390	558	343,482	0	5,087	82	433,106	1,812,905	0		
CUSTOMER	45,099,198	38,048,216	5,070,818	190,432	1,621,785	61,334	34,195	23,131	0	46,309	2,979		
Total	242,889,529	133,426,571	15,672,709	326,343	54,342,521	35,233,150	294,644	43,447	1,376,930	2,159,204	14,011		
TOTAL ADMIN AND GEN EXPENSE													
PROD_DEMAND	99,666,972	49,291,073	5,486,935	67,928	26,737,736	17,488,070	86,199	10,118	377,377	119,951	1,585		
PROD_ENERGY	76,983,804	33,374,689	3,906,716	63,313	22,275,841	16,564,874	85,816	9,522	531,702	168,997	2,233		
TRANSMISSION	9,256,870	5,259,872	557,251	4,705	2,243,858	1,185,329	5,167	687	0	0	0		
DIST_SUBS	4,879,873	3,123,323	292,066	1,151	936,990	466,594	30,018	170	20,434	6,494	2,902		
DIST_PRIMARY	7,395,799	4,927,840	463,558	1,816	1,489,233	418,657	47,361	267	32,241	10,246	4,579		
DIST_L_XFMR	1,179,045	797,201	74,790	294	239,241	53,025	7,579	43	5,216	1,658	0		
DIST_SEC_SERV	4,349,370	1,549,809	144,780	571	351,717	0	5,209	84	441,404	1,855,795	0		
CUSTOMER	46,199,773	38,976,752	5,194,568	195,079	1,661,326	62,825	35,030	23,697	0	47,444	3,052		
Total	249,911,506	137,300,560	16,120,694	334,859	55,935,742	36,239,373	302,380	44,590	1,408,374	2,210,584	14,351		
BOOK O&M EXPENSE													
PROD_DEMAND	394,973,354	199,765,123	22,347,236	286,561	106,446,934	63,840,376	364,115	42,749	1,421,438	452,856	5,966		
PROD_ENERGY	1,364,630,031	595,266,117	77,405,659	1,461,733	391,980,138	283,824,510	1,537,980	201,202	9,927,058	2,984,165	41,471		
TRANSMISSION	29,870,395	16,977,660	1,798,678	15,187	7,242,660	3,817,313	16,679	2,219	0	0	0		
DIST_SUBS	15,117,733	9,675,983	904,907	3,567	2,901,844	1,445,496	92,996	525	63,306	20,119	8,990		
DIST_PRIMARY	39,668,854	26,422,780	2,485,902	9,740	7,987,011	2,255,675	253,949	1,434	172,872	54,940	24,550		
DIST_L_XFMR	4,437,801	3,000,579	281,501	1,106	900,471	199,580	28,525	163	19,631	6,239	0		
DIST_SEC_SERV	27,324,097	8,218,082	767,716	3,029	1,865,031	0	27,620	446	6,266,863	10,175,308	0		
CUSTOMER	210,809,542	178,216,193	23,755,079	892,118	7,219,955	238,657	151,100	107,781	0	215,592	13,067		
Total	2,086,831,807	1,037,542,516	129,746,678	2,673,041	526,544,051	355,621,607	2,472,964	336,518	17,871,168	13,909,219	94,045		

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 12.19 Et Item #45- "Performa Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE												
O&M ADJUSTMENTS:												
ADDITIONAL FUEL CLAUSE - FUEL REL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	870,478,333	385,152,337	49,867,100	808,064	276,902,960	148,603,388	1,066,976	107,030	6,029,151	1,915,780	25,547	0
ADDITIONAL FUEL CLAUSE - REM ENERGY												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,156,953,706)	(500,003,221)	(58,531,444)	(948,473)	(334,830,652)	(250,589,627)	(1,286,322)	(142,650)	(8,034,220)	(2,553,351)	(33,746)	0
ADDITIONAL DEFERRED FUEL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	273,901,174	117,993,594	13,812,717	223,826	79,145,719	59,880,137	304,968	33,663	1,895,961	602,554	8,035	0
TOTAL FUEL ADJUSTMENTS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(12,574,200)	3,142,709	5,148,373	83,417	21,218,027	(42,106,102)	85,622	(1,956)	(109,108)	(35,016)	(165)	0
ADDITIONAL PUR CHASE COST ADJ												
PROD_ENERGY	(1,943,824)	(959,950)	(106,824)	(1,319)	(521,319)	(342,780)	(1,674)	(197)	(7,383)	(2,346)	(31)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,943,824)	(959,950)	(106,824)	(1,319)	(521,319)	(342,780)	(1,674)	(197)	(7,383)	(2,346)	(31)	0

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SIS	SFL	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV
TOTAL PURCHASE POWER ADJ.																		
PROD_DEMAND	(1,943,824)	(959,950)	(106,824)	(1,319)	(521,319)	(342,780)	(1,674)	(197)	(7,383)	(2,346)	(31)							
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0							
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0							
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0							
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0							
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0							
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0							
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0							
Total	(1,943,824)	(959,950)	(106,824)	(1,319)	(521,319)	(342,780)	(1,674)	(197)	(7,383)	(2,346)	(31)							
ADJOM CLAUSE ADJ NCUC FEE																		
PROD_DEMAND	(346,974)	(137,045)	(11,902)	(113)	(91,072)	(106,478)	(341)	(9)	(25)	11	0							
PROD_ENERGY	(284,489)	(94,960)	(8,674)	(108)	(76,827)	(103,543)	(349)	(9)	(36)	16	1							
TRANSMISSION	(26,439)	(12,561)	(1,039)	(7)	(6,676)	(6,138)	(18)	(1)	0	0	0							
DIST_SUBS	(15,385)	(8,553)	(625)	(2)	(3,305)	(2,782)	(117)	(0)	(1)	1	1							
DIST_PRIMARY	(22,868)	(13,724)	(1,008)	(3)	(5,339)	(2,605)	(188)	(0)	(2)	1	1							
DIST_L_XFMR	(3,070)	(1,892)	(139)	(0)	(731)	(282)	(26)	(0)	(0)	0	0							
DIST_SEC_SERV	(5,765)	(4,290)	(313)	(1)	(1,281)	0	(21)	(0)	(23)	164	0							
CUSTOMER	(128,211)	(109,697)	(11,424)	(329)	(6,209)	(393)	(141)	(22)	(0)	4	1							
Total	(833,199)	(382,722)	(35,123)	(563)	(191,441)	(222,221)	(1,200)	(42)	(87)	196	4							
ADJOM WEATHER REL FUEL																		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0							
PROD_ENERGY	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0							
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0							
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0							
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0							
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0							
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0							
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0							
Total	(18,180,184)	(12,619,830)	(4,765,854)	(77,228)	(504,016)	(213,256)	0	0	0	0	0							
ADJOM WEATHER REL NC REG FEE																		
PROD_DEMAND	(101,537)	(72,218)	(25,349)	(251)	(2,591)	(1,128)	0	0	0	0	0							
PROD_ENERGY	(72,047)	(50,029)	(18,474)	(240)	(2,206)	(1,097)	0	0	0	0	0							
TRANSMISSION	(9,100)	(6,620)	(2,212)	(15)	(187)	(65)	0	0	0	0	0							
DIST_SUBS	(5,965)	(4,510)	(1,330)	(4)	(91)	(29)	0	0	0	0	0							
DIST_PRIMARY	(9,566)	(7,237)	(2,147)	(7)	(146)	(28)	0	0	0	0	0							
DIST_L_XFMR	(1,317)	(998)	(295)	(1)	(20)	(3)	0	0	0	0	0							
DIST_SEC_SERV	(2,965)	(2,262)	(667)	(2)	(35)	0	0	0	0	0	0							
CUSTOMER	(83,128)	(57,892)	(24,331)	(734)	(166)	(4)	0	0	0	0	0							
Total	(285,625)	(201,767)	(74,807)	(1,255)	(5,443)	(2,354)	0	0	0	0	0							
ADJOM FUEL - CUSTOMER GROWTH																		
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0							
PROD_ENERGY	2,857,405	(1,917,498)	261,769	9,831	3,845,022	584,590	84,490	1,302	0	(12,495)	396							
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0							
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0							
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0							
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0							
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0							
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0							
Total	2,857,405	(1,917,498)	261,769	9,831	3,845,022	584,590	84,490	1,302	0	(12,495)	396							



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
ADJOM NCUC FEE - CUSTOMER GROWTH														
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SUS	SFL			
ADJOM NCUC FEE - CUSTOMER GROWTH	PROD_DEMAND	12,122	(11,015)	1,392	32	17,724	3,625	392	4	0	(35)	1		
	PROD_ENERGY	12,211	(7,628)	1,015	31	14,909	3,529	401	4	0	(50)	2		
	TRANSMISSION	647	(1,010)	122	2	1,304	209	20	0	0	0	0		
	DIST_SUBS	266	(689)	73	1	650	95	135	0	0	(2)	2		
	DIST_PRIMARY	401	(1,105)	118	1	1,050	120	217	0	0	(3)	4		
	DIST_L_XFMR	51	(152)	16	0	144	13	30	0	0	(0)	0		
	DIST_SEC_SERV	(559)	(345)	37	0	253	0	24	0	0	(528)	0		
	CUSTOMER	(6,013)	(8,852)	1,336	93	1,230	18	162	11	0	(14)	2		
	Total	19,125	(30,796)	4,109	160	37,265	7,609	1,381	20	0	(632)	12		
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
ADJOM REMOVE REPS	PROD_ENERGY	(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
	Total	(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)		
	PROD_DEMAND	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)		
	PROD_ENERGY	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)		
ADJOM REMOVE DSM	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
	Total	(18,521,747)	(6,203,372)	(8,461,905)	(344,090)	(2,530,610)	(81,860)	(26,887)	(33,102)	(765,447)	(71,409)	(3,065)		
	PROD_DEMAND	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)		
	PROD_ENERGY	(36,064,222)	(22,519,252)	(2,623,098)	(42,946)	(10,190,202)	(549,210)	(55,002)	(6,466)	(58,200)	(19,606)	(240)		
	ADJOM REMOVE DSM - PLANT RELATED	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0		
Total		(72,128,445)	(45,038,504)	(5,246,195)	(85,893)	(20,380,404)	(1,098,421)	(110,004)	(12,932)	(116,400)	(39,212)	(480)		
PROD_DEMAND		(268,226)	(132,463)	(14,741)	(182)	(71,936)	(47,300)	(231)	(27)	(1,019)	(324)	(4)		
PROD_ENERGY		(268,226)	(132,463)	(14,741)	(182)	(71,936)	(47,300)	(231)	(27)	(1,019)	(324)	(4)		
TRANSMISSION		(40,945)	(23,073)	(2,444)	(21)	(9,843)	(5,538)	(23)	(3)	0	0	0		
DIST_SUBS	(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)			
DIST_PRIMARY	(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)			
DIST_L_XFMR	(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0			
DIST_SEC_SERV	(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0			
CUSTOMER	(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)			
Total	(476,148)	(269,470)	(30,578)	(563)	(98,347)	(57,157)	(713)	(67)	(10,432)	(8,787)	(34)			
TOTAL DSM RELATED ADJ TO O&M														
PROD_DEMAND	(36,332,449)	(22,651,715)	(2,637,838)	(43,129)	(10,262,138)	(596,510)	(55,233)	(6,493)	(59,219)	(19,930)	(244)			
PROD_ENERGY	(36,065,501)	(22,519,805)	(2,623,162)	(42,948)	(10,190,572)	(549,487)	(55,003)	(6,466)	(58,209)	(19,609)	(240)			
TRANSMISSION	(40,945)	(23,073)	(2,444)	(21)	(9,843)	(5,538)	(23)	(3)	0	0	0			
DIST_SUBS	(20,864)	(13,354)	(1,249)	(5)	(4,005)	(1,995)	(128)	(1)	(87)	(28)	(12)			
DIST_PRIMARY	(20,536)	(13,763)	(1,292)	(5)	(4,142)	(1,070)	(132)	(1)	(90)	(29)	(13)			
DIST_L_XFMR	(18,755)	(12,681)	(1,190)	(5)	(3,806)	(843)	(121)	(1)	(83)	(26)	0			
DIST_SEC_SERV	(24,302)	(5,170)	(483)	(2)	(1,173)	0	(17)	(0)	(9,144)	(8,312)	0			
CUSTOMER	(81,240)	(68,413)	(9,115)	(342)	(3,072)	(134)	(60)	(34)	(0)	(66)	(4)			
Total	(72,604,592)	(45,307,974)	(5,276,773)	(86,456)	(20,478,751)	(1,155,577)	(110,717)	(12,998)	(126,832)	(47,999)	(514)			

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 12.19 E1 Item #45D "P-forma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

### Summer-Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE												
ADIOM JAAR PROD DEMAND REL												
	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGIS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL	
PROD_DEMAND	(43,947,647)	(21,703,374)	(2,415,178)	(29,830)	(11,786,429)	(7,749,866)	(37,850)	(4,443)	(166,926)	(53,051)	(701)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(43,947,647)	(21,703,374)	(2,415,178)	(29,830)	(11,786,429)	(7,749,866)	(37,850)	(4,443)	(166,926)	(53,051)	(701)	
ADIOM JAAR A&G REL												
PROD_DEMAND	(18,865,854)	(9,316,828)	(1,036,788)	(12,805)	(5,059,680)	(3,326,864)	(16,248)	(1,907)	(71,658)	(22,774)	(301)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(18,865,854)	(9,316,828)	(1,036,788)	(12,805)	(5,059,680)	(3,326,864)	(16,248)	(1,907)	(71,658)	(22,774)	(301)	
ADIOM EXECUTIVE COMPENSATION												
PROD_DEMAND	(949,137)	(468,728)	(52,161)	(644)	(254,551)	(167,374)	(817)	(96)	(3,605)	(1,146)	(15)	
PROD_ENERGY	(751,381)	(324,726)	(38,013)	(616)	(217,455)	(162,745)	(835)	(93)	(5,218)	(1,658)	(22)	
TRANSMISSION	(75,587)	(42,967)	(4,552)	(38)	(18,330)	(9,651)	(42)	(6)	0	0	0	
DIST_SUBS	(45,734)	(29,272)	(2,738)	(11)	(8,779)	(4,373)	(281)	(2)	(192)	(61)	(27)	
DIST_PRIMARY	(70,505)	(46,969)	(4,419)	(17)	(14,196)	(4,001)	(451)	(3)	(307)	(98)	(44)	
DIST_L_XFMR	(9,577)	(6,475)	(607)	(2)	(1,943)	(431)	(62)	(0)	(42)	(13)	0	
DIST_SEC_SERV	(40,149)	(14,681)	(1,371)	(5)	(3,332)	0	(49)	(1)	(3,357)	(17,352)	0	
CUSTOMER	(445,263)	(375,661)	(50,066)	(1,880)	(15,997)	(603)	(336)	(229)	(0)	(459)	(30)	
Total	(2,387,332)	(1,309,479)	(153,927)	(3,215)	(534,583)	(349,178)	(2,877)	(429)	(12,721)	(20,787)	(137)	
ADIOM NON LABOR, NON FUEL INFLATION												
PROD_DEMAND	734,700	362,829	40,376	499	197,041	129,559	633	74	2,791	887	12	
PROD_ENERGY	4,490	1,941	227	4	1,299	973	5	1	31	10	0	
TRANSMISSION	138,287	77,653	8,227	69	33,127	19,124	76	10	0	0	0	
DIST_SUBS	54,309	34,760	3,251	13	10,425	5,193	334	2	227	72	32	
DIST_PRIMARY	53,496	35,851	3,365	13	10,791	2,787	345	2	235	75	33	
DIST_L_XFMR	48,770	32,975	3,094	12	9,896	2,193	313	2	216	69	0	
DIST_SEC_SERV	63,239	13,464	1,258	5	3,056	0	45	1	23,776	21,634	0	
CUSTOMER	212,393	178,865	23,831	895	8,024	349	156	89	0	173	11	
Total	1,309,684	738,338	83,628	1,510	273,658	160,178	1,908	181	27,276	22,919	89	
ADIOM YEAR END PAYROLL												
PROD_DEMAND	(7,324,741)	(3,617,295)	(402,537)	(4,972)	(1,964,440)	(1,291,668)	(6,308)	(740)	(27,821)	(8,842)	(117)	
PROD_ENERGY	(5,798,607)	(2,505,987)	(293,357)	(4,754)	(1,678,158)	(1,255,945)	(6,447)	(715)	(40,267)	(12,797)	(169)	
TRANSMISSION	(583,321)	(331,590)	(35,130)	(297)	(141,456)	(74,480)	(326)	(43)	0	0	0	
DIST_SUBS	(352,943)	(225,898)	(21,126)	(83)	(67,747)	(33,747)	(2,171)	(12)	(1,478)	(470)	(210)	
DIST_PRIMARY	(544,102)	(362,471)	(34,100)	(134)	(109,555)	(30,877)	(3,484)	(20)	(2,371)	(754)	(337)	
DIST_L_XFMR	(73,905)	(49,970)	(4,688)	(18)	(14,996)	(3,324)	(475)	(3)	(307)	(104)	0	
DIST_SEC_SERV	(309,842)	(113,299)	(10,584)	(42)	(25,712)	0	(381)	(6)	(25,908)	(133,910)	0	
CUSTOMER	(3,436,213)	(2,899,074)	(386,372)	(14,510)	(123,454)	(4,655)	(2,607)	(1,769)	(0)	(3,543)	(228)	
Total	(18,423,674)	(10,105,594)	(1,187,894)	(24,809)	(4,125,520)	(2,654,696)	(22,199)	(3,308)	(98,173)	(160,420)	(1,061)	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM													
COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SIS	SFL		
ADIOM PENSION EXPENSE	PROD_DEMAND	(1,210,695)	(597,897)	(66,535)	(822)	(324,699)	(213,498)	(1,043)	(122)	(4,599)	(1,461)	(19)	
	PROD_ENERGY	(958,443)	(414,212)	(48,489)	(786)	(277,380)	(207,593)	(1,066)	(118)	(6,656)	(2,115)	(28)	
	TRANSMISSION	(96,416)	(54,808)	(5,807)	(49)	(23,381)	(12,311)	(54)	(7)	0	0	0	
	DIST_SUBS	(58,337)	(37,338)	(3,492)	(14)	(11,198)	(5,578)	(359)	(2)	(244)	(78)	(35)	
	DIST_PRIMARY	(89,934)	(59,912)	(5,636)	(22)	(18,108)	(5,104)	(576)	(3)	(392)	(125)	(56)	
	DIST_L_XFMR	(12,216)	(8,259)	(775)	(3)	(2,479)	(549)	(79)	(0)	(54)	(17)	0	
	DIST_SEC_SERV	(51,213)	(18,727)	(1,749)	(7)	(4,250)	0	(63)	(1)	(4,282)	(22,134)	0	
	CUSTOMER	(567,966)	(479,183)	(63,863)	(2,398)	(20,406)	(769)	(431)	(292)	(0)	(586)	(38)	
	Total	(3,045,220)	(1,670,338)	(196,345)	(4,101)	(681,901)	(445,402)	(3,669)	(547)	(16,227)	(26,516)	(175)	
ADIOM NUCLEAR LEVELIZATION	PROD_DEMAND	(6,232,200)	(3,077,748)	(342,496)	(4,230)	(1,671,429)	(1,099,006)	(5,368)	(630)	(23,672)	(7,523)	(99)	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	(6,232,200)	(3,077,748)	(342,496)	(4,230)	(1,671,429)	(1,099,006)	(5,368)	(630)	(23,672)	(7,523)	(99)	
ADIOM RATE CASE EXPENSE	PROD_DEMAND	393,243	194,202	21,611	267	105,465	69,346	339	40	1,494	475	6	
	PROD_ENERGY	2,403	1,039	122	2	696	521	3	0	17	5	0	
	TRANSMISSION	74,017	41,563	4,403	37	17,731	10,236	41	5	0	0	0	
	DIST_SUBS	29,069	18,605	1,740	7	5,580	2,779	179	1	122	39	17	
	DIST_PRIMARY	28,633	19,189	1,801	7	5,776	1,492	184	1	126	40	18	
	DIST_L_XFMR	26,104	17,650	1,656	7	5,297	1,174	168	1	115	37	0	
	DIST_SEC_SERV	33,848	7,206	673	3	1,635	0	24	0	12,726	11,580	0	
	CUSTOMER	113,682	95,736	12,755	479	4,295	187	84	48	0	92	6	
	Total	701,000	395,191	44,761	808	146,474	85,734	1,021	97	14,599	12,267	48	
ADIOM AVIATION	PROD_DEMAND	(574,568)	(283,748)	(31,576)	(390)	(154,095)	(101,321)	(495)	(58)	(2,182)	(694)	(9)	
	PROD_ENERGY	(454,855)	(196,576)	(23,012)	(373)	(131,638)	(98,519)	(506)	(56)	(3,159)	(1,004)	(13)	
	TRANSMISSION	(45,757)	(26,011)	(2,756)	(23)	(11,096)	(5,842)	(26)	(3)	0	0	0	
	DIST_SUBS	(27,686)	(17,720)	(1,657)	(7)	(5,314)	(2,647)	(170)	(1)	(116)	(37)	(16)	
	DIST_PRIMARY	(42,681)	(28,433)	(2,675)	(10)	(8,594)	(2,422)	(273)	(2)	(186)	(59)	(26)	
	DIST_L_XFMR	(5,797)	(3,920)	(368)	(1)	(1,176)	(261)	(37)	(0)	(26)	(8)	0	
	DIST_SEC_SERV	(24,305)	(8,887)	(830)	(3)	(2,017)	0	(30)	(0)	(2,032)	(10,504)	0	
	CUSTOMER	(269,544)	(227,410)	(30,308)	(1,138)	(9,684)	(365)	(205)	(139)	(0)	(278)	(18)	
	Total	(1,445,192)	(792,704)	(93,181)	(1,946)	(323,615)	(211,378)	(1,741)	(260)	(7,701)	(12,584)	(83)	
ADIOM ANNUALIZE NC REGULATORY EXPENSE	PROD_DEMAND	(27,529)	(13,595)	(1,513)	(19)	(7,383)	(4,855)	(24)	(3)	(105)	(33)	(0)	
	PROD_ENERGY	(21,794)	(9,419)	(1,103)	(18)	(6,307)	(4,720)	(24)	(3)	(151)	(48)	(1)	
	TRANSMISSION	(2,192)	(1,246)	(132)	(1)	(532)	(280)	(1)	(0)	0	0	0	
	DIST_SUBS	(1,327)	(849)	(79)	(0)	(255)	(127)	(8)	(0)	(6)	(2)	(1)	
	DIST_PRIMARY	(2,045)	(1,362)	(128)	(1)	(412)	(116)	(13)	(0)	(9)	(3)	(1)	
	DIST_L_XFMR	(278)	(188)	(18)	(0)	(56)	(12)	(2)	(0)	(1)	(0)	0	
	DIST_SEC_SERV	(1,165)	(426)	(40)	(0)	(97)	0	(1)	(0)	(97)	(503)	0	
	CUSTOMER	(12,915)	(10,896)	(1,452)	(55)	(464)	(17)	(10)	(7)	(0)	(13)	(1)	
	Total	(69,244)	(37,981)	(4,465)	(93)	(15,505)	(10,128)	(83)	(12)	(369)	(603)	(4)	

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																		
ADJOM EXPIRING O&M AMORT-ENERGY REL	RETAIL		RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALIS	SIS	SFL						
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total
ADJOM EXPIRING O&M AMORT-PROD DEM REL	0	303,053	0	0	0	0	0	0	303,053	0	0	0	0	0	0	0	0	0
	0	130,971	0	15,332	248	87,706	65,639	337	37	2,104	669	9	0	0	0	0	0	9
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0</																	

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DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SIS	SFL					
ADIOM SEVERANCE EXP	PROD_DEMAND	(9,245,322)	(4,565,766)	(508,084)	(6,275)	(2,479,526)	(1,630,349)	(7,963)	(935)	(35,116)	(11,160)	(148)				
	PROD_ENERGY	(7,319,028)	(3,163,081)	(370,277)	(6,000)	(2,118,179)	(1,585,260)	(8,137)	(902)	(50,825)	(16,153)	(213)				
	TRANSMISSION	(736,271)	(418,534)	(44,341)	(374)	(178,546)	(94,009)	(411)	(55)	0	0	0				
	DIST_SUBS	(445,487)	(285,130)	(26,666)	(105)	(85,511)	(42,596)	(2,740)	(15)	(1,865)	(593)	(265)				
	DIST_PRIMARY	(686,768)	(457,512)	(43,041)	(169)	(138,281)	(38,973)	(4,397)	(25)	(2,993)	(951)	(425)				
	DIST_L_XFMR	(93,283)	(63,072)	(5,917)	(23)	(18,928)	(4,195)	(600)	(3)	(413)	(131)	0				
	DIST_SEC_SERV	(391,084)	(143,007)	(13,359)	(53)	(32,454)	0	(481)	(8)	(32,701)	(169,022)	0				
	CUSTOMER	(4,337,204)	(3,659,225)	(487,680)	(18,315)	(155,825)	(5,876)	(3,291)	(2,232)	(0)	(4,472)	(288)				
	Total	(23,254,446)	(12,755,327)	(1,499,366)	(31,314)	(5,207,251)	(3,401,258)	(28,020)	(4,176)	(123,914)	(202,482)	(1,339)				
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0				
ADIOM CREDIT CARD FEES	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288				
	Total	5,197,359	4,428,406	590,689	22,183	142,921	1,030	3,141	2,878	0	5,823	288				
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0				
	ADIOM VEG MANAGEMENT DISTRIBUTION	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0				
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0				
DIST_PRIMARY		1,119,831	743,647	70,050	274	225,265	66,305	7,147	40	4,865	1,546	691				
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0				
DIST_SEC_SERV		276,442	207,420	19,377	76	47,072	0	697	11	1,357	431	0				
CUSTOMER		3,529,518	3,009,569	401,411	15,076	95,022	473	1,898	1,956	0	3,958	156				
Total		4,925,791	3,960,636	490,837	15,426	367,359	66,778	9,742	2,008	6,222	5,935	847				
PROD_DEMAND		0	0	0	0	0	0	0	0	0	0	0				
ADIOM VEG MANAGEMENT TRANSMISSION		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
	TRANSMISSION	820,206	466,247	49,396	417	198,901	104,726	458	61	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0				
	Total	820,206	466,247	49,396	417	198,901	104,726	458	61	0	0	0				
	PROD_DEMAND	(735)	(363)	(40)	(0)	(197)	(130)	(1)	(0)	(3)	(1)	(0)				
	ADIOM NCUC FEE - MISC REVENUE PLANT REL	PROD_ENERGY	(4)	(2)	(0)	(0)	(1)	(1)	(0)	(0)	(0)	(0)	(0)			
TRANSMISSION		(138)	(78)	(8)	(0)	(33)	(19)	(0)	0	0	0	0				
DIST_SUBS		(54)	(35)	(3)	(0)	(10)	(5)	(0)	(0)	(0)	(0)	(0)				
DIST_PRIMARY		(53)	(36)	(3)	(0)	(11)	(3)	(0)	(0)	(0)	(0)	(0)				
DIST_L_XFMR		(49)	(33)	(3)	(0)	(10)	(2)	(0)	(0)	(0)	0	0				
DIST_SEC_SERV		(63)	(13)	(1)	(0)	(3)	0	(0)	(0)	(24)	(22)	0				
CUSTOMER		(212)	(179)	(24)	(1)	(8)	(0)	(0)	(0)	(0)	(0)	(0)				
Total		(1,309)	(738)	(84)	(2)	(274)	(160)	(2)	(0)	(27)	(23)	(0)				

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
ADJOM NCUC FEE - MISC REVENUE CUST REL																
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total							
	0	0	0	0	0	0	0	0	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)
Total	(4,080)	(3,476)	(464)	(17)	(112)	(1)	(2)	(2)	(0)	(5)	(5)	(0)	(0)	(0)	(0)	(0)
ADJOM NCUC FEE																
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total							
	(92,983)	(73,610)	(7,405)	(4,480)	(6,907)	(938)	(3,933)	(43,621)	(233,877)	(45,919)	(3,724)	(446)	(63)	(24,937)	(16,397)	(80)
	(45,919)	(31,812)	(4,209)	(2,868)	(4,601)	(634)	(1,438)	(36,802)	(128,284)	(5,110)	(3,724)	(268)	(1)	(860)	(428)	(28)
	(5,110)	(3,724)	(446)	(268)	(433)	(60)	(134)	(4,905)	(15,080)	(60)	(2,868)	(433)	(10)	(1,391)	(392)	(44)
	(184)	(134)	(184)	(10)	(326)	(42)	(5)	(59)	(34,208)	(190)	(42)	(6)	(326)	(42)	(1)	(1)
	(315)	(60)	(4)	(1)	(44)	(4)	(1)	(184)	(52,371)	(326)	(42)	(6)	(326)	(42)	(1)	(1)
	(16,397)	(15,943)	(945)	(428)	(392)	(42)	(5)	(59)	(34,208)	(16,397)	(15,943)	(945)	(428)	(392)	(42)	(5)
	(80)	(82)	(4)	(28)	(44)	(6)	(5)	(33)	(282)	(80)	(82)	(4)	(28)	(44)	(6)	(5)
	(9)	(9)	(1)	(0)	(0)	(0)	(0)	(22)	(42)	(9)	(9)	(1)	(0)	(0)	(0)	(0)
	(353)	(511)	(19)	(30)	(44)	(4)	(329)	(0)	(1,246)	(353)	(511)	(19)	(30)	(44)	(4)	(329)
	(112)	(162)	(6)	(10)	(10)	(1)	(1,700)	(45)	(2,036)	(112)	(162)	(6)	(10)	(10)	(1)	(1,700)
Total	(13)	(2)	(3)	(4)	(4)	0	0	(3)	(13)	(42)	(9)	(1)	(0)	(0)	(0)	(0)
ADJOM PLANT RETIREMENT - DEM																
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total							
	(1,474,401)	0	0	0	0	0	0	0	(233,877)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)
	0	0	0	0	0	0	0	0	(128,284)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	(15,080)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	(4,905)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	(36,802)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	(1,438)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	(43,621)	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	(233,877)	0	0	0	0	0	0	0
Total	(1,474,401)	(728,127)	(81,027)	(1,001)	(395,423)	(260,001)	(1,270)	(149)	(2,036)	(5,600)	(1,780)	(24)	(1,780)	(24)	(24)	(24)
ADJOM PLANT RETIREMENT - ENERGY																
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total							
	0	(4,922,606)	0	0	0	0	0	0	(1,474,401)	0	0	0	0	0	0	0
	0	(2,127,413)	0	0	0	0	0	0	(728,127)	0	0	0	0	0	0	0
	0	(249,040)	0	0	0	0	0	0	(81,027)	0	0	0	0	0	0	0
	0	(4,036)	0	0	0	0	0	0	(1,001)	0	0	0	0	0	0	0
	0	(1,424,537)	0	0	0	0	0	0	(395,423)	0	0	0	0	0	0	0
	0	(1,066,209)	0	0	0	0	0	0	(260,001)	0	0	0	0	0	0	0
	0	(5,473)	0	0	0	0	0	0	(1,270)	0	0	0	0	0	0	0
	0	(607)	0	0	0	0	0	0	(149)	0	0	0	0	0	0	0
	0	(34,184)	0	0	0	0	0	0	(5,600)	0	0	0	0	0	0	0
	0	(10,864)	0	0	0	0	0	0	(1,780)	0	0	0	0	0	0	0
Total	(4,922,606)	(2,127,413)	(249,040)	(4,036)	(1,424,537)	(1,066,209)	(5,473)	(607)	(2,036)	(34,184)	(10,864)	(144)	(1,780)	(24)	(24)	(24)
ADJOM ONGOING EXP - ENERGY REL																
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total							
	0	4,938,744	0	0	0	0	0	0	4,938,744	0	0	0	0	0	0	0
	0	2,134,388	0	0	0	0	0	0	2,134,388	0	0	0	0	0	0	0
	0	249,856	0	0	0	0	0	0	249,856	0	0	0	0	0	0	0
	0	4,049	0	0	0	0	0	0	4,049	0	0	0	0	0	0	0
	0	1,429,308	0	0	0	0	0	0	1,429,308	0	0	0	0	0	0	0
	0	1,069,704	0	0	0	0	0	0	1,069,704	0	0	0	0	0	0	0
	0	5,491	0	0	0	0	0	0	5,491	0	0	0	0	0	0	0
	0	609	0	0	0	0	0	0	609	0	0	0	0	0	0	0
	0	34,296	0	0	0	0	0	0	34,296	0	0	0	0	0	0	0
	0	10,900	0	0	0	0	0	0	10,900	0	0	0	0	0	0	0
Total	4,938,744	2,134,388	249,856	4,049	1,429,308	1,069,704	5,491	609	4,938,744	0	0	0	0	0	0	0



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM													
COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADJOM ASHEVILLE CC DEFERRAL	PROD_DEMAND	6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	6,087,221	3,006,150	334,528	4,132	1,632,547	1,073,440	5,243	615	23,121	7,348	97	
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
ADJOM UNCOLLECTIBLES	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100	
	PROD_DEMAND	2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
TOTAL O&M ADJUSTMENTS	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100	
	Total	2,163,813	1,256,448	150,819	2,644	448,981	250,633	2,243	300	12,982	38,665	100	
	PROD_DEMAND	(121,650,819)	(64,790,627)	(7,338,454)	(101,076)	(33,102,787)	(15,668,846)	(128,287)	(15,079)	(381,649)	(122,418)	(1,597)	
	PROD_ENERGY	(98,982,082)	(47,251,520)	(11,284,136)	(384,579)	7,098,779	(45,965,990)	70,314	(42,219)	(1,044,974)	(174,214)	(3,542)	
	TRANSMISSION	(701,260)	(400,254)	(43,395)	(360)	(167,694)	(89,137)	(371)	(50)	0	0	0	
	DIST_SUBS	(961,687)	(615,778)	(58,184)	(227)	(183,294)	(92,654)	(5,768)	(33)	(3,940)	(1,253)	(556)	
	DIST_PRIMARY	(396,997)	(267,318)	(26,029)	(99)	(78,113)	(20,755)	(2,329)	(13)	(1,607)	(512)	(223)	
	DIST_L_XFMR	(158,302)	(107,145)	(10,184)	(40)	(31,849)	(7,195)	(986)	(6)	(681)	(217)	0	
	DIST_SEC_SERV	(540,696)	(105,987)	(10,200)	(39)	(23,550)	0	(330)	(5)	(44,961)	(355,624)	0	
	CUSTOMER	813,347	196,065	(639)	(2,721)	330,841	238,859	(132)	12	12,982	38,186	(106)	
	Total	(222,578,496)	(113,342,563)	(18,771,221)	(489,141)	(26,157,667)	(61,605,717)	(67,889)	(57,393)	(1,464,830)	(616,052)	(6,024)	
ADJ O&M EXPENSE	PROD_DEMAND	273,322,535	134,974,496	15,008,781	185,485	73,344,147	48,171,530	235,828	27,670	1,039,789	330,439	4,369	
	PROD_ENERGY	1,265,647,949	548,014,597	66,121,522	1,077,154	399,078,917	237,858,520	1,608,293	158,983	8,882,084	2,809,950	37,929	
	TRANSMISSION	29,169,134	16,577,406	1,755,283	14,827	7,074,966	3,728,176	16,308	2,169	0	0	0	
	DIST_SUBS	14,156,046	9,060,205	846,723	3,339	2,718,550	1,352,843	87,227	492	59,365	18,866	8,434	
	DIST_PRIMARY	39,271,856	26,155,462	2,459,873	9,640	7,908,898	2,234,921	251,620	1,421	171,265	54,428	24,327	
	DIST_L_XFMR	4,279,499	2,893,434	271,317	1,066	868,628	192,385	27,539	157	18,950	6,022	0	
	DIST_SEC_SERV	26,783,401	8,112,095	757,517	2,990	1,841,481	0	27,290	441	6,221,902	9,819,684	0	
	CUSTOMER	211,622,890	178,412,258	23,754,441	889,397	7,550,796	477,517	150,968	107,792	12,982	253,777	12,961	
	Total	1,864,253,310	924,199,953	110,975,457	2,183,900	500,386,383	294,015,891	2,405,075	299,125	16,406,338	13,293,168	88,020	

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COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
DEPRECIATION & INTANGIBLE PLT AMORT EXPENSE:												
PRODUCTION FUNCTION:												
DPE PRODUCTION RELATED												
DPE EXT. DECOM. TRUST-PROD	307,399,059	151,807,823	16,893,361	208,651	82,442,118	54,207,717	264,750	31,076	1,167,588	371,071	4,904	
DPE CONTRA AFUDC NC RET-PROD	17,337,167	8,561,892	952,778	11,768	4,649,698	3,057,291	14,932	1,753	65,851	20,928	277	
DPE CONTRA AFUDC SC RET-PROD	(6,208,430)	(3,066,009)	(341,189)	(4,214)	(1,665,054)	(1,094,814)	(5,347)	(628)	(23,581)	(7,494)	(99)	
DPE CONTRA AFUDC WHSL - PROD	0	0	0	0	0	0	0	0	0	0	0	
DPE HARRIS PLANT DISALLOW-NCR	(4,932,690)	(2,435,990)	(271,080)	(3,348)	(1,322,910)	(869,846)	(4,248)	(499)	(18,736)	(5,954)	(79)	
DPE HARRIS PLANT DISALLOW-SCR	0	0	0	0	0	0	0	0	0	0	0	
DPE HARRIS PLANT DISALLOW-WHSL	0	0	0	0	0	0	0	0	0	0	0	
DPE HARRIS PLT. DISALLOW-NCENPA	0	0	0	0	0	0	0	0	0	0	0	
DPE OTHER NC RETAIL SPECIFIC EXPENSE	(12,655,516)	(6,249,877)	(695,494)	(8,590)	(3,394,114)	(2,231,713)	(10,900)	(1,279)	(48,069)	(15,277)	(202)	
DPE OTHER SC RETAIL SPECIFIC EXPENSE	0	0	0	0	0	0	0	0	0	0	0	
DPE RATE DIFF. PROD.- SC	0	0	0	0	0	0	0	0	0	0	0	
DPE RATE DIFF. PROD. - WHSL	0	0	0	0	0	0	0	0	0	0	0	
DPE RATE DIFF. PROD.- NCENPA	0	0	0	0	0	0	0	0	0	0	0	
TOTAL PRODUCTION PLT DEPR.												
PROD_DEMAND	300,939,591	148,617,840	16,538,376	204,267	80,709,737	53,068,634	259,186	30,423	1,143,054	363,273	4,801	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	300,939,591	148,617,840	16,538,376	204,267	80,709,737	53,068,634	259,186	30,423	1,143,054	363,273	4,801	
DPE TRANS RELATED - PROD												
PROD_DEMAND	2,112,112	1,043,058	116,073	1,434	566,453	372,456	1,819	214	8,022	2,550	34	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	2,112,112	1,043,058	116,073	1,434	566,453	372,456	1,819	214	8,022	2,550	34	
DPE TRANS RELATED - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	26,273,453	14,935,182	1,582,290	13,360	6,371,340	3,354,657	14,672	1,952	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	26,273,453	14,935,182	1,582,290	13,360	6,371,340	3,354,657	14,672	1,952	0	0	0	

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL				
DPE TRANS RELATED - -SC RETAIL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0				
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0				
	Total	0	0	0	0	0	0	0	0	0	0	0				
	DPE TRANS RELATED - -OATT CONTRA	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0				
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0				
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0				
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0				
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0				
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0				
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0				
Total		0	0	0	0	0	0	0	0	0	0	0				
DPE TRANS RELATED - -NC RETAIL		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	425	242	26	0	103	54	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0				
	Total	425	242	26	0	103	54	0	0	0	0	0				
	DPE DISTRIBUTION PLANT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0				
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0				
DIST_SUBS		19,220,182	12,301,722	1,150,468	4,535	3,689,308	1,837,756	118,232	668	80,485	25,579	11,430				
DIST_PRIMARY		18,878,305	12,652,208	1,187,382	4,664	3,808,040	982,883	121,600	687	82,778	26,307	11,756				
DIST_L_XFMR		17,326,741	11,715,318	1,099,078	4,318	3,515,779	779,231	111,372	636	76,648	24,359	0				
DIST_SEC_SERV		22,408,159	4,757,789	444,463	1,754	1,079,744	0	15,990	258	8,449,933	7,658,228	0				
CUSTOMER		73,904,824	62,229,889	8,290,962	311,383	2,800,985	122,558	54,473	30,944	0	59,691	3,939				
Total		151,738,211	103,656,927	12,172,354	326,654	14,893,856	3,722,428	421,668	33,193	8,689,843	7,794,165	27,124				
DPE DISTRIBUTION DEPRN - SCR		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0				
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0				
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0				
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0				
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0				
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0				
	Total	0	0	0	0	0	0	0	0	0	0	0				

**DUKE ENERGY PROGRESS, LLC**  
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TEST YEAR ENDING DECEMBER 31 2018

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL		
DPE DISTRIBUTION DEPRN - NC STORM	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	237,119	157,464	14,833	58	47,699	14,040	1,513	9	1,030	327	146		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	58,535	43,920	4,103	16	9,967	0	148	2	287	91	0		
	CUSTOMER	747,360	637,263	84,997	3,192	20,120	100	402	414	0	838	33		
	Total	1,043,015	838,648	103,933	3,266	77,787	14,140	2,063	425	1,318	1,257	179		
	DPE DISTRIBUTION DEPRN - SC STORM	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0		
Total		0	0	0	0	0	0	0	0	0	0	0		
DPE GENERAL PLANT		PROD_DEMAND	3,978,004	1,964,522	218,614	2,700	1,066,871	701,494	3,426	402	15,110	4,802	63	
	PROD_ENERGY	2,343,443	1,012,771	118,557	1,921	678,209	507,576	2,605	289	16,274	5,172	68		
	TRANSMISSION	2,781,155	1,568,348	166,157	1,403	669,056	374,445	1,541	205	0	0	0		
	DIST_SUBS	1,438,907	920,961	86,129	339	276,198	137,582	8,851	50	6,025	1,915	856		
	DIST_PRIMARY	1,493,105	999,793	93,862	369	301,102	78,767	9,609	54	6,541	2,079	929		
	DIST_L_XFMR	1,198,437	810,313	76,020	299	243,176	53,897	7,703	44	5,302	1,685	0		
	DIST_SEC_SERV	1,636,496	366,669	34,253	135	83,213	0	1,232	20	580,360	570,613	0		
	CUSTOMER	7,393,119	6,237,731	831,246	31,218	266,850	10,349	5,344	3,367	0	6,601	414		
	Total	22,262,666	13,881,107	1,624,838	38,384	3,584,674	1,864,111	40,312	4,431	629,611	592,866	2,331		
	DPE GENERAL PLANT - SCR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0		
Total		0	0	0	0	0	0	0	0	0	0	0		
DPE AMORT LTD TERM PLT		PROD_DEMAND	15,979,799	7,891,561	878,183	10,847	4,285,662	2,817,928	13,763	1,615	60,696	19,290	255	
	PROD_ENERGY	76,167	32,917	3,853	62	22,043	16,497	85	9	529	168	2		
	TRANSMISSION	2,439,342	1,374,607	145,631	1,230	586,407	329,937	1,350	180	0	0	0		
	DIST_SUBS	1,242,986	795,563	74,402	293	238,591	118,849	7,646	43	5,205	1,654	739		
	DIST_PRIMARY	1,223,470	819,939	76,951	302	246,790	63,732	7,880	45	5,364	1,705	762		
	DIST_L_XFMR	1,117,327	755,471	70,875	278	226,718	50,249	4,943	41	4,943	1,571	0		
	DIST_SEC_SERV	1,447,821	308,031	28,776	114	69,905	0	1,035	17	544,767	495,176	0		
	CUSTOMER	4,839,954	4,075,781	543,027	20,394	183,000	7,964	3,564	2,035	0	3,930	259		
	Total	28,366,867	16,053,871	1,821,697	33,521	5,859,115	3,405,157	42,506	3,985	621,504	523,493	2,017		

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																	
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
BOOK DEPRECIATION EXPENSE	PROD_DEMAND	323,009,506	159,516,981	17,751,245	219,247	86,628,723	56,960,513	278,194	32,654	1,226,881	389,914	5,153					
	PROD_ENERGY	2,419,609	1,045,688	122,410	1,984	700,252	524,074	2,690	298	16,802	5,340	71					
	TRANSMISSION	31,494,374	17,878,379	1,894,104	15,993	7,626,906	4,059,093	17,564	2,336	0	0	0					
	DIST_SUBS	21,902,076	14,018,247	1,310,999	5,167	4,204,097	2,094,188	134,729	761	91,715	29,148	13,025					
	DIST_PRIMARY	21,831,999	14,629,404	1,373,027	5,393	4,403,630	1,139,423	140,603	794	95,713	30,419	13,593					
	DIST_L_XFMR	19,642,505	13,281,101	1,245,973	4,896	3,985,672	883,378	126,257	721	86,892	27,615	0					
	DIST_SEC_SERV	25,551,011	5,476,409	511,595	2,019	1,242,829	0	18,406	297	9,575,347	8,724,109	0					
	CUSTOMER	86,885,258	73,180,665	9,750,231	366,188	3,270,955	140,971	63,783	36,761	0	71,059	4,645					
	Total	532,736,339	299,026,874	33,959,586	620,886	112,063,065	65,801,639	782,226	74,622	11,093,351	9,277,604	36,486					
	DEPRECIATION EXPENSE ADJUSTMENTS:																
ADIDPE FUEL - CATALYST REL																	
ADIDPE REMOVE DSDR-TRANS	PROD_DEMAND	(1,665,775)	(822,636)	(91,544)	(1,131)	(446,748)	(293,748)	(1,435)	(168)	(6,327)	(2,011)	(27)					
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0					
	TRANSMISSION	(6,871)	(3,906)	(414)	(3)	(1,666)	(877)	(4)	(1)	0	0	0					
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0					
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0					
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0					
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0					
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0					
	Total	(1,665,775)	(822,636)	(91,544)	(1,131)	(446,748)	(293,748)	(1,435)	(168)	(6,327)	(2,011)	(27)					
	ADIDPE REMOVE DSDR-DIST																
ADIDPE REMOVE DSDR-DIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0					
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0					
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0					
	DIST_SUBS	(475,351)	(304,245)	(28,453)	(112)	(91,244)	(45,451)	(2,924)	(17)	(1,991)	(633)	(283)					
	DIST_PRIMARY	(466,896)	(312,913)	(29,366)	(115)	(94,180)	(24,309)	(3,007)	(17)	(2,047)	(651)	(291)					
	DIST_L_XFMR	(428,523)	(289,742)	(27,182)	(107)	(86,952)	(19,272)	(2,754)	(16)	(1,896)	(602)	0					
	DIST_SEC_SERV	(554,196)	(117,669)	(10,992)	(43)	(26,704)	0	(395)	(6)	(208,983)	(189,402)	0					
	CUSTOMER	(1,827,806)	(1,539,063)	(205,051)	(7,701)	(69,274)	(3,031)	(1,347)	(765)	0	(1,476)	(97)					
	Total	(3,752,773)	(2,563,632)	(301,045)	(8,079)	(368,353)	(92,063)	(10,429)	(821)	(214,916)	(192,764)	(671)					
	ADIDPE REMOVE DSDR-GEN																
ADIDPE REMOVE DSDR-GEN	PROD_DEMAND	(112,663)	(55,638)	(6,191)	(76)	(30,215)	(19,867)	(97)	(11)	(428)	(136)	(2)					
	PROD_ENERGY	(66,370)	(28,683)	(3,358)	(54)	(19,208)	(14,375)	(74)	(8)	(461)	(146)	(2)					
	TRANSMISSION	(78,766)	(44,418)	(4,706)	(40)	(18,949)	(10,605)	(44)	(6)	0	0	0					
	DIST_SUBS	(40,752)	(26,083)	(2,439)	(10)	(7,822)	(3,897)	(251)	(1)	(171)	(54)	(24)					
	DIST_PRIMARY	(42,287)	(28,316)	(2,658)	(10)	(8,528)	(2,231)	(272)	(2)	(185)	(59)	(26)					
	DIST_L_XFMR	(33,942)	(22,949)	(2,153)	(8)	(6,887)	(1,526)	(218)	(1)	(150)	(48)	0					
	DIST_SEC_SERV	(46,348)	(10,385)	(970)	(4)	(2,357)	0	(35)	(1)	(16,437)	(16,161)	0					
	CUSTOMER	(209,384)	(176,662)	(23,542)	(884)	(7,558)	(293)	(151)	(95)	(0)	(187)	(12)					
	Total	(630,512)	(393,133)	(46,018)	(1,087)	(101,523)	(52,794)	(1,142)	(125)	(17,832)	(16,791)	(66)					

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE												
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
ADJDP REMOVE DSDR-INT												
PROD_DEMAND	(439,609)	(217,099)	(24,159)	(298)	(117,900)	(77,522)	(379)	(44)	(1,670)	(531)	(7)	
PROD_ENERGY	(2,095)	(906)	(106)	(2)	(606)	(454)	(2)	(0)	(15)	(5)	(0)	
TRANSMISSION	(67,107)	(37,816)	(4,006)	(34)	(16,132)	(9,077)	(37)	(5)	0	0	0	
DIST_SUBS	(34,195)	(21,886)	(2,047)	(8)	(6,564)	(3,270)	(210)	(1)	(143)	(46)	(20)	
DIST_PRIMARY	(33,658)	(22,557)	(2,117)	(8)	(6,789)	(1,753)	(217)	(1)	(148)	(47)	(21)	
DIST_L_XFMR	(30,738)	(20,783)	(1,950)	(8)	(6,237)	(1,382)	(198)	(1)	(136)	(43)	0	
DIST_SEC_SERV	(39,830)	(8,474)	(792)	(3)	(1,923)	0	(28)	(0)	(14,987)	(13,622)	0	
CUSTOMER	(133,149)	(112,126)	(14,939)	(561)	(5,034)	(219)	(98)	(56)	(0)	(108)	(7)	
Total	(780,381)	(441,647)	(50,115)	(922)	(161,186)	(93,677)	(1,169)	(110)	(17,098)	(14,401)	(55)	
ADJDP YE DEPR EXP-PROD												
PROD_DEMAND	39,642,153	19,577,122	2,178,566	26,908	10,631,728	6,990,622	34,142	4,008	150,572	47,853	632	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	39,642,153	19,577,122	2,178,566	26,908	10,631,728	6,990,622	34,142	4,008	150,572	47,853	632	
ADJDP YE DEPR EXP-TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	1,536,807	873,600	92,553	781	372,677	196,223	858	114	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	1,536,807	873,600	92,553	781	372,677	196,223	858	114	0	0	0	
ADJDP YE DEPR EXP-DIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	(435,901)	(278,995)	(26,092)	(103)	(83,671)	(41,679)	(2,681)	(15)	(1,825)	(580)	(259)	
DIST_PRIMARY	(428,147)	(286,944)	(26,929)	(106)	(86,364)	(22,291)	(2,758)	(16)	(1,877)	(597)	(267)	
DIST_L_XFMR	(392,959)	(265,695)	(24,926)	(98)	(79,735)	(17,672)	(2,526)	(14)	(1,738)	(552)	0	
DIST_SEC_SERV	(508,202)	(107,903)	(10,080)	(40)	(24,488)	0	(363)	(6)	(191,639)	(173,683)	0	
CUSTOMER	(1,676,112)	(1,411,332)	(188,033)	(7,062)	(63,524)	(2,780)	(1,235)	(702)	0	(1,354)	(89)	
Total	(3,441,320)	(2,350,869)	(276,061)	(7,408)	(337,783)	(84,422)	(9,563)	(753)	(197,080)	(176,766)	(615)	
ADJDP YE DEPR EXP-GEN												
PROD_DEMAND	689,691	340,601	37,903	468	184,970	121,622	594	70	2,620	833	11	
PROD_ENERGY	406,297	175,590	20,555	333	117,585	88,002	452	50	2,821	897	12	
TRANSMISSION	482,186	271,914	28,808	243	115,998	64,920	267	36	0	0	0	
DIST_SUBS	249,472	159,673	14,933	59	47,886	23,854	1,535	9	1,045	332	148	
DIST_PRIMARY	258,869	173,340	16,273	64	52,204	13,656	1,666	9	1,134	360	161	
DIST_L_XFMR	207,781	140,489	13,180	52	42,161	9,344	1,336	8	919	292	0	
DIST_SEC_SERV	283,729	63,572	5,939	23	14,427	0	214	3	100,621	98,931	0	
CUSTOMER	1,281,791	1,081,474	144,118	5,413	46,265	1,794	926	584	0	1,144	72	
Total	3,859,818	2,406,654	281,708	6,655	621,497	323,193	6,989	768	109,160	102,789	404	



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE													
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADIDPE ADDITIONS TO EPIS - PROD	PROD_DEMAND	39,915,034	19,711,884	2,193,563	27,093	10,704,912	7,038,743	34,377	4,035	151,609	48,183	637	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	39,915,034	19,711,884	2,193,563	27,093	10,704,912	7,038,743	34,377	4,035	151,609	48,183	637	
ADIDPE ADDITIONS TO EPIS - TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	3,712,358	2,110,295	223,573	1,888	900,251	474,003	2,073	276	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
	Total	3,712,358	2,110,295	223,573	1,888	900,251	474,003	2,073	276	0	0	0	
ADIDPE ADDITIONS TO EPIS - DIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	2,264,796	1,449,565	135,565	534	434,727	216,551	13,932	79	9,484	3,014	1,347	
	DIST_PRIMARY	2,224,512	1,490,864	139,914	550	448,718	115,817	14,329	81	9,754	3,100	1,385	
	DIST_L_XFMR	2,041,684	1,380,466	129,509	509	414,279	91,820	13,123	75	9,032	2,870	0	
	DIST_SEC_SERV	2,640,450	560,631	52,373	207	127,231	0	1,884	30	995,692	902,402	0	
	CUSTOMER	8,708,522	7,332,815	976,960	36,692	330,052	14,441	6,419	3,646	0	7,034	464	
	Total	17,879,964	12,214,340	1,434,321	38,491	1,755,007	438,630	49,687	3,911	1,023,961	918,420	3,196	
ADIDPE ADDITIONS TO EPIS - GEN	PROD_DEMAND	603,477	298,025	33,165	410	161,848	106,419	520	61	2,292	728	10	
	PROD_ENERGY	355,508	153,641	17,986	291	102,887	77,001	395	44	2,469	785	10	
	TRANSMISSION	421,911	237,924	25,207	213	101,498	56,805	234	31	0	0	0	
	DIST_SUBS	218,287	139,713	13,066	52	41,900	20,872	1,343	8	914	291	130	
	DIST_PRIMARY	226,509	151,672	14,239	56	45,678	11,949	1,458	8	992	315	141	
	DIST_L_XFMR	181,807	122,927	11,532	45	36,891	8,176	1,169	7	804	256	0	
	DIST_SEC_SERV	248,262	55,625	5,196	21	12,624	0	187	3	88,043	86,564	0	
	CUSTOMER	1,121,562	946,285	126,103	4,736	40,482	1,570	811	511	0	1,001	63	
	Total	3,377,323	2,105,812	246,494	5,823	543,807	282,792	6,115	672	95,514	89,940	354	
ADIDPE ADDITIONS TO EPIS - INT	PROD_DEMAND	2,840,545	1,402,792	156,104	1,928	761,813	500,911	2,446	287	10,789	3,429	45	
	PROD_ENERGY	13,539	5,851	685	11	3,918	2,933	15	2	94	30	0	
	TRANSMISSION	433,614	244,348	25,887	219	104,239	58,649	240	32	0	0	0	
	DIST_SUBS	220,951	141,418	13,226	52	42,412	21,126	1,359	8	925	294	131	
	DIST_PRIMARY	217,482	145,751	13,679	54	43,869	11,329	1,401	8	954	303	135	
	DIST_L_XFMR	198,614	134,291	12,599	50	40,301	8,932	1,277	7	879	279	0	
	DIST_SEC_SERV	257,362	54,755	5,115	20	12,426	0	184	3	96,837	88,022	0	
	CUSTOMER	860,343	724,505	96,528	3,625	32,330	1,416	634	362	0	699	46	
	Total	5,042,452	2,853,712	323,822	5,959	1,041,508	605,296	7,556	708	110,478	93,055	358	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPE NEW RATES - PROD												
PROD_DEMAND	77,599,152	38,322,038	4,264,523	52,671	20,811,510	13,684,079	66,833	7,845	294,743	93,672	1,238	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	77,599,152	38,322,038	4,264,523	52,671	20,811,510	13,684,079	66,833	7,845	294,743	93,672	1,238	
ADIDPE NEW RATES - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	5,010,270	2,848,095	301,738	2,548	1,214,996	639,723	2,798	372	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,010,270	2,848,095	301,738	2,548	1,214,996	639,723	2,798	372	0	0	0	0
ADIDPE NEW RATES - DIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(468,194)	(299,664)	(28,025)	(110)	(89,870)	(44,767)	(2,880)	(16)	(1,961)	(623)	(278)	
DIST_PRIMARY	(459,866)	(308,202)	(28,924)	(114)	(92,762)	(23,943)	(2,962)	(17)	(2,016)	(641)	(286)	
DIST_L_XFMR	(422,071)	(285,379)	(26,773)	(105)	(85,643)	(18,982)	(2,713)	(15)	(1,867)	(593)	0	
DIST_SEC_SERV	(545,852)	(115,897)	(10,827)	(43)	(26,302)	0	(390)	(6)	(205,836)	(186,551)	0	
CUSTOMER	(1,800,285)	(1,515,890)	(201,964)	(7,585)	(68,231)	(2,985)	(1,327)	(754)	0	(1,454)	(96)	
Total	(3,696,268)	(2,525,032)	(296,513)	(7,957)	(362,807)	(90,677)	(10,272)	(809)	(211,680)	(189,862)	(661)	
ADIDPE NEW RATES - GEN												
PROD_DEMAND	1,738,418	858,511	95,536	1,180	466,231	306,558	1,497	176	6,603	2,098	28	
PROD_ENERGY	1,024,102	442,588	51,810	840	296,382	221,815	1,139	126	7,112	2,260	30	
TRANSMISSION	1,215,385	685,380	72,612	613	292,383	163,635	673	90	0	0	0	
DIST_SUBS	628,813	402,467	37,639	148	120,701	60,125	3,868	22	2,633	837	374	
DIST_PRIMARY	652,498	436,917	41,018	161	131,584	34,422	4,199	24	2,859	908	406	
DIST_L_XFMR	523,726	354,113	33,221	131	106,270	23,553	3,366	19	2,317	736	0	
DIST_SEC_SERV	715,161	160,237	14,969	59	36,365	0	539	9	253,622	249,362	0	
CUSTOMER	3,230,849	2,725,935	363,261	13,643	116,615	4,523	2,335	1,471	275,145	259,087	181	
Total	9,728,952	6,066,148	710,066	16,774	1,566,529	814,630	17,617	1,936	275,145	259,087	1,019	
ADIDPE REMOVE JAAR												
PROD_DEMAND	(30,721,748)	(15,171,815)	(1,688,338)	(20,853)	(8,239,342)	(5,417,570)	(26,459)	(3,106)	(116,690)	(37,085)	(490)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	(30,721,748)	(15,171,815)	(1,688,338)	(20,853)	(8,239,342)	(5,417,570)	(26,459)	(3,106)	(116,690)	(37,085)	(490)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPE REMOVE EXPIRING DEPR AMORT-PROD												
PROD_DEMAND	(186,678)	(92,190)	(10,259)	(127)	(50,066)	(32,919)	(161)	(19)	(709)	(225)		(3)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(186,678)	(92,190)	(10,259)	(127)	(50,066)	(32,919)	(161)	(19)	(709)	(225)		(3)
ADIDPE ANNUALIZE DEPR AMORT-GEN												
PROD_DEMAND	471,586	232,891	25,916	320	126,476	83,161	406	48	1,791	569		8
PROD_ENERGY	277,811	120,062	14,055	228	80,401	60,172	309	34	1,929	613		8
TRANSMISSION	329,701	185,925	19,698	166	79,315	44,390	183	24	0	0		0
DIST_SUBS	170,580	109,178	10,210	40	32,743	16,310	1,049	6	714	227		101
DIST_PRIMARY	177,005	118,524	11,127	44	35,695	9,338	1,139	6	775	246		110
DIST_L_XFMR	142,073	96,061	9,012	35	28,828	6,389	913	5	628	200		0
DIST_SEC_SERV	194,004	43,468	4,061	16	9,865	0	146	2	68,801	67,645		0
CUSTOMER	876,442	739,472	98,543	3,701	31,635	1,227	634	399	0	782		49
Total	2,639,201	1,645,582	192,622	4,550	424,957	220,987	4,779	525	74,639	70,283		276
ADIDPE MERGER IMPACTS - TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0		0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		0
TRANSMISSION	(169,616)	(96,419)	(10,215)	(86)	(41,132)	(21,657)	(95)	(13)	0	0		0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		0
CUSTOMER	0	0	0	0	0	0	0	0	0	0		0
Total	(169,616)	(96,419)	(10,215)	(86)	(41,132)	(21,657)	(95)	(13)	0	0		0
ADIDPE DECOMMISSIONING EXP												
PROD_DEMAND	3,626,511	1,790,938	199,298	2,462	972,603	639,510	3,123	367	13,775	4,378		58
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0		0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		0
CUSTOMER	0	0	0	0	0	0	0	0	0	0		0
Total	3,626,511	1,790,938	199,298	2,462	972,603	639,510	3,123	367	13,775	4,378		58
ADIDPE PLANT RETIREMENT - PROD												
PROD_DEMAND	(178,641)	(88,221)	(9,817)	(121)	(47,910)	(31,502)	(154)	(18)	(679)	(216)		(3)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0		0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0		0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0		0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0		0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0		0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0		0
CUSTOMER	0	0	0	0	0	0	0	0	0	0		0
Total	(178,641)	(88,221)	(9,817)	(121)	(47,910)	(31,502)	(154)	(18)	(679)	(216)		(3)

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE													
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
TOTAL DEPR EXP ADJUSTMENTS	PROD_DEMAND	133,821,453	66,087,201	7,354,265	90,833	35,889,908	23,598,496	115,255	13,528	508,292	161,540	2,135	
	PROD_ENERGY	2,008,793	868,144	101,627	1,647	581,359	435,093	2,233	248	13,950	4,433	59	
	TRANSMISSION	12,819,872	7,274,924	770,733	6,508	3,103,478	1,656,132	7,147	951	0	0	0	
	DIST_SUBS	2,298,507	1,471,141	137,582	542	441,198	219,774	14,139	80	9,625	3,059	1,367	
	DIST_PRIMARY	2,326,020	1,558,138	146,257	574	469,125	121,985	14,975	85	10,194	3,240	1,448	
	DIST_L_XFMR	1,987,453	1,343,798	126,069	495	403,275	89,381	12,775	73	8,792	2,794	0	
	DIST_SEC_SERV	2,644,540	577,959	53,992	213	131,163	0	1,942	31	965,733	913,506	0	
	CUSTOMER	10,432,773	8,795,415	1,171,982	44,015	383,959	15,663	7,599	4,601	0	8,966	573	
	Total	168,339,412	87,976,720	9,862,507	144,828	41,403,465	26,136,524	176,066	19,596	1,516,586	1,097,538	5,582	
	ADJ DEPRECIATION EXPENSE	PROD_DEMAND	456,830,959	225,604,133	25,105,510	310,080	122,518,631	80,559,009	393,449	46,182	1,735,173	551,454	7,288
PROD_ENERGY		4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	9,773	129	
TRANSMISSION		44,314,246	25,153,302	2,664,837	22,500	10,730,384	5,715,225	24,711	3,287	0	0	0	
DIST_SUBS		24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	14,392	
DIST_PRIMARY		24,158,019	16,187,542	1,519,284	5,967	4,872,755	1,261,408	155,578	879	105,908	33,658	15,040	
DIST_L_XFMR		21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	139,032	794	95,684	30,409	0	
DIST_SEC_SERV		28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	0	
CUSTOMER		97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	80,025	5,218	
Total	701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	956,292	94,219	12,609,937	10,375,142	42,068		

PROD_DEMAND	456,830,959	225,604,183	25,105,510	310,080	122,518,631	80,559,009	393,449	46,182	1,735,173	551,454	7,288			
PROD_ENERGY	4,428,402	1,913,832	224,037	3,630	1,281,611	959,167	4,924	546	30,752	9,773	129			
TRANSMISSION	44,314,246	25,153,302	2,664,837	22,500	10,730,384	5,715,225	24,711	3,287	0	0	0			
DIST_SUBS	24,200,583	15,489,388	1,448,582	5,710	4,645,294	2,313,962	148,868	841	101,340	32,207	14,392			
DIST_PRIMARY	24,158,019	16,187,542	1,519,284	5,967	4,872,755	1,261,408	155,578	879	105,908	33,658	15,040			
DIST_L_XFMR	21,629,958	14,624,899	1,372,042	5,391	4,388,948	972,759	139,032	794	95,684	30,409	0			
DIST_SEC_SERV	28,195,551	6,054,368	565,587	2,232	1,373,993	0	20,348	329	10,541,080	9,637,615	0			
CUSTOMER	97,318,031	81,976,080	10,922,214	410,204	3,654,914	156,634	71,382	41,361	0	80,025	5,218			
Total	701,075,751	387,003,594	43,822,093	765,714	153,466,530	91,938,163	958,292	94,219	12,609,937	10,375,142	42,068			

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
OTHER AMORTIZATION EXPENSE:																
AMORT WHS SPEC - MAYO, RECS																
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0											

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
AMORT DSM/EE O&M DEFERRAL	PROD_DEMAND	(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)										
	PROD_ENERGY	(36,462,216)	(22,767,767)	(2,652,045)	(43,420)	(10,302,658)	(555,271)	(55,609)	(6,537)	(58,842)	(19,823)	(243)										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0										
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0										
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0										
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0										
	Total	(72,924,432)	(45,535,535)	(5,304,091)	(86,841)	(20,605,316)	(1,110,543)	(111,218)	(13,074)	(117,584)	(39,645)	(486)										
AMORT DSM/EE CAPITAL DEFERRAL	PROD_DEMAND	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)										
	PROD_ENERGY	(4,893,075)	(3,055,338)	(355,893)	(5,827)	(1,382,573)	(74,515)	(7,462)	(877)	(7,896)	(2,660)	(33)										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0										
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0										
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0										
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0										
	Total	(9,786,149)	(6,110,676)	(711,786)	(11,654)	(2,765,146)	(149,030)	(14,925)	(1,755)	(15,793)	(5,320)	(65)										
AMORT NC REPS DEBIT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0										
	PROD_ENERGY	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0										
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0										
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0										
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0										
	Total	(16,877,347)	(5,652,623)	(7,710,639)	(313,541)	(2,305,937)	(74,592)	(24,500)	(30,163)	(697,489)	(65,069)	(2,793)										
AMORT NC REPS DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0										
	PROD_ENERGY	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,596	90,183	3,870										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0										
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0										
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0										
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0										
	Total	23,391,433	7,834,345	10,686,686	434,558	3,195,951	103,382	33,956	41,806	966,596	90,183	3,870										
AMORT SC DERP AMORTIZATION	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0										
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0										
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0										
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0										
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0										
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0										
	Total	0	0	0	0	0	0	0	0	0	0	0										



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
AMORT SC POLLUTION CNTL DPE DEF	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
AMORT RETIRED PLANT	PROD_ENERGY	17,546,379	8,665,211	964,275	11,910	4,705,807	3,094,184	15,112	1,774	66,646	21,181	280
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	17,546,379	8,665,211	964,275	11,910	4,705,807	3,094,184	15,112	1,774	66,646	21,181	280
	PROD_DEMAND	14,076,338	6,951,544	773,576	9,555	3,775,168	2,482,266	12,123	1,423	53,466	16,992	225
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
AMORT OTHER NC RETAIL PROD REL	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	14,076,338	6,951,544	773,576	9,555	3,775,168	2,482,266	12,123	1,423	53,466	16,992	225
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
AMORT SC DEFERRED ASH AMORTIZATION	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
AMORT WHL DEFERRED ASH AMORTIZATION	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0

**DUKE ENERGY PROGRESS, LLC**  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE													
		RETAIL	RCS	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
AMORT NC STORM DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	5,220,729	3,466,935	326,576	1,278	1,050,200	309,119	33,321	188	22,683	7,209	3,221	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	1,288,793	967,006	90,336	356	219,455	0	3,250	52	6,327	2,011	0	0
	CUSTOMER	16,454,857	14,030,818	1,871,404	70,283	442,988	2,206	8,848	9,120	0	18,451	729	0
Total	22,964,378	18,464,759	2,288,316	71,918	1,712,652	311,325	45,418	9,361	29,009	27,670	3,950	0	
AMORT NC EDIT	PROD_DEMAND	(1,835,839)	(906,622)	(100,890)	(1,246)	(492,358)	(323,738)	(1,581)	(186)	(6,973)	(2,216)	(29)	0
	PROD_ENERGY	(11,220)	(4,849)	(568)	(9)	(3,247)	(2,430)	(12)	(1)	(78)	(25)	(0)	0
	TRANSMISSION	(345,546)	(194,037)	(20,557)	(174)	(82,776)	(47,787)	(191)	(25)	(0)	0	0	0
	DIST_SUBS	(135,706)	(86,858)	(8,123)	(32)	(26,049)	(12,976)	(835)	(5)	(568)	(181)	(81)	0
	DIST_PRIMARY	(133,674)	(89,584)	(8,407)	(33)	(26,964)	(6,965)	(861)	(586)	(186)	(186)	(83)	0
	DIST_L_XFMR	(121,865)	(82,398)	(7,730)	(30)	(24,728)	(5,481)	(783)	(4)	(539)	(171)	0	0
	DIST_SEC_SERV	(158,018)	(33,643)	(3,143)	(12)	(7,635)	0	(113)	(2)	(59,411)	(54,059)	0	0
	CUSTOMER	(530,719)	(446,940)	(59,547)	(2,236)	(20,050)	(871)	(391)	(224)	(0)	(432)	(28)	0
Total	(3,272,588)	(1,844,930)	(208,965)	(3,773)	(683,807)	(400,247)	(4,767)	(452)	(68,156)	(57,269)	(222)	0	
AMORT RETIRED METERS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0
Total	377,415	266,134	34,923	1,311	65,842	7,612	1,439	22	0	0	132	0	
AMORT COR	PROD_DEMAND	575,758	284,336	31,641	391	154,414	101,531	496	58	2,187	695	9	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	575,758	284,336	31,641	391	154,414	101,531	496	58	2,187	695	9	0	
AMORT NC RETAIL CONTINUING	PROD_DEMAND	1,118,783	552,507	61,484	759	300,049	197,290	964	113	4,249	1,351	18	0
	PROD_ENERGY	6,838	2,955	346	6	1,979	1,481	8	1	47	15	0	0
	TRANSMISSION	210,580	118,248	12,528	106	50,445	29,122	116	15	0	0	0	0
	DIST_SUBS	82,701	52,932	4,950	20	15,874	7,908	509	3	346	110	49	0
	DIST_PRIMARY	81,463	54,594	5,124	20	16,432	4,244	525	3	357	114	51	0
	DIST_L_XFMR	74,266	50,214	4,711	19	15,069	3,340	477	3	329	104	0	0
	DIST_SEC_SERV	96,298	20,502	1,915	8	4,653	0	69	1	36,206	32,944	0	0
	CUSTOMER	323,427	272,371	36,289	1,363	12,219	531	238	136	0	263	17	0
Total	1,994,356	1,124,323	127,346	2,299	416,720	243,915	2,905	275	41,535	34,901	135	0	

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COS DETAIL - OPER. EXPENSE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
AMORT OTHER NC RETAIL SPECIFIC																								
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312													
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	44,964,405	19,432,366	2,274,794	36,862	13,013,019	9,739,036	49,992	5,544	312,246	99,235	1,312													
AMORT OTHER SC RETAIL SPECIFIC																								
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)													
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	(101,044)	(43,669)	(5,112)	(83)	(29,243)	(21,886)	(112)	(12)	(702)	(223)	(3)													
BOOK OTHER AMORTIZATIONS																								
PROD_DEMAND	49,168,354	25,519,853	2,870,679	38,230	13,322,804	7,142,637	48,642	5,712	166,039	53,061	696													
PROD_ENERGY	60,856,170	27,489,974	5,935,252	169,085	16,552,041	9,889,406	73,794	18,873	596,024	129,272	2,449													
TRANSMISSION	(134,966)	(75,788)	(8,029)	(68)	(32,331)	(18,665)	(74)	(10)	0	0	0													
DIST_SUBS	(53,005)	(33,925)	(3,173)	(13)	(10,174)	(5,068)	(326)	(2)	(222)	(71)	(32)													
DIST_PRIMARY	5,168,517	3,431,944	323,292	1,265	1,039,668	306,399	32,984	186	22,454	7,136	3,189													
DIST_L_XFMR	(47,599)	(32,183)	(3,019)	(12)	(9,658)	(2,141)	(306)	(2)	(211)	(67)	0													
DIST_SEC_SERV	1,227,073	953,865	89,108	352	216,472	0	3,206	52	(16,879)	(19,104)	850													
CUSTOMER	16,624,979	14,122,383	1,883,069	70,721	501,008	9,478	10,134	9,055	(0)	18,282	7,153													
Total	132,809,523	71,376,122	11,087,179	279,559	31,579,830	17,322,045	168,054	33,865	767,206	188,509	7,153													
ADJAM REMOVE DSM																								
PROD_DEMAND	(9,483,105)	(5,921,449)	(689,745)	(11,293)	(2,679,519)	(144,415)	(14,463)	(1,700)	(15,304)	(5,155)	(63)													
PROD_ENERGY	(9,483,105)	(5,921,449)	(689,745)	(11,293)	(2,679,519)	(144,415)	(14,463)	(1,700)	(15,304)	(5,155)	(63)													
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0													
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0													
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0													
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0													
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0													
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0													
Total	(18,966,211)	(11,842,897)	(1,379,490)	(22,586)	(5,359,037)	(288,830)	(28,926)	(3,400)	(30,607)	(10,311)	(126)													

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COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJAM REMOVE REPS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(6,514,086)	(2,181,722)	(2,976,046)	(121,016)	(890,014)	(28,790)	(9,456)	(11,642)	(269,207)	(25,114)	(1,078)	0
ADJAM REMOVE NC EDIT IMPACT												
PROD_DEMAND	1,835,839	906,622	100,890	1,246	492,358	323,738	1,581	186	6,973	2,216	29	0
PROD_ENERGY	11,220	4,849	568	9	3,247	2,430	12	1	78	25	0	0
TRANSMISSION	345,546	194,037	20,557	174	82,776	47,787	191	25	0	0	0	0
DIST_SUBS	135,706	86,858	8,133	32	26,049	12,976	835	5	568	181	81	0
DIST_PRIMARY	133,674	89,584	8,407	33	26,964	6,965	861	5	586	186	83	0
DIST_L_XFMR	121,865	82,398	7,730	30	24,728	5,481	783	4	539	171	0	0
DIST_SEC_SERV	158,018	33,643	3,143	12	7,635	0	113	2	59,411	54,059	0	0
CUSTOMER	530,719	446,940	59,547	2,236	20,050	871	391	224	0	432	28	0
Total	3,272,588	1,844,930	208,965	3,773	683,807	400,247	4,767	452	68,156	57,269	222	0
AMORT NC DEFERRED ASH AMORTIZATION												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	105,900,204	45,767,124	5,357,597	86,817	30,648,274	22,937,385	117,742	13,057	735,402	233,718	3,089	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	105,900,204	45,767,124	5,357,597	86,817	30,648,274	22,937,385	117,742	13,057	735,402	233,718	3,089	0
ADJAM AMORT ANNUALIZATION - PROD												
PROD_DEMAND	1,282,641	633,427	70,489	871	343,995	226,185	1,105	130	4,872	1,548	20	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,282,641	633,427	70,489	871	343,995	226,185	1,105	130	4,872	1,548	20	0
ADJAM AMORT ANNUALIZATION - ENERGY												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,891,862	1,681,954	196,893	3,191	1,126,332	842,955	4,327	480	27,026	8,589	114	0

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COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJAM AMORT ANNUALIZATION - STORMS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	(2,900,408)	(1,926,077)	(181,431)	(710)	(583,445)	(171,733)	(18,511)	(105)	(12,601)	(4,005)	(1,790)
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	(715,997)	(537,226)	(50,187)	(198)	(121,919)	0	(1,806)	(29)	(3,515)	(1,117)	0
	CUSTOMER	(9,141,597)	(7,794,907)	(1,039,670)	(39,046)	(246,110)	(1,225)	(4,915)	(5,067)	0	(10,250)	(405)
	Total	(12,758,001)	(10,258,210)	(1,271,288)	(39,954)	(951,474)	(172,958)	(25,232)	(5,200)	(16,116)	(15,372)	(2,195)
	ADJAM AMORT ANNUALIZATION - PLANT	PROD_DEMAND	(1,118,783)	(552,507)	(61,484)	(759)	(300,049)	(197,290)	(964)	(113)	(4,249)	(1,351)
PROD_ENERGY		(6,838)	(2,955)	(346)	(6)	(1,979)	(1,481)	(8)	(1)	(47)	(15)	(0)
TRANSMISSION		(210,580)	(118,248)	(12,528)	(106)	(50,445)	(29,122)	(116)	(15)	0	0	0
DIST_SUBS		(82,701)	(52,932)	(4,950)	(20)	(15,874)	(7,908)	(509)	(3)	(346)	(110)	(49)
DIST_PRIMARY		(81,463)	(54,594)	(5,124)	(20)	(16,432)	(4,244)	(525)	(3)	(357)	(114)	(51)
DIST_L_XFMR		(74,266)	(50,214)	(4,711)	(19)	(15,069)	(3,340)	(477)	(3)	(329)	(104)	0
DIST_SEC_SERV		(96,298)	(20,502)	(1,915)	(8)	(4,653)	0	(69)	(1)	(36,206)	(32,944)	0
CUSTOMER		(323,427)	(272,371)	(36,289)	(1,363)	(12,219)	(531)	(238)	(136)	(0)	(32,944)	(263)
Total		(1,994,356)	(1,124,323)	(127,346)	(2,299)	(416,720)	(243,915)	(2,905)	(275)	(41,535)	(34,901)	(135)
ADJAM EOL NUCLEAR FUEL		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(38)
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(1,301,744)	(562,578)	(65,857)	(1,067)	(376,734)	(281,950)	(1,447)	(161)	(9,040)	(2,873)	(38)
	ADJAM EOL NUCLEAR SUPPLIES	PROD_DEMAND	1,041,461	514,321	57,234	707	279,312	183,654	897	105	3,956	1,257
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0
Total		1,041,461	514,321	57,234	707	279,312	183,654	897	105	3,956	1,257	17
ADJAM STORM DEFERRAL AMORT - DISTR		PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	9,151,121	6,076,995	572,436	2,240	1,840,836	541,837	58,406	330	39,759	12,636	5,646
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	2,259,052	1,695,010	158,344	625	384,670	0	5,697	92	11,090	3,524	0
	CUSTOMER	28,842,791	24,593,831	3,280,279	123,196	776,505	3,866	15,508	15,986	0	32,341	1,278
	Total	40,252,964	32,365,836	4,011,060	126,061	3,002,011	545,703	79,611	16,408	50,849	48,501	6,924

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
ADJAM STORM DEFERRAL AMORT - TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0
ADJAM STORM DEFERRAL AMORT - PROD	PROD_DEMAND	226,341	111,777	12,439	154	60,703	39,914	195	23	860	273	4
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	226,341	111,777	12,439	154	60,703	39,914	195	23	860	273	4
ADJAM AMORT ASHEVILLE CC	PROD_DEMAND	13,432,203	6,633,441	738,177	9,117	3,602,416	2,368,677	11,569	1,358	51,019	16,214	214
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	13,432,203	6,633,441	738,177	9,117	3,602,416	2,368,677	11,569	1,358	51,019	16,214	214
TOTAL OTHER AMORT ADJUSTMENTS	PROD_DEMAND	7,216,596	2,325,634	228,001	42	1,799,216	2,800,463	(80)	(12)	48,126	15,003	203
	PROD_ENERGY	92,497,513	38,785,224	1,823,064	(43,365)	27,829,608	23,326,134	96,707	35	468,908	209,174	2,024
	TRANSMISSION	3,325,923	1,889,692	200,201	1,690	806,142	426,094	1,856	247	0	0	0
	DIST_SUBS	53,005	33,925	3,173	13	10,174	5,068	326	2	222	71	32
	DIST_PRIMARY	6,302,925	4,185,908	394,289	1,543	1,267,923	372,824	40,231	227	27,386	8,704	3,889
	DIST_L_XFMR	47,599	32,183	3,019	12	9,658	2,141	306	2	211	67	0
	DIST_SEC_SERV	1,604,775	1,170,925	109,385	432	265,732	0	3,935	64	30,780	23,522	0
	CUSTOMER	19,908,487	16,973,493	2,263,868	85,023	538,227	2,981	10,746	11,007	0	22,259	884
	Total	130,956,823	65,396,984	5,025,000	45,390	32,526,681	26,935,705	154,027	11,571	575,633	278,799	7,032
ADJ OTHER AMORTIZATIONS	PROD_DEMAND	56,384,950	27,845,487	3,098,680	38,272	15,122,020	9,943,099	48,562	5,700	214,166	68,064	900
	PROD_ENERGY	153,353,682	66,275,197	7,758,316	125,720	44,381,649	33,215,540	170,501	18,908	1,064,932	338,445	4,473
	TRANSMISSION	3,190,957	1,813,904	192,172	1,623	773,810	407,429	1,782	237	0	0	0
	DIST_SUBS	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	DIST_PRIMARY	11,471,442	7,617,853	717,581	2,808	2,307,591	679,223	73,215	413	49,840	15,840	7,078
	DIST_L_XFMR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0
	DIST_SEC_SERV	2,831,848	2,124,790	198,494	783	482,205	0	7,141	115	13,902	4,418	0
	CUSTOMER	36,533,466	31,095,875	4,146,937	155,744	1,039,235	12,459	20,880	20,062	0	40,542	1,734
	Total	263,766,345	136,773,106	16,112,179	324,949	64,106,510	44,257,750	322,081	45,436	1,342,840	467,309	14,184



### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

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### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	2,498,398	1,599,080	149,547	589	479,567	238,887	15,369	87	10,462	3,325	1,486
DIST_PRIMARY	2,453,958	1,644,639	154,346	606	495,000	127,763	15,807	89	10,760	3,420	1,528
DIST_L_XFMR	2,252,273	1,522,854	142,867	561	457,010	101,291	14,477	83	9,963	3,166	0
DIST_SEC_SERV	2,912,798	618,457	57,775	228	140,354	0	2,079	34	1,096,392	995,480	0
CUSTOMER	9,606,760	8,089,155	1,077,728	40,476	364,095	15,931	7,081	4,022	0	7,759	512
Total	19,724,187	13,474,184	1,582,263	42,461	1,936,027	483,872	54,812	4,315	1,129,578	1,013,150	3,526
PROD_DEMAND	381,112	188,211	20,944	259	102,211	67,206	328	39	1,448	460	6
PROD_ENERGY	224,513	97,028	11,358	184	64,976	48,628	250	28	1,559	495	7
TRANSMISSION	266,448	150,255	15,919	134	64,099	35,874	148	20	0	0	0
DIST_SUBS	137,854	88,232	8,252	33	26,461	13,181	848	5	577	183	82
DIST_PRIMARY	143,047	95,785	8,992	35	28,847	7,546	921	5	627	199	89
DIST_L_XFMR	114,816	77,632	7,283	29	23,297	5,164	738	4	508	161	0
DIST_SEC_SERV	156,784	35,129	3,282	13	7,972	0	118	2	55,601	54,667	0
CUSTOMER	708,296	597,605	79,637	2,991	25,565	992	512	333	0	632	40
Total	2,132,870	1,329,877	155,667	3,677	343,429	178,591	3,862	425	60,320	56,799	223
PROD_DEMAND	729	360	40	0	196	129	1	0	3	1	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	9,479	5,341	566	5	2,279	1,282	5	1	0	0	0
DIST_SUBS	4,827	3,090	289	1	927	462	30	0	20	6	3
DIST_PRIMARY	4,741	3,178	298	1	956	247	31	0	21	7	3
DIST_L_XFMR	4,352	2,942	276	1	883	196	28	0	19	6	0
DIST_SEC_SERV	5,628	1,195	112	0	271	0	4	0	2,122	1,923	0
CUSTOMER	18,562	15,630	2,082	78	703	31	14	8	0	15	1
Total	48,318	31,736	3,663	87	6,215	2,346	112	9	2,185	1,958	7
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0
PROD_DEMAND	6,818,499	3,367,289	374,716	4,628	1,828,670	1,202,396	5,872	689	25,899	8,231	109
PROD_ENERGY	41,672	18,010	2,108	34	12,060	9,026	46	5	289	92	1
TRANSMISSION	1,283,396	720,672	76,351	645	307,438	177,487	708	94	0	0	0
DIST_SUBS	504,026	322,598	30,170	119	96,748	48,193	3,100	18	2,111	671	300
DIST_PRIMARY	496,480	332,724	31,226	123	100,146	25,867	3,198	18	2,177	692	309
DIST_L_XFMR	452,618	306,033	28,711	113	91,841	20,355	2,909	17	2,002	636	0
DIST_SEC_SERV	586,897	124,954	11,673	46	28,357	0	420	7	220,661	200,780	0
CUSTOMER	1,971,147	1,659,982	221,165	8,306	74,469	3,235	1,451	830	0	1,603	105
Total	12,154,735	6,852,263	776,119	14,014	2,539,730	1,486,559	17,705	1,678	253,138	212,705	824

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE																
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL				
OT PUC LICENSE TAX - SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OT MISC TAXES: SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OT MISC TAXES: OTHER STATES		PROD_DEMAND	528	261	29	0	142	93	0	0	0	2	1	0	0	0
		PROD_ENERGY	3	1	0	0	1	1	0	0	0	0	0	0	0	0
		TRANSMISSION	99	56	6	0	24	14	0	0	0	0	0	0	0	0
		DIST_SUBS	39	25	2	0	7	4	0	0	0	0	0	0	0	0
	DIST_PRIMARY	38	26	2	0	8	2	0	0	0	0	0	0	0	0	
	DIST_L_XFMR	35	24	2	0	7	2	0	0	0	0	0	0	0	0	
	DIST_SEC_SERV	45	10	1	0	2	0	0	0	0	17	16	0	0	0	
	CUSTOMER	153	129	17	1	6	0	0	0	0	0	0	0	0	0	
	Total	942	531	60	1	197	115	1	1	0	20	16	0	0	0	0
	BOOK OTHER TAXES	PROD_DEMAND	54,558,273	26,957,960	3,000,277	37,089	14,633,722	9,603,000	47,063	5,524	206,984	65,785	869			
		PROD_ENERGY	8,526,770	3,706,485	433,849	7,032	2,466,944	1,824,381	9,526	1,058	58,618	18,633	246			
		TRANSMISSION	8,205,349	4,657,486	493,432	4,166	1,986,881	1,058,200	4,576	609	0	0	0			
		DIST_SUBS	3,456,135	2,212,071	206,875	815	663,404	330,462	21,260	120	14,473	4,600	2,055			
DIST_PRIMARY		3,681,188	2,463,954	231,357	908	742,264	195,357	23,681	134	16,121	5,123	2,289				
DIST_L_XFMR		2,761,166	1,866,937	175,148	688	560,270	124,177	17,748	101	12,215	3,882	0				
DIST_SEC_SERV		3,881,883	893,168	83,438	329	202,698	0	3,002	48	1,331,863	1,367,336	0				
CUSTOMER		16,415,850	13,831,946	1,843,042	69,218	611,187	25,550	12,193	7,367	0	14,407	940				
Total		101,486,613	56,590,007	6,467,417	120,246	21,867,369	13,161,126	139,049	14,961	1,640,272	1,479,765	6,400				

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 12.19 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
OTHER TAX ADJUSTMENTS:														
ADJOT REMOVE DSM - PLANT RELATED														
PROD_DEMAND	(229,263)	(113,221)	(12,599)	(156)	(61,487)	(40,429)	(197)	(23)	(871)	(277)	(4)			
PROD_ENERGY	(1,093)	(472)	(55)	(1)	(316)	(237)	(1)	(0)	(8)	(2)	(0)			
TRANSMISSION	(34,997)	(19,722)	(2,089)	(18)	(8,413)	(4,734)	(19)	(3)	0	0	0			
DIST_SUBS	(17,833)	(11,414)	(1,067)	(4)	(3,423)	(1,705)	(110)	(1)	(75)	(24)	(11)			
DIST_PRIMARY	(17,553)	(11,764)	(1,104)	(4)	(3,541)	(914)	(113)	(1)	(77)	(24)	(11)			
DIST_L_XFMR	(16,030)	(10,839)	(1,017)	(4)	(3,253)	(721)	(103)	(1)	(71)	(23)	0			
DIST_SEC_SERV	(20,772)	(4,419)	(413)	(2)	(1,003)	0	(15)	(0)	(7,816)	(7,104)	0			
CUSTOMER	(69,439)	(58,475)	(7,791)	(293)	(2,626)	(114)	(51)	(29)	(0)	(56)	(4)			
Total	(406,981)	(230,326)	(26,136)	(481)	(84,061)	(48,854)	(610)	(57)	(8,917)	(7,511)	(29)			
ADJOT REMOVE JAAR PLANT REL TAX														
PROD_DEMAND	(3,704,417)	(1,829,412)	(203,579)	(2,514)	(993,497)	(653,249)	(3,190)	(374)	(14,070)	(4,472)	(59)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(3,704,417)	(1,829,412)	(203,579)	(2,514)	(993,497)	(653,249)	(3,190)	(374)	(14,070)	(4,472)	(59)			
ADJOT REMOVE DSM														
PROD_DEMAND	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)			
PROD_ENERGY	(111,584)	(69,675)	(8,116)	(133)	(31,529)	(1,699)	(170)	(20)	(180)	(61)	(1)			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(223,168)	(139,351)	(16,232)	(266)	(63,058)	(3,399)	(340)	(40)	(360)	(121)	(1)			
ADJOT REMOVE JAAR PAYROLL TAX														
PROD_DEMAND	(2,057,125)	(1,015,903)	(113,051)	(1,396)	(551,706)	(362,760)	(1,772)	(208)	(7,814)	(2,483)	(33)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(2,057,125)	(1,015,903)	(113,051)	(1,396)	(551,706)	(362,760)	(1,772)	(208)	(7,814)	(2,483)	(33)			
ADJOT PROPERTY TAX														
PROD_DEMAND	2,271,559	1,121,801	124,835	1,542	609,215	400,574	1,956	230	8,628	2,742	36			
PROD_ENERGY	10,827	4,679	548	9	3,133	2,345	12	1	75	24	0			
TRANSMISSION	346,757	195,403	20,702	175	83,359	46,901	192	26	0	0	0			
DIST_SUBS	176,693	113,091	10,576	42	33,916	16,895	1,087	6	740	235	105			
DIST_PRIMARY	173,919	116,556	10,939	43	35,082	9,060	1,120	6	763	242	108			
DIST_L_XFMR	158,830	107,392	10,075	40	32,228	7,143	1,021	6	703	223	0			
DIST_SEC_SERV	205,811	43,787	4,091	16	9,937	0	147	2	77,440	70,390	0			
CUSTOMER	688,009	579,380	77,192	2,899	26,014	1,132	507	289	0	559	37			
Total	4,032,405	2,282,089	258,958	4,765	832,885	484,050	6,042	567	88,348	74,416	287			

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SW/P&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
ADJOT PROPERTY TAX - OTHER PLANT ADDITIONS														
PROD_DEMAND	3,693,888	1,824,212	203,001	2,507	990,673	651,392	3,181	373	14,030	4,459	59			
PROD_ENERGY	17,607	7,609	891	14	5,095	3,814	20	2	122	39	1			
TRANSMISSION	563,878	317,754	33,664	284	135,554	76,268	312	42	0	0	0			
DIST_SUBS	287,329	183,902	17,199	68	55,153	27,473	1,767	10	1,203	382	171			
DIST_PRIMARY	282,817	189,537	17,788	70	57,048	14,732	1,822	10	1,240	394	176			
DIST_L_XFMR	258,281	174,634	16,383	64	52,408	11,616	1,660	9	1,143	363	0			
DIST_SEC_SERV	334,678	71,204	6,652	26	16,159	0	239	4	125,928	114,465	0			
CUSTOMER	1,118,803	942,157	125,526	4,714	42,302	1,841	824	470	0	908	60			
Total	6,557,280	3,711,010	421,103	7,749	1,354,392	787,136	9,826	921	143,667	121,011	466			
ADJOT PAYROLL TAX														
PROD_DEMAND	(430,991)	(212,843)	(23,685)	(293)	(115,588)	(76,002)	(371)	(44)	(1,637)	(520)	(7)			
PROD_ENERGY	(341,192)	(147,454)	(17,261)	(280)	(98,744)	(73,900)	(379)	(42)	(2,369)	(753)	(10)			
TRANSMISSION	(34,323)	(19,511)	(2,067)	(17)	(8,323)	(4,382)	(19)	(3)	0	0	0			
DIST_SUBS	(20,767)	(13,292)	(1,243)	(5)	(3,986)	(1,986)	(128)	(1)	(87)	(28)	(12)			
DIST_PRIMARY	(32,015)	(21,328)	(2,006)	(8)	(6,446)	(1,817)	(205)	(1)	(140)	(44)	(20)			
DIST_L_XFMR	(4,349)	(2,940)	(276)	(1)	(882)	(196)	(28)	(0)	(19)	(6)	0			
DIST_SEC_SERV	(18,231)	(6,667)	(623)	(2)	(1,513)	0	(22)	(0)	(1,524)	(7,879)	0			
CUSTOMER	(202,188)	(170,583)	(22,734)	(854)	(7,264)	(274)	(153)	(104)	(0)	(208)	(13)			
Total	(1,084,057)	(594,617)	(69,896)	(1,460)	(242,747)	(158,557)	(1,306)	(195)	(5,777)	(9,439)	(62)			
ADJOT REMOVE PAYROLL TAX IN AVIATION ADJ														
PROD_DEMAND	(7,008)	(3,461)	(385)	(5)	(1,879)	(1,236)	(6)	(1)	(27)	(8)	(0)			
PROD_ENERGY	(5,548)	(2,398)	(281)	(5)	(1,606)	(1,202)	(6)	(1)	(39)	(12)	(0)			
TRANSMISSION	(558)	(317)	(34)	(0)	(135)	(71)	(0)	(0)	0	0	0			
DIST_SUBS	(338)	(216)	(20)	(0)	(65)	(32)	(2)	(0)	(1)	(0)	(0)			
DIST_PRIMARY	(521)	(347)	(33)	(0)	(105)	(30)	(3)	(0)	(2)	(1)	(0)			
DIST_L_XFMR	(71)	(48)	(4)	(0)	(14)	(3)	(0)	(0)	(0)	(0)	0			
DIST_SEC_SERV	(296)	(108)	(10)	(0)	(25)	0	(0)	(0)	(25)	(128)	0			
CUSTOMER	(3,287)	(2,774)	(370)	(14)	(118)	(4)	(2)	(2)	(0)	(3)	(0)			
Total	(17,626)	(9,668)	(1,136)	(24)	(3,947)	(2,578)	(21)	(3)	(94)	(153)	(1)			
ADJOT REMOVE EXPIRING OTH TAX - PROD														
PROD_DEMAND	(22,074)	(10,901)	(1,213)	(15)	(5,920)	(3,893)	(19)	(2)	(84)	(27)	(0)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(22,074)	(10,901)	(1,213)	(15)	(5,920)	(3,893)	(19)	(2)	(84)	(27)	(0)			
ADJOT REMOVE EXPIRING OTH TAX - LAB														
PROD_DEMAND	10,643	5,256	585	7	2,854	1,877	9	1	40	13	0			
PROD_ENERGY	8,426	3,641	426	7	2,438	1,825	9	1	59	19	0			
TRANSMISSION	848	482	51	0	206	108	0	0	0	0	0			
DIST_SUBS	513	328	31	0	98	49	3	0	2	1	0			
DIST_PRIMARY	791	527	50	0	159	45	5	0	3	1	0			
DIST_L_XFMR	107	73	7	0	22	5	1	0	0	0	0			
DIST_SEC_SERV	450	165	15	0	37	0	1	0	38	195	0			
CUSTOMER	4,993	4,213	561	21	179	7	4	3	0	5	0			
Total	26,771	14,684	1,726	36	5,995	3,916	32	5	143	233	2			

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SW/P&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADJOT REMOVE MERGER RELATED- PROPERTY TAX												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(52,799)	(30,014)	(3,180)	(27)	(12,804)	(6,741)	(29)	(4)	(3,878)	(1,232)	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(52,799)	(30,014)	(3,180)	(27)	(12,804)	(6,741)	(29)	(4)	(3,878)	(1,232)	0	0
ADJOT PLANT RETIREMENT PROP TAX - PROD												
PROD_DEMAND	(1,020,946)	(504,190)	(56,107)	(693)	(273,810)	(180,037)	(879)	(103)	(3,878)	(1,232)	(16)	(16)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(1,020,946)	(504,190)	(56,107)	(693)	(273,810)	(180,037)	(879)	(103)	(3,878)	(1,232)	0	0
TOTAL OTHER TAX ADJUSTMENTS												
PROD_DEMAND	(1,607,318)	(808,338)	(90,315)	(1,148)	(432,674)	(265,462)	(1,458)	(171)	(5,861)	(1,866)	(25)	(25)
PROD_ENERGY	(422,557)	(204,069)	(23,848)	(388)	(121,527)	(69,054)	(516)	(58)	(2,340)	(747)	(10)	(10)
TRANSMISSION	788,805	444,076	47,047	397	189,442	107,349	436	58	0	0	0	0
DIST_SUBS	425,596	272,399	25,475	100	81,693	40,694	2,618	15	1,782	566	253	253
DIST_PRIMARY	407,438	273,181	25,633	101	82,197	21,076	2,626	15	1,787	568	254	254
DIST_L_XFMR	396,769	268,272	25,168	99	80,509	17,844	2,550	15	1,755	558	0	0
DIST_SEC_SERV	501,639	103,962	9,712	38	23,593	0	349	6	194,041	169,938	0	0
CUSTOMER	1,536,890	1,293,918	172,385	6,474	58,488	2,587	1,127	627	(0)	1,204	80	80
Total	2,027,262	1,643,401	191,257	5,674	(38,278)	(144,966)	7,732	506	191,164	170,221	552	552
OTHER TAXES												
PROD_DEMAND	52,950,955	26,149,622	2,909,962	35,941	14,201,048	9,337,538	45,604	5,353	201,123	63,919	845	845
PROD_ENERGY	8,104,213	3,502,415	410,000	6,644	2,345,417	1,755,327	9,010	999	56,278	17,886	236	236
TRANSMISSION	8,994,154	5,101,562	540,479	4,563	2,176,323	1,165,549	5,012	667	0	0	0	0
DIST_SUBS	3,881,731	2,484,470	232,350	916	745,097	371,155	23,878	135	16,255	5,166	2,308	2,308
DIST_PRIMARY	4,088,625	2,737,135	256,990	1,009	824,461	216,433	26,307	149	17,908	5,691	2,543	2,543
DIST_L_XFMR	3,157,935	2,135,209	200,316	787	640,779	142,021	20,298	116	13,970	4,440	0	0
DIST_SEC_SERV	4,383,522	997,130	93,150	368	226,291	0	3,351	54	1,525,903	1,537,274	0	0
CUSTOMER	17,952,740	15,125,864	2,015,427	75,692	669,675	28,137	13,320	7,994	0	15,611	1,020	1,020
Total	103,513,875	58,233,408	6,658,674	125,920	21,829,091	13,016,160	146,781	15,467	1,831,436	1,649,986	6,952	6,952



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - OPER. EXPENSE														
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
ITC - GENERAL RELATED	PROD_DEMAND	(12,369)	(6,108)	(680)	(8)	(3,317)	(2,181)	(11)	(1)	(47)	(15)	(0)		
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)		
	TRANSMISSION	(8,647)	(4,876)	(517)	(4)	(2,080)	(1,164)	(5)	(1)	0	0	0		
	DIST_SUBS	(4,474)	(2,864)	(268)	(1)	(859)	(428)	(28)	(0)	(19)	(6)	(3)		
	DIST_PRIMARY	(4,642)	(3,109)	(292)	(1)	(936)	(245)	(30)	(0)	(20)	(6)	(3)		
	DIST_L_XFMR	(3,726)	(2,519)	(236)	(1)	(756)	(168)	(24)	(0)	(16)	(5)	0		
	DIST_SEC_SERV	(5,088)	(1,140)	(107)	(0)	(259)	0	(4)	(0)	(1,804)	(1,774)	0		
	CUSTOMER	(22,987)	(19,395)	(2,585)	(97)	(830)	(32)	(17)	(10)	(0)	(21)	0		
	Total	(69,221)	(43,160)	(5,052)	(119)	(11,146)	(5,796)	(125)	(14)	(1,958)	(1,843)	(7)		
	ITC - HARRIS DISALLOW - NCR	213,806	105,587	11,750	145	57,341	37,703	184	22	812	258	3		
ADI INVESTMENT TAX CREDITS	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
	Total	0	0	0	0	0	0	0	0	0	0	0		
	ITC - HARRIS DISALLOW - SCR	0	0	0	0	0	0	0	0	0	0	0		
	ITC - HARRIS DISALLOW - WHSLE	0	0	0	0	0	0	0	0	0	0	0		
TOTAL ADJ OPER EXPENSE	PROD_DEMAND	(1,542,806)	(761,909)	(84,786)	(1,047)	(413,769)	(272,063)	(1,329)	(156)	(5,860)	(1,862)	(25)		
	PROD_ENERGY	(7,286)	(3,149)	(369)	(6)	(2,109)	(1,578)	(8)	(1)	(51)	(16)	(0)		
	TRANSMISSION	(159,597)	(89,937)	(9,528)	(80)	(38,367)	(21,585)	(88)	(12)	0	0	0		
	DIST_SUBS	(50,153)	(32,100)	(3,002)	(12)	(9,627)	(4,795)	(309)	(2)	(210)	(67)	(30)		
	DIST_PRIMARY	(49,509)	(33,178)	(3,114)	(12)	(9,987)	(2,581)	(319)	(2)	(217)	(69)	(31)		
	DIST_L_XFMR	(44,906)	(30,363)	(2,848)	(11)	(9,112)	(2,020)	(289)	(2)	(199)	(63)	0		
	DIST_SEC_SERV	(58,344)	(12,448)	(1,163)	(5)	(2,825)	0	(42)	(1)	(21,887)	(19,975)	0		
	CUSTOMER	(198,632)	(167,292)	(22,289)	(837)	(7,487)	(323)	(146)	(84)	(21,887)	(19,975)	(11)		
	Total	(2,111,234)	(1,130,375)	(127,099)	(2,011)	(493,281)	(304,946)	(2,529)	(258)	(28,423)	(22,215)	(96)		
	PROD_DEMAND	914,974,563	448,601,814	50,488,172	598,089	250,368,127	159,122,136	822,322	89,536	3,788,307	1,081,081	14,979		
TOTAL ADJ OPER EXPENSE	PROD_ENERGY	1,446,410,758	625,680,583	75,127,189	1,216,341	452,420,645	276,512,134	1,817,492	180,210	10,213,388	3,199,532	43,243		
	TRANSMISSION	103,356,665	57,794,280	6,267,899	48,472	26,150,582	13,025,617	62,661	7,154	0	0	0		
	DIST_SUBS	49,199,027	31,112,507	2,965,955	10,877	9,853,413	4,598,779	324,622	1,615	237,557	63,139	30,564		
	DIST_PRIMARY	87,630,489	57,895,509	5,514,378	20,591	18,144,671	4,866,860	589,039	3,049	422,073	118,415	55,903		
	DIST_L_XFMR	35,375,234	23,488,725	2,257,188	8,102	7,539,090	1,600,972	247,007	1,205	185,586	47,359	0		
	DIST_SEC_SERV	73,214,214	19,142,399	1,813,692	6,789	4,536,354	0	68,401	1,006	24,581,915	23,063,659	0		
	CUSTOMER	394,506,071	331,986,164	44,717,838	1,608,390	14,542,626	725,265	292,413	186,094	12,982	411,041	23,258		
	Total	3,104,667,021	1,595,701,982	189,152,312	3,517,649	783,555,507	460,451,763	4,223,957	469,870	39,441,808	27,984,226	167,947		

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Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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PRODUCTION PLANT IN SERVICE:											
PRODUCTION PLANT	10,659,392,763	5,264,099,426	585,795,443	7,235,206	2,858,769,051	1,879,710,855	9,180,476	1,077,591	40,487,383	12,867,271	170,061
CONTRA AFUDC - WHS	0	0	0	0	0	0	0	0	0	0	0
CONTRA AFUDC - NC RETAIL	(321,021,266)	(158,535,096)	(17,641,980)	(217,897)	(86,095,492)	(56,609,900)	(276,482)	(32,453)	(1,219,329)	(387,514)	(5,122)
CONTRA AFUDC - SC RETAIL	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - NC	(387,936,216)	(191,580,783)	(21,319,345)	(263,317)	(104,041,578)	(68,409,893)	(334,113)	(39,218)	(1,473,491)	(468,289)	(6,189)
HARRIS DISALLOWANCE - SC	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - WHS	0	0	0	0	0	0	0	0	0	0	0
HARRIS DISALLOWANCE - PA	0	0	0	0	0	0	0	0	0	0	0
PRODUCTION PLANT - OTHER NC	(11,032,277)	(5,448,247)	(606,288)	(7,488)	(2,958,774)	(1,945,466)	(9,502)	(1,115)	(41,904)	(13,317)	(176)
CWIP IN RATE BASE - NC RETAIL	102,930,000	50,831,578	5,656,600	69,865	27,605,053	18,151,000	88,649	10,406	390,957	124,250	1,642

TOTAL PRODUCTION PLANT	10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,896,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216
PROD_DEMAND	10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,896,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	10,042,333,004	4,959,366,878	551,884,431	6,816,369	2,693,278,260	1,770,896,596	8,649,029	1,015,210	38,143,616	12,122,400	160,216

TRANSMISSION PLANT IN SERVICE:											
TRANSMISSION PLANT - TRAN	1,492,257,550	848,275,929	89,869,598	758,804	361,874,006	190,535,012	833,346	110,856	0	0	0
TRANSMISSION PLANT - PROD	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
TRANS PLANT - OATT CONTRA	0	0	0	0	0	0	0	0	0	0	0
TRANS PLANT - ADD FAC RETAIL	13,112,031	0	0	0	0	13,112,031	0	0	0	0	0
TRANS PLANT - ADD FAC WHSLE/PA	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION PLANT - FERCMIT REL	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION PLANT	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
PROD_DEMAND	115,773,221	57,174,153	6,362,410	78,583	31,049,508	20,415,814	99,710	11,704	439,739	139,753	1,847
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	1,505,369,581	848,275,929	89,869,598	758,804	361,874,006	203,647,043	833,346	110,856	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,621,142,803	905,450,081	96,232,008	837,387	392,923,514	224,062,857	933,057	122,560	439,739	139,753	1,847

DISTRIBUTION PLANT IN SERVICE

SUBSTATIONS:

SUBSTATIONS - RETAIL	755,308,217	490,669,122	45,887,825	180,868	147,152,526	61,989,075	4,715,814	26,631	3,210,223	1,020,239	455,894
SUBSTATIONS - ADD FAC RETAIL	11,312,055	0	0	0	0	11,312,055	0	0	0	0	0
SUBSTATIONS - ADD FAC WHS	0	0	0	0	0	0	0	0	0	0	0

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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
TOTAL DIST SUBSTATIONS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894	0
OVERHEAD LINES:												
PRIMARY POLES - CUSTOMER	358,800,145	305,725,643	40,779,623	1,531,446	9,865,865	60,127	216,813	198,724	0	402,033	19,872	0
PRIMARY POLES - DEMAND	133,226,174	90,065,400	8,422,999	33,199	26,944,216	6,029,645	865,617	4,888	589,257	187,271	83,682	0
SECONDARY POLES - CUSTOMER	126,213,352	107,926,930	14,391,570	540,629	3,107,877	0	34,267	70,153	0	141,925	0	0
SECONDARY POLES - DEMAND	46,864,312	35,163,198	3,284,874	12,962	7,980,020	0	118,180	1,908	230,057	73,114	0	0
PRIMARY CONDUCTOR - CUST	567,248,947	483,340,242	64,470,983	2,421,156	15,597,546	95,058	342,772	314,174	0	635,599	31,417	0
PRIMARY CONDUCTOR - DEMAND	227,582,763	153,853,645	14,388,534	56,713	46,027,285	10,300,103	1,478,685	8,350	1,006,594	319,905	142,950	0
PRIMARY COND - ADDL FAC RETAIL	6,499,826	72	164,984	0	916,200	5,418,570	0	0	0	0	0	0
PRIMARY COND - ADDL FAC WHSL	0	0	0	0	0	0	0	0	0	0	0	0
SECONDARY COND - CUSTOMER	105,432,830	90,157,194	12,022,056	451,617	2,596,177	0	28,625	58,603	0	118,558	0	0
SECONDARY COND - DEMAND	43,809,771	32,871,316	3,070,771	12,117	7,459,895	0	110,477	1,784	215,062	68,349	0	0
TOTAL DIST OVERHEAD LINES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	367,308,764	243,919,116	22,976,516	89,912	73,887,702	21,748,318	2,344,303	13,239	1,595,850	507,176	226,632	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	90,674,083	68,034,514	6,355,645	25,079	15,439,915	0	228,657	3,693	445,119	141,463	0	0
CUSTOMER	1,157,695,274	987,150,008	131,664,232	4,944,848	31,167,465	155,185	622,477	641,654	0	1,298,115	51,290	0
Total	1,615,678,121	1,299,103,638	160,996,393	5,059,839	120,495,082	21,903,503	3,195,436	658,585	2,040,969	1,946,754	277,922	0
UNDERGROUND LINES:												
U/G LINES - PRIMARY CUSTOMER	438,829,020	373,916,471	49,875,347	1,873,029	12,066,405	73,538	265,172	243,048	0	491,705	24,305	0
U/G LINES - SECONDARY CUSTOMER	193,626,172	165,572,643	22,078,367	829,389	4,767,850	0	52,570	107,623	0	217,730	0	0
U/G LINES - PRIMARY DEMAND	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251	0
U/G LINES - SECONDARY DEMAND	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0	0
TOTAL DIST UNDGRND LINES												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	385,675,324	260,729,562	24,383,667	96,109	78,000,583	17,455,169	2,505,868	14,151	1,705,834	542,130	242,251	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	162,245,159	121,735,673	11,372,297	44,874	27,626,984	0	409,140	6,607	796,461	253,123	0	0
CUSTOMER	632,455,192	539,489,114	71,953,714	2,702,418	16,834,255	73,538	317,742	350,671	0	709,435	24,305	0
Total	1,180,375,674	921,954,349	107,709,679	2,843,400	122,461,822	17,528,706	3,232,750	371,430	2,502,294	1,504,688	266,556	0

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC							
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS

LINE TRANSFORMERS:

LINE TRANS - DEMAND	686,948,709	467,279,604	43,698,238	172,246	139,454,548	27,847,694	4,442,217	25,361	3,057,196	971,606	0	0
LINE TRANS - CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656	0
LINE TRANS - ADDL FAC RET	4,149,361	61	139,840	0	776,571	3,232,889	0	0	0	0	0	0
LINE TRANS - ADDL FAC WHS	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST LINE TRANSFRMS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	333,123,985	283,871,140	37,863,584	1,421,972	9,157,538	51,097	199,185	184,518	0	373,294	1,656	0
Total	1,024,222,055	751,150,804	81,701,662	1,594,218	149,388,657	31,131,680	4,641,402	209,880	3,057,196	1,344,900	1,656	0

SERVICES:

SERVICES - ALLOCATED	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0	0
SERVICES - DIRECT ASSIGN RES	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST SERVICES	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0	0
Total	596,017,247	510,483,590	68,070,690	2,557,123	14,699,947	0	162,080	43,817	0	0	0	0

METERS:

METERS - RETAIL	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	0	79,855
METERS - WHS	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL DIST METERS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	0	79,855
Total	228,491,897	161,120,788	21,142,841	793,542	39,861,495	4,608,537	871,240	13,598	0	0	0	79,855

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
STREET LIGHTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	305,063,146	0	0	0	0	0	0	0	0	305,063,146	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	305,063,146	0	0	0	0	0	0	0	0	0	305,063,146	0
AREA LIGHTS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	335,794,236	0	0	0	0	0	0	0	0	335,794,236	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	335,794,236	0	0	0	0	0	0	0	0	0	335,794,236	0
DISTR PLANT SUBTOTAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894
	DIST_PRIMARY	752,984,087	504,648,678	47,360,183	186,021	151,888,285	39,203,487	4,850,171	27,390	3,301,684	1,049,306	468,883
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606	0
	DIST_SEC_SERV	893,776,624	189,770,186	17,727,942	69,952	43,066,899	0	637,797	10,300	337,035,815	305,457,732	0
CUSTOMER	2,947,783,595	2,482,114,639	330,695,062	12,419,904	111,720,701	4,888,357	2,172,724	1,234,258	0	2,380,845	157,106	
Total	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	
TOTAL DISTRIBUTION PLANT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	766,620,272	490,669,122	45,887,825	180,868	147,152,526	73,301,129	4,715,814	26,631	3,210,223	1,020,239	455,894
	DIST_PRIMARY	752,984,087	504,648,678	47,360,183	186,021	151,888,285	39,203,487	4,850,171	27,390	3,301,684	1,049,306	468,883
	DIST_L_XFMR	691,098,070	467,279,664	43,838,078	172,246	140,231,119	31,080,583	4,442,217	25,361	3,057,196	971,606	0
	DIST_SEC_SERV	893,776,624	189,770,186	17,727,942	69,952	43,066,899	0	637,797	10,300	337,035,815	305,457,732	0
CUSTOMER	2,947,783,595	2,482,114,639	330,695,062	12,419,904	111,720,701	4,888,357	2,172,724	1,234,258	0	2,380,845	157,106	
Total	6,052,262,648	4,134,482,291	485,509,090	13,028,991	594,059,530	148,473,556	16,818,723	1,323,940	346,604,918	310,879,728	1,081,883	



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

GENERAL PLANT:

GENERAL PLANT - PROD		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
PROD_DEMAND	17,122,557	8,455,908	940,984	11,622	4,592,141	3,019,446	14,747	1,731	65,036	20,669	273		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	17,122,557	8,455,908	940,984	11,622	4,592,141	3,019,446	14,747	1,731	65,036	20,669	273		

GENERAL PLANT - T/D

PROD_DEMAND	4,077,586	2,013,700	224,087	2,768	1,093,578	719,054	3,512	412	15,488	4,922	65		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	53,019,810	29,876,669	3,165,249	26,725	12,745,369	7,172,543	29,351	3,904	113,066	35,933	16,057		
DIST_SUBS	27,000,719	17,281,593	1,616,190	6,370	5,182,780	2,581,700	166,093	938	116,287	36,957	16,514		
DIST_PRIMARY	26,520,447	17,773,959	1,668,047	6,552	5,349,575	1,380,765	170,825	965	107,676	34,220	0		
DIST_L_XFMR	24,340,792	16,457,805	1,543,997	6,067	4,939,005	1,094,672	156,457	893	107,676	34,220	0		
DIST_SEC_SERV	31,479,225	6,683,793	624,386	2,464	1,516,836	0	22,464	363	11,870,557	10,758,362	0		
CUSTOMER	103,822,297	87,421,221	11,647,232	437,435	3,934,855	172,170	76,524	43,471	0	83,854	5,533		
Total	270,260,876	177,508,741	20,489,190	488,380	34,761,998	13,120,904	625,226	50,946	12,223,073	10,954,249	38,169		

GENERAL PLANT - CUST/SALES

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177		
Total	21,246,971	18,103,468	2,414,755	90,684	584,265	4,209	12,839	11,767	0	23,806	1,177		

GENERAL PLANT - LABOR

PROD_DEMAND	61,659,935	30,450,518	3,388,571	41,853	16,536,731	10,873,307	53,105	6,233	234,202	74,432	984		
DIST_SUBS	2,971,089	1,901,621	177,841	701	570,300	284,083	18,276	103	12,441	3,954	1,767		
DIST_PRIMARY	4,580,271	3,051,291	287,054	1,125	922,242	259,925	29,326	166	19,963	6,344	2,835		
DIST_L_XFMR	622,132	420,649	39,463	155	126,237	27,979	3,999	23	2,752	875	0		
DIST_SEC_SERV	2,608,263	953,756	89,098	352	216,448	0	3,205	52	218,093	1,127,259	0		
CUSTOMER	28,926,164	24,404,513	3,252,493	122,145	1,039,243	39,190	21,947	14,889	0	29,826	1,918		
Total	155,091,156	85,069,254	9,999,738	208,844	34,728,779	22,684,052	186,872	27,849	826,422	1,350,418	8,927		

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	COS DETAIL - RATE BASE												SFL
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC		
TOTAL GENERAL PLANT	PROD_DEMAND	82,860,078	40,920,126	4,553,642	56,242	22,222,450	14,611,807	71,364	8,377	314,726	100,023	1,322	
	PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	
	TRANSMISSION	57,930,229	32,668,003	3,460,973	29,222	13,936,151	7,799,517	32,093	4,269	0	0	0	
	DIST_SUBS	29,971,808	19,183,214	1,794,032	7,071	5,753,079	2,865,783	184,370	1,041	125,507	39,887	17,824	
	DIST_PRIMARY	31,100,718	20,825,250	1,955,101	7,676	6,271,817	1,640,690	200,151	1,130	136,250	43,302	19,349	
	DIST_L_XFMR	24,962,924	16,878,454	1,583,461	6,222	5,065,242	1,122,651	160,456	916	110,428	35,095	0	
	DIST_SEC_SERV	34,087,487	7,637,550	713,484	2,815	1,733,284	0	25,669	415	12,088,649	11,885,621	0	
	CUSTOMER	153,995,431	129,929,202	17,314,481	650,264	5,558,363	215,569	111,310	70,127	0	137,487	8,628	
Total	463,721,560	289,137,371	33,844,666	799,531	74,667,183	38,828,611	839,683	92,294	13,114,531	12,349,143	48,547		
TOTAL TANGIBLE PLANT	PROD_DEMAND	10,240,966,304	5,057,461,156	562,800,483	6,951,194	2,746,550,219	1,805,924,217	8,820,104	1,035,291	38,898,081	12,362,176	163,385	
	PROD_ENERGY	48,812,883	21,095,571	2,469,493	40,017	14,126,796	10,572,594	54,271	6,019	338,971	107,728	1,424	
	TRANSMISSION	1,563,299,810	880,943,932	93,330,572	788,027	375,810,156	211,446,559	865,439	115,125	0	0	0	
	DIST_SUBS	796,592,080	509,852,337	47,681,857	187,939	152,905,605	76,166,912	4,900,184	27,672	3,335,730	1,060,126	473,718	
	DIST_PRIMARY	784,084,805	525,473,928	49,315,284	193,697	158,160,102	40,844,177	5,050,322	28,520	3,437,934	1,092,608	488,232	
	DIST_L_XFMR	716,060,995	484,158,118	45,421,539	178,468	145,296,361	32,203,234	4,602,672	26,278	3,167,624	1,006,701	0	
	DIST_SEC_SERV	927,864,111	197,407,736	18,441,426	72,767	44,800,183	0	663,466	10,714	349,124,465	317,343,353	0	
	CUSTOMER	3,101,779,026	2,612,043,842	348,009,542	13,070,168	117,279,064	5,103,926	2,284,034	1,304,385	0	2,518,331	165,734	
Total	18,179,460,015	10,288,436,620	1,167,470,195	21,482,277	3,754,928,487	2,182,261,619	27,240,492	2,554,003	398,302,804	335,491,023	1,292,493		
INTANGIBLE PLT	PROD_DEMAND	200,218,892	98,877,317	11,003,189	135,901	53,697,203	35,307,229	172,440	20,241	760,488	241,690	3,194	
	PROD_ENERGY	954,330	412,435	48,281	782	276,190	206,702	1,061	118	6,627	2,106	28	
	TRANSMISSION	30,563,733	17,223,142	1,824,686	15,407	7,347,382	4,133,945	16,920	2,251	0	0	0	
	DIST_SUBS	15,573,998	9,968,012	932,218	3,674	2,989,424	1,489,123	95,802	541	65,216	20,726	9,262	
	DIST_PRIMARY	15,329,471	10,273,426	964,152	3,787	3,092,154	798,536	98,738	558	67,214	21,361	9,545	
	DIST_L_XFMR	13,999,552	9,465,669	888,027	3,489	2,840,657	629,598	89,986	514	61,930	19,682	0	
	DIST_SEC_SERV	18,140,468	3,859,475	360,544	1,423	875,879	0	12,971	209	6,825,656	6,204,310	0	
	CUSTOMER	60,642,203	51,067,498	6,803,858	255,532	2,292,897	99,786	44,655	25,502	0	49,235	3,240	
Total	355,422,647	201,146,974	22,824,954	419,995	73,411,786	42,664,920	532,573	49,933	7,787,131	6,559,112	25,269		
BOOK PLANT IN SERVICE	PROD_DEMAND	10,441,185,196	5,156,338,473	573,803,672	7,087,095	2,800,247,422	1,841,231,446	8,992,544	1,055,531	39,658,569	12,603,866	166,580	
	PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	6,136	345,598	109,834	1,452	
	TRANSMISSION	1,593,863,543	898,167,074	95,155,257	803,433	383,157,539	215,580,505	882,359	117,376	0	0	0	
	DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,029	77,656,035	4,995,986	28,213	3,400,946	1,080,853	482,979	
	DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	5,149,060	29,078	3,505,148	1,113,969	497,777	
	DIST_L_XFMR	730,060,547	493,623,788	46,309,565	181,957	148,137,019	32,832,832	4,692,658	26,791	3,229,553	1,026,382	0	
	DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	0	
	CUSTOMER	3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	0	2,567,567	168,974	
Total	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762		

**DUKE ENERGY PROGRESS, LLC**  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL

RESERVE FOR DEPRECIATION

PRODUCTION FUNCTION:

DPR PRODUCTION RELATED	(4,493,833,278)	(2,219,261,988)	(246,962,197)	(3,050,250)	(1,205,212,321)	(792,456,698)	(3,870,345)	(454,295)	(17,068,847)	(5,424,640)	(71,695)
DPR NUCLEAR DECOMM. - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF SC RETAIL-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF WHOLESALE-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR RATE DIFF - NCEMPA -PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC NC RET-PROD	238,121,493	117,595,368	13,086,157	161,628	63,862,395	41,991,093	205,084	24,072	904,453	287,444	3,799
DPR CONTRA AFUDC SC RET-PROD	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC WHS - PROD	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NC	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - SC	254,433,596	125,651,036	13,982,601	172,700	68,237,179	44,867,621	219,133	25,721	966,411	307,134	4,059
DPR HARRIS DISALLOW. - WHS	0	0	0	0	0	0	0	0	0	0	0
DPR HARRIS DISALLOW. - NCEMPA	0	0	0	0	0	0	0	0	0	0	0
DPR OTHER NC RETAIL SPECIFIC - PROD	(340,104,938)	(167,959,493)	(18,690,739)	(230,851)	(91,213,589)	(59,975,175)	(292,918)	(34,382)	(1,291,815)	(410,551)	(5,426)
DPR OTHER SC RETAIL SPECIFIC - PROD	0	0	0	0	0	0	0	0	0	0	0

TOTAL PRODUCTION RESERVE	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)
PROD_DEMAND	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(4,341,383,127)	(2,143,975,078)	(238,584,177)	(2,946,772)	(1,164,326,336)	(765,573,159)	(3,739,047)	(438,884)	(16,489,799)	(5,240,613)	(69,263)

TRANSMISSION FUNCTION:

DPR TRANS RELATED - PROD	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
DPR TRANS RELATED - TRANS	(445,657,941)	(253,334,891)	(26,839,268)	(226,615)	(108,072,513)	(56,902,671)	(248,876)	(33,107)	0	0	0
DPR TRANS RELATED - FERC MIT REL	0	0	0	0	0	0	0	0	0	0	0
DPR CONTRA AFUDC - OATT	0	0	0	0	0	0	0	0	0	0	0

TOTAL TRANSMISSION RESERVE	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
PROD_DEMAND	(36,328,942)	(17,940,906)	(1,996,486)	(24,659)	(9,743,149)	(6,406,360)	(31,289)	(3,673)	(137,988)	(43,854)	(580)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	(445,657,941)	(253,334,891)	(26,839,268)	(226,615)	(108,072,513)	(56,902,671)	(248,876)	(33,107)	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(481,986,883)	(271,275,797)	(28,835,754)	(251,273)	(117,815,663)	(63,309,031)	(280,165)	(36,779)	(137,988)	(43,854)	(580)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

DISTRIBUTION FUNCTION:

DPR DISTRIBUTION RELATED

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)
DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)
DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0
DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0
CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)

TOTAL DISTRIBUTION RESERVE

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(357,122,324)	(228,573,263)	(21,376,381)	(84,256)	(68,549,520)	(34,146,592)	(2,196,815)	(12,406)	(1,495,450)	(475,268)	(212,374)
DIST_PRIMARY	(350,770,045)	(235,085,498)	(22,062,264)	(86,656)	(70,755,626)	(18,262,549)	(2,259,403)	(12,759)	(1,538,056)	(488,809)	(218,424)
DIST_L_XFMR	(321,941,068)	(217,677,520)	(20,421,527)	(80,239)	(65,325,253)	(14,478,576)	(2,069,362)	(11,814)	(1,424,164)	(452,613)	0
DIST_SEC_SERV	(416,356,829)	(88,402,528)	(8,258,383)	(32,586)	(20,062,281)	0	(297,111)	(4,798)	(157,004,736)	(142,294,405)	0
CUSTOMER	(1,373,195,265)	(1,156,268,078)	(154,050,960)	(5,785,687)	(52,043,962)	(2,277,192)	(1,012,142)	(574,967)	0	(1,109,093)	(73,186)
Total	(2,819,385,531)	(1,926,006,888)	(226,169,514)	(6,069,424)	(276,736,642)	(69,164,909)	(7,834,833)	(616,744)	(161,462,406)	(144,820,187)	(503,984)

GENERAL FUNCTION:

DPR GENERAL RELATED

PROD_DEMAND	(22,083,441)	(10,905,821)	(1,213,613)	(14,989)	(5,922,613)	(3,894,263)	(19,020)	(2,232)	(83,879)	(26,658)	(352)
PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)
TRANSMISSION	(15,439,266)	(8,706,508)	(922,401)	(7,788)	(3,714,191)	(2,078,687)	(8,553)	(1,138)	0	0	0
DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)
DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)
DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0
DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0
CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)
Total	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)

TOTAL GENERAL RESERVE

PROD_DEMAND	(22,083,441)	(10,905,821)	(1,213,613)	(14,989)	(5,922,613)	(3,894,263)	(19,020)	(2,232)	(83,879)	(26,658)	(352)
PROD_ENERGY	(13,009,358)	(5,622,283)	(658,156)	(10,665)	(3,765,001)	(2,817,753)	(14,464)	(1,604)	(90,341)	(28,711)	(379)
TRANSMISSION	(15,439,266)	(8,706,508)	(922,401)	(7,788)	(3,714,191)	(2,078,687)	(8,553)	(1,138)	0	0	0
DIST_SUBS	(7,987,932)	(5,112,611)	(478,136)	(1,885)	(1,533,281)	(763,774)	(49,137)	(277)	(33,449)	(10,631)	(4,750)
DIST_PRIMARY	(8,288,803)	(5,550,238)	(521,064)	(2,046)	(1,671,532)	(437,268)	(53,343)	(301)	(36,313)	(11,541)	(5,157)
DIST_L_XFMR	(6,652,990)	(4,498,358)	(422,016)	(1,658)	(1,349,962)	(299,203)	(42,764)	(244)	(29,431)	(9,353)	0
DIST_SEC_SERV	(9,084,821)	(2,035,520)	(190,154)	(750)	(461,946)	0	(6,841)	(110)	(3,221,804)	(3,167,694)	0
CUSTOMER	(41,042,068)	(34,628,061)	(4,614,566)	(173,305)	(1,481,386)	(57,452)	(29,666)	(18,690)	(0)	(36,642)	(2,300)
Total	(123,588,677)	(77,059,400)	(9,020,106)	(213,087)	(19,899,912)	(10,348,401)	(223,788)	(24,598)	(3,495,217)	(3,291,230)	(12,938)

DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"

NORTH CAROLINA RETAIL COST OF SERVICE STUDY

TEST YEAR ENDING DECEMBER 31 2018

### Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

Rate Base NC - 3

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
BOOK PLANT IN SERVICE	PROD_DEMAND	10,441,185,196	5,156,338,473	573,803,672	7,087,095	2,800,247,422	1,841,231,446	8,992,544	1,055,531	39,658,569	12,603,866	166,580		
	PROD_ENERGY	49,767,213	21,508,006	2,517,773	40,799	14,402,986	10,779,297	55,332	6,136	345,598	109,834	1,452		
	TRANSMISSION	1,593,863,543	898,167,074	95,155,257	803,433	383,157,539	215,580,505	882,359	117,376	0	0	0		
	DIST_SUBS	812,166,078	519,820,348	48,614,075	191,614	155,895,029	77,656,035	4,995,986	28,213	3,400,946	1,080,853	482,979		
	DIST_PRIMARY	799,414,275	535,747,354	50,279,437	197,484	161,252,255	41,642,712	5,149,060	29,078	3,505,148	1,113,969	497,777		
	DIST_L_XFMR	730,060,547	493,623,788	46,309,565	181,957	148,137,019	32,832,832	4,692,658	26,791	3,229,553	1,026,382	0		
	DIST_SEC_SERV	946,004,580	201,267,212	18,801,971	74,190	45,676,062	0	676,437	10,924	355,950,121	323,547,664	0		
	CUSTOMER	3,162,421,229	2,663,111,340	354,813,401	13,325,700	119,571,961	5,203,711	2,328,689	1,329,887	0	2,567,567	168,974		
	Total	18,534,882,661	10,489,583,594	1,190,295,150	21,902,273	3,828,340,272	2,224,926,539	27,773,065	2,603,936	406,089,935	342,050,135	1,317,762		
	PLANT IN SERVICE ADJUSTMENTS:													
	ADJPLT DSDR TRANSMISSION													
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	(357,191)	(203,046)	(21,511)	(182)	(86,619)	(45,607)	(199)	(27)	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0		
Total	(357,191)	(203,046)	(21,511)	(182)	(86,619)	(45,607)	(199)	(27)	0	0	0	0		
ADJPLT DSDR DISTRIBUTION														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	(18,241,808)	(11,675,522)	(1,091,905)	(4,304)	(3,501,509)	(1,744,208)	(112,213)	(634)	(76,388)	(24,277)	(10,848)	(11,157)		
DIST_PRIMARY	(17,917,333)	(12,008,167)	(1,126,940)	(4,426)	(3,614,197)	(932,851)	(115,410)	(652)	(78,564)	(24,968)	(23,119)	(11,157)		
DIST_L_XFMR	(16,444,749)	(11,118,967)	(1,043,132)	(4,099)	(3,336,814)	(739,566)	(105,703)	(603)	(72,746)	(23,119)	(23,119)	(11,157)		
DIST_SEC_SERV	(21,267,506)	(4,515,601)	(421,838)	(1,665)	(1,024,781)	0	(15,176)	(245)	(8,019,802)	(7,268,398)	0	0		
CUSTOMER	(70,142,812)	(59,062,171)	(7,868,923)	(295,533)	(2,658,405)	(116,319)	(51,700)	(29,369)	0	(56,652)	(3,738)	(3,738)		
Total	(144,014,208)	(98,380,429)	(11,552,738)	(310,026)	(4,135,707)	(3,532,943)	(400,203)	(31,503)	(8,247,499)	(7,397,415)	(25,744)	(25,744)		
ADJPLT DSDR GENERAL														
PROD_DEMAND	(2,261,128)	(1,116,649)	(124,262)	(1,535)	(606,417)	(398,734)	(1,947)	(229)	(8,588)	(2,729)	(36)	(36)		
PROD_ENERGY	(1,332,031)	(575,667)	(67,389)	(1,092)	(385,499)	(288,510)	(1,481)	(164)	(9,250)	(2,940)	(39)	(39)		
TRANSMISSION	(1,580,829)	(891,461)	(94,445)	(797)	(380,297)	(212,837)	(876)	(116)	0	0	0	0		
DIST_SUBS	(817,886)	(523,481)	(48,956)	(193)	(156,993)	(78,203)	(5,031)	(28)	(3,425)	(1,088)	(486)	(486)		
DIST_PRIMARY	(848,692)	(568,290)	(53,352)	(209)	(171,149)	(44,772)	(5,462)	(31)	(3,718)	(1,182)	(528)	(528)		
DIST_L_XFMR	(681,201)	(460,588)	(43,210)	(170)	(138,223)	(30,635)	(4,379)	(25)	(3,013)	(958)	0	0		
DIST_SEC_SERV	(930,197)	(208,417)	(19,470)	(77)	(47,299)	0	(700)	(11)	(329,881)	(324,341)	0	0		
CUSTOMER	(4,202,305)	(3,545,574)	(472,486)	(17,745)	(151,679)	(5,883)	(3,037)	(1,914)	(0)	(3,752)	(235)	(235)		
Total	(12,654,267)	(7,890,126)	(923,570)	(21,818)	(2,037,556)	(1,059,575)	(22,914)	(2,519)	(357,876)	(336,990)	(1,325)	(1,325)		
ADJPLT DSDR INTANGIBLE														
PROD_DEMAND	(12,468,797)	(6,157,667)	(685,233)	(8,463)	(3,344,038)	(2,198,787)	(10,739)	(1,261)	(47,360)	(15,051)	(199)	(199)		
PROD_ENERGY	(59,432)	(25,685)	(3,007)	(49)	(17,200)	(12,873)	(66)	(7)	(413)	(131)	(2)	(2)		
TRANSMISSION	(1,903,382)	(1,072,585)	(113,634)	(959)	(457,564)	(257,445)	(1,054)	(140)	0	0	0	0		
DIST_SUBS	(969,884)	(620,766)	(58,055)	(229)	(186,169)	(92,736)	(5,966)	(34)	(4,061)	(1,291)	(577)	(577)		
DIST_PRIMARY	(954,655)	(639,786)	(60,043)	(236)	(192,566)	(49,729)	(6,149)	(35)	(4,186)	(1,330)	(594)	(594)		
DIST_L_XFMR	(871,834)	(589,482)	(55,303)	(217)	(176,904)	(39,209)	(5,604)	(32)	(3,857)	(1,226)	0	0		
DIST_SEC_SERV	(1,129,713)	(240,352)	(22,453)	(89)	(54,546)	0	(808)	(13)	(425,073)	(386,379)	0	0		
CUSTOMER	(3,776,543)	(3,180,271)	(423,716)	(15,913)	(142,792)	(6,214)	(2,781)	(1,588)	(0)	(3,066)	(202)	(202)		
Total	(22,134,240)	(12,526,594)	(1,421,443)	(26,156)	(4,571,780)	(2,656,993)	(33,166)	(3,110)	(484,950)	(408,474)	(1,574)	(1,574)		



DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 12.19 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADPLT REMOVE JAAR EPIS												
PROD_DEMAND	(763,193,785)	(376,900,266)	(41,941,924)	(518,028)	(204,682,839)	(134,583,993)	(657,306)	(77,154)	(2,898,825)	(921,274)	(12,176)	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	(763,193,785)	(376,900,266)	(41,941,924)	(518,028)	(204,682,839)	(134,583,993)	(657,306)	(77,154)	(2,898,825)	(921,274)	(12,176)	
ADPLT ADDITIONS TO EPIS PROD												
PROD_DEMAND	850,542,876	420,037,273	46,742,263	577,317	228,109,209	149,987,407	732,536	85,984	3,230,602	1,026,716	13,570	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	850,542,876	420,037,273	46,742,263	577,317	228,109,209	149,987,407	732,536	85,984	3,230,602	1,026,716	13,570	
ADPLT ADDITIONS TO EPIS TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	166,473,461	94,632,076	10,025,684	84,651	40,369,987	21,255,730	92,967	12,367	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	166,473,461	94,632,076	10,025,684	84,651	40,369,987	21,255,730	92,967	12,367	0	0	0	0
ADPLT ADDITIONS TO EPIS DIST												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	92,819,527	59,408,390	5,555,927	21,899	17,816,680	8,875,028	570,973	3,224	388,682	123,527	55,198	
DIST_PRIMARY	91,168,508	61,100,982	5,734,195	22,523	18,390,068	4,746,612	587,241	3,316	399,756	127,046	56,771	
DIST_L_XFMR	83,675,580	56,576,481	5,307,751	20,855	16,978,662	3,763,121	537,847	3,071	370,154	117,638	0	
DIST_SEC_SERV	108,215,144	22,976,667	2,146,433	8,470	5,214,380	0	77,222	1,247	40,807,041	36,983,684	0	
CUSTOMER	356,906,657	300,525,195	40,039,326	1,503,756	13,526,726	591,864	263,065	149,439	0	288,264	19,022	
Total	732,785,417	500,587,715	56,783,632	1,577,502	71,926,515	17,976,625	2,036,348	160,298	41,965,632	37,640,159	130,990	
ADPLT ADDITIONS TO EPIS GEN												
PROD_DEMAND	10,513,536	5,192,069	577,780	7,136	2,819,651	1,853,990	9,055	1,063	39,933	12,691	168	
PROD_ENERGY	6,193,526	2,676,670	313,337	5,077	1,792,450	1,341,483	6,886	764	43,010	13,669	181	
TRANSMISSION	7,350,362	4,145,015	439,139	3,708	1,768,261	989,626	4,072	542	0	0	0	
DIST_SUBS	3,802,913	2,434,024	227,632	897	729,968	363,619	23,393	132	15,925	5,061	2,262	
DIST_PRIMARY	3,946,153	2,642,370	248,069	974	795,787	208,176	25,396	143	17,288	5,494	2,455	
DIST_L_XFMR	3,167,371	2,141,589	200,914	789	642,693	142,445	20,359	116	14,011	4,453	0	
DIST_SEC_SERV	4,325,123	969,075	90,529	357	219,924	0	3,257	53	1,533,844	1,508,083	0	
CUSTOMER	19,539,404	16,485,808	2,196,913	82,508	705,262	27,352	14,123	8,898	0	17,445	1,095	
Total	58,838,387	36,686,620	4,294,313	101,447	9,473,997	4,926,691	106,542	11,711	1,664,011	1,566,896	6,160	

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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE													
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADJPLT ADDITIONS TO EPIS INT													
PROD_DEMAND	14,202,726	7,013,960	780,522	9,640	3,809,064	2,504,553	12,232	1,436	53,946	17,145	227		
PROD_ENERGY	67,696	29,256	3,425	55	19,592	14,663	75	8	470	149	2		
TRANSMISSION	2,168,069	1,221,741	129,436	1,093	521,194	293,246	1,200	160	0	0	0		
DIST_SUBS	1,104,757	707,091	66,128	261	212,058	105,632	6,796	38	4,626	1,470	657		
DIST_PRIMARY	1,087,411	728,756	68,393	269	219,345	56,645	7,004	40	4,768	1,515	677		
DIST_L_XFMR	993,072	671,457	62,993	248	201,505	44,661	6,383	36	4,393	1,396	0		
DIST_SEC_SERV	1,286,812	273,776	25,576	101	62,131	0	920	15	484,185	440,109	0		
CUSTOMER	4,301,715	3,622,524	482,638	18,126	162,649	7,078	3,168	1,809	484,185	3,493	230		
Total	25,212,258	14,268,560	1,619,111	29,793	5,207,538	3,026,478	37,779	3,542	552,388	465,277	1,792		
ADJPLT REMOVE ASHEVILLE CWP IN RATEBASE													
PROD_DEMAND	(102,930,389)	(50,831,770)	(5,656,622)	(69,865)	(27,605,157)	(18,151,069)	(88,650)	(10,406)	(390,959)	(124,250)	(1,642)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(102,930,389)	(50,831,770)	(5,656,622)	(69,865)	(27,605,157)	(18,151,069)	(88,650)	(10,406)	(390,959)	(124,250)	(1,642)		
ADJPLT PLANT RETIREMENT - PROD													
PROD_DEMAND	(283,932,778)	(140,219,092)	(15,603,753)	(192,723)	(76,148,638)	(50,069,599)	(244,539)	(28,704)	(1,078,457)	(342,744)	(4,530)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	(283,932,778)	(140,219,092)	(15,603,753)	(192,723)	(76,148,638)	(50,069,599)	(244,539)	(28,704)	(1,078,457)	(342,744)	(4,530)		
EPIS ADJUSTMENTS													
PROD_DEMAND	(289,527,738)	(142,982,141)	(15,911,228)	(196,521)	(77,649,164)	(51,056,232)	(249,358)	(29,269)	(1,099,708)	(349,498)	(4,619)		
PROD_ENERGY	4,869,760	2,104,575	246,366	3,992	1,409,343	1,054,762	5,414	600	33,817	10,747	142		
TRANSMISSION	172,150,490	97,831,739	10,364,669	87,513	41,734,962	22,022,712	96,110	12,785	0	0	0		
DIST_SUBS	77,697,620	49,729,735	4,650,770	18,331	14,914,034	7,429,132	477,952	2,699	325,359	103,402	46,205		
DIST_PRIMARY	76,481,391	51,255,865	4,810,321	18,894	15,427,288	3,984,080	492,619	2,782	335,344	106,575	47,623		
DIST_L_XFMR	69,838,239	47,220,489	4,430,014	17,406	14,170,919	3,140,818	448,904	2,563	308,942	98,185	0		
DIST_SEC_SERV	90,499,664	19,255,148	1,798,776	7,098	4,369,809	0	64,714	1,045	34,050,314	30,952,759	0		
CUSTOMER	302,626,116	254,845,511	33,953,753	1,275,199	11,441,760	497,879	222,838	127,275	33,954,067	245,731	16,171		
Total	504,635,542	379,260,922	44,343,442	1,231,912	25,818,951	(12,926,849)	1,559,194	120,480	33,954,067	31,167,902	105,522		
ADI PLANT IN SERVICE													
PROD_DEMAND	10,151,657,459	5,013,356,332	557,892,444	6,890,574	2,722,598,258	1,790,175,214	8,743,186	1,026,262	38,558,861	12,254,368	161,961		
PROD_ENERGY	54,636,973	23,612,580	2,764,139	44,792	15,812,330	11,834,059	60,746	6,737	379,415	120,582	1,594		
TRANSMISSION	1,766,014,033	995,998,813	105,519,926	890,946	424,892,500	237,603,217	978,469	130,161	0	0	0		
DIST_SUBS	889,863,698	569,550,083	53,264,845	209,945	170,809,063	85,085,167	5,473,938	30,912	3,726,305	1,184,255	529,185		
DIST_PRIMARY	875,895,667	587,003,220	55,089,758	216,378	176,679,543	85,626,793	5,641,679	31,859	3,840,492	1,220,544	545,401		
DIST_L_XFMR	799,898,786	540,844,277	50,739,579	199,363	162,307,937	35,973,650	5,141,562	29,354	3,538,495	1,124,567	0		
DIST_SEC_SERV	1,036,504,244	220,522,360	20,600,747	81,288	50,045,871	0	741,152	11,969	390,000,434	354,500,423	0		
CUSTOMER	3,465,047,345	2,917,956,851	388,767,154	14,600,899	131,013,721	5,701,590	2,551,526	1,457,162	0	2,813,297	185,145		
Total	19,039,518,204	10,868,844,516	1,234,638,592	23,134,184	3,854,159,223	2,211,999,690	29,332,259	2,724,416	440,044,002	373,218,037	1,423,284		

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COS DETAIL - RATE BASE										
BOOK DEPRECIATION RESERVE										
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SFL
PROD_DEMAND	(4,522,360,089)	(2,233,349,843)	(248,529,911)	(3,069,613)	(1,212,862,998)	(797,487,206)	(3,894,914)	(457,179)	(17,177,200)	(5,459,076)
PROD_ENERGY	(13,593,554)	(5,874,756)	(687,711)	(11,144)	(3,934,071)	(2,944,287)	(15,114)	(1,676)	(94,398)	(30,000)
TRANSMISSION	(479,806,884)	(272,584,595)	(28,878,655)	(243,834)	(116,284,426)	(61,511,965)	(267,787)	(35,622)	0	0
DIST_SUBS	(374,643,924)	(239,787,822)	(22,425,177)	(88,389)	(71,912,786)	(35,821,936)	(2,304,597)	(13,014)	(1,568,822)	(498,586)
DIST_PRIMARY	(368,442,828)	(246,924,644)	(23,173,536)	(91,020)	(74,320,029)	(19,188,643)	(2,373,189)	(13,402)	(1,615,514)	(513,426)
DIST_L_XFMR	(337,163,924)	(227,970,316)	(21,387,150)	(84,033)	(68,414,132)	(15,163,190)	(2,167,211)	(12,373)	(1,491,505)	(474,014)
DIST_SEC_SERV	(436,546,390)	(92,800,637)	(8,669,245)	(34,208)	(21,060,398)	0	(31,1893)	(5,037)	(164,404,886)	(149,260,086)
CUSTOMER	(1,451,359,635)	(1,222,157,257)	(162,830,528)	(6,115,417)	(54,928,952)	(2,395,728)	(1,069,143)	(609,268)	(0)	(1,175,874)
Total	(7,983,917,228)	(4,541,449,870)	(516,581,914)	(9,737,658)	(1,623,717,792)	(934,512,955)	(12,403,848)	(1,147,571)	(186,352,325)	(157,411,062)

DEPRECIATION RESERVE ADJUSTMENTS:

ADIDPR DSDR Trans

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	59,333	33,728	3,573	30	14,388	7,576	33	4	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0
Total	59,333	33,728	3,573	30	14,388	7,576	33	4	0	0

ADIDPR DSDR Dist

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	4,870,322	3,117,210	291,524	1,149	934,857	465,680	29,959	169	20,394	6,482
DIST_PRIMARY	4,783,691	3,206,022	300,878	1,182	964,943	249,059	30,813	174	20,976	6,666
DIST_L_XFMR	4,390,531	2,968,617	278,502	1,094	890,885	197,454	28,221	161	19,422	6,173
DIST_SEC_SERV	5,678,143	1,205,606	112,625	444	273,603	0	4,052	65	2,141,181	1,940,566
CUSTOMER	18,727,204	15,768,819	2,100,898	78,903	709,759	31,056	13,803	7,841	0	15,125
Total	38,449,890	26,266,274	3,084,428	82,773	3,774,047	943,249	106,849	8,411	2,201,973	1,975,012

ADIDPR DSDR Gen

PROD_DEMAND	644,569	318,318	35,423	438	172,869	113,665	555	65	2,448	778
PROD_ENERGY	379,716	164,103	19,210	311	109,892	82,244	422	47	2,637	838
TRANSMISSION	450,639	254,125	26,923	227	108,409	60,672	250	33	0	0
DIST_SUBS	233,151	149,226	13,956	55	44,753	22,293	1,434	8	976	310
DIST_PRIMARY	241,933	162,000	15,209	60	48,788	12,763	1,557	9	1,060	337
DIST_L_XFMR	194,187	131,298	12,318	48	39,403	8,733	1,248	7	859	273
DIST_SEC_SERV	265,167	59,413	5,550	22	13,483	0	200	3	94,038	92,458
CUSTOMER	1,197,931	1,010,720	134,689	5,058	43,239	1,677	866	546	0	1,070
Total	3,607,292	2,249,201	263,278	6,220	580,836	302,048	6,532	718	102,018	96,064

ADIDPR DSDR INT

PROD_DEMAND	12,312,557	6,080,508	676,646	8,357	3,302,135	2,171,235	10,604	1,245	46,767	14,863
PROD_ENERGY	58,687	25,363	2,969	48	16,984	12,711	65	7	408	130
TRANSMISSION	1,879,531	1,059,145	112,210	947	451,831	254,219	1,041	138	0	0
DIST_SUBS	957,730	612,988	57,327	226	183,836	91,574	5,891	33	4,010	1,275
DIST_PRIMARY	942,693	631,769	59,291	233	190,153	49,106	6,072	34	4,133	1,314
DIST_L_XFMR	860,909	582,096	54,610	215	174,688	38,717	5,534	32	3,808	1,210
DIST_SEC_SERV	1,115,557	237,340	22,172	87	53,863	0	798	13	419,747	381,537
CUSTOMER	3,729,221	3,140,420	418,407	15,714	141,003	6,136	2,746	1,568	0	3,028
Total	21,856,886	12,369,630	1,403,632	25,828	4,514,493	2,623,700	32,751	3,071	478,873	403,356

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIDPR YE DEPR RES-JAAR	PROD_DEMAND	93,549,134	46,198,874	5,141,067	63,498	25,089,175	16,496,749	80,570	9,457	355,326	112,926	1,492
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	93,549,134	46,198,874	5,141,067	63,498	25,089,175	16,496,749	80,570	9,457	355,326	112,926	1,492
ADIDPR ADDITIONS TO EPIS- PROD	PROD_DEMAND	(223,453,606)	(110,351,690)	(12,280,071)	(151,672)	(59,928,578)	(39,404,512)	(192,451)	(22,590)	(848,740)	(269,738)	(3,565)
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(223,453,606)	(110,351,690)	(12,280,071)	(151,672)	(59,928,578)	(39,404,512)	(192,451)	(22,590)	(848,740)	(269,738)	(3,565)
ADIDPR ADDITIONS TO EPIS- TRANS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	(15,314,554)	(8,705,580)	(922,302)	(7,787)	(3,713,795)	(1,955,399)	(8,552)	(1,138)	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
	Total	(15,314,554)	(8,705,580)	(922,302)	(7,787)	(3,713,795)	(1,955,399)	(8,552)	(1,138)	0	0	0
ADIDPR ADDITIONS TO EPIS- DIST	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	(16,068,220)	(10,284,335)	(961,800)	(3,791)	(3,084,290)	(1,536,378)	(98,843)	(558)	(67,286)	(21,384)	(9,555)
	DIST_PRIMARY	(15,782,409)	(10,577,344)	(992,661)	(3,899)	(3,183,551)	(821,698)	(101,659)	(574)	(69,203)	(21,993)	(9,828)
	DIST_L_XFMR	(14,485,289)	(9,794,096)	(918,838)	(3,610)	(2,939,219)	(651,443)	(93,108)	(532)	(64,078)	(20,365)	0
	DIST_SEC_SERV	(18,733,394)	(3,977,548)	(371,574)	(1,466)	(902,674)	0	(13,368)	(216)	(7,064,209)	(6,402,338)	0
	CUSTOMER	(61,785,004)	(52,024,668)	(6,931,308)	(260,319)	(2,341,645)	(102,459)	(45,540)	(25,870)	0	(49,902)	(3,293)
	Total	(126,854,316)	(86,657,991)	(10,176,182)	(273,085)	(12,451,379)	(3,111,979)	(352,517)	(27,750)	(7,264,776)	(6,515,982)	(22,676)
ADIDPR ADDITIONS TO EPIS- GEN	PROD_DEMAND	4,155,414	2,052,135	228,364	2,821	1,114,451	732,779	3,579	420	15,783	5,016	66
	PROD_ENERGY	2,447,955	1,057,938	123,844	2,007	708,456	530,213	2,722	302	16,999	5,403	71
	TRANSMISSION	2,905,188	1,638,293	173,567	1,465	698,895	391,144	1,609	214	0	0	0
	DIST_SUBS	1,503,079	962,034	89,970	355	288,516	143,718	9,246	52	6,294	2,000	894
	DIST_PRIMARY	1,559,694	1,044,382	98,048	385	314,530	82,280	10,038	57	6,833	2,172	970
	DIST_L_XFMR	1,251,885	846,451	79,410	312	254,021	56,301	8,047	46	5,538	1,760	0
	DIST_SEC_SERV	1,709,480	383,021	35,781	141	86,924	0	1,287	21	606,243	596,061	0
	CUSTOMER	7,722,836	6,515,920	868,317	32,611	278,751	10,811	5,582	3,517	0	6,895	433
	Total	23,255,532	14,500,174	1,697,302	40,096	3,744,543	1,947,246	42,110	4,629	657,691	619,307	2,435

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Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES		SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADIDPR ADDITIONS TO EPIS- INT														
PROD_DEMAND	(21,366,381)	(10,551,704)	(1,174,207)	(14,503)	(5,730,303)	(3,767,815)	(18,402)	(2,160)	(81,156)	(25,792)	(341)			
PROD_ENERGY	(101,841)	(44,013)	(5,152)	(83)	(29,474)	(22,058)	(113)	(13)	(707)	(225)	(3)			
TRANSMISSION	(3,261,612)	(1,837,969)	(194,722)	(1,644)	(784,077)	(441,154)	(1,806)	(240)	0	0	0			
DIST_SUBS	(1,661,981)	(1,063,737)	(99,482)	(392)	(319,017)	(158,912)	(10,224)	(58)	(6,960)	(2,212)	(988)			
DIST_PRIMARY	(1,635,886)	(1,096,330)	(102,890)	(404)	(329,980)	(85,216)	(10,537)	(60)	(7,173)	(2,280)	(1,019)			
DIST_L_XFMR	(1,493,964)	(1,010,130)	(94,766)	(372)	(303,141)	(67,188)	(9,603)	(55)	(6,609)	(2,100)	0			
DIST_SEC_SERV	(1,935,862)	(411,864)	(38,476)	(152)	(93,469)	0	(1,384)	(22)	(728,401)	(662,094)	0			
CUSTOMER	(6,471,439)	(5,449,674)	(726,074)	(27,269)	(244,687)	(10,649)	(4,765)	(2,721)	(0)	(5,254)	(346)			
Total	(37,928,966)	(21,465,421)	(2,435,768)	(44,820)	(7,834,147)	(4,552,992)	(56,834)	(5,329)	(831,005)	(699,956)	(2,697)			
ADIDPR YE DEPR RES-MERGER TRANS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	342,408	194,643	20,621	174	83,034	43,720	191	25	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	342,408	194,643	20,621	174	83,034	43,720	191	25	0	0	0			
ADIDPR NEW RATES - PROD														
PROD_DEMAND	(76,735,677)	(37,895,614)	(4,217,070)	(52,085)	(20,579,932)	(13,531,811)	(66,089)	(7,757)	(291,464)	(92,630)	(1,224)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(76,735,677)	(37,895,614)	(4,217,070)	(52,085)	(20,579,932)	(13,531,811)	(66,089)	(7,757)	(291,464)	(92,630)	(1,224)			
ADIDPR NEW RATES - TRANS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	(5,010,270)	(2,848,095)	(301,738)	(2,548)	(1,214,996)	(639,723)	(2,798)	(372)	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(5,010,270)	(2,848,095)	(301,738)	(2,548)	(1,214,996)	(639,723)	(2,798)	(372)	0	0	0			
ADIDPR NEW RATES - DIST														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	468,194	299,664	28,025	110	89,870	44,767	2,880	16	1,961	623	278			
DIST_PRIMARY	459,866	308,202	28,924	114	92,762	23,943	2,962	17	2,016	641	286			
DIST_L_XFMR	422,071	285,379	26,773	105	85,643	18,982	2,713	15	1,867	593	0			
DIST_SEC_SERV	545,852	115,897	10,827	43	26,302	0	390	6	205,836	186,551	0			
CUSTOMER	1,800,285	1,515,890	201,964	7,585	68,231	2,985	1,327	754	0	1,454	96			
Total	3,696,268	2,525,032	296,513	7,957	362,807	90,677	10,272	809	211,680	189,862	661			

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COS DETAIL - RATE BASE													
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADIDPR NEW RATES - GEN													
PROD_DEMAND	(1,738,418)	(858,511)	(95,536)	(1,180)	(466,231)	(306,558)	(1,497)	(176)	(6,603)	(2,098)	(28)		
PROD_ENERGY	(1,024,102)	(442,588)	(51,810)	(840)	(296,382)	(221,815)	(1,139)	(126)	(7,112)	(2,260)	(30)		
TRANSMISSION	(1,215,385)	(685,380)	(72,612)	(613)	(292,383)	(163,635)	(673)	(90)	0	0	0		
DIST_SUBS	(628,813)	(402,467)	(37,639)	(148)	(120,701)	(60,125)	(3,868)	(22)	(2,633)	(837)	(374)		
DIST_PRIMARY	(652,498)	(436,917)	(41,018)	(161)	(131,584)	(34,422)	(4,199)	(24)	(2,859)	(908)	(406)		
DIST_L_XFMR	(523,726)	(354,113)	(33,221)	(131)	(106,270)	(23,553)	(3,366)	(19)	(2,317)	(736)	0		
DIST_SEC_SERV	(715,161)	(160,237)	(14,969)	(59)	(36,365)	0	(539)	(9)	(253,622)	(249,362)	0		
CUSTOMER	(3,230,849)	(2,725,935)	(363,261)	(13,643)	(116,615)	(4,523)	(2,335)	(1,471)	(1,936)	(284)	(181)		
Total	(9,728,952)	(6,066,148)	(710,066)	(16,774)	(1,566,529)	(814,630)	(17,617)	(1,936)	(275,145)	(259,087)	(1,019)		
ADIDPR PLANT RETIREMENT - PROD													
PROD_DEMAND	208,381,799	102,908,536	11,451,788	141,442	55,886,433	36,746,702	179,470	21,066	791,493	251,544	3,325		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	208,381,799	102,908,536	11,451,788	141,442	55,886,433	36,746,702	179,470	21,066	791,493	251,544	3,325		
TOTAL DEPR RESERVE ADJUSTS													
PROD_DEMAND	(4,250,609)	(2,099,147)	(233,596)	(2,885)	(1,139,981)	(749,566)	(3,661)	(430)	(16,145)	(5,131)	(68)		
PROD_ENERGY	1,760,414	760,802	89,061	1,443	509,476	381,296	1,957	217	12,225	3,885	51		
TRANSMISSION	(19,164,721)	(10,897,091)	(1,154,479)	(9,748)	(4,648,692)	(2,442,581)	(10,705)	(1,424)	(43,242)	(13,743)	0		
DIST_SUBS	(10,326,538)	(6,609,417)	(618,119)	(2,436)	(1,982,176)	(987,382)	(63,523)	(359)	(44,216)	(14,052)	(6,141)		
DIST_PRIMARY	(10,082,915)	(6,758,217)	(634,219)	(2,491)	(2,033,937)	(524,185)	(64,953)	(367)	(44,216)	(14,052)	(6,279)		
DIST_L_XFMR	(9,383,396)	(6,344,498)	(595,212)	(2,339)	(1,903,991)	(421,997)	(60,314)	(344)	(41,509)	(13,192)	0		
DIST_SEC_SERV	(12,070,219)	(2,548,372)	(238,064)	(939)	(578,334)	0	(8,565)	(138)	(4,579,186)	(4,116,621)	0		
CUSTOMER	(38,309,814)	(32,248,508)	(4,296,368)	(161,359)	(1,461,966)	(64,965)	(28,316)	(15,837)	0	(30,469)	(2,027)		
Total	(101,827,798)	(66,744,447)	(7,680,995)	(180,754)	(13,239,600)	(4,809,380)	(238,080)	(18,682)	(4,712,074)	(4,189,323)	(14,463)		
ADI DEPRECIATION RESERVE													
PROD_DEMAND	(4,526,610,698)	(2,235,448,989)	(248,763,506)	(3,072,498)	(1,214,002,979)	(798,236,771)	(3,898,575)	(457,609)	(17,193,345)	(5,464,207)	(72,218)		
PROD_ENERGY	(11,833,139)	(5,113,954)	(598,650)	(9,701)	(3,424,595)	(2,562,991)	(13,156)	(1,459)	(82,173)	(26,115)	(345)		
TRANSMISSION	(498,971,605)	(283,481,686)	(30,033,135)	(253,582)	(120,933,118)	(63,954,546)	(278,492)	(37,046)	0	0	0		
DIST_SUBS	(384,970,462)	(246,397,239)	(23,043,295)	(90,826)	(73,894,962)	(36,809,318)	(2,368,121)	(13,373)	(1,612,064)	(512,329)	(228,934)		
DIST_PRIMARY	(378,525,743)	(253,682,861)	(23,807,755)	(93,511)	(76,353,966)	(19,712,828)	(2,438,142)	(13,769)	(1,659,730)	(527,478)	(235,704)		
DIST_L_XFMR	(346,547,320)	(234,314,814)	(21,982,363)	(86,372)	(70,318,122)	(15,585,187)	(2,227,525)	(12,717)	(1,533,014)	(487,206)	0		
DIST_SEC_SERV	(448,616,610)	(95,349,010)	(8,907,309)	(35,147)	(21,638,732)	0	(320,458)	(5,175)	(168,984,072)	(153,376,706)	0		
CUSTOMER	(1,489,669,449)	(1,254,405,764)	(167,126,896)	(6,276,776)	(56,390,918)	(2,460,693)	(1,097,459)	(625,104)	(0)	(1,206,343)	(79,496)		
Total	(8,085,745,027)	(4,608,194,317)	(524,262,909)	(9,918,412)	(1,636,957,392)	(939,322,335)	(12,641,928)	(1,166,253)	(191,064,399)	(161,600,385)	(616,697)		
BOOK NET PLANT IN SERVICE													
PROD_DEMAND	5,918,825,107	2,922,988,630	325,273,761	4,017,482	1,587,384,424	1,043,744,240	5,097,629	598,352	22,481,369	7,144,790	94,430		
PROD_ENERGY	36,173,660	15,633,250	1,830,062	29,655	10,468,915	7,835,010	40,219	4,460	251,200	79,834	1,055		
TRANSMISSION	1,114,056,658	625,582,479	66,276,602	559,599	266,873,113	154,068,540	614,572	81,753	0	0	0		
DIST_SUBS	437,522,154	280,032,526	26,188,898	103,224	83,982,243	41,834,099	2,691,389	15,199	1,832,124	582,266	260,186		
DIST_PRIMARY	430,971,448	288,822,710	27,105,901	106,464	86,932,226	22,454,069	2,775,871	15,676	1,889,634	600,543	268,353		
DIST_L_XFMR	392,896,622	265,653,472	24,922,415	97,924	79,722,887	17,669,643	2,525,448	14,418	1,738,048	552,368	0		
DIST_SEC_SERV	509,458,189	108,466,574	10,132,725	39,982	24,615,663	0	364,544	5,887	191,545,235	174,287,578	0		
CUSTOMER	1,711,061,594	1,440,954,083	191,982,873	7,210,283	64,643,009	2,807,983	1,259,546	720,620	0	1,391,692	91,505		
Total	10,550,965,433	5,948,133,724	673,713,236	12,164,615	2,204,622,480	1,290,413,584	15,369,217	1,456,365	219,737,610	184,639,072	715,528		



DUKE ENERGY PROGRESS, LLC  
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Summer/Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL					
ADI NET PLANT IN SERV	PROD_DEMAND	5,625,046,761	2,777,907,343	309,128,937	3,818,076	1,508,595,278	991,938,443	4,844,611	568,653	21,365,516	6,790,162	89,743				
	PROD_ENERGY	42,803,834	18,498,627	2,165,489	35,091	12,387,735	9,271,068	47,590	5,278	297,242	94,466	1,249				
	TRANSMISSION	1,267,042,428	712,517,128	75,486,791	637,365	303,959,382	173,648,671	699,977	93,114	0	0	0				
	DIST_SUBS	504,893,236	323,152,844	30,221,550	119,119	96,914,102	48,275,849	3,105,818	17,539	2,114,241	671,926	300,250				
	DIST_PRIMARY	497,369,924	333,320,359	31,282,003	122,867	100,325,577	25,913,965	3,203,537	18,091	2,180,762	693,067	309,697				
	DIST_L_XFMR	453,351,466	306,529,463	28,757,217	112,991	91,989,815	20,388,463	2,914,037	16,637	2,005,481	637,361	0				
	DIST_SEC_SERV	587,887,634	125,173,350	11,693,438	46,141	28,407,139	0	420,694	6,794	221,016,362	201,123,717	0				
	CUSTOMER	1,975,377,896	1,663,551,086	221,640,258	8,324,123	74,622,803	3,240,897	1,454,067	832,058	0	1,606,954	105,649				
	Total	10,953,773,177	6,260,650,199	710,375,683	13,215,772	2,217,201,831	1,272,677,355	16,690,331	1,558,163	248,979,603	211,617,652	806,587				

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

PLANT HELD FOR FUTURE USE

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SIS	NC SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

BOOK NUCLEAR FUEL INVENTORY

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716

ADINUC NUC FUEL - JAAR

PROD_DEMAND	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)

ADI NUCLEAR FUEL INVENTORY

PROD_DEMAND	(27,065,670)	(13,366,275)	(1,487,416)	(18,371)	(7,258,809)	(4,772,845)	(23,310)	(2,736)	(102,803)	(32,672)	(432)
PROD_ENERGY	230,252,322	99,508,651	11,648,695	188,761	66,636,664	49,871,350	255,999	28,390	1,598,938	508,158	6,716
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	203,186,651	86,142,375	10,161,279	170,390	59,377,854	45,098,505	232,688	25,653	1,496,135	475,486	6,284

ACCUM DEFERRED INCOME TAXES:

DFTR NC CLEAN AIR

PROD_DEMAND	17,880,376	8,830,154	982,630	12,137	4,795,383	3,153,082	15,400	1,808	67,915	21,584	285
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	17,880,376	8,830,154	982,630	12,137	4,795,383	3,153,082	15,400	1,808	67,915	21,584	285

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE																							
													NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	
													RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
DFTR ALL PLANT RELATED	PROD_DEMAND	(947,240,923)	(467,791,225)	(52,056,381)	(642,953)	(254,042,899)	(167,039,444)	(815,818)	(95,759)	(3,597,888)	(1,143,443)	(15,112)											
	PROD_ENERGY	(5,789,185)	(2,501,925)	(292,881)	(4,746)	(1,675,431)	(1,253,905)	(6,437)	(714)	(40,202)	(12,776)	(169)											
	TRANSMISSION	(178,292,151)	(100,117,391)	(10,606,820)	(89,558)	(42,710,019)	(24,656,925)	(98,355)	(13,084)	0	0	0											
	DIST_SUBS	(70,020,465)	(44,816,034)	(4,191,237)	(16,520)	(13,440,407)	(6,695,074)	(430,726)	(2,432)	(293,211)	(93,185)	(41,640)											
	DIST_PRIMARY	(68,972,099)	(46,222,804)	(4,337,992)	(17,038)	(13,912,518)	(3,593,519)	(444,247)	(2,509)	(302,415)	(96,110)	(42,947)											
	DIST_L_XFMR	(62,878,655)	(42,514,829)	(3,988,550)	(15,672)	(12,758,745)	(2,827,826)	(404,169)	(2,307)	(278,155)	(88,400)	0											
	DIST_SEC_SERV	(81,533,013)	(17,358,847)	(1,621,628)	(6,399)	(3,939,458)	0	(58,341)	(942)	(30,654,645)	(27,892,753)	0											
	CUSTOMER	(273,836,029)	(230,608,381)	(30,724,684)	(1,153,924)	(10,345,381)	(449,386)	(201,576)	(115,327)	(0)	(222,725)	(14,644)	0										
	Total	(1,688,562,520)	(951,931,435)	(107,820,173)	(1,946,809)	(352,824,859)	(206,516,079)	(2,459,669)	(233,075)	(35,166,516)	(29,549,392)	(114,512)											
	DFTR TRANSMISSION RELATED	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0										
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0											
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0											
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0											
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0											
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0											
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0											
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0											
Total		0	0	0	0	0	0	0	0	0	0	0											
NC RETAIL - HARRIS ACCELERATED DEPR UNWIND		PROD_DEMAND	79,100,913	39,063,677	4,347,054	53,691	21,214,271	13,948,904	68,126	7,997	300,448	95,485	1,262										
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0											
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0											
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0											
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0											
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0											
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0											
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0											
	Total	79,100,913	39,063,677	4,347,054	53,691	21,214,271	13,948,904	68,126	7,997	300,448	95,485	1,262											
	SC RETAIL - HARRIS ACCELERATED DEPR UNWIND	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0										
PROD_ENERGY		0	0	0	0	0	0	0	0	0	0	0											
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0											
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0											
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0											
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0											
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0											
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0											
Total		0	0	0	0	0	0	0	0	0	0	0											
DFTR EDIT NC RETAIL - FED TAX CHANGE		PROD_DEMAND	152,947,953	75,532,748	8,405,377	103,815	41,019,492	26,971,323	131,727	15,462	580,940	184,628	2,440										
	PROD_ENERGY	934,761	403,978	47,290	766	270,527	202,464	1,039	115	6,491	2,063	27											
	TRANSMISSION	28,788,262	16,165,634	1,712,649	14,461	6,896,250	3,981,275	15,881	2,113	0	0	0											
	DIST_SUBS	11,305,980	7,236,301	676,746	2,667	2,170,179	1,081,032	69,548	393	47,344	15,046	6,723											
	DIST_PRIMARY	11,136,704	7,463,448	700,442	2,751	2,246,410	580,234	71,731	405	48,830	15,519	6,934											
	DIST_L_XFMR	10,152,815	6,864,733	644,018	2,530	2,060,114	456,600	65,260	373	44,913	14,274	0											
	DIST_SEC_SERV	13,164,874	2,802,877	261,839	1,033	636,092	0	9,420	152	4,949,707	4,503,753	0											
	CUSTOMER	44,215,425	37,235,595	4,961,016	186,320	1,670,436	72,561	32,548	18,621	0	35,963	2,365											
	Total	272,646,772	153,705,315	17,409,377	314,345	56,969,498	33,345,489	397,155	37,634	5,678,224	4,771,246	18,490											

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
DFTR EDIT SC RETAIL - FED TAX CHANGE														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DFTR EDIT WHOL - FED TAX CHANGE														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOOK ACCUM DEFERRED INC TAX														
PROD_DEMAND	(697,311,681)	(344,364,647)	(38,321,320)	(473,310)	(187,013,754)	(122,966,136)	(600,565)	(70,493)	(2,648,587)	(841,746)	(11,125)			
PROD_ENERGY	(4,854,423)	(2,097,947)	(245,590)	(3,980)	(1,404,905)	(1,051,441)	(5,397)	(599)	(33,711)	(10,714)	(142)			
TRANSMISSION	(149,503,889)	(83,951,757)	(8,894,170)	(75,097)	(35,813,769)	(20,675,650)	(82,474)	(10,971)	0	0	0			
DIST_SUBS	(58,714,486)	(37,579,733)	(3,514,491)	(13,852)	(11,270,227)	(5,614,042)	(361,178)	(2,040)	(245,867)	(78,139)	0			
DIST_PRIMARY	(57,835,396)	(38,759,356)	(3,637,551)	(14,287)	(11,666,109)	(3,013,285)	(372,516)	(2,104)	(253,585)	(80,592)	0			
DIST_L_XFMR	(52,725,840)	(35,650,096)	(3,344,532)	(13,141)	(10,698,631)	(2,371,226)	(338,909)	(1,935)	(233,242)	(74,127)	0			
DIST_SEC_SERV	(68,368,139)	(14,555,969)	(1,359,789)	(5,366)	(3,303,366)	0	(48,921)	(790)	(25,704,938)	(23,389,000)	0			
CUSTOMER	(229,620,604)	(193,372,786)	(25,763,668)	(967,604)	(8,674,946)	(376,825)	(169,028)	(96,706)	(0)	(186,762)	(12,280)			
Total	(1,318,934,458)	(750,332,290)	(85,081,112)	(1,566,637)	(269,845,708)	(156,068,605)	(1,978,988)	(185,637)	(29,119,929)	(24,661,078)	(94,475)			

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ACCU DEF TAX ADJUSTMENTS:														
ADIDFTR REMOVE DSM														
PROD_DEMAND	25,460,044	15,897,782	1,851,813	30,319	7,193,916	387,723	38,829	4,565	41,087	13,841	170			
PROD_ENERGY	25,460,044	15,897,782	1,851,813	30,319	7,193,916	387,723	38,829	4,565	41,087	13,841	170			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	50,920,087	31,795,563	3,703,625	60,637	14,387,832	775,446	77,659	9,129	82,174	27,683	339			
ADIDFTR REMOVE REPS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(26,325,498)	(8,817,033)	(12,027,152)	(489,066)	(3,596,830)	(116,349)	(38,215)	(47,049)	(1,087,952)	(101,495)	(4,356)			
ADIDFTR REMOVE JAAR: PLANT REL														
PROD_DEMAND	23,961,579	11,833,332	1,316,828	16,264	6,426,315	4,225,460	20,637	2,422	91,013	28,925	382			
PROD_ENERGY	146,444	63,289	7,409	120	42,382	31,719	163	18	1,017	323	4			
TRANSMISSION	4,510,111	2,532,588	268,312	2,265	1,080,400	623,726	2,488	331	7,417	2,357	1,053			
DIST_SUBS	1,771,250	1,133,675	106,022	418	339,991	169,360	10,896	62	7,417	2,357	1,053			
DIST_PRIMARY	1,744,731	1,169,260	109,735	431	351,934	90,902	11,238	63	7,650	2,431	1,086			
DIST_L_XFMR	1,590,590	1,075,463	100,895	396	322,748	71,533	10,224	58	7,036	2,236	0			
DIST_SEC_SERV	2,062,474	439,113	41,021	162	99,653	0	1,476	24	775,445	705,580	0			
CUSTOMER	6,927,006	5,833,512	777,217	29,190	261,699	11,368	5,099	2,917	889,579	747,487	370			
Total	42,714,185	24,080,231	2,727,439	49,247	8,925,122	5,224,068	62,220	5,896	889,579	747,487	2,897			
ADIDFTR REMOVE DSDR - TRANS PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	45,457	25,840	2,738	23	11,023	5,804	25	3	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	45,457	25,840	2,738	23	11,023	5,804	25	3	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	0	0	0	0	0	0	0	0	0	0	0			
ADIDFTR REMOVE DSDR - DISTR PLANT														

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 EI Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	RES	SGS	SGSCLR	MGS	LG5	SI	TSS	ALS	SLS	SFL	RETAIL	RES	RES	SGS	SGSCLR	MGS	LG5	SI	TSS	ALS	SLS	SFL
ADDIFTR REMOVE DSDR - GEN PLANT	PROD_DEMAND	283,367	139,940	15,573	192	75,997	49,970	244	29	1,076	342	5												
	PROD_ENERGY	166,932	72,143	8,445	137	48,311	36,156	186	21	1,159	368	5												
	TRANSMISSION	198,112	111,719	11,836	100	47,659	26,673	110	15	0	0	0												
	DIST_SUBS	102,499	65,603	6,135	24	19,675	9,800	631	4	429	136	61												
	DIST_PRIMARY	106,359	71,219	6,686	26	21,449	5,611	684	4	466	148	66												
	DIST_L_XFMR	85,369	57,721	5,415	21	17,322	3,839	549	3	378	120	0												
	DIST_SEC_SERV	116,573	26,119	2,440	10	5,928	0	88	1	41,341	40,647	0												
	CUSTOMER	526,638	444,336	59,213	2,224	19,009	737	381	240	0	470	30												
	Total	1,585,849	988,801	115,743	2,734	255,349	132,787	2,872	316	44,849	42,232	166												
	PROD_DEMAND	1,562,606	771,687	85,874	1,061	419,079	275,555	1,346	158	5,935	1,886	25												
ADDIFTR REMOVE DSDR - INTANG PLANT	PROD_ENERGY	7,448	3,219	377	6	2,156	1,613	8	1	52	16	0												
	TRANSMISSION	238,534	134,418	14,241	120	57,343	32,263	132	18	0	0	0												
	DIST_SUBS	121,547	77,795	7,275	29	23,331	11,622	748	4	509	162	72												
	DIST_PRIMARY	119,639	80,179	7,525	30	24,133	6,232	771	4	525	167	74												
	DIST_L_XFMR	109,259	73,875	6,931	27	22,170	4,914	702	4	483	154	0												
	DIST_SEC_SERV	141,577	30,121	2,814	11	6,836	0	101	2	53,271	48,421	0												
	CUSTOMER	473,281	398,556	53,101	1,994	17,895	779	349	199	0	384	25												
	Total	2,773,892	1,569,849	178,137	3,278	572,941	332,978	4,156	390	60,775	51,191	197												
	PROD_DEMAND	(22,069,898)	(10,899,133)	(1,212,869)	(14,980)	(5,918,981)	(3,891,875)	(19,008)	(2,231)	(83,828)	(26,641)	(352)												
ADDIFTR ADDITIONS TO EPIS - PROD	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0												
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0												
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0												
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0												
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0												
	Total	(22,069,898)	(10,899,133)	(1,212,869)	(14,980)	(5,918,981)	(3,891,875)	(19,008)	(2,231)	(83,828)	(26,641)	(352)												
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0												
ADDIFTR ADDITIONS TO EPIS - TRANS	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0												
	TRANSMISSION	(1,216,401)	(691,465)	(73,256)	(619)	(294,978)	(155,313)	(679)	(90)	0	0	0												
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0												
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0												
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0												
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0												
	Total	(1,216,401)	(691,465)	(73,256)	(619)	(294,978)	(155,313)	(679)	(90)	0	0	0												
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0												
ADDIFTR ADDITIONS TO EPIS - DIST	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0												
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0												
	DIST_SUBS	(775,943)	(496,636)	(46,446)	(183)	(148,942)	(74,193)	(4,773)	(27)	(3,249)	(1,033)	(461)												
	DIST_PRIMARY	(762,141)	(510,785)	(47,936)	(188)	(153,735)	(39,680)	(4,909)	(28)	(3,342)	(1,062)	(475)												
	DIST_L_XFMR	(699,502)	(472,962)	(44,371)	(174)	(141,936)	(31,459)	(4,496)	(26)	(3,094)	(983)	0												
	DIST_SEC_SERV	(904,645)	(192,078)	(17,944)	(71)	(43,591)	0	(646)	(10)	(341,134)	(309,172)	0												
	CUSTOMER	(2,983,630)	(2,512,298)	(334,716)	(12,571)	(113,079)	(4,948)	(2,199)	(1,249)	0	(2,410)	(159)												
	Total	(6,125,861)	(4,184,759)	(491,413)	(13,187)	(601,284)	(150,279)	(17,023)	(1,340)	(350,820)	(314,660)	(1,095)												



DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL		
ADIDFTR ADDITIONS TO EPIS - GEN	PROD_DEMAND	(247,491)	(122,222)	(13,601)	(166)	(66,375)	(43,643)	(213)	(25)	(940)	(299)	(4)		
	PROD_ENERGY	(145,797)	(63,009)	(7,376)	(120)	(42,195)	(31,579)	(162)	(18)	(1,012)	(322)	(4)		
	TRANSMISSION	(173,029)	(97,574)	(10,337)	(87)	(41,625)	(23,296)	(96)	(13)	0	0	(53)		
	DIST_SUBS	(89,521)	(57,297)	(5,359)	(21)	(17,184)	(8,560)	(551)	(3)	(375)	(119)	(19)		
	DIST_PRIMARY	(92,893)	(62,202)	(5,840)	(23)	(18,733)	(4,900)	(598)	(3)	(407)	(129)	(58)		
	DIST_L_XFMR	(74,561)	(50,413)	(4,730)	(19)	(15,129)	(3,353)	(479)	(3)	(330)	(105)	0		
	DIST_SEC_SERV	(101,814)	(22,812)	(2,131)	(8)	(5,177)	0	(77)	(1)	(36,107)	(35,501)	0		
	CUSTOMER	(459,961)	(388,079)	(51,716)	(1,942)	(16,602)	(644)	(332)	(209)	(0)	(411)	(26)		
	Total	(1,385,067)	(863,610)	(101,089)	(2,388)	(223,020)	(115,975)	(2,508)	(276)	(39,171)	(36,885)	(145)		
	PROD_DEMAND	(104,684)	(51,698)	(5,753)	(71)	(28,076)	(18,460)	(90)	(11)	(398)	(126)	(2)		
ADIDFTR ADDITIONS TO EPIS - INT	PROD_ENERGY	(499)	(216)	(25)	(0)	(144)	(108)	(1)	(0)	(3)	(1)	(0)		
	TRANSMISSION	(15,980)	(9,005)	(954)	(8)	(3,842)	(2,161)	(9)	(1)	0	0	0		
	DIST_SUBS	(8,143)	(5,212)	(487)	(2)	(1,563)	(779)	(50)	(0)	(34)	(11)	(5)		
	DIST_PRIMARY	(8,015)	(5,371)	(504)	(2)	(1,617)	(418)	(52)	(0)	(35)	(11)	(5)		
	DIST_L_XFMR	(7,320)	(4,949)	(464)	(2)	(1,485)	(329)	(47)	(0)	(32)	(10)	0		
	DIST_SEC_SERV	(9,485)	(2,018)	(189)	(1)	(458)	0	(7)	(0)	(3,569)	(3,244)	0		
	CUSTOMER	(31,707)	(26,701)	(3,557)	(134)	(1,199)	(52)	(23)	(13)	(0)	(26)	(2)		
	Total	(185,832)	(105,169)	(11,934)	(220)	(38,383)	(22,307)	(278)	(26)	(4,071)	(3,429)	(13)		
	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0		
	ADIDFTR ADIT RELATED TO ASH DEFERRAL	PROD_ENERGY	(98,145,346)	(42,415,690)	(4,965,271)	(80,460)	(28,403,963)	(21,257,727)	(109,120)	(12,101)	(681,550)	(216,603)	(2,863)	
TRANSMISSION		0	0	0	0	0	0	0	0	0	0	0		
DIST_SUBS		0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY		0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR		0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV		0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER		0	0	0	0	0	0	0	0	0	0	0		
Total		(98,145,346)	(42,415,690)	(4,965,271)	(80,460)	(28,403,963)	(21,257,727)	(109,120)	(12,101)	(681,550)	(216,603)	(2,863)		
PROD_DEMAND		(347,046)	(171,387)	(19,072)	(236)	(93,075)	(61,199)	(299)	(35)	(1,318)	(419)	(6)		
ADIDFTR RATE CASE EXP DEFERRAL		PROD_ENERGY	(2,121)	(917)	(107)	(2)	(614)	(459)	(2)	(0)	(15)	(5)	(0)	
	TRANSMISSION	(65,322)	(36,681)	(3,886)	(33)	(15,648)	(9,034)	(36)	(5)	0	0	0		
	DIST_SUBS	(25,654)	(16,420)	(1,536)	(6)	(4,924)	(2,453)	(158)	(1)	(107)	(34)	(15)		
	DIST_PRIMARY	(25,270)	(16,935)	(1,589)	(6)	(5,097)	(1,317)	(163)	(1)	(111)	(35)	(16)		
	DIST_L_XFMR	(23,037)	(15,576)	(1,461)	(6)	(4,674)	(1,036)	(148)	(1)	(102)	(32)	0		
	DIST_SEC_SERV	(29,872)	(6,360)	(594)	(2)	(1,443)	0	(21)	(0)	(11,231)	(10,219)	0		
	CUSTOMER	(100,327)	(84,489)	(11,257)	(423)	(3,790)	(165)	(74)	(42)	(0)	(82)	(5)		
	Total	(618,649)	(348,765)	(39,503)	(713)	(129,267)	(75,663)	(901)	(85)	(12,884)	(10,826)	(42)		
	PROD_DEMAND	10,898,444	5,382,154	598,933	7,397	2,922,881	1,921,866	9,386	1,102	41,395	13,156	174		
	ADIDFTR ADIT FOR EXPIRED ANNUALIZED REG ASSETS	PROD_ENERGY	66,607	28,786	3,370	55	19,277	14,427	74	8	463	147	2	
TRANSMISSION		2,051,333	1,151,897	122,036	1,030	491,398	283,689	1,132	151	0	0	0		
DIST_SUBS		805,618	515,629	48,222	190	154,638	77,030	4,956	28	3,374	1,072	479		
DIST_PRIMARY		793,556	531,815	49,911	196	160,070	41,345	5,111	29	3,479	1,106	494		
DIST_L_XFMR		723,448	489,153	45,890	180	146,795	32,535	4,650	27	3,200	1,017	0		
DIST_SEC_SERV		938,075	199,722	18,658	74	45,325	0	671	11	352,696	320,919	0		
CUSTOMER		3,150,610	2,653,256	353,502	13,276	119,028	5,170	2,319	1,327	0	2,563	168		
Total		19,427,691	10,952,410	1,240,521	22,399	4,059,413	2,376,063	28,300	2,682	404,607	339,979	1,318		

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ADIDFTR SEVERANCE DEFERRAL														
PROD_DEMAND	(2,135,745)	(1,054,729)	(117,372)	(1,450)	(572,791)	(376,624)	(1,839)	(216)	(8,112)	(2,578)	(34)			
PROD_ENERGY	(1,690,755)	(730,697)	(85,537)	(1,386)	(489,317)	(366,208)	(1,880)	(208)	(11,741)	(3,731)	(49)			
TRANSMISSION	(170,085)	(96,685)	(10,243)	(86)	(41,246)	(21,717)	(95)	(13)	0	0	0			
DIST_SUBS	(102,911)	(65,867)	(6,160)	(24)	(19,754)	(9,840)	(633)	(4)	(431)	(137)	(61)			
DIST_PRIMARY	(158,649)	(105,689)	(9,943)	(39)	(31,944)	(9,003)	(1,016)	(6)	(691)	(220)	(98)			
DIST_L_XFMR	(21,549)	(14,570)	(1,367)	(5)	(4,373)	(969)	(139)	(1)	(95)	(30)	0			
DIST_SEC_SERV	(90,344)	(33,036)	(3,086)	(12)	(7,497)	0	(111)	(2)	(7,554)	(39,045)	0			
CUSTOMER	(1,001,929)	(845,311)	(112,658)	(4,231)	(35,997)	(1,357)	(760)	(516)	(0)	(1,033)	(66)			
Total	(5,371,966)	(2,946,584)	(346,366)	(7,234)	(1,202,917)	(785,718)	(6,473)	(965)	(28,625)	(46,775)	(309)			
ADIDFTR ADIT RELATED TO STORM DEFERRAL														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	(32,203,509)	(21,385,418)	(2,014,448)	(7,883)	(6,478,047)	(1,906,767)	(205,535)	(1,161)	(139,915)	(44,466)	(19,870)			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	(7,949,780)	(5,964,873)	(557,226)	(2,199)	(1,353,683)	0	(20,047)	(324)	(39,025)	(12,403)	0			
CUSTOMER	(101,500,031)	(86,547,607)	(11,543,559)	(433,536)	(2,732,583)	(13,606)	(54,575)	(56,257)	0	(113,811)	(4,497)			
Total	(141,653,320)	(113,897,899)	(14,115,233)	(443,617)	(10,564,312)	(1,920,373)	(280,157)	(57,741)	(178,940)	(170,680)	(24,367)			
ADIDFTR ADIT RETIRED PLANT - PROD														
PROD_DEMAND	(15,109,247)	(7,461,643)	(830,341)	(10,256)	(4,052,187)	(2,664,412)	(13,013)	(1,527)	(57,389)	(18,239)	(241)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(15,109,247)	(7,461,643)	(830,341)	(10,256)	(4,052,187)	(2,664,412)	(13,013)	(1,527)	(57,389)	(18,239)	(241)			
ADIDFTR ADIT ASHEVILLE CC														
PROD_DEMAND	(6,224,295)	(3,073,844)	(342,061)	(4,225)	(1,669,309)	(1,097,612)	(5,361)	(629)	(23,642)	(7,514)	(99)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(6,224,295)	(3,073,844)	(342,061)	(4,225)	(1,669,309)	(1,097,612)	(5,361)	(629)	(23,642)	(7,514)	(99)			
TOTAL ACCUM DEF TAX ADISTS														
PROD_DEMAND	15,927,634	11,190,238	1,327,951	23,848	4,637,395	(1,293,252)	30,620	3,601	4,880	2,334	17			
PROD_ENERGY	(100,462,541)	(35,962,343)	(15,214,055)	(540,397)	(25,227,021)	(21,300,792)	(110,120)	(54,765)	(1,738,496)	(307,461)	(7,091)			
TRANSMISSION	5,402,730	3,025,052	320,486	2,706	1,290,485	760,635	2,972	395	0	0	0			
DIST_SUBS	4,084,829	2,614,462	244,507	964	784,082	390,575	25,128	142	17,105	5,436	2,429			
DIST_PRIMARY	(28,240,769)	(18,729,049)	(1,765,174)	(6,904)	(5,678,652)	(1,701,088)	(180,005)	(1,017)	(122,536)	(38,943)	(17,402)			
DIST_L_XFMR	3,743,575	2,531,184	237,464	933	759,611	168,359	24,063	137	16,560	5,263	0			
DIST_SEC_SERV	(3,161,968)	(4,960,201)	(463,372)	(1,828)	(1,125,680)	0	(16,671)	(269)	1,789,184	1,616,869	0			
CUSTOMER	(86,209,660)	(73,673,078)	(9,828,288)	(369,115)	(2,152,465)	11,860	(43,338)	(49,923)	(0)	(101,621)	(3,693)			
Total	(188,916,170)	(113,963,734)	(25,140,481)	(889,793)	(26,712,245)	(22,963,704)	(267,351)	(101,698)	(33,301)	1,181,877	(25,739)			

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL							
ADI ACCUM DEFERRED INC TAX	PROD_DEMAND	(681,384,048)	(333,174,408)	(36,993,369)	(449,461)	(182,376,359)	(124,259,388)	(569,945)	(66,892)	(2,643,706)	(839,411)	(11,108)						
	PROD_ENERGY	(105,316,964)	(38,060,289)	(15,459,645)	(544,377)	(26,631,926)	(22,352,233)	(115,517)	(55,363)	(1,772,206)	(318,174)	(7,233)						
	TRANSMISSION	(144,101,159)	(80,926,705)	(8,573,685)	(72,391)	(34,523,284)	(19,915,015)	(79,502)	(10,576)	0	0	0						
	DIST_SUBS	(54,629,656)	(34,965,271)	(3,269,984)	(12,889)	(10,486,146)	(5,223,467)	(336,051)	(1,898)	(228,762)	(72,703)	(32,487)						
	DIST_PRIMARY	(86,076,165)	(57,488,405)	(5,402,725)	(21,191)	(17,344,761)	(4,714,374)	(552,520)	(3,120)	(376,120)	(119,535)	(53,414)						
	DIST_L_XFMR	(48,982,265)	(33,118,912)	(3,107,067)	(12,208)	(9,939,020)	(2,202,867)	(314,847)	(1,798)	(216,682)	(68,864)	0						
	DIST_SEC_SERV	(71,530,107)	(19,516,171)	(1,823,161)	(7,194)	(4,429,046)	0	(65,592)	(1,059)	(23,915,754)	(21,772,131)	0						
	CUSTOMER	(315,830,264)	(267,045,863)	(35,591,956)	(1,336,719)	(10,827,411)	(364,965)	(212,366)	(146,628)	(0)	(288,383)	(15,973)						
	Total	(1,507,850,628)	(864,296,025)	(110,221,593)	(2,456,430)	(296,557,953)	(179,032,309)	(2,246,339)	(287,335)	(29,153,230)	(23,479,200)	(120,214)						

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

REGULATORY ASSETS:

RA SFAS 109

	NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC AIS	NC SLS	NC SFL
PROD_DEMAND	55,353,164	27,335,944	3,041,977	37,572	14,845,303	9,761,151	47,673	5,596	210,247	66,818	883
PROD_ENERGY	338,298	146,203	17,115	277	97,906	73,273	376	42	2,349	747	10
TRANSMISSION	10,418,717	5,850,480	619,822	5,233	2,495,811	1,440,857	5,748	765	0	0	0
DIST_SUBS	4,091,730	2,618,879	244,920	965	785,406	391,235	25,170	142	17,134	5,445	2,433
DIST_PRIMARY	4,030,468	2,701,085	253,496	996	812,995	209,992	25,960	147	17,672	5,616	2,510
DIST_L_XFMR	3,674,390	2,484,405	233,076	916	745,573	165,247	23,618	135	16,254	5,166	0
DIST_SEC_SERV	4,764,480	1,014,385	94,762	374	230,207	0	3,409	55	1,791,341	1,629,947	0
CUSTOMER	16,001,938	13,475,879	1,795,434	67,431	604,545	26,260	11,779	6,739	0	13,015	856
Total	98,673,185	55,627,260	6,300,602	113,764	20,617,746	12,068,016	143,734	13,620	2,054,998	1,726,754	6,692

RA SFAS 158

PROD_DEMAND	117,473,581	58,013,868	6,455,854	79,737	31,505,532	20,715,661	101,175	11,876	446,198	141,806	1,874
PROD_ENERGY	92,997,570	40,190,964	4,704,840	76,240	26,914,160	20,142,748	103,396	11,466	645,802	205,242	2,713
TRANSMISSION	9,355,255	5,318,008	563,410	4,757	2,268,659	1,194,501	5,224	695	0	0	0
DIST_SUBS	5,660,474	3,622,941	338,821	1,335	1,086,526	541,232	34,820	197	23,703	7,533	3,366
DIST_PRIMARY	8,726,263	5,813,274	546,891	2,143	1,757,042	495,205	55,871	316	38,034	12,087	5,401
DIST_L_XFMR	1,185,277	801,414	75,185	295	240,505	53,305	7,619	43	5,243	1,666	0
DIST_SEC_SERV	4,969,223	1,817,082	169,748	670	412,373	0	6,107	99	415,507	2,147,637	0
CUSTOMER	55,109,693	46,495,111	6,196,601	232,710	1,979,951	74,664	41,813	28,366	0	56,824	3,654
Total	295,477,336	162,072,662	19,051,350	397,887	66,164,748	43,217,315	356,026	53,058	1,574,486	2,572,796	17,008

RA MAYO 2 ABANDONMENT - WHS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

RA PRODUCTION REL

PROD_DEMAND	22,913,419	11,315,702	1,259,225	15,553	6,145,207	4,040,624	19,734	2,316	87,032	27,659	366
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	22,913,419	11,315,702	1,259,225	15,553	6,145,207	4,040,624	19,734	2,316	87,032	27,659	366

RA GRIDSOUTH

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL
RA SC DERP	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RA REPS DEFERRAL	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	(113,180,076)	(37,906,689)	(51,707,815)	(2,102,619)	(15,463,696)	(500,216)	(164,297)	(202,277)	(4,677,384)	(436,354)	(18,727)										
RA DSM/EE DEFERRAL	PROD_DEMAND	109,886,976	68,615,717	7,992,527	130,857	31,049,344	1,673,433	167,590	19,701	177,334	59,740	732										
	PROD_ENERGY	109,886,976	68,615,717	7,992,527	130,857	31,049,344	1,673,433	167,590	19,701	177,334	59,740	732										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	219,773,951	137,231,435	15,985,054	261,714	62,098,689	3,346,866	335,180	39,402	354,668	119,480	1,464										
RA PSNC PIPELINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7										
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	241,771	104,487	12,231	198	69,970	52,366	269	30	1,679	534	7										
RA POLLUTION CNTL DEFERRAL - SC	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RA EMISSION ALLOWANCE PROCEEDS - NCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	
RA DISTRIBUTION REL												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	2,460,405	1,574,762	147,273	580	472,274	235,254	15,135	85	10,303	3,274	1,463	
DIST_PRIMARY	2,416,641	1,619,629	151,999	597	487,473	125,820	15,566	88	10,596	3,368	1,505	
DIST_L_XFMR	2,218,023	1,499,696	140,695	553	450,060	99,751	14,257	81	9,812	3,118	0	
DIST_SEC_SERV	2,868,503	609,052	56,896	225	138,220	0	2,047	33	1,081,689	980,342	0	
CUSTOMER	9,460,670	7,966,144	1,061,339	39,861	358,558	15,689	6,973	3,961	3,961	7,641	504	
Total	19,424,242	13,269,283	1,558,202	41,815	1,906,585	476,514	53,978	4,249	1,112,400	997,743	3,472	
RA STORM REL REG ASSETS (LIABILITIES)- NCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	6,380,902	4,237,372	399,149	1,562	1,283,580	377,813	40,725	230	27,723	8,811	3,937	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	1,575,194	1,181,898	110,411	436	268,223	0	3,972	64	7,733	2,457	0	
CUSTOMER	20,111,527	17,148,808	2,287,276	85,902	541,442	2,696	10,814	11,147	11,147	22,551	891	
Total	28,067,622	22,568,078	2,796,835	87,900	2,093,245	380,508	55,511	11,441	35,456	33,819	4,828	
RA STORM REL REG ASSETS (LIABILITIES)- SCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
RA METER PLANT RETIREMENTS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
RA EMISSION ALLOWANCE PROCEEDS - NCR												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	1,457,218	629,769	73,722	1,195	421,729	315,625	1,620	180	10,119	3,216	43	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	11,503,875	8,111,943	1,064,478	39,952	2,006,905	232,026	43,864	685	0	0	4,020	



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
RL EDIT NC RETAIL - FED TAX CHANGE												
PROD_DEMAND	(660,131,938)	(326,003,576)	(36,278,078)	(448,073)	(177,042,426)	(116,409,743)	(568,543)	(66,735)	(2,507,367)	(796,865)	(10,532)	
PROD_ENERGY	(4,034,481)	(1,743,591)	(204,108)	(3,307)	(1,167,608)	(873,846)	(4,486)	(497)	(28,017)	(8,904)	(118)	
TRANSMISSION	(124,251,751)	(69,771,782)	(7,391,890)	(62,413)	(29,764,601)	(17,183,404)	(68,544)	(9,118)	0	0	0	
DIST_SUBS	(48,797,243)	(31,232,282)	(2,920,872)	(11,513)	(9,366,616)	(4,665,795)	(300,173)	(1,695)	(204,338)	(64,941)	(29,019)	
DIST_PRIMARY	(48,066,637)	(32,212,659)	(3,023,146)	(11,874)	(9,695,630)	(2,504,323)	(309,595)	(1,748)	(210,753)	(66,979)	(29,930)	
DIST_L_XFMR	(43,820,117)	(29,628,573)	(2,779,620)	(10,922)	(8,891,566)	(1,970,711)	(281,665)	(1,608)	(193,846)	(61,606)	0	
DIST_SEC_SERV	(56,820,334)	(12,097,375)	(1,130,112)	(4,459)	(2,745,407)	0	(40,658)	(657)	(21,363,214)	(19,438,452)	0	
CUSTOMER	(190,836,253)	(160,710,917)	(21,412,024)	(804,169)	(7,209,693)	(313,177)	(140,478)	(80,371)	(2,507,535)	(20,592,963)	(10,206)	
Total	(1,176,758,753)	(663,400,754)	(75,139,849)	(1,356,731)	(245,883,547)	(143,920,999)	(1,714,143)	(162,430)	(24,507,535)	(20,592,963)	(79,804)	
RL EDIT SC RETAIL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
RL EDIT WHL - FED TAX CHANGE												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	
RA OVER AMORTIZATIONS - NC RETAIL												
PROD_DEMAND	(1,936,871)	(956,516)	(106,442)	(1,315)	(519,454)	(341,554)	(1,668)	(196)	(7,357)	(2,338)	(31)	
PROD_ENERGY	(11,837)	(5,116)	(599)	(10)	(3,426)	(2,564)	(13)	(1)	(82)	(26)	(0)	
TRANSMISSION	(364,563)	(204,715)	(21,688)	(183)	(87,331)	(50,417)	(201)	(27)	0	0	0	
DIST_SUBS	(143,174)	(91,638)	(8,570)	(34)	(27,482)	(13,690)	(881)	(5)	(600)	(191)	(85)	
DIST_PRIMARY	(141,031)	(94,514)	(8,870)	(35)	(28,448)	(7,348)	(908)	(5)	(618)	(197)	(88)	
DIST_L_XFMR	(128,571)	(86,932)	(8,156)	(32)	(26,088)	(5,782)	(826)	(5)	(569)	(181)	0	
DIST_SEC_SERV	(166,715)	(35,495)	(3,316)	(13)	(8,055)	0	(119)	(2)	(62,681)	(57,034)	0	
CUSTOMER	(559,926)	(471,537)	(62,824)	(2,359)	(21,154)	(919)	(412)	(236)	(60,421)	(455)	(30)	
Total	(3,452,689)	(1,946,462)	(220,465)	(3,981)	(721,439)	(422,274)	(5,029)	(477)	(71,907)	(60,421)	(234)	
RA PLANT REL												
PROD_DEMAND	(10,187,056)	(5,030,838)	(559,838)	(6,915)	(2,732,092)	(1,796,418)	(8,774)	(1,030)	(38,693)	(12,297)	(163)	
PROD_ENERGY	(62,260)	(26,907)	(3,150)	(51)	(18,018)	(13,485)	(69)	(8)	(432)	(137)	(2)	
TRANSMISSION	(1,917,434)	(1,076,708)	(114,071)	(963)	(459,323)	(265,172)	(1,058)	(141)	0	0	0	
DIST_SUBS	(753,032)	(481,972)	(45,074)	(178)	(144,544)	(72,002)	(4,632)	(26)	(3,153)	(1,002)	(448)	
DIST_PRIMARY	(741,757)	(497,101)	(46,653)	(183)	(149,621)	(38,646)	(4,778)	(27)	(3,252)	(1,034)	(462)	
DIST_L_XFMR	(676,225)	(457,224)	(42,895)	(169)	(137,213)	(30,412)	(4,347)	(25)	(2,991)	(951)	0	
DIST_SEC_SERV	(876,843)	(186,685)	(17,440)	(69)	(42,367)	0	(627)	(10)	(329,674)	(299,971)	0	
CUSTOMER	(2,944,956)	(2,480,067)	(330,427)	(12,410)	(111,259)	(4,833)	(2,168)	(1,240)	(0)	(2,395)	(157)	
Total	(18,159,563)	(10,237,500)	(1,159,547)	(20,937)	(3,794,438)	(2,220,967)	(26,452)	(2,507)	(378,197)	(317,787)	(1,232)	

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
RA OTHER SC RETAIL REG ASSETS (LIABILITIES)	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RA OTHER NC RETAIL REG ASSETS (LIABILITIES)	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	174,439,231	75,387,785	8,825,055	143,006	50,483,957	37,782,551	193,945	21,508	1,211,356	384,980	5,088			
BOOK REGULATORY ASSETS	PROD_DEMAND	(366,628,726)	(166,709,698)	(18,194,774)	(192,584)	(96,748,586)	(82,356,845)	(242,813)	(28,471)	(1,632,607)	(515,476)	(6,871)			
	PROD_ENERGY	262,072,410	145,392,623	(30,290,181)	(1,754,214)	92,384,319	58,649,885	298,331	(149,857)	(2,657,276)	209,037	(10,255)			
	TRANSMISSION	(106,759,776)	(59,884,716)	(6,344,416)	(53,568)	(25,546,784)	(14,863,635)	(58,831)	(7,826)	0	0	0			
	DIST_SUBS	(37,480,840)	(23,989,309)	(2,243,502)	(8,843)	(7,194,436)	(3,583,766)	(230,561)	(1,302)	(156,951)	(49,881)	(22,289)			
	DIST_PRIMARY	(27,395,151)	(18,432,914)	(1,727,134)	(6,795)	(5,532,610)	(1,341,487)	(177,158)	(1,000)	(120,598)	(38,327)	(17,127)			
	DIST_L_XFMR	(37,547,224)	(25,387,214)	(2,381,714)	(9,358)	(7,618,730)	(1,688,602)	(241,345)	(1,378)	(166,097)	(52,787)	0			
	DIST_SEC_SERV	(43,686,493)	(7,697,137)	(719,051)	(2,837)	(1,746,807)	0	(25,869)	(418)	(18,459,300)	(15,035,074)	0			
	CUSTOMER	(82,153,433)	(70,464,636)	(9,400,148)	(353,083)	(1,850,704)	32,406	(27,815)	(30,949)	0	(58,037)	(467)			
	Total	(439,579,232)	(227,173,001)	(71,300,921)	(2,381,283)	(53,854,338)	(45,152,044)	(706,061)	(221,202)	(23,192,828)	(15,540,545)	(57,009)			
REGULATORY ASSET ADJUSTMENTS: ADIRA REMOVE DSM	PROD_DEMAND	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)			
	PROD_ENERGY	(109,886,976)	(68,615,717)	(7,992,527)	(130,857)	(31,049,344)	(1,673,433)	(167,590)	(19,701)	(177,334)	(59,740)	(732)			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
	Total	(219,773,951)	(137,231,435)	(15,985,054)	(261,714)	(62,098,689)	(3,346,866)	(335,180)	(39,402)	(354,668)	(119,480)	(1,464)			
ADIRA REMOVE REPS	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
	PROD_ENERGY	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727			
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
	Total	113,180,076	37,906,689	51,707,815	2,102,619	15,463,696	500,216	164,297	202,277	4,677,384	436,354	18,727			

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ADIRA REMOVE JAAR														
PROD_DEMAND	(44,392,629)	(21,923,126)	(2,439,632)	(30,132)	(11,905,770)	(7,828,336)	(38,233)	(4,488)	(168,616)	(53,588)	(708)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(44,392,629)	(21,923,126)	(2,439,632)	(30,132)	(11,905,770)	(7,828,336)	(38,233)	(4,488)	(168,616)	(53,588)	(708)			
ADIRA ADJUST RETIRED METERS														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)			
Total	(1,457,504)	(1,243,441)	(165,858)	(6,229)	(40,276)	(631)	(882)	(107)	0	0	(81)			
ADIRA NC COAL ASH DEFERRAL														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	423,600,817	183,068,494	21,430,389	347,269	122,593,097	91,749,540	470,967	52,229	2,941,606	934,870	12,356			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	423,600,817	183,068,494	21,430,389	347,269	122,593,097	91,749,540	470,967	52,229	2,941,606	934,870	12,356			
ADIRA ANNUAL/ REM EXP. REG ASSETS - PROD														
PROD_DEMAND	(12,930,007)	(6,385,433)	(710,579)	(8,776)	(3,467,731)	(2,280,118)	(11,136)	(1,307)	(49,112)	(15,608)	(206)			
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(12,930,007)	(6,385,433)	(710,579)	(8,776)	(3,467,731)	(2,280,118)	(11,136)	(1,307)	(49,112)	(15,608)	(206)			
ADIRA ANNUAL/ REM EXP. REG ASSETS - ENERGY														
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0			
PROD_ENERGY	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)			
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0			
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0			
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0			
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0			
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0			
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0			
Total	(59,871,316)	(25,874,718)	(3,028,950)	(49,083)	(17,327,186)	(12,967,788)	(66,566)	(7,382)	(415,764)	(132,134)	(1,746)			

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE													
		NC RETAIL	NC RES	NC SGS	NC SGCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL	
ADIRA ANNUAL/ REM EXP. REG ASSETS - DIST													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	(107,475)	(68,788)	(6,433)	(25)	(20,630)	(10,276)	(661)	(4)	(450)	(143)	(64)	(64)	(64)
DIST_PRIMARY	(105,563)	(70,748)	(6,640)	(26)	(21,294)	(5,496)	(680)	(4)	(463)	(147)	(66)	(66)	(66)
DIST_L_XFMR	(96,887)	(65,509)	(6,146)	(24)	(19,659)	(4,357)	(623)	(89)	(4)	(429)	(136)	0	0
DIST_SEC_SERV	(125,301)	(26,604)	(2,485)	(10)	(6,038)	0	0	(89)	(1)	(47,250)	(42,823)	0	0
CUSTOMER	(413,259)	(347,975)	(46,361)	(1,741)	(15,662)	(685)	(305)	(173)	(186)	0	(334)	(22)	(22)
Total	(848,485)	(579,625)	(68,065)	(1,827)	(83,283)	(20,815)	(2,358)	(186)	(48,592)	(43,583)	(152)	(152)	(152)
ADIRA ANNUAL/ REM EXP. REG ASSETS - PLANT													
PROD_DEMAND	957,160	472,690	52,601	650	256,703	168,789	824	97	3,636	1,155	15	15	15
PROD_ENERGY	5,850	2,528	296	5	1,693	1,267	7	1	41	13	0	0	0
TRANSMISSION	180,159	101,166	10,718	90	43,157	24,915	99	13	0	0	0	0	0
DIST_SUBS	70,754	45,285	4,235	17	13,581	6,765	435	2	296	94	42	42	42
DIST_PRIMARY	69,694	46,707	4,383	17	14,058	3,631	449	3	306	97	43	43	43
DIST_L_XFMR	63,537	42,960	4,030	16	12,892	2,857	408	2	281	89	0	0	0
DIST_SEC_SERV	82,387	17,541	1,639	6	3,981	0	59	1	30,976	28,185	0	0	0
CUSTOMER	276,703	233,023	31,046	1,166	10,454	454	204	117	236	35,535	29,859	15	15
Total	1,706,244	961,899	108,949	1,967	356,519	208,679	2,485	236	35,535	29,859	116	116	116
ADIRA ANNUAL/ REM EXP. REG ASSETS - STORM													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	(2,707,041)	(1,797,668)	(169,335)	(663)	(544,547)	(160,284)	(17,277)	(98)	(11,761)	(3,738)	(1,670)	(1,670)	(1,670)
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	(668,262)	(501,410)	(46,841)	(185)	(113,791)	0	(1,685)	(27)	(3,280)	(1,043)	0	0	0
CUSTOMER	(8,532,137)	(7,275,229)	(970,357)	(36,443)	(229,702)	(1,144)	(4,588)	(4,729)	0	(9,567)	(378)	(378)	(378)
Total	(11,907,440)	(9,574,307)	(1,186,533)	(37,291)	(888,041)	(161,427)	(23,550)	(4,854)	(15,042)	(14,347)	(2,048)	(2,048)	(2,048)
ADIRA DEFERRED SEVERANCE													
PROD_DEMAND	9,217,993	4,552,270	506,582	6,257	2,472,197	1,625,530	7,939	932	35,013	11,127	147	147	147
PROD_ENERGY	7,297,394	3,153,731	369,182	5,982	2,111,918	1,580,574	8,113	900	50,675	16,105	213	213	213
TRANSMISSION	734,094	417,297	44,210	373	178,019	93,731	410	55	0	0	0	0	0
DIST_SUBS	444,170	284,287	26,587	105	85,258	42,470	2,732	15	1,860	591	264	264	264
DIST_PRIMARY	684,738	456,160	42,914	168	137,873	38,858	4,384	25	2,984	948	424	424	424
DIST_L_XFMR	93,007	62,886	5,900	23	18,872	4,183	598	3	411	131	0	0	0
DIST_SEC_SERV	389,928	142,584	13,320	53	32,358	0	479	8	32,604	168,522	0	0	0
CUSTOMER	4,324,383	3,648,409	486,239	18,260	155,364	5,859	3,281	2,226	0	4,459	287	287	287
Total	23,185,707	12,717,623	1,494,934	31,222	5,191,858	3,391,204	27,937	4,163	123,548	201,884	1,335	1,335	1,335
ADIRA ADJUST STORM DEFERRAL													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	128,115,699	85,077,927	8,014,109	31,361	25,771,709	7,585,719	817,683	4,618	556,626	176,901	79,048	79,048	79,048
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	31,626,726	23,730,143	2,216,821	8,747	5,385,375	0	79,754	1,288	155,255	49,342	0	0	0
CUSTOMER	403,799,077	344,313,629	45,923,911	1,724,742	10,871,076	54,128	217,117	223,806	452,777	452,777	17,890	17,890	17,890
Total	563,541,502	453,121,699	56,154,842	1,764,850	42,028,161	7,639,847	1,114,554	229,712	711,881	679,019	96,938	96,938	96,938

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TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE		NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
ADIRA ADJUST STORM DEFERRAL-TRANS												
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	44,673,398	25,394,657	2,690,407	22,716	10,833,345	5,704,006	24,948	3,319	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	44,673,398	25,394,657	2,690,407	22,716	10,833,345	5,704,006	24,948	3,319	0	0	0	0
ADIRA ADJUST STORM DEFERRAL-PROD												
PROD_DEMAND	3,168,770	1,564,885	174,142	2,151	849,840	558,791	2,729	320	12,036	3,825	0	51
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,168,770	1,564,885	174,142	2,151	849,840	558,791	2,729	320	12,036	3,825	0	51
ADIRA ADJUST RETIRED PLANT - PROD												
PROD_DEMAND	65,212,359	32,204,868	3,583,797	44,264	17,489,465	11,499,752	56,165	6,593	247,695	78,720	1,040	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	65,212,359	32,204,868	3,583,797	44,264	17,489,465	11,499,752	56,165	6,593	247,695	78,720	1,040	0
ADIRA ADJUST ASHEVILLE CC												
PROD_DEMAND	26,864,406	13,266,882	1,476,355	18,235	7,204,832	4,737,354	23,137	2,716	102,039	32,429	429	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0
Total	26,864,406	13,266,882	1,476,355	18,235	7,204,832	4,737,354	23,137	2,716	102,039	32,429	429	0
TOTAL REG ASSETS ADJUSTMENTS												
PROD_DEMAND	(61,788,923)	(44,862,682)	(5,349,260)	(98,210)	(18,149,808)	6,808,329	(126,165)	(14,839)	5,356	(1,679)	36	0
PROD_ENERGY	374,325,845	129,641,007	62,486,205	2,275,935	91,793,874	79,190,377	409,228	228,324	7,076,608	1,195,469	28,818	0
TRANSMISSION	45,587,651	25,913,119	2,745,335	23,180	11,054,521	5,822,652	25,457	3,386	0	0	0	0
DIST_SUBS	407,449	260,784	24,389	96	78,210	38,959	2,506	14	1,706	542	242	0
DIST_PRIMARY	126,057,528	83,712,378	7,885,431	30,858	25,357,799	7,462,428	804,558	4,543	547,691	174,062	77,779	0
DIST_L_XFMR	59,657	40,337	3,784	15	12,105	2,683	383	2	264	84	0	0
DIST_SEC_SERV	31,305,478	23,362,253	2,182,454	8,612	5,301,885	0	78,518	1,268	168,305	202,183	0	0
CUSTOMER	397,997,263	339,328,416	45,258,621	1,699,755	10,751,253	57,980	214,828	221,140	0	447,560	17,710	0
Total	913,951,947	557,395,611	115,236,959	3,940,241	126,199,839	99,383,408	1,409,314	443,839	7,799,931	2,018,220	124,586	0

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE	NC		NC		NC		NC		NC		NC		NC		NC		NC	
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL							
ADI REGULATORY ASSETS	PROD_DEMAND	(428,417,649)	(211,572,380)	(23,544,034)	(290,794)	(114,898,395)	(75,548,516)	(368,978)	(43,310)	(1,627,251)	(517,156)	(6,835)						
	PROD_ENERGY	636,398,255	275,033,630	32,196,024	521,721	184,178,193	137,840,262	707,559	78,467	4,419,333	1,404,506	18,563						
	TRANSMISSION	(61,172,125)	(33,971,597)	(3,599,081)	(30,388)	(14,492,263)	(9,040,982)	(33,374)	(4,440)	0	0	0						
	DIST_SUBS	(37,073,391)	(23,728,525)	(2,219,113)	(8,747)	(7,116,226)	(3,544,808)	(228,055)	(1,288)	(155,245)	(49,338)	(22,047)						
	DIST_PRIMARY	98,662,377	65,279,464	6,158,297	24,063	19,825,189	6,120,941	627,400	3,543	427,093	135,734	60,653						
	DIST_L_XFMR	(37,487,567)	(25,346,877)	(2,377,930)	(9,343)	(7,606,625)	(1,685,919)	(240,961)	(1,376)	(165,833)	(52,703)	0						
	DIST_SEC_SERV	(12,381,015)	15,665,116	1,463,403	5,774	3,555,079	0	52,649	850	(18,290,995)	(14,832,891)	0						
	CUSTOMER	315,843,830	268,863,779	35,858,473	1,346,672	8,900,549	90,386	187,013	190,191	0	389,523	17,243						
	Total	474,372,715	330,222,609	43,936,038	1,558,958	72,345,501	54,231,364	703,254	222,637	(15,392,898)	(13,522,325)	67,577						



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

OPERATING RESERVES:  
OR LABOR RELATED

	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)
PROD_ENERGY	(16,792,073)	(7,257,067)	(849,528)	(13,766)	(4,859,746)	(3,637,068)	(18,670)	(2,070)	(116,609)	(37,059)	(490)
TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(53,352,760)	(29,264,593)	(3,440,000)	(71,844)	(11,947,014)	(7,803,519)	(64,286)	(9,580)	(284,297)	(464,556)	(3,071)
OR COAL MINES & ENERGY RELATED											
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(1,095,246)	(473,335)	(55,410)	(898)	(316,972)	(237,224)	(1,218)	(135)	(7,606)	(2,417)	(32)

BOOK OPERATING RESERVES

PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)
TOTAL OPERATING RESERVES											
PROD_DEMAND	(21,211,575)	(10,475,254)	(1,165,699)	(14,398)	(5,688,785)	(3,740,516)	(18,269)	(2,144)	(80,568)	(25,605)	(338)
PROD_ENERGY	(17,887,320)	(7,730,402)	(904,937)	(14,664)	(5,176,718)	(3,874,292)	(19,887)	(2,205)	(124,215)	(39,477)	(522)
TRANSMISSION	(1,689,228)	(960,244)	(101,732)	(859)	(409,640)	(215,685)	(943)	(125)	0	0	0
DIST_SUBS	(1,022,081)	(654,175)	(61,179)	(241)	(196,188)	(97,727)	(6,287)	(36)	(4,280)	(1,360)	(608)
DIST_PRIMARY	(1,575,655)	(1,049,672)	(98,749)	(387)	(317,260)	(89,416)	(10,088)	(57)	(6,868)	(2,183)	(975)
DIST_L_XFMR	(214,019)	(144,707)	(13,576)	(53)	(43,427)	(9,625)	(1,376)	(8)	(947)	(301)	0
DIST_SEC_SERV	(897,266)	(328,101)	(30,651)	(121)	(74,460)	0	(1,103)	(18)	(75,026)	(387,787)	0
CUSTOMER	(9,950,862)	(8,395,373)	(1,118,887)	(42,019)	(357,509)	(13,482)	(7,550)	(5,122)	(0)	(10,260)	(660)
Total	(54,448,007)	(29,737,928)	(3,495,410)	(72,742)	(12,263,986)	(8,040,743)	(65,503)	(9,715)	(291,902)	(466,973)	(3,103)

WORKING CAPITAL:

MATERIALS AND SUPPLIES:

WC MAT & SUP PLUS STORES EXP

PROD_DEMAND	278,664,554	137,617,400	15,314,233	189,147	74,735,740	49,140,584	240,002	28,171	1,058,447	336,384	4,446
PROD_ENERGY	1,328,236	574,027	67,197	1,089	384,401	287,688	1,477	164	9,224	2,931	39
TRANSMISSION	42,538,588	23,971,161	2,539,596	21,443	10,226,083	5,753,623	23,549	3,133	0	0	0
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	12,890
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	13,285
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	4,510
Total	494,677,061	279,956,258	31,767,760	584,549	102,174,486	59,381,014	741,235	69,496	10,838,125	9,128,968	35,170

DUKE ENERGY PROGRESS, LLC  
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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE

WC EMISSION ALLOWANCES

	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SUS	SFL
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,377,495	595,315	69,689	1,129	398,657	298,358	1,532	170	9,566	3,040	40

WC FUEL INVENTORY

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	134,455,359	58,107,867	6,802,231	110,227	38,912,340	29,122,270	149,490	16,578	933,697	296,738	3,922

WC EMISSION ALLOWANCE PROCEEDS - REPS

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	120,428,610	40,334,395	55,019,403	2,237,279	16,454,057	532,252	174,820	215,232	4,976,944	464,300	19,927

BOOK MATERIALS & SUPPLIES

PROD_DEMAND	278,664,554	137,617,400	15,314,233	189,147	74,735,740	49,140,584	240,002	28,171	1,058,447	336,384	4,446
PROD_ENERGY	257,589,699	99,611,604	61,958,520	2,349,724	56,149,454	30,240,568	327,318	232,144	5,929,430	767,009	23,928
TRANSMISSION	42,538,588	23,971,161	2,539,596	21,443	10,226,083	5,753,623	23,549	3,133	0	0	0
DIST_SUBS	21,675,882	13,873,473	1,297,460	5,114	4,160,679	2,072,560	133,338	753	90,768	28,847	12,890
DIST_PRIMARY	21,335,549	14,298,549	1,341,907	5,271	4,303,658	1,111,401	137,423	776	93,549	29,731	13,285
DIST_L_XFMR	19,484,569	13,174,314	1,235,955	4,856	3,953,626	876,275	125,242	715	86,193	27,393	0
DIST_SEC_SERV	25,247,895	5,371,616	501,805	1,980	1,219,047	0	18,053	292	9,499,945	8,635,156	0
CUSTOMER	84,401,788	71,075,718	9,469,607	355,649	3,191,253	138,882	62,150	35,493	0	68,526	4,510
Total	750,938,525	378,993,835	93,659,083	2,933,185	157,939,540	89,333,894	1,067,076	301,476	16,758,331	9,893,046	59,059

MATERIAL & SUPPLIES ADJUSTMENTS:

ADJWC REPS Inventory

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	(120,428,610)	(40,334,395)	(55,019,403)	(2,237,279)	(16,454,057)	(532,252)	(174,820)	(215,232)	(4,976,944)	(464,300)	(19,927)

DUKE ENERGY PROGRESS, LLC  
DOCKET NO. E-2 Sub 1219 E1 Item #45D "Proforma Adjusted at Proposed Rates"  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
TEST YEAR ENDING DECEMBER 31 2018

Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE													
ADIWC M&S Inventory - JAAR		RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL	
PROD_DEMAND	(36,622,206)	(18,085,733)	(2,012,603)	(24,858)	(9,821,800)	(6,458,075)	(31,541)	(3,702)	(139,101)	(44,208)	(584)		
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	
Total	(36,622,206)	(18,085,733)	(2,012,603)	(24,858)	(9,821,800)	(6,458,075)	(31,541)	(3,702)	(139,101)	(44,208)	(584)		
ADIWC FUEL INVENTORY													
PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	
PROD_ENERGY	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281		
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	
Total	9,641,254	4,166,682	487,761	7,904	2,790,248	2,088,241	10,719	1,189	66,952	21,278	281		
ADIWC RETIRED PLANT INVENTORY													
PROD_DEMAND	(3,914,277)	(1,933,051)	(215,112)	(2,657)	(1,049,780)	(690,256)	(3,371)	(396)	(14,868)	(4,725)	(62)		
PROD_ENERGY	(18,657)	(8,063)	(944)	(15)	(5,400)	(4,041)	(21)	(2)	(130)	(41)	(1)		
TRANSMISSION	(597,521)	(336,712)	(35,673)	(301)	(143,641)	(80,819)	(331)	(44)	0	0	0		
DIST_SUBS	(304,472)	(194,875)	(18,225)	(72)	(58,443)	(29,112)	(1,873)	(11)	(1,275)	(405)	(181)		
DIST_PRIMARY	(299,691)	(200,845)	(18,849)	(74)	(60,452)	(15,611)	(1,930)	(11)	(1,314)	(418)	(187)		
DIST_L_XFMR	(273,691)	(185,054)	(17,361)	(68)	(55,535)	(12,309)	(1,759)	(10)	(1,211)	(385)	0		
DIST_SEC_SERV	(354,646)	(75,453)	(7,049)	(28)	(17,123)	0	(254)	(4)	(133,442)	(121,294)	0		
CUSTOMER	(1,185,555)	(998,369)	(133,015)	(4,996)	(44,826)	(1,951)	(873)	(499)	(0)	(963)	(63)		
Total	(6,948,509)	(3,932,421)	(446,228)	(8,211)	(1,435,200)	(834,099)	(10,412)	(976)	(152,238)	(128,231)	(494)		
ADIWC ASHEVILLE CC INVENTORY													
PROD_DEMAND	2,088,103	1,031,202	114,753	1,417	560,014	368,223	1,798	211	7,931	2,521	33		
PROD_ENERGY	9,953	4,301	504	8	2,880	2,156	11	1	69	22	0		
TRANSMISSION	318,752	179,622	19,030	161	76,627	43,113	176	23	0	0	0		
DIST_SUBS	162,423	103,957	9,722	38	31,177	15,530	999	6	680	216	97		
DIST_PRIMARY	159,873	107,143	10,055	39	32,248	8,328	1,030	6	701	223	100		
DIST_L_XFMR	146,003	98,718	9,261	36	29,626	6,566	938	5	646	205	0		
DIST_SEC_SERV	189,189	40,251	3,760	15	9,135	0	135	2	71,185	64,705	0		
CUSTOMER	632,444	532,588	70,958	2,665	23,913	1,041	466	266	0	513	34		
Total	3,706,739	2,097,782	238,044	4,380	765,619	444,957	5,554	521	81,213	68,406	264		
TOT MATERIALS & SUPP ADJUSTS													
PROD_DEMAND	(38,448,380)	(18,987,582)	(2,112,961)	(26,097)	(10,311,567)	(6,780,108)	(33,114)	(3,887)	(146,038)	(46,412)	(613)		
PROD_ENERGY	(110,796,061)	(36,171,475)	(54,532,083)	(2,229,383)	(13,666,329)	1,554,103	(164,110)	(214,044)	(4,910,053)	(443,041)	(19,646)		
TRANSMISSION	(278,768)	(157,090)	(16,643)	(141)	(67,015)	(37,705)	(154)	(21)	0	0	0		
DIST_SUBS	(142,049)	(90,917)	(8,503)	(34)	(27,266)	(13,582)	(874)	(5)	(595)	(189)	(84)		
DIST_PRIMARY	(139,818)	(93,703)	(8,794)	(35)	(28,203)	(7,283)	(901)	(5)	(613)	(195)	(87)		
DIST_L_XFMR	(127,688)	(86,335)	(8,100)	(32)	(25,909)	(5,742)	(821)	(5)	(565)	(180)	0		
DIST_SEC_SERV	(165,457)	(35,202)	(3,288)	(13)	(7,989)	0	(118)	(2)	(62,256)	(56,589)	0		
CUSTOMER	(553,111)	(465,781)	(62,057)	(2,331)	(20,913)	(910)	(407)	(233)	(0)	(449)	(30)		
Total	(150,651,332)	(56,088,086)	(56,752,429)	(2,258,064)	(24,155,191)	(5,291,228)	(200,499)	(218,201)	(5,120,119)	(547,055)	(20,460)		

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE													
NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
ADI MATERIALS & SUPPLIES													
PROD_DEMAND	240,216,174	118,629,818	13,201,272	163,050	64,424,173	42,360,476	206,888	24,284	912,409	289,972	3,832		
PROD_ENERGY	146,793,638	63,440,129	7,426,437	120,342	42,483,126	31,794,672	163,208	18,099	1,019,377	323,968	4,282		
TRANSMISSION	42,259,819	23,814,070	2,522,954	21,302	10,159,068	5,715,918	23,395	3,112	0	0	0		
DIST_SUBS	21,533,833	13,782,556	1,288,957	5,080	4,133,413	2,058,978	132,464	748	90,173	28,658	12,806		
DIST_PRIMARY	21,195,731	14,204,846	1,333,113	5,236	4,275,455	1,104,118	136,523	771	92,936	29,536	13,198		
DIST_L_XFMR	19,356,881	13,087,979	1,227,855	4,824	3,927,716	870,532	124,422	710	85,629	27,214	0		
DIST_SEC_SERV	25,082,438	5,336,414	498,517	1,967	1,211,059	0	17,935	290	9,437,689	8,578,567	0		
CUSTOMER	83,848,677	70,609,937	9,407,550	353,319	3,170,340	137,972	61,743	35,261	0	68,077	4,480		
Total	600,287,192	322,905,749	36,906,654	675,121	133,784,349	84,042,665	866,577	83,275	11,638,212	9,345,991	38,598		

CASH WORKING CAPITAL:

WC DEFERRED DEBITS	PROD_DEMAND	2,613,502	1,290,668	143,627	1,774	700,922	460,873	2,251	264	9,927	3,155	42									
	PROD_ENERGY	15,973	6,903	808	13	4,623	3,460	18	2	111	35	0									
	TRANSMISSION	491,920	276,231	29,265	247	117,840	68,030	271	36	0	0	0									
	DIST_SUBS	193,191	123,650	11,564	46	37,083	18,472	1,188	7	809	257	115									
	DIST_PRIMARY	190,299	127,532	11,969	47	38,386	9,915	1,226	7	834	265	118									
	DIST_L_XFMR	173,486	117,301	11,005	43	35,202	7,802	1,115	6	767	244	0									
	DIST_SEC_SERV	224,955	47,894	4,474	18	10,869	0	161	3	84,578	76,958	0									
	CUSTOMER	755,532	636,264	84,771	3,184	28,544	1,240	556	318	0	615	40									
	Total	4,658,858	2,626,443	297,483	5,371	973,468	569,792	6,786	643	97,027	81,529	316									

WC PRELIMINARY SURVEY CHARGES

PROD_DEMAND	4,991,249	2,464,909	274,298	3,388	1,338,616	880,173	4,299	505	18,958	6,025	80
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
total	4,991,249	2,464,909	274,298	3,388	1,338,616	880,173	4,299	505	18,958	6,025	80

WC UNAMORTIZED DEBT EXPENSE

PROD_DEMAND	16,107,567	7,954,659	885,204	10,933	4,319,928	2,840,459	13,873	1,628	61,181	19,444	257										
PROD_ENERGY	98,443	42,545	4,980	81	28,490	21,322	109	12	684	217	3										
TRANSMISSION	3,031,808	1,702,468	180,366	1,523	726,272	419,284	1,673	222	0	0	0										
DIST_SUBS	1,190,678	762,084	71,271	281	228,550	113,848	7,324	41	4,986	1,585	708										
DIST_PRIMARY	1,172,851	786,006	73,766	290	236,578	61,107	7,554	43	5,142	1,634	730										
DIST_L_XFMR	1,069,234	722,953	67,824	266	216,959	48,086	6,873	39	4,730	1,503	0										
DIST_SEC_SERV	1,386,446	295,182	27,575	109	66,989	0	992	16	521,274	474,308	0										
CUSTOMER	4,656,505	3,921,431	522,465	19,622	175,920	7,642	3,428	1,961	0	3,787	249										
Total	28,713,534	16,187,328	1,833,452	33,105	5,999,688	3,511,748	41,826	3,963	597,997	502,479	1,947										

WC UNAMORTIZED LOSS ON REACQ DEBT

PROD_DEMAND	1,709,677	844,317	93,957	1,160	458,523	301,490	1,472	173	6,494	2,064	27										
PROD_ENERGY	10,449	4,516	529	9	3,024	2,263	12	1	73	23	0										
TRANSMISSION	321,800	180,702	19,144	162	77,087	44,503	178	24	0	0	0										
DIST_SUBS	126,380	80,889	7,565	30	24,259	12,084	777	4	529	168	75										
DIST_PRIMARY	124,488	83,428	7,830	31	25,111	6,486	802	5	546	173	78										
DIST_L_XFMR	113,490	76,735	7,199	28	23,028	5,104	729	4	502	160	0										
DIST_SEC_SERV	147,159	31,331	2,927	12	7,110	0	105	2	55,329	50,344	0										
CUSTOMER	494,247	416,226	55,455	2,083	18,672	811	364	208	0	402	26										
Total	3,047,690	1,718,143	194,605	3,514	636,814	372,741	4,439	421	63,472	53,334	207										

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE														
WC CUSTOMER DEPOSITS - FUNCTIONALIZED														
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total					
	(36,604,732)	(36,120,871)	(5,822,977)	(2,922,581)	(4,669,760)	(2,414,988)	(1,725,105)	(26,307,143)	(116,588,158)	(31,195,842)	(30,446,810)	(5,006,607)	(2,564,320)	(4,103,092)
										(4,020,281)	(4,018,908)	(629,731)	(282,033)	(448,405)
										(94,805)	(138,634)	(9,147)	(1,981)	(3,283)
										(1,248,837)	(1,457,425)	(173,559)	(64,404)	(100,003)
										(9,910)	(11,099)	(1,082)	(353)	(414)
										(15,365)	(21,947)	(1,514)	(7,366)	(11,327)
										(14,014)	(20,463)	(1,336)	(291)	(480)
										(0)	(0)	(0)	(0)	(0)
										(5,074)	(4,437)	(346)	(1,487)	(2,318)
										(605)	(1,147)	(0)	(0)	(0)
	</													

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - RATE BASE												

TOT CASH WORK CAPITAL ADJUSTS																			
PROD_DEMAND	28,044,450	13,849,642	1,541,205	19,036	7,521,311	4,945,447	24,153	2,835	106,521	33,853	447								
PROD_ENERGY	171,397	74,073	8,671	141	49,604	37,124	191	21	1,190	378	5								
TRANSMISSION	5,278,599	2,964,122	314,030	2,651	1,264,492	730,004	2,912	387	0	0	0								
DIST_SUBS	2,073,058	1,326,844	124,088	489	397,923	198,217	12,752	72	8,681	2,759	1,233								
DIST_PRIMARY	2,042,020	1,368,494	128,433	504	411,900	106,391	13,153	74	8,953	2,845	1,272								
DIST_L_XFMR	1,861,614	1,258,714	118,087	464	377,741	83,722	11,966	68	8,235	2,617	0								
DIST_SEC_SERV	2,413,904	513,934	48,011	189	116,633	0	1,727	28	907,576	825,806	0								
CUSTOMER	8,107,315	6,827,498	909,649	34,164	306,290	13,305	5,968	3,414	0	6,594	434								
Total	49,992,359	28,183,320	3,192,174	57,638	10,445,895	6,114,210	72,822	6,901	1,041,156	874,853	3,390								

TOT ADJUSTED WORKING CAPITAL																			
PROD_DEMAND	347,568,612	158,526,661	17,092,272	165,958	101,783,568	67,736,426	315,507	24,823	1,459,199	458,673	5,524								
PROD_ENERGY	111,522,075	33,360,366	3,450,496	(17,596)	41,271,497	31,967,528	142,205	(2,259)	1,025,275	321,405	3,159								
TRANSMISSION	62,593,370	33,495,284	3,449,306	25,294	16,251,325	9,332,154	36,310	3,696	0	0	0								
DIST_SUBS	25,946,263	15,912,951	1,445,978	4,830	5,476,962	2,759,969	170,219	712	120,888	38,073	15,680								
DIST_PRIMARY	23,759,430	14,949,285	1,339,650	3,740	5,634,521	1,480,681	171,785	554	124,651	39,178	15,385								
DIST_L_XFMR	23,518,531	15,417,941	1,409,666	4,868	5,207,802	1,166,115	160,523	717	114,722	36,177	0								
DIST_SEC_SERV	31,894,086	5,733,788	513,817	1,504	1,596,913	0	22,671	222	12,643,510	11,381,660	0								
CUSTOMER	86,420,083	72,447,723	9,186,890	227,986	4,179,650	185,118	77,612	19,865	0	90,113	5,127								
Total	713,222,449	349,844,001	37,888,076	416,585	181,402,237	114,627,991	1,096,832	48,330	15,488,245	12,365,279	44,875								



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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR

PRODUCTION LABOR:

LAB01 LABOR-PROD DEMAND REL  
LAB02 LABOR-PROD ENERGY REL

TOTAL PRODUCTION LABOR

PROD_DEMAND	131,428,149	64,905,277	7,222,739	89,209	35,248,042	23,176,453	113,193	13,286	499,201	158,651	2,097
PROD_ENERGY	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055
TRANSMISSION	131,428,149	64,905,277	7,222,739	89,209	35,248,042	23,176,453	113,193	13,286	499,201	158,651	2,097
DIST_SUBS	104,724,642	45,259,078	5,298,124	85,854	30,308,058	22,682,765	116,435	12,912	727,238	231,123	3,055
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	236,152,791	110,164,356	12,520,863	175,062	65,556,100	45,859,218	229,628	26,199	1,226,439	389,774	5,151

TRANSMISSION LABOR:

LAB04 LABOR-TRANS PROD REL  
LAB05 LABOR-TRANS PST REL

TOTAL TRANSMISSION LABOR

PROD_DEMAND	858,948	424,188	47,204	583	230,363	151,470	740	87	3,263	1,037	14
PROD_ENERGY	10,534,961	5,988,614	634,457	5,357	2,554,739	1,345,129	5,883	783	0	0	0
TRANSMISSION	858,948	424,188	47,204	583	230,363	151,470	740	87	3,263	1,037	14
DIST_SUBS	10,534,961	5,988,614	634,457	5,357	2,554,739	1,345,129	5,883	783	0	0	0
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	11,393,909	6,412,802	681,661	5,940	2,785,102	1,496,599	6,623	869	3,263	1,037	14

DISTRIBUTION LABOR:

LAB442 LABOR-SUPERVISION&ENGINEERING

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	49,551	31,715	2,966	12	9,511	4,738	305	2	207	66	29
DIST_PRIMARY	48,669	32,618	3,061	12	9,817	2,534	313	2	213	68	30
DIST_L_XFMR	44,669	30,203	2,833	11	9,064	2,009	287	2	198	63	0
DIST_SEC_SERV	57,770	12,266	1,146	5	2,784	0	41	1	21,784	19,743	0
CUSTOMER	190,531	160,433	21,375	803	7,221	316	140	80	0	154	10
Total	391,191	267,234	31,381	842	38,397	9,597	1,087	86	22,403	20,094	70

LAB12 LOAD DISPATCH

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	3,831,427	2,452,274	229,339	904	735,441	366,346	23,569	133	16,044	5,099	2,278

LAB13 LABOR-SUBSTATION

PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0
DIST_SUBS	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0
Total	1,505,177	963,376	90,096	355	288,918	143,919	9,259	52	6,303	2,003	895

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR	Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM													
	NC RETAIL	NC RES	NC SGS	NC SGSCLR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL			
LAB20 LABOR-OVERHEAD LINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	7,595,963	5,044,259	475,155	1,859	1,528,001	449,756	48,480	33,002	10,488	4,687	0	0	0
	DIST_L_XPMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	1,875,144	1,406,957	131,435	519	319,298	0	4,729	9,205	2,925	0	0	0	0
	CUSTOMER	23,941,193	20,414,309	2,722,823	102,260	644,545	3,209	12,873	13,269	26,845	1,061	0	0	0
	Total	33,412,300	26,865,525	3,329,413	104,638	2,491,844	452,965	66,082	42,207	40,259	5,747	0	0	0
LAB25 LABOR-UNDERGROUND LINE	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	1,211,487	819,006	76,594	302	245,016	54,830	7,871	5,358	1,703	761	0	0	0
	DIST_L_XPMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	509,646	382,397	35,723	141	86,782	0	1,285	2,502	795	0	0	0	0
	CUSTOMER	1,986,674	1,694,648	226,022	8,489	52,880	231	998	0	2,228	76	0	0	0
	Total	3,707,807	2,896,052	338,339	8,932	384,678	55,061	10,155	7,860	4,727	837	0	0	0
LAB26 LABOR-LINE TRANSFORMR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XPMR	399,304	269,986	25,329	100	81,023	17,958	2,567	1,766	561	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	192,473	164,016	21,877	822	5,291	30	115	0	216	1	0	0	0
	Total	591,777	434,001	47,206	921	86,314	17,987	2,682	1,766	777	1	0	0	0
LAB34 LABOR-METER	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XPMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	0	0	1,182	0	0	0
	Total	3,382,471	2,385,145	312,987	11,747	590,088	68,222	12,897	0	0	1,182	0	0	0
LAB35 LABOR-STREET LIGHT	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XPMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	2,001,283	0	0	0	0	0	0	0	2,001,283	0	0	0	0
	CUSTOMER	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2,001,283	0	0	0	0	0	0	0	2,001,283	0	0	0	0

## COS DETAIL - LABOR

LAB39 LABOR-RENTSLAB338 LABOR-MISCELLANEOUS

PROD_DEMAND	0	0	0	0	0	0	0	0	0
PROD_ENERGY	0	0	0	0	0	0	0	0	0
TRANSMISSION	0	0	0	0	0	0	0	0	0
DIST_SUBS	6,374,264	4,079,796	381,546	1,504	1,223,538	609,481	39,211	221	26,692
DIST_PRIMARY	9,826,653	6,546,333	615,854	2,413	1,978,606	557,651	62,917	355	42,830
DIST_L_XMR	1,334,741	902,473	84,666	333	270,833	60,027	8,579	49	5,904
DIST_SEC_SERV	5,595,846	2,046,218	191,153	754	464,374	0	6,877	111	467,902
CUSTOMER	36,836,929	30,867,161	4,111,389	154,401	1,535,983	78,971	31,845	18,202	36,259
total	59,968,433	44,441,982	5,384,608	159,405	5,473,334	1,306,130	149,429	18,938	543,329

[illegible]

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Summer Winter Peaking & Average (SWP&A) Demand Allocation with MINIMUM SYSTEM

COS DETAIL - LABOR	COS DETAIL - LABOR													
	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
	RETAIL	RES	SGS	SGCLR	MGS	LGS	SI	TSS	ALS	SLS	SFL			
SALES LABOR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	4,444,534	3,786,963	505,129	18,970	122,219	880	2,462	2,462	0	4,980	246	246	246
Total		4,444,534	3,786,963	505,129	18,970	122,219	880	2,462	2,462	0	4,980	246	246	246
CUST SERV & INFO LABOR	PROD_DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
	PROD_ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0
	TRANSMISSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0	0	0
	CUSTOMER	2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	111	111
Total		2,004,193	1,707,671	227,780	8,554	55,113	397	1,211	1,110	0	2,246	111	111	111
LAB&I LABOR-AGG LABOR REL	PROD_DEMAND	37,967,132	18,749,919	2,086,514	25,771	10,182,499	6,695,243	32,699	3,838	144,210	45,831	606	606	606
	TRANSMISSION	3,023,592	1,718,765	182,093	1,537	733,224	386,059	1,689	225	0	0	0	0	0
	DIST_SUBS	1,829,449	1,170,924	109,506	432	351,162	174,925	11,254	64	7,661	2,435	1,088	1,088	1,088
	DIST_PRIMARY	2,820,304	1,878,834	176,754	693	567,871	160,049	18,057	102	12,292	3,907	1,746	1,746	1,746
	DIST_L_XFMR	383,078	259,015	24,300	95	77,731	17,228	2,462	14	1,695	539	0	0	0
	DIST_SEC_SERV	1,606,039	587,276	54,862	216	133,278	0	1,974	32	134,291	694,110	0	0	0
	CUSTOMER	17,811,298	15,027,089	2,002,724	75,211	639,915	24,131	13,514	9,168	0	18,365	1,181	1,181	1,181
Total		95,497,446	52,381,430	6,157,343	128,596	21,384,261	13,967,715	115,067	17,148	508,870	831,520	5,497	5,497	5,497
TOTAL LABOR EXPENSE	PROD_DEMAND	170,254,229	84,079,385	9,356,457	115,562	45,660,905	30,023,166	146,633	17,212	646,674	205,519	2,716	2,716	2,716
	PROD_ENERGY	134,781,196	58,248,685	6,818,715	110,494	39,006,639	29,192,844	149,852	16,618	935,959	297,457	3,931	3,931	3,931
	TRANSMISSION	13,558,553	7,707,379	816,549	6,894	3,287,963	1,731,189	7,572	1,007	0	0	0	0	0
	DIST_SUBS	8,203,713	5,250,721	491,052	1,935	1,574,700	784,406	50,465	285	34,353	10,918	4,879	4,879	4,879
	DIST_PRIMARY	12,646,957	8,425,167	792,608	3,106	2,546,477	717,699	80,974	457	55,122	17,518	7,828	7,828	7,828
	DIST_L_XFMR	1,717,819	1,161,488	108,966	428	348,564	77,255	11,042	63	7,599	2,415	0	0	0
	DIST_SEC_SERV	7,201,885	2,633,494	246,016	971	597,651	0	8,851	143	602,193	3,112,566	0	0	0
	CUSTOMER	79,870,369	67,385,272	8,980,721	337,266	2,869,539	108,210	60,600	41,111	0	82,354	5,296	5,296	5,296
Total		428,234,721	234,891,591	27,611,084	576,656	95,892,439	62,634,770	515,988	76,896	2,281,900	3,728,748	24,650	24,650	24,650

**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219 E1 Item #45E "Performance Adjusted at Current Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31 2018**  
**Summer 1 CP Demand Allocation**

UNIT COST DETAIL - REVENUES																												
TOTAL FUNCTIONALIZED REVENUES																												
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	RETAIL	RES	SGS	SG&C/R	MGS	LG5	SI	TSS	ALS	SLS	SFL								
	1,018,186,487	1,466,813,175	126,329,757	57,381,982	97,960,545	42,788,128	106,177,397	423,236,812	3,339,374,283	492,389,955	633,342,106	75,711,143	35,323,015	3,228,051	5,855,179	2,502,627	21,070,862	357,265,520	203,062,449	3,464,617	862,068,456	164,341,296	946,431	71,295	7,499	299	18	
	59,760,249	75,711,143	7,125,504	3,228,051	63,308,456	27,432,238	1,934,327	46,945,369	1,689,619,166	59,290,118	74,836,945	1,226,260	5,567,336	11,592	21,005,088	9,640,814	5,337,613	16,242,881	203,062,449	3,464,617	862,068,456	281,226,923	1,896,002	182,451	11,028,113	3,219,073	45,148	
	59,487,013	7,125,504	35,323,015	3,228,051	63,308,456	27,432,238	21,070,862	357,265,520	1,689,619,166	59,487,013	7,125,504	3,228,051	3,228,051	11,592	21,005,088	9,640,814	5,337,613	16,242,881	203,062,449	3,464,617	862,068,456	20,902,152	140,880	8,448	0	0	0	
	97,960,545	63,308,456	5,855,179	21,547	21,005,088	5,938,450	848,181	3,374	771,194	97,960,545	63,308,456	5,855,179	21,547	21,005,088	5,938,450	848,181	3,374	771,194	125,592	83,485	0	0	0	0	0	0	0	
	42,788,128	27,432,238	2,502,627	8,759	9,640,814	2,270,139	436,196	1,438	443,266	42,788,128	27,432,238	2,502,627	8,759	9,640,814	2,270,139	436,196	1,438	443,266	52,650	0	0	0	0	0	0	0	0	
	106,177,397	21,070,862	1,934,327	7,127	5,337,613	0	100,778	1,121	52,976,575	106,177,397	21,070,862	1,934,327	7,127	5,337,613	0	100,778	1,121	52,976,575	24,749,043	32,438	0	0	0	0	0	0	0	
	423,236,812	357,265,520	46,945,369	1,670,706	585,870	403,072	201,356	0	389,601	423,236,812	357,265,520	46,945,369	1,670,706	585,870	403,072	201,356	0	389,601	213,307	3,339,374,283	1,689,619,166	203,062,449	3,464,617	862,068,456	164,341,296	946,431	71,295	7,499
	59,290,118	459,927	299,191,410	163,811,054	943,227	70,376	7,499	299	18	59,290,118	459,927	299,191,410	163,811,054	943,227	70,376	7,499	299	18	59,290,118	459,927	299,191,410	163,811,054	943,227	70,376	7,499	299	18	59,290,118
	74,836,945	1,194,291	458,369,141	276,810,774	1,892,480	8,916,181	1,428,913	44,870	0	74,836,945	1,194,291	458,369,141	276,810,774	1,892,480	8,916,181	1,428,913	44,870	0	74,836,945	1,194,291	458,369,141	276,810,774	1,892,480	8,916,181	1,428,913	44,870	0	0
	55,794,531	6,668,724	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817	5,077,824	55,794,531	6,668,724	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817	5,077,824	67,549	51,577	0	0	0	0	0	0	0	0
	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,387	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,387	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,387	60,494,271	5,589,515	20,394	20,230,427
	41,854,618	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	433,683	41,854,618	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	433,683	41,854,618	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	433,683	51,494	0	0	0
	105,026,306	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	105,026,306	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	105,026,306	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	24,382,775	31,447	0	0
	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	3,288,028,386	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	0	296,024	208,845	3,288,028,386	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078
	1,659,256,980	198,723,047	3,332,664	856,638,293	474,455,254	5,238,851	455,255	63,207,175	1,659,256,980	1,659,256,980	198,723,047	3,332,664	856,638,293	474,455,254	5,238,851	455,255	63,207,175	63,207,175	26,312,023	208,845	1,659,256,980	198,723,047	3,332,664	856,638,293	474,455,254	5,238,851	455,255	63,207,175
	294,137	2,421	1,357,641	770,167	3,415	351	0	0	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0
	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793	0	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035
	45,117	22,377	2,755	23	12,714	7,213	32	3	0	45,117	22,377	2,755	23	12,714	7,213	32	3	0	0	0	45,117	22,377	2,755	23	12,714	7,213	32	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	134,915,331	58,616,985	6,876,382	109,061	39,008,501	28,946,034	148,042	16,389	903,123	134,915,331	58,616,985	6,876,382	109,061	39,008,501	28,946,034	148,042	16,389	903,123	287,021	3,793	134,915,331	58,616,985	6,876,382	109,061	39,008,501	28,946,034	148,042	16,389
	58,995,981	457,506	297,833,769	163,040,887	939,812	70,025	7,499	299	18	58,995,981	457,506	297,833,769	163,040,887	939,812	70,025	7,499	299	18	58,995,981	457,506	297,833,769	163,040,887	939,812	70,025	7,499	299	18	
	68,257,455	1,087,673	420,780,995	248,642,120	1,747,885	162,814	8,013,059	1,141,892	1,324,126,198	68,257,455	1,087,673	420,780,995	248,642,120	1,747,885	162,814	8,013,059	1,141,892	41,077	0	1,324,126,198	68,257,455	1,087,673	420,780,995	248,642,120	1,747,885	162,814	8,013,059	1,141,892
	55,772,154	6,665,970	36,622,212	19,773,256	135,773	7,860	0	0	119,025,582	55,772,154	6,665,970	36,622,212	19,773,256	135,773	7,860	0	0	0	0	119,025,582	55,772,154	6,665,970	36,622,212	19,773,256	135,773	7,860	0	0
	34,606,303	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817	507,824	56,323,232	34,606,303	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817	507,824	67,549	51,577	0	56,323,232	34,606,303	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817
	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,387	93,841,055	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,387	84,569	80,932	0	60,494,271	5,589,515	20,394	20,230,427	5,760,188	822,759	3,204	754,387
	26,775,283	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	433,683	41,854,618	26,775,283	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	433,683	51,494	0	41,854,618	26,775,283	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	433,683
	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	24,382,775	105,026,306	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	24,382,775	31,447	0	105,026,306	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	24,382,775
	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	405,197,407	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	0	296,024	208,845	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652
	3,153,113,055	1,600,639,995	191,846,665	3,223,603	817,829,792	445,509,220	5,090,809	438,866	62,304,052	3,153,113,055	1,600,639,995	191,846,665	3,223,603	817,829,792	445,509,220	5,090,809	438,866	62,304,052	26,025,002	205,051	3,153,113,055	1,600,639,995	191,846,665	3,223,603	817,829,792	445,509,220	5,090,809	438,866

**DUKE ENERGY PROGRESS, LLC**  
 DOCKET NO. E-2 Sub 1219 E1 Item #45E "Performance Adjusted at Current Rates"  
 NORTH CAROLINA RETAIL COST OF SERVICE STUDY  
 TEST YEAR ENDING DECEMBER 31 2018  
 Summer 1 CP Demand Allocation

UNIT COST DETAIL - REVENUES																
FUNCTIONAL REVENUE for RATE DESIGN																
PROD_DEMAND	1,007,718,646	486,372,850	58,995,981	457,506	297,833,769	163,040,887	939,812	70,025	7,499	299	18					
PROD_ENERGY	1,324,126,198	574,301,228	68,257,455	1,087,673	420,730,995	248,642,120	1,747,885	162,814	8,013,059	1,141,892	41,077					
TRANSMISSION	119,025,592	55,772,154	6,665,970	48,368	36,622,212	19,773,256	135,773	7,860	0	0	0					
DIST_SUBS	56,323,232	34,606,303	3,159,888	11,266	11,913,644	5,481,349	522,015	1,817	507,824	67,549	51,577					
DIST_PRIMARY	93,841,055	60,494,271	5,589,515	20,994	20,230,427	5,760,188	822,759	3,204	754,397	84,969	80,932					
DIST_L_FPMR	41,854,618	26,775,283	2,440,170	8,471	9,473,822	2,233,702	430,598	1,395	439,683	51,494	0					
DIST_SEC_SERV	105,028,306	20,763,494	1,904,882	6,974	5,285,603	0	99,889	1,099	52,581,590	24,382,775	31,447					
CUSTOMER	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	0	296,024	205,051					
Total	3,153,113,055	1,600,639,995	191,846,665	3,223,603	817,829,792	445,509,220	5,090,809	438,866	62,304,052	26,025,002	205,051					
FUNCTIONAL REVENUE for RATE DESIGN																
Demand	1,423,789,450	684,784,354	78,756,406	552,979	381,359,477	196,289,381	2,950,846	85,399	54,290,993	24,587,086	132,527					
Energy	1,324,126,198	574,301,228	68,257,455	1,087,673	420,730,995	248,642,120	1,747,885	162,814	8,013,059	1,141,892	41,077					
Customer	405,197,407	341,554,412	44,832,804	1,582,951	15,739,319	577,718	392,078	190,652	0	296,024	31,447					
Total	3,153,113,055	1,600,639,995	191,846,665	3,223,603	817,829,792	445,509,220	5,090,809	438,866	62,304,052	26,025,002	205,051					
Billing Determinants																
Summer CP kW (DP adj @ meter)	3,690,872	454,333	3,739	2,099,254	1,204,485	5,292	4,754,792									
Adj kWh Sales (2 at meter)	16,666,046,589	1,950,982,004	31,614,397	11,178,964,878	8,457,791,022	43,075,313	780									
Year End No. Cust (C1)	1,199,988	160,062	6,011	38,728	279	851	78									
Unit Cost per Billing Determinants																
Demand \$/kW-Month	15.46	14.45	12.32	15.14	13.58	46.47	N/A	N/A	N/A	N/A	N/A					
Energy c/kWh	3.45	3.50	3.44	3.76	2.94	4.06	3.42	N/A	N/A	N/A	3.62					
Cust \$/Month	23.72	23.34	21.95	33.87	172.56	38.39	20.37	N/A	N/A	N/A	33.60					
Unit Costs - c/kWh																
Demand	4.11	4.04	1.75	3.41	2.32	6.85	1.80	N/A	N/A	N/A	11.68					
Energy	3.45	3.50	3.44	3.76	2.94	4.06	3.42	N/A	N/A	N/A	3.62					
Customer	2.05	2.30	5.01	0.14	0.01	0.91	4.01	N/A	N/A	N/A	2.77					
Total	9.60	9.83	10.20	7.32	5.27	11.82	9.23	N/A	N/A	N/A	18.07					



**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219 El Item HASE "Performance Adjusted at Proposed Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31 2018**  
**Summer 1 CP Demand Allocation**

UNIT COST DETAIL - REVENUES		RETAIL	RES	SGS	SGSCLR	MGS	LGS	SI	TSS	ALS	SIS	SFL	
TOTAL FUNCTIONALIZED REVENUES													
PROD_DEMAND	1,282,122,017	626,241,605	76,388,260	609,093	371,581,298	206,111,446	1,079,879	91,159	8,158	1,093	24		
PROD_ENERGY	1,514,975,721	654,439,481	77,573,814	1,237,025	473,053,166	292,058,709	1,934,176	185,420	11,115,698	3,332,280	45,952		
TRANSMISSION	188,033,623	90,482,610	10,982,048	85,519	55,074,505	31,224,483	1,171,405	13,053	0	0	0		
DIST_SUBS	81,160,326	50,875,491	4,698,115	17,631	16,397,144	7,830,120	631,120	2,718	543,533	102,545	61,909		
DIST_PRIMARY	126,702,377	83,031,948	7,727,134	29,186	26,505,309	7,349,986	978,807	4,452	811,263	168,539	95,752		
DIST_L_XFMR	63,903,727	42,074,311	3,891,128	14,452	13,695,576	3,136,142	532,134	2,242	473,525	84,417	0		
DIST_SEC_SERV	128,789,025	28,112,778	2,599,140	9,856	6,804,427	0	117,043	1,506	56,288,903	34,855,373	0		
CUSTOMER	539,648,791	454,607,494	60,034,532	2,117,752	20,541,117	992,694	462,263	252,135	12,982	531,159	36,663		
Total	3,925,335,607	2,029,865,718	243,904,171	4,180,515	983,652,542	548,703,580	5,906,826	552,687	69,253,862	39,072,407	240,300		
TOTAL SALES OF ELECTRICITY													
PROD_DEMAND	1,276,348,438	622,512,056	75,912,919	602,446	370,563,733	205,581,166	1,076,659	90,185	8,158	1,093	24		
PROD_ENERGY	1,502,739,722	651,941,966	76,746,860	1,206,957	472,456,836	287,642,623	1,930,792	182,040	9,003,766	1,542,201	45,682		
TRANSMISSION	180,698,739	86,725,993	10,516,178	81,334	53,093,690	30,102,783	1,66,318	12,443	0	0	0		
DIST_SUBS	80,070,482	50,131,307	4,626,979	17,276	16,220,690	7,744,129	625,081	2,665	539,768	101,325	61,262		
DIST_PRIMARY	122,556,723	80,194,767	7,458,927	28,007	25,730,086	7,171,722	953,358	4,278	794,467	127,914	93,196		
DIST_L_XFMR	62,936,299	41,387,352	3,825,430	14,133	13,577,987	3,099,703	526,500	2,195	469,442	83,259	0		
DIST_SEC_SERV	127,627,918	27,796,604	2,568,728	9,939	6,752,258	0	116,200	1,482	55,893,918	34,489,035	0		
CUSTOMER	521,011,388	438,813,486	57,908,748	2,088,716	20,037,999	984,542	451,259	241,306	12,982	437,577	35,672		
Total	3,873,989,709	1,995,503,531	239,564,769	4,048,562	978,422,379	542,326,668	5,846,166	536,593	66,722,800	36,782,404	235,837		
NON RECT SALES REVENUE													
PROD_DEMAND	4,817,627	2,389,495	294,137	2,421	1,357,641	770,167	3,415	351	0	0	0		
PROD_ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793		
TRANSMISSION	45,117	22,377	2,755	23	12,714	7,213	32	3	0	0	0		
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0		
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0		
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0		
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0		
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0		
Total	134,915,331	58,616,985	6,876,382	109,061	39,008,501	28,946,034	148,042	16,389	903,123	287,021	3,793		
FUNCTIONALIZED RECTS RATE SCHED REV													
PROD_DEMAND	1,271,530,812	620,122,561	75,618,782	600,026	369,206,092	204,810,999	1,073,243	89,834	8,158	1,093	24		
PROD_ENERGY	1,372,687,135	595,736,854	70,167,370	1,100,339	434,858,960	259,473,968	1,786,197	166,004	8,100,543	1,255,180	41,889		
TRANSMISSION	180,653,622	86,703,616	10,513,424	81,311	53,080,976	30,095,570	1,66,286	12,440	0	0	0		
DIST_SUBS	80,070,482	50,131,307	4,626,979	17,276	16,220,690	7,744,129	625,081	2,665	539,768	101,325	61,262		
DIST_PRIMARY	122,556,723	80,194,767	7,458,927	28,007	25,730,086	7,171,722	953,358	4,278	794,467	127,914	93,196		
DIST_L_XFMR	62,936,299	41,387,352	3,825,430	14,133	13,577,987	3,099,703	526,500	2,195	469,442	83,259	0		
DIST_SEC_SERV	127,627,918	27,796,604	2,568,728	9,939	6,752,258	0	116,200	1,482	55,893,918	34,489,035	0		
CUSTOMER	521,011,388	438,813,486	57,908,748	2,088,716	20,037,999	984,542	451,259	241,306	12,982	437,577	35,672		
Total	3,739,074,378	1,940,886,547	232,688,387	3,939,501	939,413,878	513,380,633	5,698,124	520,204	65,819,677	36,495,383	232,043		
Revenues for Rate Design, including Proposed Increase													
Present Revenues per Piro Exhibit 4, col. (B)		3,160,649,746	1,605,490,440	192,929,820	3,261,129	818,808,517	445,917,273	5,098,850	442,999	62,409,621	26,085,299	205,598	
Minus: Adjustments to Exclude per Piro Exhibit 4, col. (S)		72,209,674	63,014,384	19,155,966	296,747	(8,622,376)	(1,423,708)	(374,132)	(5,324)	120,775	50,480	(3,137)	
Plus: Target Revenue Increase for Rate Design per Piro Exhibit 4, col. (U)		601,920,163	353,600,992	44,896,890	781,041	120,303,758	67,654,117	562,753	80,560	9,882,033	4,130,569	26,580	
Proposed Revenues for Rate Design		3,884,779,583	2,022,105,817	256,582,675	4,338,916	930,489,899	512,148,281	5,287,471	518,035	72,413,099	30,266,348	229,041	

**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219 El Item HASE "Performance Adjusted at Proposed Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31 2018**  
**Summer 1 CP Demand Allocation**

UNIT COST DETAIL - REVENUES

	NC RETAIL	NC RES	NC SGS	NC SGSCR	NC MGS	NC LGS	NC SI	NC TSS	NC ALS	NC SLS	NC SFL
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**FUNCT REQTS RATE SCHED REV for RATE DESIGN**

PROD_DEMAND	1,304,076,866	646,072,507	83,513,910	660,861	365,698,812	204,319,358	995,897	89,460	8,975	907	23
PROD_ENERGY	1,407,872,382	620,666,345	77,493,332	1,211,900	430,727,742	258,851,110	1,657,469	165,312	8,912,117	1,040,946	41,347
TRANSMISSION	185,277,625	90,331,857	11,611,098	89,555	52,576,732	30,023,327	154,302	12,388	0	0	0
DIST_SUBS	82,119,963	52,229,325	5,110,068	19,027	16,066,601	7,725,540	580,033	2,654	593,839	84,031	60,470
DIST_PRIMARY	125,693,680	83,550,636	8,237,691	30,847	25,485,663	7,154,507	884,651	4,260	874,052	106,081	91,990
DIST_L_XFMR	64,547,214	43,119,267	4,224,831	15,566	13,399,477	3,092,262	488,556	2,186	516,797	69,048	0
DIST_SEC_SERV	130,894,678	28,959,794	2,896,921	10,676	6,688,115	0	107,826	1,476	61,493,037	28,602,444	0
CUSTOMER	534,347,175	457,176,286	63,954,824	2,300,486	19,846,756	982,178	418,738	240,300	14,283	362,892	35,211
<b>Total</b>	<b>3,834,779,583</b>	<b>2,022,105,817</b>	<b>256,982,675</b>	<b>4,338,916</b>	<b>930,489,899</b>	<b>512,148,281</b>	<b>5,287,471</b>	<b>518,035</b>	<b>72,413,099</b>	<b>30,266,348</b>	<b>229,041</b>

**FUNCT REVENUE for RATE DESIGN**

<b>Demand</b>	<b>1,892,610,026</b>	<b>944,263,186</b>	<b>115,534,519</b>	<b>826,531</b>	<b>479,915,401</b>	<b>252,314,993</b>	<b>3,211,264</b>	<b>112,423</b>	<b>63,486,700</b>	<b>28,862,511</b>	<b>152,484</b>
<b>Energy</b>	<b>1,407,872,382</b>	<b>620,666,345</b>	<b>77,493,332</b>	<b>1,211,900</b>	<b>430,727,742</b>	<b>258,851,110</b>	<b>1,657,469</b>	<b>165,312</b>	<b>8,912,117</b>	<b>1,040,946</b>	<b>41,347</b>
<b>Customer</b>	<b>534,347,175</b>	<b>457,176,286</b>	<b>63,954,824</b>	<b>2,300,486</b>	<b>19,846,756</b>	<b>982,178</b>	<b>418,738</b>	<b>240,300</b>	<b>14,283</b>	<b>362,892</b>	<b>35,211</b>
	<b>3,834,779,583</b>	<b>2,022,105,817</b>	<b>256,982,675</b>	<b>4,338,916</b>	<b>930,489,899</b>	<b>512,148,281</b>	<b>5,287,471</b>	<b>518,035</b>	<b>72,413,099</b>	<b>30,266,348</b>	<b>229,041</b>

**Billing Determinants**

Summer CP kW (DP adj @ meter)	3,690,872	454,333	3,739	2,099,254	1,204,485	5,292	4,754,792	1,134,908	78		
Adj kWh Sales (E2 at meter)	16,666,046,589	1,950,982,004	31,614,397	11,178,964,878	8,467,791,022	43,075,313	851	780			
Year End No. Cust (C1)	1,199,988	160,062	6,011	38,728	279						

**Unit Cost per Billing Determinants**

Demand \$/kW-Month	21.32	21.19	18.42	19.05	17.46	50.57	N/A	N/A	N/A	N/A	N/A
Energy €/kWh	3.72	3.97	3.83	3.85	3.06	3.85	3.48	3.64	3.64	3.64	3.64
Cust \$/Month	31.75	33.30	31.89	42.71	293.36	41.00	25.67	N/A	N/A	N/A	37.62

**Unit Costs - €/kWh**

Demand	5.67	5.92	2.61	4.29	2.98	7.45	2.36	N/A	N/A	N/A	13.44
Energy	3.72	3.97	3.83	3.85	3.06	3.85	3.48	3.64	3.64	3.64	3.64
Customer	2.74	3.28	7.28	0.18	0.01	0.97	5.05	N/A	N/A	N/A	3.10
<b>Total</b>	<b>12.13</b>	<b>13.17</b>	<b>13.72</b>	<b>8.32</b>	<b>6.06</b>	<b>12.27</b>	<b>10.90</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>20.18</b>

**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219 E1 Item #45E "Performance Adjusted at Current Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31 2018**  
**Summer Winter Peaking & Average (SNP&A) Demand Allocation with MINIMUM SYSTEM**

UNIT COST DETAIL - REVENUES																											
TOTAL FUNCTIONALIZED REVENUES																											
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	RETAIL	RES	SGS	SG&CLR	MGS	LGS	SI	TSS	ALS	SLS	SFL							
	1,016,681,300	1,468,068,524	126,053,688	58,264,917	99,318,922	43,816,909	100,005,362	426,998,981	3,339,208,603	484,852,256	633,309,046	76,040,005	35,337,338	6,179,188	27,445,492	21,077,749	357,435,074	203,009,580	3,465,644	861,666,640	480,682,459	5,299,275	471,518	65,761,277	28,612,348	213,404	
TOTAL SALES OF ELECTRICITY																											
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	1,011,117,914	1,455,431,968	118,860,000	57,204,621	95,197,453	42,881,927	98,853,930	408,449,290	1,659,228,707	198,704,080	3,333,141	856,789,731	474,494,808	5,239,247	455,332	63,217,775	26,315,392	208,889
	4,765,270	130,052,588	44,493	0	0	0	0	0	3,287,997,102	2,353,310	56,205,112	25,292	0	0	0	0	0	1,659,228,707	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	76
NON REQT SALES REVENUE																											
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	4,765,270 <td>130,052,588</td> <td>44,493</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1,659,228,707</td> <td>261,879</td> <td>3,234</td> <td>1,278,010</td> <td>840,323</td> <td>4,104</td> <td>482</td> <td>18,100</td> <td>5,752</td> <td>76</td>	130,052,588	44,493	0	0	0	0	0	1,659,228,707	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	76
	56,205,112	2,680	23	0	0	0	0	0	3,287,997,102	56,205,112	2,680	23	0	0	0	0	0	1,659,228,707	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	76
FUNCTIONALIZED REQT'S RATE SCHED REV																											
	PROD_DEMAND	PROD_ENERGY	TRANSMISSION	DIST_SUBS	DIST_PRIMARY	DIST_L_XFMR	DIST_SEC_SERV	CUSTOMER	Total	1,006,352,644 <td>1,325,379,380</td> <td>118,815,507</td> <td>57,204,621</td> <td>95,197,453</td> <td>42,881,927</td> <td>98,853,930</td> <td>408,449,290</td> <td>1,600,654,933</td> <td>191,860,031</td> <td>3,223,266</td> <td>817,862,785</td> <td>445,480,150</td> <td>5,090,524</td> <td>438,811</td> <td>62,296,552</td> <td>26,022,619</td> <td>205,020</td>	1,325,379,380	118,815,507	57,204,621	95,197,453	42,881,927	98,853,930	408,449,290	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	478,928,306	574,268,202	63,042,525	34,620,500	60,513,779	26,788,419	20,770,323	341,722,940	3,153,134,751	478,928,306	574,268,202	63,042,525	34,620,500	60,513,779	26,788,419	20,770,323	341,722,940	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	55,062,229	68,584,852	7,128,536	3,412,400	5,912,061	2,678,612	2,019,359	47,061,981	1,600,654,933	55,062,229	68,584,852	7,128,536	3,412,400	5,912,061	2,678,612	2,019,359	47,061,981	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	729,830,479	423,488,580	34,175,938	12,948,432	21,552,486	10,446,241	5,662,680	16,757,949	1,600,654,933	729,830,479	423,488,580	34,175,938	12,948,432	21,552,486	10,446,241	5,662,680	16,757,949	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	1,087,937	1,737,954	99,473	495,910	789,575	406,307	95,747	377,620	1,600,654,933	1,087,937	1,737,954	99,473	495,910	789,575	406,307	95,747	377,620	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	88,167	161,653	6,564	1,569	2,889	1,162	986	175,821	1,600,654,933	88,167	161,653	6,564	1,569	2,889	1,162	986	175,821	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	5,940,832	7,852,235	453,723	457,488	804,568	388,807	46,975,410	282,216	1,600,654,933	5,940,832	7,852,235	453,723	457,488	804,568	388,807	46,975,410	282,216	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	1,092,044	1,129,744	64,007	64,007	80,458	48,163	23,322,986	282,216	1,600,654,933	1,092,044	1,129,744	64,007	64,007	80,458	48,163	23,322,986	282,216	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020
	19,145	40,294	44,694	44,694	72,181	0	28,506	28,506	1,600,654,933	19,145	40,294	44,694	44,694	72,181	0	28,506	28,506	1,600,654,933	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020

**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219 E1 Item #45E "Performance Adjusted at Current Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31 2018**  
**Summer Winter Peaking & Average (SNP&A) Demand Allocation with MINIMUM SYSTEM**

UNIT COST DETAIL - REVENUES														
FUNCTIONAL REVENUE for RATE DESIGN														
PROD_DEMAND	1,006,352,644	478,928,306	55,062,229	573,670	292,830,479	170,729,836	1,087,937	88,167	5,940,832	1,092,044	19,145			
PROD_ENERGY	1,325,379,380	574,266,202	68,584,852	1,081,973	423,488,580	247,033,693	1,737,954	161,653	7,852,235	1,129,744	40,494			
TRANSMISSION	118,815,507	63,042,525	7,128,536	41,909	34,175,938	14,320,562	99,473	6,564	0	0	0			
DIST_SUBS	57,204,621	34,620,500	3,412,400	10,095	12,948,432	5,153,289	495,910	1,569	453,723	64,007	44,694			
DIST_PRIMARY	95,197,453	60,513,779	5,912,061	18,890	21,352,486	5,569,587	789,575	2,889	685,546	80,458	72,181			
DIST_L_FPMR	42,881,927	26,786,419	2,678,612	7,374	10,446,241	2,116,840	406,307	1,162	388,807	48,163	0			
DIST_SEC_SERV	98,853,930	20,770,323	2,019,359	6,439	5,662,680	0	95,747	986	46,975,410	23,322,986	0			
CUSTOMER	408,449,290	341,722,940	47,061,981	1,482,916	16,757,949	556,341	377,620	175,821	0	285,216	28,506			
Total	3,153,134,751	1,600,654,993	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020			
FUNCTIONAL REVENUE for RATE DESIGN														
Demand	1,419,306,081	684,663,851	76,213,197	658,377	377,616,256	197,890,115	2,974,950	101,338	54,444,318	24,607,659	136,020			
Energy	1,325,379,380	574,266,202	68,584,852	1,081,973	423,488,580	247,033,693	1,737,954	161,653	7,852,235	1,129,744	40,494			
Customer	408,449,290	341,722,940	47,061,981	1,482,916	16,757,949	556,341	377,620	175,821	0	285,216	28,506			
	3,153,134,751	1,600,654,993	191,860,031	3,223,266	817,862,785	445,480,150	5,090,524	438,811	62,296,552	26,022,619	205,020			
Billing Determinants														
Summer CP kW (DP adj @ meter)	3,690,872	454,333	3,739	2,099,254	1,204,485	5,292	4,754,792	1,134,508						
Adj kWh Sales (2 at meter)	16,666,046,589	1,950,982,004	31,614,397	11,176,964,878	8,457,791,022	43,075,313	4,754,792	1,134,508						
Year End No. Cust (C1)	1,199,988	160,062	6,011	38,728	279	851	780	78						
Unit Cost per Billing Determinants														
Demand \$/kW-Month	15.46	13.98	14.67	14.99	13.69	46.85	N/A	N/A	N/A	N/A	N/A			
Energy c/kWh	3.45	3.52	3.42	3.79	2.92	4.03	3.40	N/A	N/A	N/A	3.57			
Cust \$/Month	23.73	24.50	20.56	36.06	166.17	36.98	18.78	N/A	N/A	N/A	30.45			
Unit Costs - c/kWh														
Demand	4.11	3.91	2.08	3.38	2.34	6.91	2.13	N/A	N/A	N/A	11.99			
Energy	3.45	3.52	3.42	3.79	2.92	4.03	3.40	N/A	N/A	N/A	3.57			
Customer	2.05	2.41	4.69	0.15	0.01	0.88	3.70	N/A	N/A	N/A	2.51			
Total	9.60	9.83	10.20	7.32	5.27	11.82	9.23	N/A	N/A	N/A	18.06			

**DUKE ENERGY PROGRESS, LLC**  
**DOCKET NO. E-2 Sub 1219 El Item H45E "Performance Adjusted at Proposed Rates"**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY**  
**TEST YEAR ENDING DECEMBER 31 2018**  
**Summer Winter Peaking & Average (SNP&A) Demand Allocation with MINIMUM SYSTEM**

UNIT COST DETAIL - REVENUES																
TOTAL FUNCTIONALIZED REVENUES																
PROD_DEMAND	1,279,721,788	615,801,202	71,309,540	762,180	366,236,002	216,531,347	1,250,678	114,624	6,266,904	1,427,417	21,894					
PROD_ENERGY	1,516,670,903	654,285,332	77,987,243	1,234,111	476,554,608	290,192,325	1,923,063	184,248	10,947,961	3,316,720	45,291					
TRANSMISSION	187,704,669	102,075,655	11,518,189	76,536	50,608,653	23,287,858	126,403	11,365								
DIST_SUBS	82,224,525	50,803,261	5,025,373	16,023	17,694,003	7,442,963	601,739	2,393	486,739	97,951	54,080					
DIST_PRIMARY	128,340,567	82,944,481	8,144,566	27,152	28,160,829	7,130,390	941,516	4,041	739,078	162,702	85,811					
DIST_L_XFMR	65,141,518	42,006,035	4,200,231	12,935	14,914,477	3,001,100	504,794	1,366	419,914	80,096						
DIST_SEC_SERV	122,109,732	28,081,204	2,747,334	9,129	14,914,477	3,001,100	112,387	1,360	50,403,324	33,480,653						
CUSTOMER	543,256,225	454,275,797	62,918,826	2,043,477	21,807,813	967,930	446,009	552,856	69,276,903	39,082,729	240,396					
Total	3,925,169,927	2,030,272,969	243,851,303	4,181,542	983,250,716	548,553,913	5,906,590	252,856	69,276,903	39,082,729	240,396					
TOTAL SALES OF ELECTRICITY																
PROD_DEMAND	1,274,040,264	612,133,061	70,865,272	753,724	365,275,484	215,953,109	1,246,847	113,372	6,254,464	1,423,130	21,802					
PROD_ENERGY	1,504,432,932	651,788,223	77,158,763	1,204,066	475,997,376	285,776,244	1,919,688	180,876	8,836,029	1,526,645	45,023					
TRANSMISSION	180,427,822	97,830,341	11,061,897	72,432	48,926,601	22,403,331	122,456	10,765								
DIST_SUBS	81,133,329	50,059,247	4,953,017	15,680	17,517,191	7,356,973	595,724	2,343	482,974	96,732	53,448					
DIST_PRIMARY	124,193,174	80,107,502	7,874,804	25,990	27,385,149	6,952,127	916,097	3,670	722,282	122,078	83,273					
DIST_L_XFMR	64,172,801	41,319,238	4,133,382	12,629	14,746,550	2,964,661	499,182	1,891	416,330	78,938						
DIST_SEC_SERV	120,948,348	27,765,104	2,716,370	8,972	7,222,030	0	111,548	1,337	50,008,338	33,114,648						
CUSTOMER	524,609,755	438,482,543	60,782,299	1,955,546	21,303,435	959,778	435,019	222,216	12,982	423,601	32,336					
Total	3,873,958,425	1,995,485,259	239,545,803	4,048,039	978,373,817	542,366,222	5,846,562	556,670	66,733,400	36,785,773	235,881					
NON RECT SALES REVENUE																
PROD_DEMAND	4,765,270	2,353,310	261,879	3,234	1,278,010	840,323	4,104	482	18,100	5,752	76					
PROD_ENERGY	130,052,588	56,205,112	6,579,490	106,617	37,638,146	28,168,655	144,595	16,035	903,123	287,021	3,793					
TRANSMISSION	44,493	25,292	2,680	23	10,790	5,681	25	3								
DIST_SUBS	0	0	0	0	0	0	0	0	0	0	0					
DIST_PRIMARY	0	0	0	0	0	0	0	0	0	0	0					
DIST_L_XFMR	0	0	0	0	0	0	0	0	0	0	0					
DIST_SEC_SERV	0	0	0	0	0	0	0	0	0	0	0					
CUSTOMER	0	0	0	0	0	0	0	0	0	0	0					
Total	134,862,350	58,583,714	6,844,049	109,875	38,926,945	29,014,658	148,724	16,520	971,222	292,773	3,869					
FUNCTIONALIZED REQTS RATE SCHED REV																
PROD_DEMAND	1,269,724,994	609,779,751	70,603,393	750,490	363,997,475	215,112,786	1,242,743	112,890	6,236,364	1,417,378	21,726					
PROD_ENERGY	1,374,380,345	595,583,111	70,579,272	1,097,448	438,359,230	257,607,589	1,775,093	164,841	7,932,907	1,287,624	41,729					
TRANSMISSION	180,383,330	97,805,049	11,059,217	72,409	48,915,811	22,387,650	122,431	10,762								
DIST_SUBS	81,133,329	50,059,247	4,953,017	15,680	17,517,191	7,356,973	595,724	2,343	482,974	96,732	53,448					
DIST_PRIMARY	124,193,174	80,107,502	7,874,804	25,990	27,385,149	6,952,127	916,097	3,670	722,282	122,078	83,273					
DIST_L_XFMR	64,172,801	41,319,238	4,133,382	12,629	14,746,550	2,964,661	499,182	1,891	416,330	78,938						
DIST_SEC_SERV	120,948,348	27,765,104	2,716,370	8,972	7,222,030	0	111,548	1,337	50,008,338	33,114,648						
CUSTOMER	524,609,755	438,482,543	60,782,299	1,955,546	21,303,435	959,778	435,019	222,216	12,982	423,601	32,336					
Total	3,739,096,075	1,940,901,545	232,701,753	3,393,164	939,446,871	513,351,563	5,697,838	520,149	65,812,178	36,493,000	232,012					
Revenues for Rate Design, including Proposed Increase																
Present Revenues per Prrro Exhibit 4, col. (b)																
Minus: Adjustments to Exclude per Prrro Exhibit 4, col. (5)																
Plus: Target Revenue Increase for Rate Design per Prrro Exhibit 4, col. (1)																
Proposed Revenues for Rate Design	3,834,779,583	2,022,105,817	256,982,575	4,338,916	930,489,899	512,148,281	5,287,471	518,035	72,413,099	30,266,348	229,041					

**FUNCT REQ'TS RATE SCHED REV for RATE DESIGN**

PROD_DEMAND	1,301,755,755	635,291,978	77,970,400	826,651	360,527,012	214,608,567	1,153,239	112,431	6,861,867	1,175,536	21,448	NC
PROD_ENERGY	1,409,590,752	620,501,373	77,943,763	1,208,819	434,179,780	257,003,764	1,647,248	164,711	8,728,573	1,028,112	40,701	NC
TRANSMISSION	184,999,341	101,687,891	12,313,175	7,095,813	48,449,433	25,305,150	113,614	10,718	0	0	0	NC
DIST_SUBS	83,209,551	52,153,648	5,669,882	17,272	17,350,176	7,359,729	552,819	2,333	531,416	80,227	52,763	NC
DIST_PRIMARY	127,371,278	83,453,074	8,956,488	28,628	27,124,052	6,935,832	850,119	3,853	794,726	101,249	82,207	NC
DIST_L_CUSTOMER	65,814,984	43,047,970	4,564,673	13,910	15,955,951	2,957,712	463,530	1,883	458,088	65,570	27,464,311	NC
DIST_SEC_SERV	124,043,571	28,926,752	2,999,806	9,883	7,153,173	0	103,514	1,331	55,024,144	0	31,922	NC
CUSTOMER	538,034,524	456,827,964	67,124,559	2,153,997	21,100,322	957,528	403,688	221,312	14,284	351,324	0	NC
Total	3,834,779,583	2,022,105,817	256,582,675	4,338,916	990,489,899	512,148,281	5,287,871	518,035	72,413,099	30,266,548	229,041	NC

Customer	558,094,554	456,827,964	67,124,559	2,153,997	21,100,322	957,568	405,688	221,312	14,884	351,324	31,922
Energy	1,409,550,752	976,100	1,208,119	474,793,787	257,003,864	1,647,335	154,151	8,728,573	40,701	1,028,112	40,701
Demand	1,887,194,307	944,770,481	111,914,374	976,100	474,793,787	254,186,989	326,355	63,670,242	28,886,912	156,418	156,418

Year End No. Cust (ct.)	1,199,988	160,062	6,011	38,728	279	851	780	78
Ad'l kWh Sales (E at meter)	16,666,046,589	1,950,982,484	31,614,397	11,118,564,878	8,457,171,022	43,075,313	4,754,792	1,134,908
Summer CP kW (EP adj at meter)	3,650,872	454,333	3,739	2,099,254	1,204,485	5,292		

[illegible]

Demand	5.67	5.74	3.09	4.75	3.01	7.51	2.79	N/A	13.78
Energy	3.72	4.00	3.82	3.88	3.04	3.82	3.45	N/A	3.59
Customer	2.74	3.44	6.81	0.19	0.01	0.94	4.65	N/A	2.81
Total	12.13	13.17	13.72	8.52	6.06	12.27	10.90	N/A	20.18



DUKE ENERGY PROGRESS, LLC

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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS" AND "PROFORMA ADJUSTED AT CURRENT AND PROPOSED RATES"

TEST YEAR ENDING DECEMBER 31, 2018

Retail No. of Customers Allocation Factors

	Year End No. Customers (RMCC2)	No. Cust. Above PL	No. Cust. @PL and Lower	No. Cust. @ PL	No. Cust. @PT and Lower	No. Cust. @ PT	No. Cust. @ Sec	No. Cust. @ Sec w/ Meters
	(C1)		(C2)		(C8)		(C9)	(C5)
NC RES	1,199,988	0	1,199,988	0	1,199,988	0	1,199,988	1,199,988
NC SGS	160,062	0	160,062	4	160,058	45	160,013	160,013
NC SGS-CLR	6,011	0	6,011	0	6,011	0	6,011	6,011
NC MGS	38,728	4	38,724	13	38,711	4,156	34,555	34,555
NC SI	851	0	851	9	842	461	381	381
NC LGS	279	43	236	20	216	216	0	0
NC TSS	780	0	780	0	780	0	780	103
NC ALS	0	0	0	0	0	0	0	0
NC SLS	1,578	0	1,578	0	1,578	0	1,578	0
NC SFLS	78	0	78	71	7	7	0	0
Total NCR	1,408,355	47	1,408,308	117	1,408,191	4,885	1,403,306	1,401,051

SC RES	136,405	0	136,405	0	136,405	0	136,405	136,405	
SC SGS	24,553	0	24,553	1	24,552	63	24,489	24,489	
SC SGS-CLR	693	0	693	0	693	0	693	693	
SC MGS	6,363	1	6,362	1	6,361	954	5,407	5,407	
SC SI	301	0	301	2	299	175	124	124	
SC LGS	64	15	49	4	45	45	0	0	
SC TSS	185	0	185	0	185	0	185	0	
SC ALS	0	0	0	0	0	0	0	0	
SC SLS	229	0	229	0	229	0	229	0	
SC SFLS	16	0	16	12	4	4	0	0	
Total SCR	168,809	16	168,793	20	168,773	1,241	167,532	167,118	
Total System	1,577,164		1,577,101		1,576,964		1,570,838	1,568,169	

Customers

**DUKE ENERGY PROGRESS, LLC**  
**Docket E-2, SUB 1219 E1 Item 45F**  
**NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS" AND "PROFORMA**  
**ADJUSTED AT CURRENT AND PROPOSED RATES"**

TEST YEAR ENDING DECEMBER 31, 2018  
Retail No. of Meters Allocation Factor

	Year End No. Customers w/ Meters	Additional Meters - Totalized Accounts	Year End No. Meters (CK)
NCRS	1,199,988		1,199,988
NCSGS	160,062		160,062
NCSGSTCLR	6,011		6,011
NCMGS	38,728	141	38,869
NCSI	851		851
NCLGS	279	330	609
NCTSS	103		103
NCALS	0		0
NCSLS	0		0
NCSFL	78		78
Total NCR	1,406,100	471	1,406,571
SCRES	136,405		136,405
SCSGS	24,553		24,553
SCSGSTCLR	693		693
SCMGS	6,363	5	6,368
SCSI	301		301
SCLGS	64	77	141
SCTSS	0		0
SCALS	0		0
SCSLs	0		0
SCSFL	16		16
Total SCR	168,395	82	168,477

Meters

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS" AND "PROFORMA ADJUSTED AT CURRENT AND PROPOSED RATES"  
TEST YEAR ENDING DECEMBER 31, 2018  
Retail Distribution Demand Allocation Strings

	Total Class Peak (NCP) at T-D Subs	Total Class Peak (NCP) at Primary	Total Class Peak (NCP) at Line Trf	Total Class Peak (NCP) at Secondary	NCP w/ Secondary Service (x ALS/SLS)
	D3	D4	D8	D7	D9
NC RES	10,833,545	10,833,545	10,833,545	10,833,545	10,833,545
NC SGS	1,013,163	1,013,163	1,013,113	1,012,048	1,012,048
NC SGS-CLR	3,993	3,993	3,993	3,993	3,993
NC MGS	3,248,999	3,240,994	3,233,154	2,458,591	2,458,591
NC SI	104,121	104,121	102,990	36,410	36,410
NC LGS	1,368,665	725,278	645,629	0	0
NC TSS	588	588	588	588	78
NC ALS	70,879	70,879	70,879	70,879	0
NC SLS	22,526	22,526	22,526	22,526	0
NC SFLS	10,066	10,066	0	0	0
Total NCR	16,676,545	16,025,153	15,926,417	14,438,580	14,344,665
SC RES	1,463,974	1,463,974	1,463,974	1,463,974	1,463,974
SC SGS	170,302	170,302	170,302	169,611	169,611
SC SGS-CLR	568	568	568	568	568
SC MGS	487,989	487,835	484,125	335,240	335,240
SC SI	23,680	23,680	23,680	1,178	1,178
SC LGS	391,354	166,114	152,504	0	0
SC TSS	102	102	102	102	0
SC ALS	16,788	16,788	16,788	16,788	0
SC SLS	4,319	4,319	4,319	4,319	0
SC SFLS	1,328	1,328	0	0	0
Total SCR	2,560,403	2,335,008	2,316,361	1,991,779	1,970,571
Total Retail	19,236,948	18,360,161	18,242,778	16,430,359	16,315,236

Distribution

DUKE ENERGY PROGRESS, LLC  
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NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS" AND "PROFORMA ADJUSTED AT CURRENT AND PROPOSED RATES"  
TEST YEAR ENDING DECEMBER 31, 2018  
Energy Allocators

	kWh @ Meter	E-2 Allocation	kWh @ Prod Out.	E-1 Allocation
NC RES	16,666,046,589	0.261470	17,416,906,173	0.264097
NC SGS	1,950,982,004	0.030609	2,038,860,205	0.030916
NC SGS-CLR	31,614,397	0.000496	33,038,728	0.000501
NC MGS	11,178,964,878	0.175385	11,663,352,961	0.176855
NC SI	43,075,313	0.000676	44,807,202	0.000679
NC LGS	8,457,791,022	0.132693	8,728,935,826	0.132359
NC TSS	4,754,792	0.000075	4,969,011	0.000075
NC ALS	267,795,639	0.004201	279,860,703	0.004244
NC SLS	85,107,971	0.001335	88,942,362	0.001349
NC SFLS	1,134,908	0.000018	1,175,511	0.000018
Total NCR	38,687,267,513	0.606957	40,300,848,683	0.611093
Total NCWHS including NCEMPA	18,344,755,908	0.287807	18,682,169,387	0.283283
Total NC	57,032,023,421	0.894764	58,983,018,069	0.894376
SC RES	2,190,011,568	0.034359	2,288,678,709	0.034704
SC SGS	278,936,083	0.004376	291,483,609	0.004420
SC SGS-CLR	4,439,514	0.000070	4,639,529	0.000070
SC MGS	1,653,062,599	0.025935	1,724,140,413	0.026144
SC SI	18,492,882	0.000290	19,221,900	0.000291
SC LGS	2,281,052,993	0.035787	2,348,530,475	0.035611
SC TSS	855,613	0.000013	894,161	0.000014
SC ALS	63,427,856	0.000995	66,285,487	0.001005
SC SLS	16,316,405	0.000256	17,051,512	0.000259
SC SFLS	149,692	0.000002	155,048	0.000002
Total SCR	6,506,745,205	0.102083	6,761,080,842	0.102520
SCWHS	200,980,232	0.003153	204,676,844	0.003104
Total SC	6,707,725,437	0.105236	6,965,757,686	0.105624
Total System	63,739,748,858	1.000000	65,948,775,755	1.000000

DUKE ENERGY PROGRESS, LLC  
Docket E-2, SUB 1219 E1 Item 45F  
NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS" AND "PROFORMA ADJUSTED AT CURRENT AND PROPOSED RATES"  
TEST YEAR ENDING DECEMBER 31, 2018  
1 SUMMER CP, SUMMER WINTER PEAKING & AVERAGE (SWP&A) PRODUCTION DEMAND ALLOCATORS

Rate Schedule	E1 Prod Out. Level kWh	Ratio of Each Rate Schedule To Total	Col.(3) x Energy Weighting Factor	Summer CP Demand (KW)	Ratio of Each Rate Schedule To Total	Col.(6) x Demand Weighting Factor	Winter CP Demand (KW)	Ratio of Each Rate Schedule To Total	Col.(9) x Demand Weighting Factor	S/W P&A Allocation Factors
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
NC RES	17,416,906,173	0.264097	0.143861	3,850,873	0.305172	0.069468	5,755,959	0.383159	0.087221	30.0550%
NC SGS	2,038,860,205	0.030916	0.016841	474,027	0.037565	0.008551	531,484	0.035380	0.008054	3.3446%
NC SGS-CLR	33,038,728	0.000501	0.000273	3,901	0.000309	0.000070	4,607	0.000307	0.000070	0.0413%
NC MGS	11,663,352,961	0.176855	0.096337	2,187,952	0.173390	0.039470	1,809,014	0.120421	0.027412	16.3220%
NC SI	44,807,202	0.000679	0.000370	5,504	0.000436	0.000099	3,614	0.000241	0.000055	0.0524%
NC LGS	8,728,935,826	0.132359	0.072100	1,241,189	0.098361	0.022391	846,735	0.056365	0.012831	10.7321%
NC TSS	4,969,011	0.000075	0.000041	566	0.000045	0.000010	678	0.000045	0.000010	0.0062%
NC ALS	279,860,703	0.004244	0.002312	-	0.000000	0.000000	-	0.000000	0.000000	0.2312%
NC SLS	88,942,362	0.001349	0.000735	-	0.000000	0.000000	-	0.000000	0.000000	0.0735%
NC SFLS	1,175,511	0.000018	0.000010	-	0.000000	0.000000	-	0.000000	0.000000	0.0010%
Total NCR	40,300,848,683	0.611093	0.332878	7,764,011	0.615278	0.140060	8,952,091	0.595918	0.135653	60.8591%
Total NCWHS including NCEMPA	18,682,169,387	0.283283	0.154312	3,617,292	0.286661	0.065255	4,744,742	0.315845	0.071898	29.1464%
Total NC	58,983,018,069	0.894376	0.487190	11,381,303	0.901939	0.205315	13,696,834	0.911763	0.207551	90.0056%
SC RES	2,288,678,709	0.034704	0.018904	500,552	0.039667	0.009030	777,822	0.051778	0.011787	3.9720%
SC SGS	291,483,609	0.004420	0.002408	69,776	0.005530	0.001259	76,358	0.005083	0.001157	0.4823%
SC SGS-CLR	4,639,529	0.000070	0.000038	552	0.000044	0.000010	655	0.000044	0.000010	0.0058%
SC MGS	1,724,140,413	0.026144	0.014241	319,517	0.025321	0.005764	274,056	0.018243	0.004153	2.4158%
SC SI	19,221,900	0.000291	0.000159	3,033	0.000240	0.000055	4,159	0.000277	0.000063	0.0276%
SC LGS	2,348,530,475	0.035611	0.019398	298,421	0.023649	0.005383	143,886	0.009578	0.002180	2.6962%
SC TSS	894,161	0.000014	0.000007	101	0.000008	0.000002	118	0.000008	0.000002	0.0011%
SC ALS	66,285,487	0.001005	0.000548	-	0.000000	0.000000	-	0.000000	0.000000	0.0548%
SC SLS	17,051,512	0.000259	0.000141	-	0.000000	0.000000	-	0.000000	0.000000	0.0141%
SC SFLS	155,048	0.000002	0.000001	-	0.000000	0.000000	-	0.000000	0.000000	0.0001%
Total SCR	6,761,080,842	0.102520	0.055845	1,191,950	0.094459	0.021502	1,277,055	0.085010	0.019351	9.6699%
SCWHS	204,676,844	0.003104	0.001691	45,452	0.003602	0.000820	48,476	0.003227	0.000735	0.3245%
Total SC	6,965,757,686	0.105624	0.057536	1,237,402	0.098061	0.022322	1,325,530	0.088237	0.020086	9.9944%
Total System	65,948,775,755	1.000000	0.544726	12,618,705	1.000000	0.227637	15,022,364	1.000000	0.227637	100.0000%

Note 1: Excludes NCEMC Peaking Sale

Calculation of Load Factor for SWP&A Weights:

a Summer Peak - Col (5)	12,618,705
b Winter Peak - Col (8)	15,022,364
c Average for LF Calc	13,820,535
d Total E1 kWh - Col (2)	65,948,775,755
e Test Year Hours	8,760
f Load Factor (Energy Wgt)	54.4726%
g Peaks @ (1-LF)/2 each	22.7637%

DUKE ENERGY PROGRESS, LLC Docket E-2, SUB 1219 E1 Item 45F NORTH CAROLINA RETAIL COST OF SERVICE STUDY "PER BOOKS" AND "PROFORMA ADJUSTED AT CURRENT AND PROPOSED RATES" TEST YEAR ENDING DECEMBER 31, 2018 Transmission Demand Allocation Factors 1 SUMMER CP, SUMMER WINTER AVERAGE (SWP&A) TRANSMISSION DEMAND ALLOCATORS									
Rate Schedule	Summer DP Demand (kW)	Other C/A Load (kW)	Summer DT Demand (kW)	Summer DT Demand (Pct)	Winter DP Demand (kW)	Other C/A Load (kW)	Winter DT Demand (kW)	Winter DT Demand (Pct)	DT w/ ONL S/W Avg (Pct)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NC RES	3,850,873		3,850,873	29.596%	5,755,959		5,755,959	37.305%	33.450%
NC SGS	474,027		474,027	3.643%	531,484		531,484	3.445%	3.544%
NC SGS-CLR	3,901		3,901	0.030%	4,607		4,607	0.030%	0.030%
NC MGS	2,187,952		2,187,952	16.815%	1,809,014		1,809,014	11.724%	14.270%
NC SI	5,504		5,504	0.042%	3,614		3,614	0.023%	0.033%
NC LGS	1,241,189		1,241,189	9.539%	846,735		846,735	5.488%	7.513%
NC TSS	566		566	0.004%	678		678	0.004%	0.004%
NC ALS	0		0	0.000%	0		0	0.000%	0.000%
NC SLS	0		0	0.000%	0		0	0.000%	0.000%
NC SFLS	0		0	0.000%	0		0	0.000%	0.000%
Total NCR	7,764,011	-	7,764,011	59.670%	8,952,091	-	8,952,091	58.020%	58.845%
Total NCWHS including NCEMPA	3,617,292	392,900	4,010,191	30.820%	4,744,742	407,020	5,151,762	33.389%	32.105%
Total NC	11,381,303	392,900	11,774,203	90.490%	13,696,834	407,020	14,103,854	91.409%	90.950%
SC RES	500,552		500,552	3.847%	777,822		777,822	5.041%	4.444%
SC SGS	69,776		69,776	0.536%	76,358		76,358	0.495%	0.516%
SC SGS-CLR	552		552	0.004%	655		655	0.004%	0.004%
SC MGS	319,517		319,517	2.456%	274,056		274,056	1.776%	2.116%
SC SI	3,033		3,033	0.023%	4,159		4,159	0.027%	0.025%
SC LGS	298,421		298,421	2.293%	143,886		143,886	0.933%	1.613%
SC TSS	101		101	0.001%	118		118	0.001%	0.001%
SC ALS	0		0	0.000%	0		0	0.000%	0.000%
SC SLS	0		-	0.000%	0		-	0.000%	0.000%
SC SFLS	0		-	0.000%	0		-	0.000%	0.000%
Total SCR	1,191,950	-	1,191,950	9.161%	1,277,055	-	1,277,055	8.277%	8.719%
SCWHS	45,452	-	45,452	0.349%	48,476	-	48,476	0.314%	0.332%
Total SC	1,237,402	-	1,237,402	9.510%	1,325,530	-	1,325,530	8.591%	9.050%
Total System	12,618,705	392,900	13,011,605	100.000%	15,022,364	407,020	15,429,384	100.000%	100.000%



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 46**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

Provide the following Information pertaining to fuel costs and usage:

- a. Monthly Base Load Power Plant Performance Report filed in accordance with NCUC Rule R8-53 covering the last month in the test period.
- b. Monthly Fuel Report filed in accordance with NCUC Rule R8-52 covering the last month in the test period.
- c. File Schedules 7 and 9 from Monthly Fuel Report covering each month filed during the test period indicating affiliated purchases with an asterisk.
- d. A calculation showing the average (13 month) number of days' supply of coal on hand for the test year and each of the five (5) years preceding the test year (include a copy of all workpapers). Also, include a written detailed explanation of factors considered in determining what constitutes an average day's supply of coal.
- e. Show the derivation of daily burn rates (tons of coal per day) as used in developing the company's proposed working capital allowance.
- f. Actual and projected fuel costs for the two (2) calendar years succeeding the test year. The costs should be given in total dollars, cents per kWh generated, and cents per MBTU for each type of fuel. Data should also be supplied on the actual amount of each type of fuel used, the numbers of BTU's obtained for each type of fuel, and the kWh generated by each type of fuel.

**Response:**

- a. Please see attached file "Form E-1 46a - December 2018 PPPR.pdf "



Form E-1 46a -  
December 2018 PPPF

- b. Please see attached file "Form E-1 46b - December 2018 MFR.pdf "



Form E-1 46b -  
December 2018 MFR

- c. Please see attached file "Form E-1 46c - 2018 Schedules 7 and 9.xlsx"



Form E-1 46c - 2018  
Schedules 7 and 9.x

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 46**

d. Please see attached file "Form E-1 46d - Coal Inventory Data.xlsx"



Form E-1 46d - Coal  
Inventory Data.xlsx

e. Please see attached file "Form E-1 46e - December 2018 Coal Burn Rates.xlsx"



Form E-1 46e -  
December 2018 Coa

f. Please see attached file "Form E-1 46f - December 2018 Act - December 2020 Proj Fuel Costs.xlsx"



Form E-1 46f -  
December 2018 Act -

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January 29, 2019

**VIA ELECTRONIC FILING**

Ms. M. Lynn Jarvis  
Chief Clerk  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, NC 27699-4300

**RE: Docket No. E-2, Sub 1164  
Duke Energy Progress, LLC**

Dear Ms. Jarvis:

Enclosed is the Power Plant Performance Report for Duke Energy Progress, LLC for the month of December 2018. This report has been prepared in accordance with Commission Rule R8-53, as defined in the Commission's Order of May 1, 1984 in Docket No. E-100, Sub 47.

Sincerely,

*/s/ Robert W. Kaylor*

Robert W. Kaylor, P.A.

RWK/trh  
Enclosure

**Duke Energy Progress**  
**Base Load Power Plant Performance Review Plan**

Period: December, 2018

Station	Unit	Date of Outage	Duration of Outage	Scheduled / Unscheduled	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
Brunswick	1	None					
	2	None					
Harris	1	None					
	2	None					
Robinson	2	None					

# Duke Energy Progress Base Load Power Plant Performance Review Plan December 2018

## Lee Energy Complex

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
1B	12/8/2018 12:25:00 AM To 12/10/2018 5:35:00 AM	Sch	5120 Gas Turbine - Hydraulic Oil System	Replaced hydraulic oil conditioning pump. Repair leaking gasket on inlet bleed heat.	
1C	12/1/2018 12:33:00 AM To 12/3/2018 5:30:00 PM	Sch	4510 Generator Rotor Collector Rings	Replace generator collector blower motor.	

## Richmond County Station

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
7	12/6/2018 1:27:00 AM To 12/6/2018 5:09:00 AM	Unsch	5041 Gas Turbine - Fuel Piping And Valves	Failed solenoid on aux stop valve.	

## Sutton Energy Complex

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
1A	11/30/2018 12:00:00 PM To 12/1/2018 3:00:00 PM	Sch	5105 Gas Turbine - Diverter Dampers	Performing inspection on 01A CT bypass stack	
1A	12/6/2018 1:12:00 PM To 12/6/2018 4:31:00 PM	Sch	6134 Other Main Steam Valves (including Vent And Drain.	HRH Bypass valve repair	
1B	11/30/2018 12:00:00 PM To 12/1/2018 3:00:00 PM	Sch	5105 Gas Turbine - Diverter Dampers	Performing inspection on 01B CT bypass stack	
ST1	9/21/2018 12:16:00 AM To 12/11/2018 9:33:00 PM	Unsch	9000 Flood	Plant shutdown due to post hurricane flooding	

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.



**Duke Energy Progress**  
**Base Load Power Plant Performance Review Plan**

**December 2018**  
**Brunswick Nuclear Station**

	<u>Unit 1</u>		<u>Unit 2</u>	
(A) MDC (mW)	938		932	
(B) Period Hours	744		744	
(C) Net Gen (mWh) and Capacity Factor (%)	697,735	99.98	657,360	94.80
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	20,884	2.99	8,740	1.26
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-20,747	-2.97	27,308	3.94
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	697,872	100.00%	693,408	100.00%
(K) Equivalent Availability (%)		96.96		94.72
(L) Output Factor (%)		99.98		94.80
(M) Heat Rate (BTU/NkWh)		10,290		10,666

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\* Estimate  
FOOTNOTE: D and F Include Ramping Losses



**Duke Energy Progress**  
**Base Load Power Plant Performance Review Plan**

**December 2018**  
**Harris Nuclear Station**

	<u>Unit</u>	<u>1</u>
(A) MDC (mW)	932	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	741,912	107.00
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-48,504	-7.00
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	693,408	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		107.00
(M) Heat Rate (BTU/NkWh)		10,085

\* Estimate  
FOOTNOTE: D and F Include Ramping Losses

**Duke Energy Progress**  
**Base Load Power Plant Performance Review Plan**

**December 2018**  
**Robinson Nuclear Station**

Unit 2

(A) MDC (mW)	741	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	572,801	103.90
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	7,187	1.30
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-28,684	-5.20
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	551,304	100.00%
(K) Equivalent Availability (%)		98.70
(L) Output Factor (%)		103.90
(M) Heat Rate (BTU/NkWh)		10,152

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\* Estimate  
FOOTNOTE: D and F Include Ramping Losses

/A

**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
December 2018**

**Lee Energy Complex**

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	225	227	228	379	1,059
(B) Period Hrs	744	744	744	744	744
(C) Net Generation (mWh)	123,154	124,865	123,833	228,319	600,171
(D) Capacity Factor (%)	73.57	73.93	73.00	80.97	76.17
(E) Net mWh Not Generated due to Full Scheduled Outages	0	12,069	14,809	0	26,877
(F) Scheduled Outages: percent of Period Hrs	0.00	7.15	8.73	0.00	3.41
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	33,037	33,037
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	11.72	4.19
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	44,246	31,954	30,990	20,620	127,810
(N) Economic Dispatch: percent of Period Hrs	26.43	18.92	18.27	7.31	16.22
(O) Net mWh Possible in Period	167,400	168,888	169,632	281,976	787,896
(P) Equivalent Availability (%)	100.00	92.85	91.27	88.28	92.40
(Q) Output Factor (%)	83.31	79.62	80.13	80.97	80.98
(R) Heat Rate (BTU/NkWh)	8,861	9,203	9,232	4,164	7,222

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
December 2018**

**Richmond County Station**

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	112,762	107,601	121,632	341,995
(D) Capacity Factor (%)	80.19	76.52	93.42	83.12
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	699	0	0	699
(J) Forced Outages: percent of Period Hrs	0.50	0.00	0.00	0.17
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	303	303
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.23	0.07
(M) Net mWh Not Generated due to Economic Dispatch	27,155	33,015	8,265	68,435
(N) Economic Dispatch: percent of Period Hrs	19.31	23.48	6.35	16.63
(O) Net mWh Possible in Period	140,616	140,616	130,200	411,432
(P) Equivalent Availability (%)	99.50	100.00	99.77	99.76
(Q) Output Factor (%)	81.96	81.88	94.79	86.08
(R) Heat Rate (BTU/NkWh)	11,088	11,082	0	7,142

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
December 2018**

**Richmond County Station**

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	216	216	248	680
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	138,032	138,699	166,384	443,115
(D) Capacity Factor (%)	85.89	86.31	90.18	87.59
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	22,672	22,005	18,128	62,805
(N) Economic Dispatch: percent of Period Hrs	14.11	13.69	9.82	12.41
(O) Net mWh Possible in Period	160,704	160,704	184,512	505,920
(P) Equivalent Availability (%)	100.00	100.00	100.00	100.00
(Q) Output Factor (%)	85.89	86.31	90.18	87.59
(R) Heat Rate (BTU/NkWh)	11,137	11,049	0	6,928

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
December 2018**

**Sutton Energy Complex**

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	224	224	271	719
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	117,834	117,915	97,517	333,266
(D) Capacity Factor (%)	70.70	70.75	48.37	62.30
(E) Net mWh Not Generated due to Full Scheduled Outages	4,103	3,360	0	7,463
(F) Scheduled Outages: percent of Period Hrs	2.46	2.02	0.00	1.40
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0	70,880	70,880
(J) Forced Outages: percent of Period Hrs	0.00	0.00	35.15	13.25
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	44,719	45,381	33,227	123,327
(N) Economic Dispatch: percent of Period Hrs	26.83	27.23	16.48	23.05
(O) Net mWh Possible in Period	166,656	166,656	201,624	534,936
(P) Equivalent Availability (%)	97.54	97.98	64.85	85.35
(Q) Output Factor (%)	78.40	79.03	74.59	77.46
(R) Heat Rate (BTU/NkWh)	11,134	11,053	0	7,848

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Intermediate Power Plant Performance  
Review Plan  
December 2018**

**Mayo Station**

**Unit 1**

(A)	MDC (mW)	746
(B)	Period Hrs	744
(C)	Net Generation (mWh)	206,420
(D)	Net mWh Possible in Period	555,024
(E)	Equivalent Availability (%)	78.21
(F)	Output Factor (%)	41.82
(G)	Capacity Factor (%)	37.19

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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**Duke Energy Progress  
Intermediate Power Plant Performance  
Review Plan  
December 2018**

**Roxboro Station**

	<b>Unit 2</b>	<b>Unit 3</b>	<b>Unit 4</b>
<b>(A) MDC (mW)</b>	673	698	711
<b>(B) Period Hrs</b>	744	744	744
<b>(C) Net Generation (mWh)</b>	184,792	181,366	173,462
<b>(D) Net mWh Possible in Period</b>	500,712	519,312	528,984
<b>(E) Equivalent Availability (%)</b>	83.61	91.87	73.61
<b>(F) Output Factor (%)</b>	76.83	83.62	53.94
<b>(G) Capacity Factor (%)</b>	36.91	34.92	32.79

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy/Progress**  
**Base Load Power Plant Performance Review Plan**

**January 2018 - December 2018**  
**Brunswick Nuclear Station**

	<u>Unit 1</u>		<u>Unit 2</u>	
(A) MDC (mW)	938		932	
(B) Period Hours	0		0	
(C) Net Gen (mWh) and Capacity Factor (%)	7,094,066	94.35	7,532,901	100.83
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	0	0.00	0	0.00
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	0	100.00%	0	100.00%
(K) Equivalent Availability (%)	85.54		93.24	
(L) Output Factor (%)	98.16		95.62	
(M) Heat Rate (BTU/NkWh)	10,458		10,767	

\* Estimate  
FOOTNOTE: D and F Include Ramping Losses

**Duke Energy Progress**  
**Base Load Power Plant Performance Review Plan**

**January 2018 - December 2018**  
**Harris Nuclear Station**

Unit 1

(A) MDC (mW)	932	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	7,587,914	92.94
(D) Net mWh Not Gen due to Full Schedule Outages	756,318	9.26
* (E) Net mWh Not Gen due to Partial Scheduled Outages	20,006	0.25
(F) Net mWh Not Gen due to Full Forced Outages	97,689	1.20
* (G) Net mWh Not Gen due to Partial Forced Outages	-297,607	-3.65
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	8,164,320	100.00%
(K) Equivalent Availability (%)		89.02
(L) Output Factor (%)		103.80
(M) Heat Rate (BTU/NkWh)		10,364

\* Estimate  
FOOTNOTE: D and F Include Ramping Losses

**Duke Energy Progress**  
**Base Load Power Plant Performance Review Plan**

**January 2018 - December 2018**  
**Robinson Nuclear Station**

Unit 2

(A) MDC (mW)	741	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	5,276,118	81.28
(D) Net mWh Not Gen due to Full Schedule Outages	1,297,442	19.99
* (E) Net mWh Not Gen due to Partial Scheduled Outages	99,165	1.53
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-181,565	-2.80
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	6,491,160	100.00%
(K) Equivalent Availability (%)		78.71
(L) Output Factor (%)		101.59
(M) Heat Rate (BTU/NkWh)		10,451

\* Estimate  
FOOTNOTE: D and F Include Ramping Losses



/A

**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
January, 2018 through December, 2018**

**Lee Energy Complex**

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	225	227	228	379	1,059
(B) Period Hrs	8,760	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,440,885	1,443,265	1,463,994	2,862,522	7,210,666
(D) Capacity Factor (%)	73.10	72.58	73.30	86.22	77.73
(E) Net mWh Not Generated due to Full Scheduled Outages	73,316	85,738	88,863	132,069	379,986
(F) Scheduled Outages: percent of Period Hrs	3.72	4.31	4.45	3.98	4.10
(G) Net mWh Not Generated due to Partial Scheduled Outages	271,178	283,193	288,469	52,174	895,013
(H) Scheduled Derates: percent of Period Hrs	13.76	14.24	14.44	1.57	9.65
(I) Net mWh Not Generated due to Full Forced Outages	9,577	4,147	0	17,030	30,754
(J) Forced Outages: percent of Period Hrs	0.49	0.21	0.00	0.51	0.33
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	8,606	8,606
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.26	0.09
(M) Net mWh Not Generated due to Economic Dispatch	176,043	172,177	155,954	247,640	751,815
(N) Economic Dispatch: percent of Period Hrs	8.93	8.66	7.81	7.46	8.10
(O) Net mWh Possible in Period	1,971,000	1,988,520	1,997,280	3,320,040	9,276,840
(P) Equivalent Availability (%)	82.04	81.24	81.11	93.68	85.83
(Q) Output Factor (%)	77.68	76.39	77.07	90.71	81.94
(R) Heat Rate (BTU/NkWh)	9,069	9,151	9,060	4,469	7,258

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
January, 2018 through December, 2018**

**Richmond County Station**

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,264,040	1,249,912	1,409,376	3,923,328
(D) Capacity Factor (%)	76.35	75.49	91.94	80.99
(E) Net mWh Not Generated due to Full Scheduled Outages	90,764	90,900	58,514	240,178
(F) Scheduled Outages: percent of Period Hrs	5.48	5.49	3.82	4.96
(G) Net mWh Not Generated due to Partial Scheduled Outages	171,278	175,719	57,051	404,048
(H) Scheduled Derates: percent of Period Hrs	10.35	10.61	3.72	8.34
(I) Net mWh Not Generated due to Full Forced Outages	1,121	4,665	0	5,787
(J) Forced Outages: percent of Period Hrs	0.07	0.28	0.00	0.12
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	2,566	2,566
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.17	0.05
(M) Net mWh Not Generated due to Economic Dispatch	128,437	134,444	5,492	268,373
(N) Economic Dispatch: percent of Period Hrs	7.76	8.12	0.36	5.54
(O) Net mWh Possible in Period	1,655,640	1,655,640	1,533,000	4,844,280
(P) Equivalent Availability (%)	84.11	83.61	92.29	86.53
(Q) Output Factor (%)	81.15	81.03	96.01	85.89
(R) Heat Rate (BTU/NkWh)	11,315	11,138	0	7,194

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
January, 2018 through December, 2018**

**Richmond County Station**

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	216	216	248	680
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,476,943	1,487,809	1,933,643	4,898,395
(D) Capacity Factor (%)	78.06	78.63	89.01	82.23
(E) Net mWh Not Generated due to Full Scheduled Outages	105,660	105,516	125,182	336,358
(F) Scheduled Outages: percent of Period Hrs	5.58	5.58	5.76	5.65
(G) Net mWh Not Generated due to Partial Scheduled Outages	204,932	200,535	0	405,468
(H) Scheduled Derates: percent of Period Hrs	10.83	10.60	0.00	6.81
(I) Net mWh Not Generated due to Full Forced Outages	4,108	277	0	4,385
(J) Forced Outages: percent of Period Hrs	0.22	0.01	0.00	0.07
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	805	805
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.04	0.01
(M) Net mWh Not Generated due to Economic Dispatch	100,517	98,022	112,850	311,389
(N) Economic Dispatch: percent of Period Hrs	5.31	5.18	5.19	5.23
(O) Net mWh Possible in Period	1,892,160	1,892,160	2,172,480	5,956,800
(P) Equivalent Availability (%)	83.37	83.81	94.20	87.46
(Q) Output Factor (%)	83.41	83.34	94.45	87.42
(R) Heat Rate (BTU/NkWh)	11,282	11,257	0	6,821

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Base Load Power Plant  
Performance Review Plan  
January, 2018 through December, 2018**

**Sutton Energy Complex**

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	224	224	271	719
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,101,793	1,113,940	1,208,835	3,424,568
(D) Capacity Factor (%)	56.15	56.77	50.92	54.37
(E) Net mWh Not Generated due to Full Scheduled Outages	251,869	273,175	252,956	778,001
(F) Scheduled Outages: percent of Period Hrs	12.84	13.92	10.66	12.35
(G) Net mWh Not Generated due to Partial Scheduled Outages	220,747	203,720	45,547	470,015
(H) Scheduled Derates: percent of Period Hrs	11.25	10.38	1.92	7.46
(I) Net mWh Not Generated due to Full Forced Outages	132,765	167,209	572,998	872,971
(J) Forced Outages: percent of Period Hrs	6.77	8.52	24.14	13.86
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	16,823	16,823
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.71	0.27
(M) Net mWh Not Generated due to Economic Dispatch	255,065	204,196	276,801	736,063
(N) Economic Dispatch: percent of Period Hrs	13.00	10.41	11.66	11.69
(O) Net mWh Possible in Period	1,962,240	1,962,240	2,373,960	6,298,440
(P) Equivalent Availability (%)	69.15	67.18	62.58	66.06
(Q) Output Factor (%)	77.60	78.57	78.16	78.11
(R) Heat Rate (BTU/NkWh)	11,406	11,395	0	7,376

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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**Duke Energy Progress  
Intermediate Power Plant  
Performance Review Plan  
January, 2018 through December, 2018**

**Mayo Station**

<b>Units</b>	<b>Unit 1</b>
(A) MDC (mW)	746
(B) Period Hrs	8,760
(C) Net Generation (mWh)	1,491,333
(D) Net mWh Possible in Period	6,534,960
(E) Equivalent Availability (%)	69.68
(F) Output Factor (%)	39.69
(G) Capacity Factor (%)	22.82

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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**Duke Energy Progress  
Intermediate Power Plant  
Performance Review Plan  
January, 2018 through December, 2018**

**Roxboro Station**

<b>Units</b>	<b>Unit 2</b>	<b>Unit 3</b>	<b>Unit 4</b>
<b>(A) MDC (mW)</b>	673	698	711
<b>(B) Period Hrs</b>	8,760	8,760	8,760
<b>(C) Net Generation (mWh)</b>	1,895,094	1,530,179	1,678,155
<b>(D) Net mWh Possible in Period</b>	5,895,480	6,114,480	6,228,360
<b>(E) Equivalent Availability (%)</b>	76.80	62.55	53.55
<b>(F) Output Factor (%)</b>	53.02	50.76	55.79
<b>(G) Capacity Factor (%)</b>	32.14	25.03	26.94

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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/A  
LAW OFFICE OF  
**ROBERT W. KAYLOR, P.A.**  
353 EAST SIX FORKS ROAD, SUITE 260  
RALEIGH, NORTH CAROLINA 27609  
(919) 828-5250  
FACSIMILE (919) 828-5240

February 19, 2019

**VIA ELECTRONIC FILING**

Ms. M. Lynn Jarvis  
Chief Clerk  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, NC 27699-4300

**RE: Docket No. E-2, Sub 1164  
Duke Energy Progress, LLC**

Dear Ms. Jarvis:

Commission Rule R8-52 requires that on or before the 15<sup>th</sup> day of each month, each public utility that uses fossil and/or nuclear fuel in the generation of electric power for providing North Carolina retail electric service shall file a fuel report for the second preceding month for review by the Commission, the Public Staff and any other interested party. Enclosed for filing with the Commission please find Duke Energy Progress, LLC's monthly fuel report pursuant to NCUC Rule R8-52 for the month of December 2018.

Duke Energy Progress inadvertently missed this filing date and regrets any inconvenience that the oversight may have caused.

Should you have any questions or need further assistance, please contact me.

Sincerely,

*/s/ Robert W. Kaylor*

Robert W. Kaylor

RWK/trh  
Enclosure



## Schedule 1

Duke Energy Progress  
Summary of Monthly Fuel Report

Docket No. E-2, Sub 1164

Line No.	Fuel Expenses:	December 2018	12 Months Ended December 2018
1	Total Fuel and Fuel-Related Costs	\$ 202,931,456	\$ 1,895,989,550
	MWH sales:		
2	Total System Sales	5,578,463	69,321,940
3	Less intersystem sales	750,335	5,547,604
4	Total sales less intersystem sales	4,828,128	63,774,336
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	4.203	2.973
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4, Line 5a Total)	2.256	
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal	890,164	8,603,387
8	Oil	11,361	350,363
9	Natural Gas - Combustion Turbine	168,409	4,193,549
10	Natural Gas - Combined Cycle	1,718,011	19,454,158
11	Biogas	535	2,789
12	Total Fossil	2,788,480	32,604,246
13	Nuclear	2,669,808	27,490,999
14	Hydro - Conventional	90,128	805,640
15	Solar Distributed Generation	12,126	235,193
16	Total MWH generation	5,560,542	61,136,078

Notes: Detail amounts may not add to totals shown due to rounding.

## Schedule 2

Duke Energy Progress  
Details of Fuel and Fuel-Related Costs

Docket No. E-2, Sub 1164

Description	December 2018	12 Months Ended December 2018
<b>Fuel and Fuel-Related Costs:</b>		
<b>Steam Generation - Account 501</b>		
0501110 coal consumed - steam	\$ 34,453,367	\$ 307,900,875
0501310 fuel oil consumed - steam	1,404,117	10,490,738
Total Steam Generation - Account 501	35,857,484	318,391,613
<b>Nuclear Generation - Account 518</b>		
0518100 burnup of owned fuel	16,323,865	184,163,880
<b>Other Generation - Account 547</b>		
0547000 natural gas consumed - Combustion Turbine	18,456,887	185,884,718
0547000 natural gas consumed - Combined Cycle	54,365,629	649,230,756
0547106 biogas consumed - Combined Cycle	44,669	179,596
0547200 fuel oil consumed	1,051,520	63,615,887
Total Other Generation - Account 547	73,918,705	898,910,957
<b>Reagents</b>		
Catalyst Depreciation	131,225	2,737,099
Reagents (lime, limestone, ammonia, urea, dibasic acid, and sorbents)	2,048,497	17,128,899
Total Reagents	2,179,721	19,865,998
<b>By-products</b>		
Net proceeds from sale of by-products	72,561,504	85,600,935
Total By-products	72,561,504	85,600,935
<b>Total Fossil and Nuclear Fuel Expenses Included in Base Fuel Component</b>	200,841,279	1,506,933,383
<b>Purchased Power and Net Interchange - Account 555</b>		
Capacity component of purchased power (PURPA)	636,198	26,295,307
Capacity component of purchased power (renewables)	1,413,993	42,177,805
Fuel and fuel-related component of purchased power	28,818,399	527,852,191
Total Purchased Power and Net Interchange - Account 555	30,868,590	596,325,303
<b>Less fuel and fuel-related costs recovered through intersystem sales - Account 447</b>	28,778,413	207,269,136
<b>Total Fuel and Fuel-Related Costs</b>	\$ 202,931,456	\$ 1,895,989,550



**Schedule 3, Purchases**  
**Page 1 of 4**

NOTES: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS  
INTERSYSTEM SALES\*  
SYSTEM REPORT - NORTH CAROLINA VIEW

DECEMBER 2018

Schedule 3, Sales  
Page 2 of 4

Sales	Total	Capacity	Non-capacity		
	\$	\$	mWh	Fuel \$	Non-fuel \$
<b>Market Based:</b>					
NCCEMC Purchase Power Agreement	\$ 1,056,030	\$ 652,500	8,542	\$ 430,878	\$ (27,348)
PJM Interconnection, LLC.	414	-	-	-	414
<b>Other:</b>					
DE Carolinas - Native Load Transfer Benefit	1,156,134	-	-	1,156,134	-
DE Carolinas - Native Load Transfer	27,946,872	-	741,793	27,191,401	755,471
Generation Imbalance	(73)	-	-	-	(73)
<b>Total Intersystem Sales</b>	<b>\$ 30,159,377</b>	<b>\$ 652,500</b>	<b>750,335</b>	<b>\$ 28,778,413</b>	<b>\$ 728,464</b>

\* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

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DUKE ENERGY PROGRESS  
PURCHASED POWER AND INTERCHANGE  
SYSTEM REPORT - NORTH CAROLINA VIEW

Twelve Months Ended  
DECEMBER 2018

Schedule 3, Purchases  
Page 3 of 4

Purchased Power	Total	Capacity	Non-capacity		
	\$	\$	mWh	Fuel \$	Fuel-related \$ Not Fuel \$
Broad River Energy, LLC.	\$ 143,680,293	\$ 45,981,143	2,040,524	\$ 84,077,667	\$ 13,621,483
City of Fayetteville	23,286,926	12,619,900	71,618	9,533,508	1,133,518
DE Carolinas - Native Load Transfer	74,541,411	-	1,834,635	36,843,338	37,689,272
DE Carolinas - Native Load Transfer Benefit	5,666,748	-	-	5,666,748	-
DE Carolinas - Fees	1,074,213	-	-	-	1,074,213
Haywood EMC	348,600	348,600	-	-	-
NCEMC	65,342,495	36,944,796	549,410	28,397,699	-
PJM Interconnection, LLC.	4,903,101	-	100,397	3,207,489	1,695,612
Southern Company Services	52,856,291	13,448,453	1,141,606	33,075,806	6,332,032
	<b>\$ 371,700,078</b>	<b>\$ 109,342,892</b>	<b>5,738,190</b>	<b>\$ 200,802,255</b>	<b>\$ 61,546,130</b>
					<b>\$ 8,801</b>
Renewable Energy					
REPS	\$ 210,726,537	-	3,097,045	-	\$ 210,624,140
DERP Net Metering Excess Generation	3,230	\$ 557	75	-	-
DERP Qualifying Facilities	602,806	-	11,174	-	602,806
	<b>\$ 211,332,573</b>	<b>\$ 557</b>	<b>\$ 3,108,294</b>	<b>\$ -</b>	<b>\$ 211,226,946</b>
					<b>\$ 105,070</b>
HB589 PURPA Purchases					
Qualifying Facilities	\$ 119,780,093	-	1,916,568	\$ 119,780,093	-
	<b>\$ 119,780,093</b>	<b>\$ -</b>	<b>\$ 1,916,568</b>	<b>\$ -</b>	<b>\$ 119,780,093</b>
Non-dispatchable					
DE Carolinas - Emergency	\$ 15,390	-	333	\$ 13,113	\$ 2,277
DE Carolinas - Reliability	3,231,108	-	48,673	1,970,976	1,260,132
Virginia Electric and Power Company - Emergency	265,573	-	890	161,999	103,574
Haywood EMC	5,388	\$ 5,388	-	-	-
Energy Imbalance	862,445	-	20,068	804,626	57,819
Generation Imbalance	31,415	-	1,166	19,165	12,250
Qualifying Facilities - Pre HB589	44,010	-	-	-	44,010
	<b>\$ 4,455,329</b>	<b>\$ 5,388</b>	<b>\$ 71,130</b>	<b>\$ 2,969,879</b>	<b>\$ -</b>
					<b>\$ 1,480,062</b>
<b>Total Purchased Power</b>	<b>\$ 707,268,073</b>	<b>\$ 109,348,837</b>	<b>10,834,182</b>	<b>\$ 203,772,134</b>	<b>\$ 392,553,169</b>
					<b>\$ 1,593,933</b>

NOTES: Detail amounts may not add to totals shown due to rounding.



DUKE ENERGY PROGRESS  
INTERSYSTEM SALES\*  
SYSTEM REPORT - NORTH CAROLINA VIEW

Twelve Months Ended  
DECEMBER 2018

Schedule 3, Sales  
Page 4 of 4

	Total	Capacity	Non-capacity		
Sales	\$	\$	mWh	Fuel \$	Non-fuel \$
<b>Utilities:</b>					
SC Electric & Gas - Emergency	\$ 12,090	-	205	\$ 10,311	\$ 1,779
SC Public Service Authority - Emergency	103	-	-	-	103
<b>Market Based:</b>					
NCEMC Purchase Power Agreement	12,279,615	\$ 7,830,000	113,236	7,894,611	(3,444,996)
PJM Interconnection, LLC.	247,023	-	6,889	211,892	35,131
<b>Other:</b>					
DE Carolinas - Native Load Transfer Benefit	13,751,828	-	-	13,751,828	-
DE Carolinas - Native Load Transfer	194,421,232	-	5,426,920	185,399,635	9,021,597
Generation Imbalance	1,761	-	354	859	902
<b>Total Intersystem Sales</b>	<b>\$ 220,713,652</b>	<b>\$ 7,830,000</b>	<b>5,547,604</b>	<b>\$ 207,269,136</b>	<b>\$ 5,614,516</b>

\* Sales for resale other than native load priority.

NOTES: Detail amounts may not add to totals shown due to rounding.



Schedule 4

Duke Energy Progress  
(Over) / Under Recovery of Fuel Costs  
December 2018

No.		Residential	Small General Service	Medium General Service	Large General Service	Lighting	Total	
1	1a. System Retail kWh sales 1b. System kWh Sales at generation	Input Input					4,828,127,846 4,979,207,353	
2	2a. DERP Net Metered kWh generation 2b. Line loss percentage from Cost of Service 2c. DERP Net Metered kWh at generation	Input Input Annually L2a * (1 + 2b)					2,113,846 3,460% 2,186,778	
3	Adjusted System kWh sales	L1b + L2c					4,981,394,131	
4	4a. N.C. Retail kWh sales 4b. Line loss percentage from Cost of Service 4c. NC kWh Sales at generation 4d. NC allocation % by customer class 4e. NC retail % of actual system total 4f. NC retail % of adjusted system total	Input Input Annually 4a * (1+4b) Calculated L4c NC Total / L1b Total System L4c NC Total / L3 Total System	1,386,673,213 3.787% 1,439,186,528 48.894%  L4c NC Total / L1b Total System L4c NC Total / L3 Total System	120,842,196 3.786% 125,417,282 4.243%  706,333,860 3.685% 732,362,263 24.774%  610,753,388 3.080% 629,564,592 21.297%  28,548,872 3.785% 29,629,447 1.002%  2,853,151,529 2,956,160,112 59.370% 59.344%				
5	Approved fuel and fuel-related rates (\$/MWh) 5a. Billed rates by class (\$/MWh) 5b. Billed fuel expense Rate changes: 5c. New approved rates 5d. Ratio of days to rate 5e. Prior approved rates 5f. Ratio of days to rate 5g. Total prorated \$/MWh	Input Annually L4a * L5a / 100  Input Annually Input Input Annually  (L5c * L5d) + (L5e * L5f)	2,237 \$31,024,467  2,311 44.19% 2,179 55.81% 2,237	2,313 \$2,785,354  2,556 44.19% 2,121 55.81% 2,313	2,409 \$17,018,902  2,477 44.19% 2,356 55.81% 2,409	2,125 \$12,880,623  1,757 44.19% 2,417 55.81% 2,125	1,919 \$547,992  2,251 44.19% 1,657 55.81% 1,919	2,256 \$64,367,337  2,251 44.19% 1,657 55.81% 1,919
6	Incurred base fuel and fuel-related (less renewable purchased power capacity) rates by class (\$/MWh) Allocation changes: 6a. New approved Docket E-2, Sub 1173 allocation factor 6b. Ratio of days to allocation factor 6c. Prior approved Docket E-2, Sub 1146 allocation factor 6d. Ratio of days to allocation factor 6e. Total prorated allocation factor	Input Input Annually L5d Input Annually L5f  (L6a * L6b) + (L6c * L6d)	43.60% \$49,377,944 3.56089  44.19% 39.67% 55.81% 41.41%	5.40% \$5,789,890 4.79467  44.19% 4.43% 55.81% 4.86%	30.57% \$35,203,872 4.98403  44.19% 28.69% 55.81% 29.52%	19.36% \$27,785,749 4.54942  44.19% 28.42% 55.81% 23.30%	1.07% \$1,089,636 3.81674  44.19% 0.79% 55.81% 0.97%	100.00% \$200,949,029 \$119,251,192 4,17963  100.00% 100.00% 100.00% 100.00%
7	Incurred renewable purchased power capacity rates (\$/MWh) 7a. NC retail production plant % 7b. Production plant allocation factors 7c. System incurred expense 7d. NC incurred renewable capacity expense 7e. NC incurred rates by class	Input Annually Input Annually Input L7a * L7b / L7c L7d / L4a * 100  L6h + 7e L8 - L5a L9 * L4a / 100	48.581% Input Annually Input \$502,791 0.04347  3.6044 1.36703 \$18,956,228	6.580% Input Annually Input \$61,943 0.06756  4.8622 2.54900 \$3,080,272	28.850% Input Annually Input \$359,207 0.05086  5.0349 2.62542 \$18,544,231	15.881% Input Annually Input \$197,047 0.03226  4.5817 2.45633 \$15,002,143	0.008% Input Annually Input \$102 0.00036  3.8171 1.89761 \$541,747	60.52% Input Annually Input \$2,050,191 \$1,240,790 0.04349 0.97%
8	Total incurred rates by class (\$/MWh)						\$56,124,621	
9	Difference in \$/MWh (incurred - billed)							
10	(Over) / under recovery [See footnote]							
11	Prior period adjustments							
12	Total (over) / under recovery [See footnote]	Input L10 + L11	\$18,956,228	\$3,080,272	\$18,544,231	\$15,002,143	\$541,747	\$56,124,621
13	Total System Incurred Expenses							\$202,999,220
14	Less: Jurisdictional allocation adjustment							67,763
15	Total Fuel and Fuel-related Costs per Schedule 2	Input						\$202,931,456
16	(Over) / under recovery for each month of the current test period [See footnote]							
					</			

	Total To Date	(Over) / Under Recovery					Lighting	Total Company
		Residential	Small General Service	Medium General Service	Large General Service			
April 2018	\$ 6,616,553	3,680,529	236,079	700,759	1,978,810	40,376	\$	6,616,553
May	20,547,061	8,577,706	567,097	1,488,210	3,230,432	87,063		13,930,508
June	41,046,168	8,539,907	642,201	3,411,985	7,668,596	238,428		20,501,107
July	54,552,954	4,574,733	310,810	2,629,373	5,754,842	235,228		13,504,786
August	67,204,260	5,136,198	217,119	1,980,830	5,091,306	223,853		12,651,306
September	89,759,589	8,874,465	662,100	4,902,428	7,861,222	255,094		22,555,309
October	85,222,358	179,201	(578,233)	(4,091,099)	(84,221)	37,141		(4,537,211)
November	99,230,978	8,748,809	298,658	9713,230	3,914,585	133,338		14,006,620
December	155,355,599	18,956,228	3,080,272	18,544,231	15,002,143	541,747		56,124,621
January 2019								
February								
March								
Total	\$ 67,249,776	\$ 5,436,103	\$ 30,459,947	\$ 50,417,505	\$ 1,792,268	\$		155,355,599

Notes:  
Detail amounts may not recalculate due to percentages presented as rounded.  
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts. Under collections, or regulatory assets, are shown as positive amounts.

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December 2018Schedule 5  
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Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
<b>Cost of Fuel Purchased (\$)</b>								
Coal	-	-	-	-	\$6,048,018	-	\$19,917,937	\$3,310,380
Oil	-	-	-	25,132	689,175	-	644,700	583,025
Gas - CC	-	22,347,790	15,176,857	-	-	-	-	-
Gas - CT	23	-	350,091	-	-	82,860	-	-
Biogas	-	-	-	-	-	-	-	-
Total	23	\$22,347,790	\$15,526,948	25,132	\$6,737,193	\$82,860	\$20,562,637	\$3,893,405
<b>Average Cost of Fuel Purchased (¢/MBTU)</b>								
Coal	-	-	-	-	356.74	-	370.84	340.42
Oil	-	-	-	-	1,373.27	-	1,656.86	1,654.07
Gas - CC	-	515.43	580.11	-	-	-	-	-
Gas - CT	-	-	808.71	-	-	879.90	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	515.43	583.83	-	385.97	879.90	380.08	386.37
<b>Cost of Fuel Burned (\$)</b>								
Coal	-	-	-	-	\$4,606,527	-	\$20,503,153	\$9,343,687
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	2,506	-	22,915	-	282,437	500,257	648,380	473,301
Gas - CC	-	22,347,790	15,176,857	-	-	-	-	-
Gas - CT	23	-	350,091	-	-	82,860	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	3,237,464	-	-	-	-
Total	\$2,529	\$22,347,790	\$15,549,863	\$3,237,464	\$4,888,964	\$583,117	\$21,151,533	\$9,816,988
<b>Average Cost of Fuel Burned (¢/MBTU)</b>								
Coal	-	-	-	-	275.06	-	365.85	324.35
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,596.18	-	2,062.56	-	1,576.19	1,576.21	1,648.81	1,611.35
Gas - CC	-	515.43	580.11	-	-	-	-	-
Gas - CT	-	-	808.71	-	-	879.90	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	55.67	-	-	-	-
Weighted Average	1,610.83	515.43	584.45	55.67	288.83	1,416.88	374.79	337.34
<b>Average Cost of Generation (¢/kWh)</b>								
Coal	-	-	-	-	3.60	-	3.68	4.57
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	21.72	-	20.66	24.19	17.89	22.72
Gas - CC	-	3.72	4.55	-	-	-	-	-
Gas - CT	-	-	8.39	-	-	13.18	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.57	-	-	-	-
Weighted Average	-	3.72	4.61	0.57	3.78	21.62	3.77	4.76
<b>Burned MBTU's</b>								
Coal	-	-	-	-	1,674,758	-	5,604,212	2,880,702
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	157	-	1,111	-	17,919	31,738	39,324	29,373
Gas - CC	-	4,335,798	2,616,194	-	-	-	-	-
Gas - CT	-	-	43,290	-	-	9,417	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,815,212	-	-	-	-
Total	157	4,335,798	2,660,595	5,815,212	1,692,677	41,155	5,643,536	2,910,075
<b>Net Generation (mWh)</b>								
Coal	-	-	-	-	128,040	-	557,787	204,336
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	(12)	-	106	-	1,367	2,068	3,625	2,084
Gas - CC	-	600,171	333,266	-	-	-	-	-
Gas - CT	(61)	-	4,173	-	-	629	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	572,801	-	-	-	-
Hydro (Total System)	-	-	-	-	-	-	-	-
Solar (Total System)	-	-	-	-	-	-	-	-
Total	(73)	600,171	337,545	572,801	129,407	2,697	561,412	206,420
<b>Cost of Reagents Consumed (\$)</b>								
Ammonia	-	-	-	-	-	-	189,507	52,508
Limestone	-	-	-	-	200,492	-	698,890	356,537
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	240,899	161,301
Urea	-	-	-	-	120,383	-	-	-
Total	-	-	-	-	\$320,875	-	\$1,129,297	\$570,347

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Re-emission chemical reagent expense is not recoverable in NC.



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Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME December 2018
<b>Cost of Fuel Purchased (\$)</b>								
Coal	-	-	-	-	-	-	\$29,276,335	\$271,180,881
Oil	12,791	-	-	-	-	2,288	1,957,111	80,777,894
Gas - CC	-	-	-	-	16,840,982	-	54,365,629	649,230,756
Gas - CT	-	-	575,141	87,917	17,360,855	-	18,456,887	185,884,718
Biogas	-	-	-	-	98,728	-	98,728	582,184
Total	12,791	-	\$575,141	\$87,917	\$34,201,837	2,288	\$104,154,690	\$1,187,656,433
<b>Average Cost of Fuel Purchased (¢/MBTU)</b>								
Coal	-	-	-	-	-	-	364.18	332.56
Oil	1,232.27	-	-	-	-	-	1,560.92	1,716.32
Gas - CC	-	-	-	-	503.24	-	527.90	478.39
Gas - CT	-	-	511.32	509.99	449.57	-	456.39	366.98
Biogas	-	-	-	-	2,970.16	-	2,970.16	2,934.10
Weighted Average	1,232.27	-	511.32	509.99	475.64	-	462.70	435.62
<b>Cost of Fuel Burned (\$)</b>								
Coal	-	-	-	-	-	-	\$34,453,367	\$307,900,875
Oil - CC	-	-	-	-	178	-	178	1,854
Oil - Steam/CT	-	-	95,245	372,390	58,028	-	2,455,459	74,104,768
Gas - CC	-	-	-	-	16,840,982	-	54,365,629	649,230,756
Gas - CT	-	-	575,141	87,917	17,360,855	-	18,456,887	185,884,718
Biogas	-	-	-	-	98,728	-	98,728	582,184
Nuclear	8,644,326	-	-	-	-	4,859,558	16,741,348	184,163,879
Total	\$8,644,326	\$0	\$670,386	\$460,307	\$34,358,771.00	\$4,859,558	\$126,571,596	\$1,401,869,034
<b>Average Cost of Fuel Burned (¢/MBTU)</b>								
Coal	-	-	-	-	-	-	339.12	324.38
Oil - CC	-	-	-	-	1,618.18	-	1,618.18	1,655.36
Oil - Steam/CT	-	-	1,742.82	1,727.31	1,662.69	-	1,635.49	1,687.24
Gas - CC	-	-	-	-	503.24	-	527.90	478.39
Gas - CT	-	-	511.32	509.99	449.57	-	456.39	366.98
Biogas	-	-	-	-	2,970.16	-	2,970.16	2,934.10
Nuclear	60.91	-	-	-	-	64.95	60.90	63.70
Weighted Average	60.91	-	568.38	1,186.42	476.21	64.95	242.73	243.89
<b>Average Cost of Generation (¢/kWh)</b>								
Coal	-	-	-	-	-	-	3.87	3.58
Oil - CC	-	-	-	-	17.80	-	17.80	20.60
Oil - Steam/CT	-	-	22.28	26.04	18.43	-	21.61	21.15
Gas - CC	-	-	-	-	2.15	-	3.16	3.34
Gas - CT	-	-	6.44	7.88	11.30	-	10.96	4.43
Biogas	-	-	-	-	18.47	-	18.47	20.87
Nuclear	0.64	-	-	-	-	0.66	0.63	0.67
Weighted Average	0.64	-	7.16	18.09	3.66	0.66	2.28	2.29
<b>Burned MBTU's</b>								
Coal	-	-	-	-	-	-	10,159,672	94,918,963
Oil - CC	-	-	-	-	11	-	11	112
Oil - Steam/CT	-	-	5,465	21,559	3,490	-	150,136	4,392,067
Gas - CC	-	-	-	-	3,346,521	-	10,298,513	135,711,710
Gas - CT	-	-	112,482	17,239	3,861,654	-	4,044,082	50,652,825
Biogas	-	-	-	-	3,324	-	3,324	19,842
Nuclear	14,191,023	-	-	-	-	7,482,367	27,488,602	289,101,792
Total	14,191,023	-	117,947	38,798	7,215,000	7,482,367	52,144,340	574,797,311
<b>Net Generation (mWh)</b>								
Coal	-	-	-	-	-	-	890,164	8,603,387
Oil - CC	-	-	-	-	1	-	1	9
Oil - Steam/CT	-	(49)	427	1,430	315	-	11,360	350,354
Gas - CC	-	-	-	-	784,574	-	1,718,011	19,454,158
Gas - CT	-	-	8,937	1,115	153,616	-	168,409	4,193,549
Biogas	-	-	-	-	535	-	535	2,789
Nuclear	1,355,095	-	-	-	-	741,912	2,669,808	27,490,999
Hydro (Total System)	-	-	-	-	-	-	90,128	805,640
Solar (Total System)	-	-	-	-	-	-	12,126	235,193
Total	1,355,095	(49)	9,364	2,545	939,041	741,912	5,560,542	61,136,078
<b>Cost of Reagents Consumed (\$)</b>								
Ammonia	-	-	-	-	\$27,978	-	\$269,993	\$1,870,262
Limestone	-	-	-	-	-	-	1,255,920	11,036,341
Re-emission Chemical	-	-	-	-	-	-	-	170,839
Sorbents	-	-	-	-	-	-	402,201	3,053,975
Urea	-	-	-	-	-	-	120,383	1,168,321
Total	-	-	-	-	\$27,978	-	\$2,048,497	\$17,299,737

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Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
<b>Coal Data:</b>					
Beginning balance	-	-	-	-	63,663
Tons received during period	-	-	-	-	66,620
Inventory adjustments	-	-	-	-	32,554
Tons burned during period	-	-	-	-	66,148
Ending balance	-	-	-	-	96,689
MBTUs per ton burned	-	-	-	-	25.32
Cost of ending inventory (\$/ton)	-	-	-	-	69.64
<b>Oil Data:</b>					
Beginning balance	670,454	-	2,632,614	78,040	3,040,017
Gallons received during period	-	-	-	-	363,659
Miscellaneous use and adjustments	-	-	(792)	-	(4,784)
Gallons burned during period	1,119	-	8,171	-	361,237
Ending balance	669,335	-	2,623,651	78,040	3,037,655
Cost of ending inventory (\$/gal)	2.24	-	2.80	2.41	2.17
<b>Natural Gas Data:</b>					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,179,841	2,601,387	-	9,170
MCF burned during period	-	4,179,841	2,601,387	-	9,170
Ending balance	-	-	-	-	-
<b>Biogas Data:</b>					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
<b>Limestone/Lime Data:</b>					
Beginning balance	-	-	-	-	7,573
Tons received during period	-	-	-	-	7,667
Inventory adjustments	-	-	-	-	(1,507)
Tons consumed during period	-	-	-	-	3,339
Ending balance	-	-	-	-	10,394
Cost of ending inventory (\$/ton)	-	-	-	-	58.19

Notes:

Detail amounts may not add to totals shown due to rounding.  
Schedule excludes in-transit, terminal and tolling agreement activity.  
Gas is burned as received; therefore, inventory balances are not maintained.  
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.



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**Schedule 6**  
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Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
<b>Coal Data:</b>					
Beginning balance	897,316	272,314	-	-	-
Tons received during period	215,447	37,800	-	-	-
Inventory adjustments	(82,299)	(4,172)	-	-	-
Tons burned during period	221,424	111,985	-	-	-
Ending balance	809,040	193,957	-	-	-
MBTUs per ton burned	25.31	25.72	-	-	-
Cost of ending inventory (\$/ton)	92.58	83.44	-	-	-
<b>Oil Data:</b>					
Beginning balance	220,802	227,091	168,475	807,190	12,057,561
Gallons received during period	281,963	255,417	7,524	-	-
Miscellaneous use and adjustments	(7,720)	(4,647)	-	-	-
Gallons burned during period	284,955	212,913	5,469	-	39,675
Ending balance	210,090	264,948	170,530	807,190	12,017,886
Cost of ending inventory (\$/gal)	2.28	2.22	2.41	2.37	2.40
<b>Natural Gas Data:</b>					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	108,162
MCF burned during period	-	-	-	-	108,162
Ending balance	-	-	-	-	-
<b>Biogas Data:</b>					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
<b>Limestone/Lime Data:</b>					
Beginning balance	90,754	16,764	-	-	-
Tons received during period	6,897	48	-	-	-
Inventory adjustments	-	(2,552)	-	-	-
Tons consumed during period	16,138	5,725	-	-	-
Ending balance	81,513	8,535	-	-	-
Cost of ending inventory (\$/ton)	41.67	61.96	-	-	-

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Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME December 2018
<b>Coal Data:</b>					
Beginning balance	-	-	-	1,233,293	1,684,574
Tons received during period	-	-	-	319,867	3,235,908
Inventory adjustments	-	-	-	(53,917)	(53,917)
Tons burned during period	-	-	-	399,557	3,766,879
Ending balance	-	-	-	1,099,686	1,099,686
MBTUs per ton burned	-	-	-	25.43	25.20
Cost of ending inventory (\$/ton)	-	-	-	88.95	88.95
<b>Oil Data:</b>					
Beginning balance	10,629,342	8,343,738	292,025	39,167,349	37,095,359
Gallons received during period	-	-	-	908,563	34,104,785
Miscellaneous use and adjustments	-	-	-	(17,943)	(195,726)
Gallons burned during period	155,608	25,006	-	1,094,153	32,040,602
Ending balance	10,473,734	8,318,732	292,025	38,963,816	38,963,816
Cost of ending inventory (\$/gal)	2.39	2.33	2.41	2.39	2.39
<b>Natural Gas Data:</b>					
Beginning balance	-	-	-	-	-
MCF received during period	16,923	7,050,343	-	13,965,826	181,282,585
MCF burned during period	16,923	7,050,343	-	13,965,826	181,282,585
Ending balance	-	-	-	-	-
<b>Biogas Data:</b>					
Beginning balance	-	-	-	-	-
MCF received during period	-	3,249	-	3,249	19,343
MCF burned during period	-	3,249	-	3,249	19,343
Ending balance	-	-	-	-	-
<b>Limestone/Lime Data:</b>					
Beginning balance	-	-	-	115,091	136,519
Tons received during period	-	-	-	14,612	214,985
Inventory adjustments	-	-	-	(4,059)	(3,989)
Tons consumed during period	-	-	-	25,202	247,073
Ending balance	-	-	-	100,442	100,442
Cost of ending inventory (\$/ton)	-	-	-	45.10	45.10

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Schedule 7

**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**DECEMBER 2018**

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
<b>ASHEVILLE</b>	SPOT	43,850	\$ 4,100,232	\$ 93.51
	CONTRACT	22,770	1,868,995	82.08
	ADJUSTMENTS	-	78,791	-
	TOTAL	66,620	6,048,018	90.78
<b>MAYO</b>	SPOT	25,207	2,287,499	90.75
	CONTRACT	12,593	943,811	74.95
	ADJUSTMENTS	-	79,070	-
	TOTAL	37,800	3,310,380	87.58
<b>ROXBORO</b>	SPOT	190,029	17,416,027	91.65
	CONTRACT	25,418	2,049,986	80.65
	ADJUSTMENTS	-	451,924	-
	TOTAL	215,447	19,917,937	92.45
<b>ALL PLANTS</b>	SPOT	259,086	23,803,758	91.88
	CONTRACT	60,781	4,862,792	80.01
	ADJUSTMENTS	-	609,785	-
	TOTAL	319,867	\$ 29,276,335	\$ 91.53

## Schedule 8

**DUKE ENERGY PROGRESS  
ANALYSIS OF COAL QUALITY RECEIVED  
DECEMBER 2018**

<b>STATION</b>	<b>PERCENT MOISTURE</b>	<b>PERCENT ASH</b>	<b>HEAT VALUE</b>	<b>PERCENT SULFUR</b>
<b>ASHEVILLE</b>	6.51	9.62	12,724	1.66
<b>MAYO</b>	6.40	8.81	12,863	2.92
<b>ROXBORO</b>	6.56	10.76	12,465	1.85

DUKE ENERGY PROGRESS  
ANALYSIS OF OIL PURCHASED  
DECEMBER 2018

Schedule 9

	ASHEVILLE	ASHEVILLE	BRUNSWICK	MAYO	ROXBORO
VENDOR	Indigo	Indigo	Hightowers Petroleum Co.	Greensboro Tank Farm	Greensboro Tank Farm
SPOT/CONTRACT	Spot	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0	0
GALLONS RECEIVED	7,604	356,055	7,524	255,417	281,963
TOTAL DELIVERED COST	\$ 17,707	\$ 671,468	\$ 12,791	\$ 583,025	\$ 644,700
DELIVERED COST/GALLON	\$ 2.33	\$ 1.89	\$ 1.70	\$ 2.28	\$ 2.29
BTU/GALLON	138,000	138,000	138,000	138,000	138,000

Notes:  
Price adjustments of \$2,288 and \$25,132 for the Harris and Robinson stations, respectively, are excluded.

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**Duke Energy Progress**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**January, 2018 - December, 2018**  
**Nuclear Units**

<u>Unit Name</u>	<u>Net Generation (mWh)</u>	<u>Capacity Rating (mW)</u>	<u>Capacity Factor (%)</u>	<u>Equivalent Availability (%)</u>
Brunswick 1	7,094,066	938	86.34	88.92
Brunswick 2	7,532,901	932	92.27	95.11
Harris 1	7,587,914	932	92.94	89.02
Robinson 2	5,276,118	741	81.28	78.71

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**Duke Energy Progress  
Power Plant Performance Data  
Twelve Month Summary  
January, 2018 through December, 2018  
Combined Cycle Units**

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,440,885	225	73.10	82.04
Lee Energy Complex	1B	1,443,265	227	72.58	81.24
Lee Energy Complex	1C	1,463,994	228	73.30	81.11
Lee Energy Complex	ST1	2,862,522	379	86.22	93.68
Lee Energy Complex	Block Total	7,210,666	1,059	77.73	85.83
Richmond County CC	7	1,264,040	189	76.35	84.11
Richmond County CC	8	1,249,912	189	75.49	83.61
Richmond County CC	ST4	1,409,376	175	91.94	92.29
Richmond County CC	9	1,476,943	216	78.06	83.37
Richmond County CC	10	1,487,809	216	78.63	83.81
Richmond County CC	ST5	1,933,643	248	89.01	94.20
Richmond County CC	Block Total	8,821,723	1,233	81.67	87.04
Sutton Energy Complex	1A	1,101,793	224	56.15	69.15
Sutton Energy Complex	1B	1,113,940	224	56.77	67.18
Sutton Energy Complex	ST1	1,208,835	271	50.92	62.58
Sutton Energy Complex	Block Total	3,424,568	719	54.37	66.06

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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**Duke Energy Progress  
Power Plant Performance Data  
Twelve Month Summary  
January, 2018 through December, 2018**

**Intermediate Steam Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Mayo 1	1,491,333	746	22.82	69.68
Roxboro 2	1,895,094	673	32.14	76.80
Roxboro 3	1,530,179	698	25.03	62.55
Roxboro 4	1,678,155	711	26.94	53.55

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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**Duke Energy Progress  
Power Plant Performance Data  
Twelve Month Summary  
January, 2018 through December, 2018  
Other Cycling Steam Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	669,236	192	39.79	91.71
Asheville 2	568,667	192	33.81	95.43
Roxboro 1	824,171	380	24.76	88.95

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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**Duke Energy Progress  
Power Plant Performance Data  
Twelve Month Summary  
January, 2018 through December, 2018  
Combustion Turbine Stations**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	506,865	370	77.48
Blewett CT	199	68	92.78
Darlington CT	230,819	846	75.35
Richmond County CT	3,073,958	934	84.69
Sutton Fast Start CT	218,887	98	87.70
Wayne County CT	458,014	963	95.82
Weatherspoon CT	1,712	164	94.60

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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**Power Plant Performance Data**  
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**Twelve Month Summary**  
**January, 2018 through December, 2018**  
**Hydroelectric Stations**

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Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	88,367	27.0	69.71
Marshall	812	4.0	9.17
Tillery	238,608	84.0	91.55
Walters	477,853	113.0	89.32

**Notes:**

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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For the Month Ending January 2018

Schedule 7

**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**JANUARY 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	-	-	-
	CONTRACT	34,247	\$ 2,471,356	\$ 72.16
	ADJUSTMENTS	-	112,881	-
	TOTAL	34,247	2,584,236	75.46
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	47,866	3,774,367	78.85
	ADJUSTMENTS	-	114,893	-
	TOTAL	47,866	3,889,260	81.25
<b>ROXBORO</b>	SPOT	-	-	-
	CONTRACT	130,120	10,563,232	81.18
	ADJUSTMENTS	-	632,749	-
	TOTAL	130,120	11,195,981	86.04
<b>ALL PLANTS</b>	SPOT	-	-	-
	CONTRACT	212,233	16,808,955	79.20
	ADJUSTMENTS	-	860,523	-
	TOTAL	212,233	\$ 17,669,477	\$ 83.25

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Schedule 9

**DUKE ENERGY PROGRESS  
ANALYSIS OF OIL PURCHASED  
JANUARY 2018**

	ASHEVILLE	ASHEVILLE	BRUNSWICK	DARLINGTON	DARLINGTON
<b>VENDOR</b>	Indigo	Spartanburg Tank Farm	Hightowers Petroleum Co.	Hightowers Petroleum Co., Huguenot Fuels and Indigo	Greensboro Tank Farm and Spartanburg Tank Farm
<b>SPOT/CONTRACT</b>	Spot	Contract	Contract	Spot	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0	0
<b>GALLONS RECEIVED</b>	4,284,808	220,804	7,504	7,806,156	371,997
<b>TOTAL DELIVERED COST</b>	\$ 10,510,376	\$ 720,442	\$ 12,757	\$ 19,609,381	\$ 830,390
<b>DELIVERED COST/GALLON</b>	\$ 2.45	\$ 3.26	\$ 1.70	\$ 2.51	\$ 2.23
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	138,000
	MAYO	ROBINSON	ROXBORO	SMITH ENERGY COMPLEX	SMITH ENERGY COMPLEX
<b>VENDOR</b>	Greensboro Tank Farm	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co., Petroleum Traders and Potter Oil and Tire	Petroleum Traders
<b>SPOT/CONTRACT</b>	Contract	Contract	Contract	Spot	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0	0
<b>GALLONS RECEIVED</b>	97,828	5,003	444,210	4,530,686	533,357
<b>TOTAL DELIVERED COST</b>	\$ 207,719	\$ 8,505	\$ 941,286	\$ 10,652,569	\$ 1,115,412
<b>DELIVERED COST/GALLON</b>	\$ 2.12	\$ 1.70	\$ 2.12	\$ 2.35	\$ 2.09
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	138,000
	WAYNE	WAYNE	WEATHERSPOON	WEATHERSPOON	
<b>VENDOR</b>	Hightowers Petroleum Co., Indigo and Potter Oil and	Greensboro Tank Farm	Hightowers Petroleum Co. and Potter Oil and Tire	Indigo	
<b>SPOT/CONTRACT</b>	Spot	Contract	Spot	Contract	
<b>SULFUR CONTENT %</b>	0	0			
<b>GALLONS RECEIVED</b>	8,248,272	146,160	261,055	5,039	
<b>TOTAL DELIVERED COST</b>	\$ 19,831,290	\$ 314,518	\$ 640,900	\$ 10,779	
<b>DELIVERED COST/GALLON</b>	\$ 2.40	\$ 2.15	\$ 2.46	\$ 2.14	
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	

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Schedule 7

**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**FEBRUARY 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	-	-	-
	CONTRACT	56,901	\$ 4,581,399	\$ 80.51
	ADJUSTMENTS	-	70,704	-
	TOTAL	56,901	4,652,103	81.76
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	11,702	899,527	76.87
	ADJUSTMENTS	-	64,207	-
	TOTAL	11,702	963,735	82.36
<b>ROXBORO</b>	SPOT	-	-	-
	CONTRACT	166,765	13,241,464	79.40
	ADJUSTMENTS	-	336,111	-
	TOTAL	166,765	13,577,575	81.42
<b>ALL PLANTS</b>	SPOT	-	-	-
	CONTRACT	235,368	18,722,390	79.55
	ADJUSTMENTS	-	471,023	-
	TOTAL	235,368	\$ 19,193,413	\$ 81.55



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Schedule 9

**DUKE ENERGY PROGRESS  
ANALYSIS OF OIL PURCHASED  
FEBRUARY 2018**

	<b>ASHEVILLE</b>	<b>BRUNSWICK</b>	<b>DARLINGTON</b>	<b>DARLINGTON</b>	<b>MAYO</b>
<b>VENDOR</b>	Indigo	Hightowers Petroleum Co.	Hightowers Petroleum Co., Huguenot Fuels and Indigo	Colonial Fuel and Petroleum Traders	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Spot	Contract	Spot	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0	0
<b>GALLONS RECEIVED</b>	76,068	7,818	7,399	102,266	105,130
<b>TOTAL DELIVERED COST</b>	\$ 185,453	\$ 13,291	\$ 114,723	\$ 232,550	\$ 222,707
<b>DELIVERED COST/GALLON</b>	\$ 2.44	\$ 1.70	\$ 15.51	\$ 2.27	\$ 2.12
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	138,000
	<b>ROBINSON</b>	<b>ROXBORO</b>	<b>SMITH ENERGY COMPLEX</b>	<b>WAYNE</b>	
<b>VENDOR</b>	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co., Petroleum Traders and Potter Oil and Tire	Indigo	
<b>SPOT/CONTRACT</b>	Contract	Contract	Spot	Spot	
<b>SULFUR CONTENT %</b>	0	0	0	0	
<b>GALLONS RECEIVED</b>	7,522	90,128	32,593	127,264	
<b>TOTAL DELIVERED COST</b>	\$ 12,787	\$ 198,501	\$ 106,662	\$ 503,969	
<b>DELIVERED COST/GALLON</b>	\$ 1.70	\$ 2.20	\$ 3.27	\$ 3.96	
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	

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Schedule 7

**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**MARCH 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	326	\$ 15,315	\$ 46.92
	CONTRACT	68,834	5,486,599	79.71
	ADJUSTMENTS	-	103,104	-
	TOTAL	69,160	5,605,018	81.04
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	11,613	863,867	74.39
	ADJUSTMENTS	-	224,291	-
	TOTAL	11,613	1,088,158	93.70
<b>ROXBORO</b>	SPOT	-	-	-
	CONTRACT	180,080	13,577,032	75.39
	ADJUSTMENTS	-	550,460	-
	TOTAL	180,080	14,127,492	78.45
<b>ALL PLANTS</b>	SPOT	326	15,315	46.92
	CONTRACT	260,527	19,927,498	76.49
	ADJUSTMENTS	-	877,855	-
	TOTAL	260,853	\$ 20,820,668	\$ 79.82

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF OIL PURCHASED**  
**MARCH 2018**

	<b>DARLINGTON</b>	<b>MAYO</b>	<b>ROXBORO</b>
<b>VENDOR</b>	Indigo, Hightowers Petroleum Co. and Huguenot Fuels	Greensboro Tank Farm	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Spot	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0
<b>GALLONS RECEIVED</b>	(2,428)	128,081	225,587
<b>TOTAL DELIVERED COST</b>	\$ (37,281)	\$ 276,024	\$ 489,297
<b>DELIVERED COST/GALLON</b>	\$ 15.35	\$ 2.16	\$ 2.17
<b>BTU/GALLON</b>	138,000	138,000	138,000
	<b>SMITH ENERGY COMPLEX</b>	<b>SMITH ENERGY COMPLEX</b>	<b>WAYNE</b>
<b>VENDOR</b>	Hightowers Petroleum Co., Petroleum Traders, Potter Oil and Tire	Petroleum Traders	Hightowers Petroleum Co., Indigo and Potter Oil and Tire
<b>SPOT/CONTRACT</b>	Spot	Contract	Spot
<b>SULFUR CONTENT %</b>	0	0	0
<b>GALLONS RECEIVED</b>	4,684	8,027	(20,294)
<b>TOTAL DELIVERED COST</b>	\$ 2,262	\$ 15,728	\$ (29,034)
<b>DELIVERED COST/GALLON</b>	\$ 0.48	\$ 1.96	\$ 1.43
<b>BTU/GALLON</b>	138,000	138,000	138,000

**Notes:**

*Federal environmental fee reversals for January and February for the Asheville station totaling \$(6,330) are excluded  
A price adjustment and federal environmental fee reversals for the Weatherspoon station, which net to \$959, are also excluded*

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**APRIL 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	-	\$ 6,409	-
	CONTRACT	46,256	3,578,218	\$ 77.36
	ADJUSTMENTS	-	74,209	-
	TOTAL	46,256	3,658,836	79.10
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	62,629	4,704,947	75.12
	ADJUSTMENTS	-	77,759	-
	TOTAL	62,629	4,782,706	76.37
<b>ROXBORO</b>	SPOT	-	-	-
	CONTRACT	141,328	11,619,985	82.22
	ADJUSTMENTS	-	590,215	-
	TOTAL	141,328	12,210,200	86.40
<b>ALL PLANTS</b>	SPOT	-	6,409	-
	CONTRACT	250,213	19,903,150	79.54
	ADJUSTMENTS	-	742,183	-
	TOTAL	250,213	\$ 20,651,742	\$ 82.54

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF OIL PURCHASED**  
**APRIL 2018**

	<b>BRUNSWICK</b>	<b>DARLINGTON</b>	<b>HARRIS</b>	<b>MAYO</b>
<b>VENDOR</b>	Hightowers Petroleum Co.	Indigo, Hightowers Petroleum Co. and Huguenot Fuels	Hightowers Petroleum Co.	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Contract	Spot	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0
<b>GALLONS RECEIVED</b>	7,511	3,001	15,632	202,236
<b>TOTAL DELIVERED COST</b>	\$ 12,769	\$ (16,909)	\$ 28,532	\$ 419,945
<b>DELIVERED COST/GALLON</b>	\$ 1.70	\$ (5.63)	\$ 1.83	\$ 2.08
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000
	<b>ROXBORO</b>	<b>SMITH ENERGY COMPLEX</b>	<b>WAYNE</b>	
<b>VENDOR</b>	Greensboro Tank Farm	Hightowers Petroleum Co. and Potter Oil and Tire	Hightowers Petroleum Co. and Indigo	
<b>SPOT/CONTRACT</b>	Contract	Spot	Spot	
<b>SULFUR CONTENT %</b>	0	0	0	
<b>GALLONS RECEIVED</b>	232,445	(32,088)	3,862	
<b>TOTAL DELIVERED COST</b>	\$ 482,985	\$ (70,325)	\$ 9,955	
<b>DELIVERED COST/GALLON</b>	\$ 2.08	\$ 2.19	\$ 2.58	
<b>BTU/GALLON</b>	138,000	138,000	138,000	

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**MAY 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	-	\$ -	-
	CONTRACT	34,928	2,705,930	77.47
	ADJUSTMENTS	-	123,744	-
	TOTAL	34,928	2,829,674	81.02
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	135,224	10,508,359	77.71
	ADJUSTMENTS	-	120,135	-
	TOTAL	135,224	10,628,493	78.60
<b>ROXBORO</b>	SPOT	-	-	-
	CONTRACT	59,700	4,735,688	79.32
	ADJUSTMENTS	-	533,528	-
	TOTAL	59,700	5,269,216	88.26
<b>ALL PLANTS</b>	SPOT	-	-	-
	CONTRACT	229,852	17,949,976	78.09
	ADJUSTMENTS	-	777,407	-
	TOTAL	229,852	\$ 18,727,383	\$ 81.48



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**DUKE ENERGY PROGRESS  
ANALYSIS OF OIL PURCHASED  
MAY 2018**

	<b>ASHEVILLE</b>	<b>BRUNSWICK</b>	<b>DARLINGTON</b>	<b>HARRIS</b>	<b>MAYO</b>
<b>VENDOR</b>	Indigo	Hightowers Petroleum Co.	Indigo, Hightowers Petroleum Co. and Potter Oil and Tire	Hightowers Petroleum Co.	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Spot	Contract	Spot	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0	0
<b>GALLONS RECEIVED</b>	4,144	15,251	(7,545)	7,498	141,830
<b>TOTAL DELIVERED COST</b>	\$ 12,229	\$ 33,035	\$ (32,894)	\$ 18,350	\$ 294,867
<b>DELIVERED COST/GALLON</b>	\$ 2.95	\$ 2.17	\$ 4.36	\$ 2.45	\$ 2.08
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	138,000
	<b>ROBINSON</b>	<b>ROXBORO</b>	<b>SMITH ENERGY COMPLEX</b>	<b>SMITH ENERGY COMPLEX</b>	<b>WAYNE</b>
<b>VENDOR</b>	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co., Petroleum Traders and Potter Oil and Tire	Petroleum Traders	Hightowers Petroleum Co. and Indigo
<b>SPOT/CONTRACT</b>	Contract	Contract	Spot	Contract	Spot
<b>SULFUR CONTENT %</b>	0	0	0	0	0
<b>GALLONS RECEIVED</b>	7,584	201,303	30,219	(7,738)	4,835
<b>TOTAL DELIVERED COST</b>	\$ 13,533	\$ 418,934	\$ 76,511	\$ (16,171)	\$ 20,513
<b>DELIVERED COST/GALLON</b>	\$ 1.78	\$ 2.08	\$ 2.53	\$ 2.09	\$ 4.24
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	138,000

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Analysis of Coal Purchased - Schedule 7  
For the Month Ending June 2018

Schedule 7

**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**JUNE 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	-	-	-
	CONTRACT	22,945	\$ 1,705,865	\$ 74.34
	ADJUSTMENTS	-	100,744	-
	TOTAL	22,945	1,806,609	78.73
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	62,636	4,845,250	77.36
	ADJUSTMENTS	-	107,702	-
	TOTAL	62,636	4,952,952	79.08
<b>ROXBORO</b>	SPOT	-	-	-
	CONTRACT	84,564	6,841,368	80.90
	ADJUSTMENTS	-	593,765	-
	TOTAL	84,564	7,435,133	87.92
<b>ALL PLANTS</b>	SPOT	-	-	-
	CONTRACT	170,145	13,392,483	78.71
	ADJUSTMENTS	-	802,211	-
	TOTAL	170,145	\$ 14,194,694	\$ 83.43

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF OIL PURCHASED**  
**JUNE 2018**

	<b>MAYO</b>	<b>ROXBORO</b>	<b>SMITH ENERGY COMPLEX</b>
<b>VENDOR</b>	Greensboro Tank Farm	Greensboro Tank Farm	Hightowers Petroleum Co.
<b>SPOT/CONTRACT</b>	Contract	Contract	Spot
<b>SULFUR CONTENT %</b>	0	0	0
<b>GALLONS RECEIVED</b>	178,417	438,803	7,534
<b>TOTAL DELIVERED COST</b>	\$ 362,634	\$ 929,661	\$ 18,852
<b>DELIVERED COST/GALLON</b>	\$ 2.03	\$ 2.12	\$ 2.50
<b>BTU/GALLON</b>	138,000	138,000	138,000

**Notes:**

*Reimbursements for 2018 Q1 shipments of \$(231,929), \$(407,290) and \$(299,811) for the Asheville, Darlington and Wayne stations, respectively, have been excluded  
Price adjustments of \$2,528 and \$8,024 for the Brunswick and Robinson stations, respectively, have also been excluded*

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**JULY 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	-	-	-
	CONTRACT	34,741	\$ 2,614,641	\$ 75.26
	ADJUSTMENTS	-	81,542	-
	TOTAL	34,741	2,696,182	77.61
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	25,554	1,985,371	77.69
	ADJUSTMENTS	-	87,999	-
	TOTAL	25,554	2,073,369	81.14
<b>ROXBORO</b>	SPOT	25,688	2,216,738	86.29
	CONTRACT	221,017	17,685,065	80.02
	ADJUSTMENTS	-	529,300	-
	TOTAL	246,705	20,431,103	82.82
<b>ALL PLANTS</b>	SPOT	25,688	2,216,738	86.29
	CONTRACT	281,312	22,285,076	79.22
	ADJUSTMENTS	-	698,840	-
	TOTAL	307,000	\$ 25,200,654	\$ 82.09

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**ANALYSIS OF OIL PURCHASED**  
**JULY 2018**

	<b>BRUNSWICK</b>	<b>MAYO</b>	<b>HARRIS</b>	<b>ROBINSON</b>	<b>ROXBORO</b>
<b>VENDOR</b>	Hightowers Petroleum Co.	Greensboro Tank Farm	Hightowers Petroleum Co.	Hightowers Petroleum Co.	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Contract	Contract	Contract	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0	0
<b>GALLONS RECEIVED</b>	7,038	126,160	14,857	7,432	192,898
<b>TOTAL DELIVERED COST</b>	\$ 26,502	\$ 276,939	\$ 28,809	\$ 20,346	\$ 422,764
<b>DELIVERED COST/GALLON</b>	\$ 3.77	\$ 2.20	\$ 1.94	\$ 2.74	\$ 2.19
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	138,000

**Notes:**

*Reimbursements for 2018 Q1 shipments of \$(5,157) for the Darlington station have been excluded*

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**AUGUST 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	-	-	-
	CONTRACT	35,290	\$ 2,691,969	\$ 76.28
	ADJUSTMENTS	-	129,245	-
	TOTAL	35,290	2,821,214	79.94
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	49,979	3,935,619	78.75
	ADJUSTMENTS	-	133,003	-
	TOTAL	49,979	4,068,622	81.41
<b>ROXBORO</b>	SPOT	24,850	2,106,545	84.77
	CONTRACT	230,742	18,443,975	79.93
	ADJUSTMENTS	-	746,928	-
	TOTAL	255,592	21,297,448	83.33
<b>ALL PLANTS</b>	SPOT	24,850	2,106,545	84.77
	CONTRACT	316,011	25,071,562	79.34
	ADJUSTMENTS	-	1,009,177	-
	TOTAL	340,861	\$ 28,187,284	\$ 82.69



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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF OIL PURCHASED**  
**AUGUST 2018**

	<b>BRUNSWICK</b>	<b>DARLINGTON</b>	<b>MAYO</b>	<b>HARRIS</b>
<b>VENDOR</b>	Hightowers Petroleum Co.	Hightowers Petroleum Co.	Greensboro Tank Farm, Indigo and Petroleum Traders	Hightowers Petroleum Co.
<b>SPOT/CONTRACT</b>	Contract	Spot	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0
<b>GALLONS RECEIVED</b>	7,419	14,881	81,697	14,836
<b>TOTAL DELIVERED COST</b>	\$ 16,799	\$ 37,444	\$ 179,882	\$ 25,221
<b>DELIVERED COST/GALLON</b>	\$ 2.26	\$ 2.52	\$ 2.20	\$ 1.70
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000

	<b>ROBINSON</b>	<b>ROXBORO</b>	<b>WAYNE</b>
<b>VENDOR</b>	Hightowers Petroleum Co.	Greensboro Tank Farm, Indigo and Selma Tank Farm	Hightowers Petroleum Co.
<b>SPOT/CONTRACT</b>	Contract	Contract	Spot
<b>SULFUR CONTENT %</b>	0	0	0
<b>GALLONS RECEIVED</b>	22,256	230,548	7,812
<b>TOTAL DELIVERED COST</b>	\$ 45,760	\$ 507,924	\$ 19,501
<b>DELIVERED COST/GALLON</b>	\$ 2.06	\$ 2.20	\$ 2.50
<b>BTU/GALLON</b>	138,000	138,000	138,000

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**SEPTEMBER 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	11,227	\$ 954,374	\$ 85.01
	CONTRACT	24,346	1,875,967	77.05
	ADJUSTMENTS	-	55,104	-
	TOTAL	35,573	2,885,444	81.11
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	12,707	1,013,008	79.72
	ADJUSTMENTS	-	59,127	-
	TOTAL	12,707	1,072,135	84.37
<b>ROXBORO</b>	SPOT	63,540	5,426,476	85.40
	CONTRACT	243,013	19,662,476	80.91
	ADJUSTMENTS	-	337,705	-
	TOTAL	306,553	25,426,657	82.94
<b>ALL PLANTS</b>	SPOT	74,767	6,380,849	85.34
	CONTRACT	280,066	22,551,451	80.52
	ADJUSTMENTS	-	451,936	-
	TOTAL	354,833	\$ 29,384,236	\$ 82.81

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**ANALYSIS OF OIL PURCHASED**  
**SEPTEMBER 2018**

	<b>MAYO</b>	<b>ROXBORO</b>	<b>WAYNE</b>	<b>WEATHERSPOON</b>
<b>VENDOR</b>	Greensboro Tank Farm	Greensboro Tank Farm and Indigo	Indigo	Petroleum Traders
<b>SPOT/CONTRACT</b>	Contract	Contract	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0
<b>GALLONS RECEIVED</b>	51,984	67,312	62,537	96,538
<b>TOTAL DELIVERED COST</b>	\$ 115,840	\$ 150,260	\$ 145,167	\$ 224,578
<b>DELIVERED COST/GALLON</b>	\$ 2.23	\$ 2.23	\$ 2.32	\$ 2.33
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000

**Notes:**

Price adjustment of \$8,830 for the Robinson station is excluded.

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**DUKE ENERGY PROGRESS  
ANALYSIS OF COAL PURCHASED  
OCTOBER 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	23,281	\$ 2,008,926	\$ 86.29
	CONTRACT	34,373	2,859,477	83.19
	ADJUSTMENTS	-	80,256	-
	TOTAL	57,654	4,948,660	85.83
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	-	-	-
	ADJUSTMENTS	-	153,123	-
	TOTAL	-	153,123	-
<b>ROXBORO</b>	SPOT	59,738	5,068,111	84.84
	CONTRACT	196,128	15,907,815	81.11
	ADJUSTMENTS	-	482,210	-
	TOTAL	255,865	21,458,136	83.87
<b>ALL PLANTS</b>	SPOT	83,019	7,077,038	85.25
	CONTRACT	230,501	18,767,292	81.42
	ADJUSTMENTS	-	715,590	-
	TOTAL	313,519	\$ 26,559,919	\$ 84.72

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF OIL PURCHASED**  
**OCTOBER 2018**

	<b>BLEWETT</b>	<b>BRUNSWICK</b>	<b>DARLINGTON</b>	<b>MAYO</b>
<b>VENDOR</b>	Indigo	Hightowers Petroleum Co.	Indigo	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Contract	Contract	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0
<b>GALLONS RECEIVED</b>	125,860	14,863	637,957	7,423
<b>TOTAL DELIVERED COST</b>	\$ 313,436	\$ 30,965	\$ 1,605,717	\$ 16,888
<b>DELIVERED COST/GALLON</b>	\$ 2.49	\$ 2.08	\$ 2.52	\$ 2.28
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000
	<b>ROBINSON</b>	<b>ROXBORO</b>	<b>WAYNE</b>	<b>WEATHERSPOON</b>
<b>VENDOR</b>	Hightowers Petroleum Co.	Greensboro Tank Farm	Indigo	Petroleum Traders
<b>SPOT/CONTRACT</b>	Contract	Contract	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0
<b>GALLONS RECEIVED</b>	14,841	133,956	534,637	52,727
<b>TOTAL DELIVERED COST</b>	\$ 30,447	\$ 302,599	\$ 1,317,553	\$ 122,861
<b>DELIVERED COST/GALLON</b>	\$ 2.05	\$ 2.26	\$ 2.46	\$ 2.33
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000

**Notes:**

Price adjustment of \$10,750 for the Harris station is excluded.

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**NOVEMBER 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	11,711	\$ 1,115,956	\$ 95.29
	CONTRACT	44,783	3,567,604	79.67
	ADJUSTMENTS	-	96,028	-
	TOTAL	56,494	4,779,587	84.60
<b>MAYO</b>	SPOT	-	-	-
	CONTRACT	73,775	5,984,467	81.12
	ADJUSTMENTS	-	105,514	-
	TOTAL	73,775	6,089,981	82.55
<b>ROXBORO</b>	SPOT	62,466	5,933,241	94.98
	CONTRACT	48,429	3,914,358	80.83
	ADJUSTMENTS	-	597,908	-
	TOTAL	110,895	10,445,508	94.19
<b>ALL PLANTS</b>	SPOT	74,177	7,049,197	95.03
	CONTRACT	166,987	13,466,429	80.64
	ADJUSTMENTS	-	799,450	-
	TOTAL	241,164	\$ 21,315,076	\$ 88.38



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**DUKE ENERGY PROGRESS  
ANALYSIS OF OIL PURCHASED  
NOVEMBER 2018**

	<b>ASHEVILLE</b>	<b>HARRIS</b>	<b>MAYO</b>
<b>VENDOR</b>	Indigo	Hightowers Petroleum Co.	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Contract	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0
<b>GALLONS RECEIVED</b>	705,616	7,505	14,988
<b>TOTAL DELIVERED COST</b>	\$ 1,603,813	\$ 12,759	\$ 34,249
<b>DELIVERED COST/GALLON</b>	\$ 2.27	\$ 1.70	\$ 2.29
<b>BTU/GALLON</b>	138,000	138,000	138,000
	<b>ROBINSON</b>	<b>ROXBORO</b>	<b>SMITH ENERGY COMPLEX</b>
<b>VENDOR</b>	Hightowers Petroleum Co.	Greensboro Tank Farm	Petroleum Traders
<b>SPOT/CONTRACT</b>	Contract	Contract	Spot
<b>SULFUR CONTENT %</b>	0	0	0
<b>GALLONS RECEIVED</b>	75,016	404,367	142,803
<b>TOTAL DELIVERED COST</b>	\$ 119,466	\$ 921,975	\$ 326,783
<b>DELIVERED COST/GALLON</b>	\$ 1.59	\$ 2.28	\$ 2.29
<b>BTU/GALLON</b>	138,000	138,000	138,000

**Notes:**

A price adjustment of \$5,190 for the Brunswick station and 2018 Q1 shipment adjustments of \$804 for the Wayne station are excluded.

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**DUKE ENERGY PROGRESS**  
**ANALYSIS OF COAL PURCHASED**  
**DECEMBER 2018**

<b>STATION</b>	<b>TYPE</b>	<b>QUANTITY OF TONS DELIVERED</b>	<b>DELIVERED COST</b>	<b>DELIVERED COST PER TON</b>
<b>ASHEVILLE</b>	SPOT	43,850	\$ 4,100,232	\$ 93.51
	CONTRACT	22,770	1,868,995	82.08
	ADJUSTMENTS	-	78,791	-
	TOTAL	66,620	6,048,018	90.78
<b>MAYO</b>	SPOT	25,207	2,287,499	90.75
	CONTRACT	12,593	943,811	74.95
	ADJUSTMENTS	-	79,070	-
	TOTAL	37,800	3,310,380	87.58
<b>ROXBORO</b>	SPOT	190,029	17,416,027	91.65
	CONTRACT	25,418	2,049,986	80.65
	ADJUSTMENTS	-	451,924	-
	TOTAL	215,447	19,917,937	92.45
<b>ALL PLANTS</b>	SPOT	259,086	23,803,758	91.88
	CONTRACT	60,781	4,862,792	80.01
	ADJUSTMENTS	-	609,785	-
	TOTAL	319,867	\$ 29,276,335	\$ 91.53

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**DUKE ENERGY PROGRESS  
ANALYSIS OF OIL PURCHASED  
DECEMBER 2018**

	<u>ASHEVILLE</u>	<u>ASHEVILLE</u>	<u>BRUNSWICK</u>	<u>MAYO</u>	<u>ROXBORO</u>
<b>VENDOR</b>	Indigo	Indigo	Hightowers Petroleum Co.	Greensboro Tank Farm	Greensboro Tank Farm
<b>SPOT/CONTRACT</b>	Spot	Contract	Contract	Contract	Contract
<b>SULFUR CONTENT %</b>	0	0	0	0	0
<b>GALLONS RECEIVED</b>	7,604	356,055	7,524	255,417	281,963
<b>TOTAL DELIVERED COST</b>	\$ 17,707	\$ 671,468	\$ 12,791	\$ 583,025	\$ 644,700
<b>DELIVERED COST/GALLON</b>	\$ 2.33	\$ 1.89	\$ 1.70	\$ 2.28	\$ 2.29
<b>BTU/GALLON</b>	138,000	138,000	138,000	138,000	138,000

**Notes:**

Price adjustments of \$2,288 and \$25,132 for the Harris and Robinson stations, respectively, are excluded.

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1219**  
**Average Number of Days' Supply of Coal**  
**For the test year ended December 31, 2018 and five preceding years**  
**(Inventory in Tons)**

E-1 Item 46D

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
December Prior Yr	1,743,556	1,841,208	2,333,902	1,848,082	2,016,236	2,441,616
January	1,401,322	1,950,800	2,021,044	1,880,694	1,671,399	2,362,240
February	1,512,097	2,069,007	1,990,454	1,611,361	1,476,310	2,375,534
March	1,603,635	2,016,268	2,259,684	1,688,735	1,219,177	2,336,527
April	1,635,563	2,033,417	2,290,944	1,930,821	1,613,354	2,249,281
May	1,657,153	2,104,761	2,246,733	1,993,054	1,881,339	2,274,263
June	1,416,106	1,984,704	1,965,533	1,666,973	1,897,240	2,063,953
July	1,347,972	1,698,601	1,550,114	1,395,305	2,005,863	1,758,233
August	1,223,678	1,575,135	1,254,298	1,401,390	1,991,077	1,729,114
September	1,237,347	1,620,424	1,255,307	1,625,837	2,047,611	1,908,119
October	1,369,548	1,762,459	1,280,272	1,972,892	2,116,736	1,950,368
November	1,299,494	1,885,366	1,699,232	2,232,795	1,763,658	1,930,103
December	1,204,622	1,743,556	1,841,208	2,333,902	1,848,082	2,016,236
13 Mo Avg	1,434,776	1,868,131	1,845,286	1,813,988	1,811,391	2,107,353
Full Load Burn / Day	36,049	36,049	36,049	36,049	36,049	42,689
Avg # of Days	40	52	51	50	50	49

## Footnotes:

Full Load Burn = (Maximum Dependable Capacity X Heat Rate X 12) / Btu's/Lb

Source: Inventory Control Report (COMTRAC).

## Description:

Days of coal inventory on the storage piles refers to "full load burn days". Therefore, one "day" of supply is equal to how much coal would be burned at any given generating unit if it were to run at full load for 24 hours uninterrupted. The current full load burn for the entire coal-fired fleet in the Carolinas is 36,049 tons per day which means that if there are 40 days of supply on the system, then there are 1,441,960 tons (40 \* 36,049) on the storage piles.

The Company does not use "average" burn to report how many "days" of inventory in storage because the average burn for any given period can vary greatly due to many factors and it can over-state the amount of inventory in storage. For example, the biggest risk would be to run out of coal during a hot summer when the entire coal-fired fleet is needed to run at full load. If we were to use "average" burn to report how many days of inventory we have in storage, it would result in reporting a significantly larger number of days for the same number of tons. By reporting the inventory using "full load burn", we have not over-stated how many days our units can run during a critical time when they are all expected to be running at full load.

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Oct 30 2019

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**Coal Consumption and Inventory Data**  
**For the test year ended December 31, 2018**  
**(Tons)**

Item No. 46e

<u>Station</u>	<u>December 2018 Full Load Burn</u>
Asheville - Units 1, 2	4,032
Mayo - Unit 1	7,657
Roxboro - Units 1, 2, 3, 4	24,360
System Total	36,049

Full Load Burn = (Maximum Dependable Capacity X Heat Rate X 12) / Btu's/Lb

**Proposed Working Capital Allowance - Coal Inventory**

The Company's proposed working capital allowance for coal inventory is based on the **target number of days inventory** at the end of the test year:

a	Actual Balance @ 12/31/2018	E-1 Item 46D	1,204,622 tons
b	Estimated Full Load Burn (December 2018)	See above	36,049 tons
c	Actual Number of Days' Inventory	a / b	33 days
d	Target Number of Days' Inventory	Rate Case Target	35 days
e	Target Balance @ 12/31/2018	b x d	1,261,715 tons

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Oct 30 2019

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**Actual Fuel Cost**  
**For the test period ended December 31, 2018**

**Item No. 46f**  
**Page 1 of 2**

	<u>Coal</u>	<u>Oil</u>	<u>Gas - CT</u>	<u>Gas - CC</u>	<u>Nuclear</u>	<u>Biogas</u>	<u>Total</u>
Cost of Fuel Burned (A)	\$307,900,875	\$74,106,622	\$185,884,718	\$649,230,756	\$184,163,879	\$582,184	\$1,401,869,034
Mbtu's Burned	94,918,963	4,392,179	50,652,825	135,711,710	289,101,792	19,842	574,797,311
MWH Generated	8,603,387	350,363	4,193,549	19,454,158	27,490,999	2,789	60,095,245
Cents per KWH Generated	3.579	21.151	4.433	3.337	0.670	20.874	2.333
Cents per Million Btu	324.38	1,687.24	366.98	478.39	63.70	2,934.10	243.89
Quantity of Fuel Used ( A)	3,766,879 Tons	32,040,602 Gallons	49,316,263 MCF	131,966,322 MCF	289,101,792 Mbtu	19,343 MCF	N/A

Notes: Cost of Fuel & Mbtu's Burned include Light Off Fuel.

Coal excludes Emission Allowance Expense.

Nuclear excludes Nuclear Fuel Canister Costs.

Oil gallons includes gallons used at nuclear stations.

Source: 12 ME December 2018 Monthly Fuel Filing Schedules 5 and 6

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Oct 30 2019



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**Projected Fuel Cost (May 2019-December 2020)**  
**Actual Fuel Cost (January 2019-April 2019)**  
**(\$000)**

**Item No. 46f**  
**Page 2 of 2**

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**Oct 30 2019**

<u>January 2019-December 2019</u>	<u>Coal</u>	<u>Oil/Gas</u>	<u>Nuclear</u>	<u>Total</u>
Cost of Fuel Burned	\$384,722	\$642,473	\$179,528	\$1,206,722
Cents per KWH Generated	3.70	3.01	0.63	2.01
Cents per Million Btu	329.49	410.06	60.47	211.59
<u>January 2020-December 2020</u>	<u>Coal</u>	<u>Oil/Gas</u>	<u>Nuclear</u>	<u>Total</u>
Cost of Fuel Burned	\$304,876	\$679,966	\$185,328	\$1,170,170
Cents per KWH Generated	3.19	2.84	0.63	1.85
Cents per Million Btu	316.50	389.56	59.83	201.53

Note: Cost of Fuel & Mbtu's Burned include Light Off Fuel.

Coal excludes Emission Allowance Expense.

Nuclear excludes Nuclear Fuel Canister Costs.

Excludes Biogas - not yet modeled in Forecast

Source: Actuals and February'19 FOF Financial\_Forecast Report\_DEP.xls

**DO NOT PRINT:**

<u>January 2019-December 2019</u>	<u>Coal</u>	<u>Oil/Gas</u>	<u>Nuclear</u>	<u>Total</u>
Mbtu's Burned	116,762,458	156,678,877	296,864,862	570,306,196
MWH Generated	10,384,560	21,364,753	28,416,083	60,165,396
<u>January 2020-December 2020</u>				
Mbtu's Burned	96,326,653	174,549,405	309,772,987	580,649,046
MWH Generated	9,547,461	23,949,571	29,605,378	63,102,410

Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
0146000 - AR Intercompany Crossbill	(18,486,036)	(19,543,385)	(20,116,715)	(20,664,959)	(21,372,631)	(23,030,272)	(23,800,212)	(24,554,369)	(25,757,800)	(26,559,503)	(27,299,368)	(29,165,827)	(29,975,945)
0146006 - IC Money/pool - Interest Receiv	0	0	0	0	0	0	0	0	9,160	9,122	0	0	0
0146990 - A/R Prop/BI - Bison Interco	0	0	0	0	0	0	0	0	0	0	0	0	20,883,003
0146999 - Inter - Unit Unconsolidated BU	0	0	84	500	0	0	0	0	0	0	0	0	0
0146009 - I/C AR Rollup	(103,956,283)	(127,084,888)	(86,887,908)	(125,654,003)	(144,311,441)	(131,064,050)	(94,629,017)	(144,837,479)	(187,370,249)	(157,990,191)	(207,392,971)	(80,326,052)	(184,712,134)
0146250 - IC Netting - Accts Receivable	122,338,843	157,140,756	176,331,951	148,401,543	176,033,869	175,994,618	116,765,717	181,114,014	223,646,849	180,864,035	243,093,583	185,142,972	212,916,814
0146104 - IC AR - Joint Dispatch	432,362	316,776	189,377	56,404	58,349	377,762	704,087	201,759	189,696	20,063	139,285	42,139	(13,259)
0146992 - Federal Tax Refunds - Interco	(22,133,661)	(22,133,661)	33,886,024	12,144,924	12,144,924	12,144,924	0	0	0	78,941,688	78,941,688	78,941,688	27,917,030
0146994 - State Tax Refunds - Interco	1,415,660	1,415,660	1,415,660	421,340	421,340	421,340	0	0	0	8,456,970	8,456,970	8,456,970	840,918
0146996 - Franchise Tax - Interco	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	18,557,852	16,812,806
0146991 - IT Franchise Tax Rec - Interco	58,919,662	58,270,986	57,622,309	57,010,639	56,398,967	55,787,296	55,175,626	54,563,954	53,952,283	53,340,612	52,597,559	51,854,506	45,350,998
146 Accounts Receivable from Associated Companies	57,088,400	66,940,096	180,998,008	90,274,239	97,931,230	109,129,469	72,774,053	85,045,732	83,227,791	155,660,646	167,094,597	233,504,249	110,020,232
0151130 - Coal Stock	134,497,610	105,740,291	111,876,421	116,528,295	119,844,600	119,969,598	96,562,301	90,476,669	84,039,368	89,075,698	101,044,995	102,992,279	97,818,667
0151131 - Coal Stock in Transit	4,587,713	6,725,004	8,144,539	8,847,320	8,360,909	10,017,544	12,303,580	12,543,880	11,667,937	9,495,188	9,898,650	5,638,594	8,466,006
0151140 - Diesel Fuel Stock	103,673,669	108,230,716	111,125,878	110,395,060	110,788,015	109,751,316	109,508,756	108,369,187	107,949,455	109,021,319	113,120,292	115,507,757	113,736,083
0151170 - Oil Stock in Transit	1,876	0	0	874	0	0	1,508	0	0	294	0	0	3,551
0151660 - Natural Gas Inventory	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
151 Fuel Stock	242,760,869	220,696,011	231,146,838	235,771,550	238,993,524	239,738,458	218,376,145	211,389,736	203,656,760	207,592,499	224,063,936	224,138,629	220,024,307
0154100 - Inventory	735,011,882	737,088,900	739,348,008	724,188,605	712,396,160	720,143,590	716,810,492	719,542,147	709,504,777	710,759,462	699,164,502	699,350,027	699,921,617
0154140 - Misc Inventory	6,340,365	6,421,406	6,971,135	6,083,453	6,593,352	6,818,129	1,852,236	1,874,471	1,080,097	886,152	5,665,044	5,077,079	4,426,874
0154200 - Limestone Inventory	4,763,273	4,340,168	4,771,645	4,631,801	5,288,096	5,748,727	5,188,757	5,207,667	5,108,794	4,795,344	5,292,181	5,074,468	4,530,355
0154990 - Schm Inv Cr - Surplus Mat'l Ident	(6,984,552)	(7,165,588)	(7,164,224)	(7,064,245)	(7,064,245)	(7,066,789)	(6,413,891)	(6,412,659)	(6,345,122)	(6,083,882)	(6,879,451)	(6,653,755)	(8,269,630)
0154101 - Inventory Estimate	0	0	0	0	0	0	0	44	4,179	4,179	4,179	4,179	0
0154122 - Limestone in Transit Inventory	1,829	0	0	0	0	0	248,781	0	242,043	238,361	0	4,179	0
154 Plant Material and Operating Supplies	739,132,797	740,684,886	743,926,564	727,839,615	717,213,362	725,643,657	717,686,375	720,211,670	709,594,769	710,559,617	703,246,456	702,851,998	700,609,217
0156010 - Other M&S / Inventory	134,782	143,200	149,716	148,610	146,498	137,552	160,172	141,565	149,967	189,567	182,936	191,780	182,270
156 Other Materials and Supplies	134,782	143,200	149,716	148,610	146,498	137,552	160,172	141,565	149,967	189,567	182,936	191,780	182,270
0158120 - RECs - DE Carolinas - NC	106,812,060	108,666,902	111,077,333	114,388,647	116,074,386	119,136,458	104,685,328	107,477,029	110,342,403	112,347,505	114,853,779	118,288,989	120,428,610
0158150 - SO2 Current Vintage	2,275,099	2,272,360	2,269,380	2,268,547	2,267,495	2,266,094	2,264,643	2,262,024	2,260,022	2,257,865	2,256,355	2,255,412	2,254,148
158 Allowances	109,087,159	110,939,262	113,346,714	116,657,194	118,341,881	121,402,552	106,949,971	109,739,053	112,602,426	114,605,370	117,110,133	120,544,402	122,682,758
0163110 - Stores Expense	30,732,040	31,423,854	34,070,743	33,533,740	31,813,672	33,450,026	34,172,820	34,475,537	30,595,138	31,993,487	31,330,273	32,256,948	28,032,771
0163160 - Stores Exp Distribution - Credit	4,466,862	4,382,450	4,470,476	4,715,667	4,843,004	4,914,889	5,229,248	5,048,916	5,231,018	5,290,859	5,224,897	5,193,317	5,148,318
0163180 - Freight And Express	194,793	194,726	194,726	194,727	198,609	198,830	200,265	201,190	202,165	202,217	202,853	202,853	203,538
0163000 - Commodity Cost	0	0	0	0	0	0	62,470	0	0	0	0	0	0
163 Store Expenses Undistributed	35,393,695	36,001,030	38,735,945	38,444,133	36,855,285	38,563,745	39,664,803	39,725,642	36,028,320	37,426,563	36,758,023	37,653,117	33,384,627
0165075 - Interco Prepaid Insu SchM	0	9,745,084	8,859,167	7,973,250	7,087,334	6,201,417	5,315,500	4,429,584	3,543,667	2,657,750	1,771,834	885,917	0
0165120 - Unexpired Insurance - Nuclear	5,408,071	7,753,051	6,697,061	5,641,071	4,585,081	3,529,091	2,473,101	1,417,115	8,357,425	7,417,308	6,477,192	5,537,076	4,596,958
0165400 - Misc Prepaid Expenses	2,342,890	8,788,559	6,763,417	4,738,275	7,209,133	5,183,992	3,158,850	2,632,375	2,193,566	1,667,091	5,671,616	2,216,609	9,403,624
0165011 - Ppd - Software - Purchase	249,907	0	0	0	0	0	0	0	0	0	0	0	0
0165513 - Prepaid Expense - Misc.	159,797	154,756	22,496	7,292	18,107	6,080	6,000	4,726	4,253	0	0	0	0
0165538 - LTSA - Long Term Portion FTG	64,388,496	64,471,855	64,474,221	70,453,849	63,691,789	60,262,282	64,901,475	64,987,200	64,987,200	71,061,522	71,095,812	71,181,537	76,832,194
0165009 - Prepaid Inv - Solar Recs	267,238	252,064	236,890	221,716	206,542	191,368	176,194	161,020	150,441	139,861	129,283	118,704	108,124
165 Prepayments	72,816,399	91,165,369	87,053,252	89,035,453	82,797,986	75,374,229	76,031,120	73,632,019	79,236,552	82,943,533	85,145,737	79,939,844	90,940,901
0172004 - RENTS REC-REAL ESTATE	326,380	126,962	194,229	101,373	77,018	109,325	273,855	151,434	137,210	202,822	155,601	94,326	94,136
172 Rent Receivable	326,380	126,962	194,229	101,373	77,018	109,325	273,855	151,434	137,210	202,822	155,601	94,326	94,136
0173100 - Unbilled Revenue Receivable	143,197,755	111,377,398	97,158,205	107,742,531	90,277,514	128,549,804	131,890,457	137,853,840	143,701,175	131,993,205	93,098,914	115,329,192	129,690,282

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Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
173 Accrued Utility Receivable	143,197,755	111,377,398	97,158,205	107,742,531	90,277,514	128,549,804	131,890,457	137,853,840	143,701,175	131,933,205	93,098,914	115,329,192	129,690,282

Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
0174015 - Customer Collateral	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(1,034)
0174300 - Swap Int Receivl Cur Reg Asset	563,130	563,130	563,130	2,033,510	2,033,510	2,033,510	2,935,378	2,935,378	2,935,378	3,001,970	3,001,970	3,001,970	10,149,055
174 Miscellaneous Current and Accrued Assets	563,130	563,130	563,130	2,033,510	2,033,510	2,033,510	2,935,378	2,935,378	2,935,378	3,001,970	3,001,970	3,001,970	10,148,021
0176001 - 3rd Party Derivative Asset Current	1,516,751	2,614,637	1,255,458	1,273,730	650,430	3,115,560	1,475,522	435,074	662,265	477,093	3,145,244	23,921,866	312,308
0176003 - Accrued Interest Recv - Swaps	104,151	104,151	104,151	0	0	0	0	0	0	0	0	0	0
L1 Portion of Derivative Instruments Assets Hedges (CALC)	551,380	149,521	341,612	453,553	256,070	207,728	57,769	77,774	106,171	27,887	779,191	897,508	449,408
176 Derivative Instruments Assets Hedges	2,112,282	2,868,309	1,701,221	1,727,283	906,500	3,323,288	1,533,291	512,847	768,436	504,980	3,924,436	24,819,374	761,715
(Less) Long Term Portion of Derivative Instruments Assets - Hedges	(551,380)	(149,521)	(341,612)	(453,553)	(256,070)	(207,728)	(57,769)	(77,774)	(106,171)	(27,887)	(779,191)	(897,508)	(449,408)
Current Maturities of Deferred Debits	1,620,902	2,718,788	1,359,609	1,273,730	650,430	3,115,560	1,475,522	435,074	662,265	477,093	3,145,244	23,921,866	312,308
Current Assets	1,876,367,616	2,076,362,358	1,998,009,716	1,853,502,225	1,801,333,926	1,886,274,273	1,865,907,923	1,923,456,330	2,092,564,549	2,024,982,904	1,911,398,777	1,980,156,438	1,908,483,696

CURRENT AND ACCRUED LIABILITIES

0232016 - AP P58.9 Vendors Payable	102,749,253	81,743,575	87,046,479	110,546,843	106,556,082	125,894,989	111,959,105	88,266,765	72,734,025	118,764,028	145,722,191	116,177,872	131,992,085
0232120 - Vouchers Payable - Special	77,845	0	0	0	0	0	0	0	0	0	1,510,333	0	31,299
0232124 - NRC License Fee Pay	0	0	0	0	0	0	0	1,557,000	3,114,000	0	0	0	0
0232125 - NRC Inspection Fee Pay	2,357,262	2,570,107	1,332,482	2,175,190	3,005,730	1,310,738	1,913,738	2,729,375	1,277,845	1,924,468	2,447,846	3,213,595	1,759,630
0232140 - Customer Refunds Payable	0	0	0	0	0	0	0	0	0	0	0	0	0
0232151 - Pp Accounts Payable - Stores	21,751,412	12,072,624	16,459,397	11,025,385	17,194,546	23,471,459	21,318,912	11,577,266	20,451,770	10,788,165	21,310,559	8,033,197	19,796,025
0232170 - Accounts Payable - Coal	5,519,640	5,617,945	6,513,047	5,853,999	3,897,874	6,355,742	4,325,443	7,737,731	7,699,651	9,636,476	7,272,606	5,599,292	10,584,579
0232175 - Limestone and Freight Payable	360,971	681,937	531,595	165,900	468,321	306,467	722,242	480,247	381,494	426,146	230,654	384,650	560,533
0232180 - Accounts Payable - Oil Stocks	25,463	11,124,352	(1,861,760)	(2,237,820)	(2,282,379)	(589,489)	(135,991)	(183,260)	5,245	163,399	216,146	10,448	5,303
0232190 - Coal Freight Payable	2,367,426	918,980	3,268,203	817,502	703,383	3,465,788	1,417,978	3,107,204	2,152,948	3,257,224	4,056,565	2,652,741	2,248,189
0232892 - A/P Miscellaneous	0	0	0	0	(39)	(39)	(39)	(39)	(39)	0	0	0	0
0232331 - A/P - ENERGY NEIGHBOR FUND	19,189	23,379	17,605	14,686	12,476	13,560	12,011	12,055	13,226	10,648	12,826	12,689	19,827
0232460 - Bulk Power Marketing Payable	0	0	0	0	95,005	0	521,853	5,291	0	0	4,000,000	5,000,000	5,000,000
0232480 - Co - Generation	23,080,259	17,097,617	22,129,986	20,102,778	25,283,191	28,357,932	31,515,366	33,589,047	34,013,153	30,997,337	23,125,641	23,652,833	17,346,109
0232410-Transmission Payables	(15,528)	53,118	112,032	143,081	(17,667)	(18,679)	6,931	(22,759)	(4,293)	50,024	79,808	10,749	(17,200)
0232109 - A/P BPM - Actual	7,574,540	11,313,510	8,103,325	6,862,205	3,746,406	6,210,456	11,595,893	21,575,429	21,244,484	12,370,716	6,975,821	7,964,427	9,669,824
0232061 - Checks not presented - reclass	26,272,218	1,037,397	0	0	5,306,526	8,592,035	20,378,632	3,936,847	41,331,381	113,812,345	367,623	124,068,332	35,624,132
0232966 - Capital - Accruals	139,622,019	84,799,697	73,824,703	102,508,065	102,918,614	99,452,073	109,918,614	102,111,841	113,812,345	186,093,922	181,968,216	124,068,332	119,772,412
0232039 - Payable 401K Incentive Match	3,436,485	3,690,965	3,922,572	804,782	1,072,803	1,333,512	1,576,391	1,823,018	2,124,054	2,389,521	2,662,848	2,952,790	3,350,314
0232181 - Natural Gas Payable	12,511,016	12,252,585	12,421,081	12,652,389	12,864,724	12,960,715	12,721,401	13,385,635	13,048,100	13,056,138	13,506,744	12,277,898	12,354,258
0232002 - A/P - Misc - Gen - Actg	34,262,194	29,291,501	22,476,572	40,866,508	40,169,223	29,852,684	27,225,792	25,281,100	29,667,835	398,932,907	276,975,175	265,193,708	261,393,343
0232026 - AP - CAP Rent Long Term	0	0	0	0	0	0	0	0	0	0	0	0	63,354,917
0232176 - Reagent Payable	668,491	1,005,072	337,125	288,095	322,695	332,952	640,643	580,918	637,062	520,091	324,298	335,528	792,577
0232177 - Generic By Products Payable	1,003,550	856,442	359,289	1,104,260	1,132,908	1,318,455	1,241,782	928,369	1,167,674	335,597	790,504	762,085	859,746
0232335 - NCEMPA - Other	0	5,984,631	5,984,631	5,984,631	0	0	0	0	0	0	0	0	0
0232270 - Passport Unouchned Liability	7,379,756	6,648,051	6,530,977	6,477,969	6,372,793	6,302,395	5,647,668	5,680,898	6,176,362	6,120,364	7,134,325	7,134,325	7,134,325
0232000 - A/P Vendors Payable	298,262	10,631,000	0	0	0	0	0	0	(5,208)	0	(5,208)	(10,417)	(10,417)
0232155 - Accounts Payable - Stores CAS	486,252	369,748	1,902,916	2,330,177	2,157,418	1,793,106	1,825,302	3,010,977	2,534,173	1,747,229	2,070,868	1,123,639	(1,148,965)
0232178 - Accrued Settlements Payable	12,506,238	12,519,365	12,474,720	11,675,815	11,845,815	11,744,503	12,241,736	13,162,358	13,087,595	12,518,584	12,291,366	12,086,060	12,940,282
232 Accounts Payable	404,314,214	312,303,598	283,886,989	340,162,440	342,839,313	368,434,366	378,591,403	340,335,505	386,664,880	810,112,984	715,237,754	670,391,349	723,822,837
0233150 - IC Moneypool - ST Notes Pay	239,986,000	383,372,000	356,026,000	354,253,000	407,970,000	472,877,000	540,122,000	489,376,000	0	0	26,479,000	233,545,000	293,651,000
233 Notes Payable to Associated Companies	239,986,000	383,372,000	356,026,000	354,253,000	407,970,000	472,877,000	540,122,000	489,376,000	-	-	26,479,000	233,545,000	293,651,000
0232232 - A/P Affiliates	(143,191)	(129,126)	(190,204)	(205,048)	(334,267)	(247,691)	913	(24,558)	(147,917)	(160,780)	(166,314)	(213,852)	(251,401)
0234000 - IC Moneypool - ST Interest Pay	52,977	25,918	25,503	63,520	35,442	37,966	85,413	39,418	9,125	29,266	11,847	26,994	34,432
0234010 - I/C AP - Joint Dispatch	50,747,976	148,358,749	43,256,551	53,138,022	29,646,210	37,570,243	52,427,403	51,733,456	48,043,789	64,228,274	43,291,074	46,803,698	58,457,203
0234250 - IC Netting - Acts Payable	122,338,842	146,139,513	165,311,493	148,401,543	164,969,017	164,846,064	116,765,718	169,976,590	212,484,590	180,864,033	231,931,324	173,980,713	212,916,814
234 Accounts Payable to Associated Companies	172,996,605	294,395,054	208,403,343	201,398,037	194,316,402	202,206,562	169,279,446	221,724,906	260,389,586	244,960,794	275,067,930	220,597,553	271,157,048
0235000 - Cust Dep NC-CIM	109,439,109	109,455,711	109,993,783	110,775,017	111,333,437	111,869,022	113,106,049	114,232,589	115,528,508	115,592,936	115,937,736	116,456,958	116,588,158

Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
0235001 - Cust Dep SC-CIM	19,816,319	19,771,174	19,950,866	20,058,452	20,439,015	20,680,331	20,283,806	20,424,789	20,551,284	20,421,551	20,465,848	20,463,110	20,682,549
235 Customer Deposits	129,255,428	129,226,885	129,944,648	130,833,469	131,772,452	132,549,353	133,389,856	134,657,378	136,079,792	136,014,487	136,403,584	136,920,067	137,270,708

Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
0236000 - NC Prop Tax - Electric	17,008,589	5,525,357	11,029,170	16,543,791	22,070,245	27,598,980	33,091,695	38,620,489	44,052,586	47,756,958	53,285,752	58,814,546	960,136
0236040 - NC Prop Tax - License Non - Util	0	8,122	16,244	24,366	32,488	40,610	48,732	56,854	64,976	73,098	81,220	89,342	97,464
0236050 - NC Municipal License - Elec	(152,338)	(121,870)	(91,403)	(60,935)	(30,468)	(0)	(335,143)	(304,675)	(274,208)	(243,741)	(213,273)	(182,805)	(157,368)
0236150 - St/Local Unemployment Tax Liab	2,052	64,221	112,041	141,507	10,847	12,607	3,807	(938)	607	1,731	(1,475)	(673)	(0)
0236360 - SC Prop Tax - Electric	33,015,341	2,926,296	5,854,827	8,783,358	11,711,889	14,640,420	17,562,235	20,490,766	23,419,297	26,347,828	29,270,359	32,204,890	35,133,421
0236400 - SC Prop Tax - Misc Non - Util	0	4,302	8,604	12,906	17,208	21,510	25,812	30,114	34,416	38,718	43,020	47,332	51,624
0236470 - Franchise Tax Accrual	1,972,505	2,768,537	1,592,064	1,886,652	2,693,837	1,614,370	2,421,555	3,228,740	1,614,370	2,421,555	2,554,948	524,459	2,268,649
0236520 - S - C, Pubi Ser Comm - Electric	1,877	2,351	483	875	1,076	849	1,509	790	276	294	330	1,038	1,330
0236700 - Employer FICA Tax Liab	5,816,274	6,247,031	6,441,558	1,436,464	1,909,806	1,881,809	2,225,887	2,574,341	3,000,809	3,391,053	3,806,600	4,887,658	4,775,076
0236750 - Federal Unemployment Tax Liab	3,774	193,028	216,077	222,302	1,951	4,328	6,950	2,007	3,900	1,062,300	1,467,767	1,116,556	4,006
0236906 - Use Tax Payable	794,403	265,156	389,866	848,036	817,749	446,573	1,261,570	407,298	761,344	8,456,970	8,456,970	8,456,970	758,211
0236940 - Current Tax ReClass State Cr	1,415,660	1,415,660	1,415,660	421,340	421,340	421,340	0	0	0	0	0	0	840,918
0236965 - Accrued SIT - Prior Year	0	0	0	0	0	0	0	0	(5,797,492)	(5,797,492)	(2,658,575)	0	27,917,030
0236980 - Current Tax ReClass Fed Cr	33,886,024	33,886,024	33,886,024	12,144,924	12,144,924	12,144,924	0	0	(38,344,454)	(38,344,454)	(38,207,581)	15,272	0
0236981 - Fed Inc Tax Payable - Prev Yr	0	0	0	0	0	0	0	0	78,941,688	78,941,688	78,941,688	78,941,688	78,941,688
0236990 - Fed Inc Tax Payable - Current	(33,886,024)	(33,886,024)	18,090,980	(12,144,924)	(12,987,121)	(2,116,735)	29,010,563	56,595,101	46,453,491	(40,597,234)	(23,350,315)	8,034,317	(27,617,030)
0236993 - LT Liability Fed - UTP	3,714,320	3,714,320	3,714,320	3,714,320	3,714,320	3,714,320	3,714,320	3,714,320	4,708,230	4,708,230	4,708,230	4,708,230	4,708,230
0236001 - State It Payable Other	(1,133,672)	(1,133,672)	3,423,388	(396,920)	(396,920)	(593,881)	1,442,208	1,442,208	6,567,413	(2,659,478)	(2,691,947)	1,405,667	(278,461)
0236986 - LT Liability Fed - KTRA	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
0236988 - LT Liability ST UTP PGN	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704	1,370,704
0236375 - SC CORP LIC UNBILL ACCRUAL	57,397	50,086	41,734	44,853	43,456	56,443	51,355	60,608	60,812	53,934	41,453	50,253	53,164
0230690 - S - C, Mun. License - Elect	7,572,351	8,726,960	8,611,795	9,257,942	10,038,804	3,697,281	4,636,768	5,745,962	6,011,314	7,026,114	8,000,490	7,654,950	8,436,539
<b>226 Taxes Accrued</b>	<b>71,459,237</b>	<b>32,026,587</b>	<b>96,124,135</b>	<b>44,251,561</b>	<b>53,586,134</b>	<b>64,956,453</b>	<b>96,540,527</b>	<b>134,034,688</b>	<b>92,714,480</b>	<b>94,014,681</b>	<b>124,914,096</b>	<b>208,143,208</b>	<b>59,278,673</b>
0237038 - LT Interest Accrued	1,313,243	1,313,243	1,313,243	1,313,243	1,313,243	1,313,243	1,313,243	1,313,243	1,313,243	1,370,901	1,370,901	1,370,901	1,390,331
0237110 - Bonds Interest Payable	553,088	573,880	551,245	704,671	726,743	769,891	754,156	787,458	781,703	760,063	807,410	810,109	880,048
0237220 - Int Accrued on NC Cust Deposit	23,891,186	23,995,830	24,209,774	24,334,817	24,489,446	24,827,022	25,045,767	25,231,354	25,540,570	25,601,247	25,707,319	26,071,938	26,282,434
0237240 - Int Accrued on SC Cust Dep	582,919	557,815	555,070	579,986	565,331	563,803	588,932	574,212	563,665	594,945	566,216	596,502	584,320
0237510 - Bonds Interest Payable	76,474,818	83,934,613	84,426,844	60,327,097	59,541,367	65,786,698	76,263,626	83,929,637	86,419,953	73,246,882	66,187,407	74,869,539	87,740,694
<b>227 Interest Accrued</b>	<b>102,815,253</b>	<b>110,375,381</b>	<b>111,056,176</b>	<b>87,259,814</b>	<b>86,636,130</b>	<b>93,260,656</b>	<b>103,965,725</b>	<b>111,835,904</b>	<b>114,619,136</b>	<b>101,654,039</b>	<b>94,639,253</b>	<b>103,718,389</b>	<b>116,877,826</b>
0241110 - State Income Tax Wh - Employee	405,265	380,091	338,298	835,585	434,507	417,203	400,126	383,163	(6,894)	998,485	451,092	532,610	417,494
0241150 - Federal Income Tax Wh - Employee	0	0	(786,171)	0	(21,596)	(21,596)	(21,596)	(24,652)	(24,652)	(24,652)	(24,652)	1,133,646	(57,689)
0241160 - FICA Withheld - Employee	(1,710)	(1,636)	(245,604)	(1,636)	(7,259)	(7,259)	(7,259)	(8,194)	(8,194)	(8,194)	(8,194)	704,367	(21,347)
0241310 - General Sales Tax	985,116	1,279,444	1,154,576	1,029,103	1,028,954	1,093,188	1,221,583	1,371,352	1,450,490	1,283,110	1,288,108	1,148,258	847,944
0241320 - Utility Sales Tax	4,140,641	11,932,337	7,086,634	4,616,873	4,675,117	4,049,339	8,261,924	10,269,559	10,530,048	8,773,114	7,849,379	5,292,385	6,749,372
0241335 - Local Taxes Withheld	1,102	209	593	1,308	398	481	787	454	529	424	462	483	459
<b>241 Tax Collections Payable</b>	<b>5,530,414</b>	<b>13,590,445</b>	<b>7,548,327</b>	<b>6,481,232</b>	<b>6,110,122</b>	<b>5,531,356</b>	<b>9,855,565</b>	<b>11,991,683</b>	<b>11,941,327</b>	<b>10,962,288</b>	<b>9,556,195</b>	<b>8,811,749</b>	<b>7,936,232</b>
0242215 - Payroll Severance Reserves	1,297,489	1,220,964	1,217,151	1,210,814	1,100,452	1,096,979	1,259,232	1,185,503	1,182,891	1,099,366	1,094,994	5,189	41,397,784
0242310 - Green Power Payable	14,146	13,163	13,083	15,400	13,357	14,200	13,402	13,098	14,894	11,610	13,869	14,292	12,528
0242320 - Transmission Open Acc - Deposits	0	100,000	100,000	100,000	100,000	100,000	100,000	100,000	200,000	210,000	359,800	359,800	419,445
0242460 - Prior for Incentive Ben Prog	61,809,920	66,280,930	70,808,996	15,943,476	20,909,475	25,737,444	30,235,108	34,806,307	40,381,054	45,475,811	50,911,353	57,811,698	59,655,422
0242461 - Prior Year Incentive Accrual	0	0	0	0	0	0	0	0	0	0	0	0	0
0242490 - Vacation Carryover	55,678,796	55,638,808	55,623,850	55,583,952	55,496,214	55,427,888	55,401,265	55,296,790	55,253,465	55,184,566	55,158,047	55,070,041	56,737,919
0242540 - Escrowments Payable	323,250	323,250	323,250	323,250	323,250	323,250	323,250	323,165	323,165	(49)	(49)	(49)	(49)
0242650 - Accrued Payable - Other	2,453,111	2,453,111	2,453,111	2,453,111	2,459,656	2,480,441	2,425,662	2,425,662	2,422,231	2,417,001	2,479,516	3,444,046	357,647
0242216 - Payroll ST Retention/Speci Rsvs	136,118	136,118	136,118	240,457	240,457	240,457	236,294	141,294	140,294	193,296	192,996	192,996	207,563
0242997 - Misc Liab - FAS 87 NQ	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,237,488	2,219,734
0242330 - Carbon Offset Program - NC	720	710	726	760	704	766	698	693	735	576	742	770	625
0242897 - NC Pension Liability - FAS 87	11,321,462	11,321,462	11,321,462	5,846,321	5,846,321	5,846,321	11,147,134	11,147,134	11,147,134	8,150,111	8,150,111	8,150,111	10,683,247
0242898 - OPEB Current Liability	448,403	448,403	448,403	448,403	448,403	448,403	448,403	448,403	448,403	448,403	448,403	0	312,795
0242899 - FAS 112 Current Liability	15,237,353	15,237,353	15,237,353	15,237,353	15,237,353	15,237,353	15,237,353	15,237,353	15,237,353	15,237,353	15,237,353	0	3,387,967
0242396 - CURR&ACR LWA WORKERS COMP	1,862,974	1,862,974	1,862,974	1,862,974	1,862,974	1,862,974	1,862,974	1,862,974	1,862,974	1,862,974	1,862,974	0	2,005,693
0242398 - CURR&ACR LWA MISC	342,457	302,950	299,934	270,381	239,887	212,03	169,446	145,230	64,074	30,772	(40,874)	(40,874)	333,113
0232005 - Long Term Disability Deduction	55,503	58,695	56,436	66,389	64,118	62,033	60,099	58,039	67,554	65,362	63,369	61,125	59,192
0232045 - Supplemental Life Deductions	271,263	283,576	267,678	302,042	285,075	269,337	253,817	237,499	270,882	254,847	234,763	218,553	211,188
0232048 - Supplemental AD&D Deduction	42,809	43,672	42,051	50,584	48,762	46,854	45,254	43,318	51,584	49,809	48,084	46,258	44,687
0242152 - Solar Interconnect Deposits	10,783,328	9,761,428	11,144,198	14,320,169	9,672,000	9,681,860	9,524,599	8,797,164	7,793,198	7,360,631	7,063,449	6,696,212	7,286,827



Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
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0242153 - Performance Securities	7,007,525	10,953,827	12,453,827	12,453,827	12,453,827	13,003,827	13,003,827	13,003,827	12,812,010	12,812,010	12,812,010	12,812,010	15,545,263
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Account & Description	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
0242110 - Contract Retentions	185,778	156,798	77,110	70,330	(91,718)	(91,718)	(253,383)	(285,270)	(158,754)	(50,220)	27,747	241,008	814,388
0232004 - Vision Deduction	0	(2,226)	(4,313)	7,036	4,870	2,612	406	(1,776)	9,130	64,156	4,827	0	0
0242450 - Collections From Payroll - Misc	0	0	0	0	0	(85)	(85)	0	0	0	0	0	0
0232049 - Medical & HSA Deductions	0	0	0	(0)	(28)	125	0	0	0	0	0	0	0
0232052 - Medical Spending Acct Deduct	0	0	0	29,468	0	0	0	0	0	0	0	0	0
0232053 - Dependent Spending Acct Deduct	0	0	0	35,740	0	0	0	0	0	0	0	0	0
0232067 - Dental Deductions	0	0	0	45	0	0	0	0	0	0	0	0	0
242 Miscellaneous Current and Accrued Liabilities	207,717,863	207,874,053	218,809,053	159,369,688	157,069,731	163,181,395	170,189,275	172,792,265	177,240,284	176,851,287	183,463,283	169,340,377	227,936,822
0243105 - Current Portion of Cap Lease Obligation	2,861,742	2,895,547	2,929,353	2,963,158	2,996,963	3,030,768	3,064,574	3,098,379	3,112,184	3,165,989	3,199,795	3,233,600	3,267,405
243 Obligations Under Capital Leases - Current	2,861,742	2,895,547	2,929,353	2,963,158	2,996,963	3,030,768	3,064,574	3,098,379	3,112,184	3,165,989	3,199,795	3,233,600	3,267,405
0244005 - Derivative Instr-Regulatory-ST	563,130	563,130	563,130	2,033,510	2,033,510	2,033,510	2,935,378	2,935,378	2,935,378	3,001,970	3,001,970	3,001,970	10,149,055
0244007 - Accrued Interest Exp-Swaps-Reg	0	0	0	66,200	66,200	66,200	509,133	509,133	509,133	491,041	491,041	491,041	1,084,394
Long-Term Portion of Derivative Instrument Liabilities Calc	5,556,146	5,556,146	5,556,146	7,460,656	7,460,656	7,460,656	8,635,726	8,635,726	8,635,726	7,825,580	7,825,580	7,825,580	4,886,654
244 Derivative Instr Liab	6,119,276	6,119,276	6,119,276	9,560,366	9,560,366	9,560,366	12,080,237	12,080,237	12,080,237	11,318,591	11,318,591	11,318,591	16,120,103
0245001 - 3rd Party Derivative Liability Current	6,676,582	20,346	7,812,026	3,561,447	5,860,287	664,740	1,137,794	6,805,544	2,994,284	3,032,634	2,071,564	0	2,738,343
Long-Term Portion of Derivative Instrument Liabilities-Hedges Calc	3,397,097	3,591,177	6,611,716	5,317,409	9,732,935	8,150,850	6,527,948	9,402,223	8,624,564	7,324,511	4,195,611	1,568,937	3,728,239
245 Derivative Instrument Liabilities - Hedges	10,073,679	3,611,523	14,423,741	8,878,857	15,593,222	8,815,590	7,665,742	16,207,767	11,618,848	10,357,146	6,267,175	1,568,937	6,466,582
Total Current and Accrued Liabilities	1,339,129,712	1,495,790,349	1,435,271,041	1,345,411,622	1,408,450,836	1,524,403,866	1,624,744,349	1,648,134,712	1,206,480,753	1,599,412,287	1,586,546,655	1,767,589,419	1,863,785,236
Less: Adjustments for Non-Current Portion													
244 Derivative Instr Liabilities	5,556,146	5,556,146	5,556,146	7,460,656	7,460,656	7,460,656	8,635,726	8,635,726	8,635,726	7,825,580	7,825,580	7,825,580	4,886,654
245 Derivative Instr Liab - Hedges	3,397,097	3,591,177	6,611,716	5,317,409	9,732,935	8,150,850	6,527,949	9,402,223	8,624,564	7,324,511	4,195,611	1,568,937	3,728,239
Adjusted Current and Accrued Liabilities Total	1,344,176,468	1,486,643,026	1,423,103,180	1,332,633,557	1,391,257,246	1,508,792,360	1,609,580,675	1,630,096,763	1,189,220,463	1,584,262,195	1,574,525,464	1,758,194,903	1,855,170,343
Total Current and Accrued Liabilities	1,344,176,468	1,486,643,026	1,423,103,180	1,332,633,557	1,391,257,246	1,508,792,360	1,609,580,675	1,630,096,763	1,189,220,463	1,584,262,195	1,574,525,464	1,758,194,903	1,855,170,343
Net Current Position													
Total Current and Accrued Assets	1,876,367,616	2,076,362,358	1,998,009,716	1,853,502,225	1,801,333,926	1,886,274,273	1,865,907,923	1,923,456,330	2,092,564,549	2,024,982,904	1,911,398,777	1,980,156,438	1,908,483,696
Total Current and Accrued Liabilities	1,344,176,468	1,486,643,026	1,423,103,180	1,332,633,557	1,391,257,246	1,508,792,360	1,609,580,675	1,630,096,763	1,189,220,463	1,584,262,195	1,574,525,464	1,758,194,903	1,855,170,343
Net Current Position	532,191,148	589,719,332	574,906,537	520,868,668	410,076,680	377,481,914	256,327,249	293,359,567	903,344,085	440,720,709	336,873,313	221,961,535	53,313,352
13 Month Averages													
Total Current and Accrued Assets Test Year Avg. (Dec 2017 - Dec 2018)	1,938,369,287												
Total Current and Accrued Liabilities Test Year Avg. (Dec 2017 - Dec 2018)	1,514,435,126												
Net Current Position Test Year Avg. (Dec 2017 - Dec 2018)	423,934,161												
Reconciliation to Balance Sheet													
Total Current and Accrued Assets per above	1,876,367,616	2,076,362,358	1,998,009,716	1,853,502,225	1,801,333,926	1,886,274,273	1,865,907,923	1,923,456,330	2,092,564,549	2,024,982,904	1,911,398,777	1,980,156,438	1,908,483,696
Total Current and Accrued Assets per Balance Sheet	1,876,367,616	2,076,362,358	1,998,009,716	1,853,502,225	1,801,333,926	1,886,274,273	1,865,907,923	1,923,456,330	2,092,564,549	2,024,982,904	1,911,398,777	1,980,156,438	1,908,483,696
Difference	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Current and Accrued Liabilities per above	1,344,176,468	1,486,643,026	1,423,103,180	1,332,633,557	1,391,257,246	1,508,792,360	1,609,580,675	1,630,096,763	1,189,220,463	1,584,262,195	1,574,525,464	1,758,194,903	1,855,170,343
Total Current and Accrued Liabilities per Balance Sheet	1,344,176,468	1,486,643,026	1,423,103,180	1,332,633,557	1,391,257,246	1,508,792,360	1,609,580,675	1,630,096,763	1,189,220,463	1,584,262,195	1,574,525,464	1,758,194,903	1,855,170,343
Difference	0	0	0	0	0	0	0	0	0	0	0	0	0
All Differences due to rounding													

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 4**

☐ **CONFIDENTIAL**

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**Request:**

Provide a schedule of common investment, reserves, and associated expense amounts, by account, allocated to system electric operations for the twelve-month test period. Show the ultimate factor(s) used to allocate total company amounts to system electric amounts. Also, provide a brief description of the basis of allocation. To be performed by companies utilizing common investment, for electric and non-electric operations. See Format 4.

**Response:**

A Common Investment approach is allowed by the FERC for utilities that provide multiple types of utility services (e.g. electric, gas, water, etc.) where a common account is charged and then allocated to the appropriate types of services. DE Progress, LLC only provides electric utility services and does not need or use the Common Investment Approach.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 5**

☐ **CONFIDENTIAL**

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**Request:**

Provide the following total company electric monthly balances for the test year operations:

- a. Construction work in progress, the allowance for funds used during construction, and the related contra allowance for funds used during construction (if these items are sought to be included in the applicant's rate base).
- b. The unamortized balance for each plant acquisition adjustment, the amount amortized to test year operations and the account charged.
- c. Materials and supplies (omit this item if the pertinent information is provided in Item 3a).
- d. Balance in accounts payable applicable to materials and supplies\*.
- e. Provide information pertaining to nuclear fuel plant accounts as shown in Format 5e.
- f. Balance in accounts payable applicable to nuclear fuel balances reflected in Item 5e.
- g. Balance in accounts payable applicable to electric plant in service\*.
- h. Balance in accounts payable applicable to amounts included in plant under construction\*.
- i. Short-term borrowings and interest expense on short term borrowings.

\*If the actual figure is unavailable, provide a reasonable estimate.

**Response:**

Please see the attached files listed below:

- (a) "DEP Rate Case E1 5a CWIP and AFUDC.xlsx"



DEP Rate Case E1  
5a CWIP and AFUDC

- (b) "DEP Rate Case E1-5b Acquisition Adjustments.xlsx"



DEP Rate Case E1  
5b Acquisition Adj:

- (d) "DEP Rate Case E1-5d Material and Supplies Accounts Payable.xlsx"



DEP Rate Case E1  
5d Materials and Su

- (e) "DEP Rate Case E1 5e Nuclear Fuel Account Balances\_071719.xlsx"



DEP Rate Case E1  
5e Nuclear Fuel Accc

(f) "DEP Rate Case E1 5f Nuclear Fuel Accounts Payable\_071719.xlsx"



DEP Rate Case E1 5f  
Nuclear Fuel Account

(g) "DEP Rate Case E1 5g Plant in Service Accounts Payable.xlsx"



DEP Rate Case E1  
5g Plant in Service A

(h) "DEP Rate Case E1 5h CWIP Accounts Payable.xlsx"



DEP Rate Case E1  
5h CWIP Accounts P

(i) "DEP Rate Case E1-5(i) Short-Term Borrowings.xlsx"



DEP Rate Case  
E1-5(i) Short-Term Bc

Item (c) was omitted as it is included in E1-3.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

Item No. 5a

**Capex by Month**  
 \*(\$ in thousands)

January	2018	95,042
February	2018	136,114
March	2018	184,712
April	2018	188,091
May	2018	217,585
June	2018	190,740
July	2018	153,862
August	2018	225,657
September	2018	254,693
October	2018	209,997
November	2018	206,737
December	2018	262,377

Total Period 2,325,607

**AFUDC Contra by Month**  
 (\$ in thousands)  
**#20059824**

January	2018	-
February	2018	-
March	2018	(254)
April	2018	(508)
May	2018	(508)
June	2018	(508)
July	2018	(508)
August	2018	(508)
September	2018	(508)
October	2018	(508)
November	2018	(508)
December	2018	(508)

Total YTD (4,826)

**TTD CWIP by month**  
 \*(\$ in thousands)

1,759,115
1,839,274
1,874,297
1,903,307
1,737,339
1,747,514
1,804,874
1,869,198
2,071,466
2,183,325
2,069,244
1,983,867

**AFUDC by Month**  
 (\$ in thousands)  
 \*(including AFUDC Contra)

6,539
6,494
6,664
6,537
6,535
5,656
6,199
6,870
7,531
7,994
8,103
7,389

82,511

\* Amounts include CWIP (Account 107000), Nuclear Fuel (Account 0120100) and Future Use (Account 105100)



/A

MONTHLY BALANCES FOR TEST YEAR

Accounts: Descriptions:	PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.		PG&N CAROLINAS.			
	PG&N FERC	Dec	PG&N FERC	Jan	PG&N FERC	Feb	PG&N FERC	Mar	PG&N FERC	Apr	PG&N FERC	May	PG&N FERC	Jun	PG&N FERC	Jul	PG&N FERC	Aug	PG&N FERC	Sep	PG&N FERC	Oct	PG&N FERC	Nov	PG&N FERC	Dec
0114000 0114000 - Elec Plant Acquisition Adj	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals	349,801,943.42	Actuals
0115000 0115000 - Acc Prov Plt Acquis Adj	(30,883,605.91)	Periodic	(31,896,833.70)	Periodic	(32,960,061.49)	Periodic	(34,073,289.28)	Periodic	(35,086,517.07)	Periodic	(36,149,744.86)	Periodic	(37,212,972.65)	Periodic	(38,276,200.44)	Periodic	(39,339,428.23)	Periodic	(40,402,656.02)	Periodic	(41,465,883.81)	Periodic	(42,529,111.60)	Periodic	(43,592,339.39)	Periodic
<b>Note 1</b>	<b>Unamortized Balance</b>	YTD	317,905,109.72	YTD	316,841,881.93	YTD	315,778,654.14	YTD	314,715,426.35	YTD	313,652,198.56	YTD	312,588,970.77	YTD	311,525,742.98	YTD	310,462,515.19	YTD	309,399,287.40	YTD	308,336,059.61	YTD	307,272,831.82	YTD	306,209,604.03	YTD

AMOUNT AMORTIZED FOR THE TEST YEAR		1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79	1,063,227.79
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**Note 1 - Duke Energy Progress' Plant acquisition adjustments currently being amortized to electric plant are:**  
NCEMPPA Acquisition - Duke acquired NCEMPPA's ownership of Brunswick, Harris, Mayo and Roderio. The original acquisition adjustment amount was \$349,801,943.42, amortizing over 27 years starting August 2015. The monthly amortization amount of \$1,063,227.79 is being amortized to Account 406505- Acquisition Purchase Adjustment.

**DUKE ENERGY PROGRSS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 5d**

**Estimated Accounts Payable Applicable to Materials and Supplies**  
**Dollars in Millions**

January	2018	\$26
February	2018	\$21
March	2018	\$16
April	2018	\$15
May	2018	\$24
June	2018	\$19
July	2018	\$22
August	2018	\$26
September	2018	\$31
October	2018	\$30
November	2018	\$23
December	2018	\$27

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

Item No. 5e

	Nuclear Fuel In Process Account No.	Nuclear Fuel Stock Account No.	Nuclear Fuel In Reactor Account No.	Spent Nuclear Fuel Burn Account No.	Nuclear Fuel Assemblies Account No.	Nuclear Fuel Retirements Account No.	Spent Fuel Storage Canisters	Net Nuclear Fuel In Rate Base (c thru h)
<u>Month</u>	<u>120.1</u>	<u>120.2</u>	<u>120.3</u>	<u>120.4</u>	<u>120.51</u>	<u>120.512</u>	<u>120.55*</u>	<u>(i)</u>
<u>(a)</u>	<u>(b)</u>	<u>(c)</u>	<u>(d)</u>	<u>(e)</u>	<u>(f)</u>	<u>(g)</u>	<u>(h)</u>	
Dec-17	372,875,189	(0)	842,377,497	344,303,937	(1,321,520,324)	452,266,685	38,402,617	355,830,412
Jan-18	296,746,547	88,866,036	842,377,497	344,303,937	(1,338,759,929)	452,266,685	18,719,121	407,773,349
Feb-18	297,929,998	88,866,036	842,377,497	344,303,937	(1,354,541,226)	452,266,685	18,450,321	391,723,251
Mar-18	231,543,756	162,096,934	842,377,497	344,303,937	(1,368,425,777)	452,266,685	18,469,221	451,088,498
Apr-18	232,876,140	73,230,898	831,952,160	443,595,310	(1,380,897,533)	452,266,685	18,385,339	438,532,860
May-18	236,982,945	(0)	825,120,205	520,808,008	(1,397,370,652)	452,266,685	18,301,457	419,125,703
June-18	254,620,551	(0)	825,120,205	520,808,008	(1,412,518,800)	452,266,685	20,320,025	405,996,123
July-18	255,698,525	(0)	825,120,205	520,808,008	(1,430,059,148)	452,266,685	20,236,143	388,371,893
Aug-18	200,661,931	66,495,339	825,120,205	520,808,008	(1,448,064,125)	452,266,685	20,359,511	436,985,623
Sept-18	236,323,275	66,495,339	825,120,205	520,808,008	(1,461,532,828)	452,266,685	20,068,379	423,225,788
Oct-18	238,164,614	66,495,339	825,120,205	520,808,008	(1,475,277,442)	452,266,685	20,100,060	409,512,855
Nov-18	254,903,078	(0)	819,511,288	417,494,987	(1,489,360,339)	625,525,927	19,973,241	393,145,103
Dec-18	325,126,686	(0)	819,511,288	417,494,987	(1,505,684,204)	625,525,927	19,939,569	376,787,566
13 Month Total	3,434,453,233	612,545,921	10,791,205,951	5,780,649,077	(18,384,012,327)	6,225,985,392	271,725,009	5,298,099,022
13 Month Average	264,188,710	47,118,917	830,092,765	444,665,314	(1,414,154,794)	478,921,953	20,901,924	407,546,079

\*Includes spent fuel storage canister costs during the test period

Note: No activities for accounts 120.53 and 120.54 for the test period

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 5f**

**Dollars in millions**

Jan-18	\$	67
Feb-18	\$	56
Mar-18	\$	62
Apr-18	\$	62
May-18	\$	56
Jun-18	\$	67
Jul-18	\$	50
Aug-18	\$	60
Sep-18	\$	85
Oct-18	\$	52
Nov-18	\$	55
Dec-18	\$	96
<b>Total</b>	<b>\$</b>	<b>767</b>
<b>Average</b>	<b>\$</b>	<b>64</b>

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

Item No. 5g

**Estimated Accounts Payable Applicable to Electric Plant in Service**  
**Dollars in millions**

January	2018	\$	-
February	2018	\$	-
March	2018	\$	-
April	2018	\$	-
May	2018	\$	-
June	2018	\$	-
July	2018	\$	-
August	2018	\$	-
September	2018	\$	-
October	2018	\$	-
November	2018	\$	-
December	2018	\$	-
<b>Total</b>		<b>\$</b>	<b>-</b>
<b>Average</b>		<b>\$</b>	<b>-</b>

***Accounts Include***  
**0243105**

Current Cap Lease Oblig - Tax

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 5h

**Estimated Accounts Payable Applicable to Amounts Included in Plant Under Construction**  
Dollars in millions

January	2018	\$100.00
February	2018	\$104.00
March	2018	\$132.00
April	2018	\$150.00
May	2018	\$186.00
June	2018	\$155.00
July	2018	\$146.00
August	2018	\$140.00
September	2018	\$226.00
October	2018	\$243.00
November	2018	\$197.00
December	2018	\$185.00

<b>Total</b>		\$1,964
<b>Average</b>		\$164

**NOTE:** Amounts include accounts payable related to Plant in Service projects completed but still receiving final charges.



Duke Energy Progress, LLC  
Docket E-2, Sub 1219  
NCIC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 51  
Short Term Borrowings and  
Interest Expense on Short-term Borrowings

	2018											
	January	February	March	April	May	June	July	August	September	October	November	December
Short Term Borrowings (\$s)	388,372,000	\$ 395,026,000	\$ 354,253,000	\$ 407,970,000	\$ 472,877,000	\$ 540,122,000	\$ 489,376,000	\$ -	\$ -	\$ 26,479,000	\$ 233,545,000	\$ 293,651,000
Interest Expense on Short Term Borrowings (\$s)	\$ 40,448.1	\$ 467,620	\$ 481,345	\$ 613,028	\$ 660,703	\$ 851,211	\$ 998,029	\$ 218,382	\$ -	\$ 33,939	\$ 62,031	\$ 520,314

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 6**

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**Request:**

- a. Provide a schedule by bank by months showing the negotiated line of credit, the average daily usage of credit, the compensating bank balance requirement, and the monthly average daily cash balance calculated from the bank statement(s) for each bank having a compensating balance requirement as requested in Format 6a. Also, have available for review during field engagements copies of the commitment letters from each bank which has extended a line of credit outlining the terms of the negotiated line of credit.
- b. If a required compensating balance is provided by a related company, provide an explanation of the arrangement.
- c. Provide a summary of customer deposits as requested in Format 6c. Also, provide a description of the method and frequency of computing and recording interest on customer deposits and the method and frequency of refunding customer deposits.

**Response:**

See attached files:

a-b. Duke Energy Progress does not have any bank accounts with compensating balance requirements.

As of December 31, 2018, Duke Energy Progress had an allocated sublimit of \$1.4 billion and a maximum sublimit of \$1.4 billion under the \$8.0 billion master credit facility for Duke Energy Corporation.

Also, the Company executed a \$700 million bank term loan on December 14, 2018, with an initial draw at closing of \$50 million. A second draw of the term loan in the amount of \$250 million occurred on January 24, 2019, and the remaining balance of \$400 million was drawn on February 15, 2019. As of December 31, 2018, and June 30, 2019, the outstanding balance was \$50 million and \$700 million, respectively. Lenders to the facility include Wells Fargo Bank, NA, Citibank, NA, SunTrust Bank, and Santander Bank, NA. Each lender has commitments of \$175 million.

The above-referenced credit agreements are available for on-site review.

c. See attached summary of customer deposits "2019 DEP Rate Case E1 6c Customer Deposits." Also, see attached method and frequency of computing and recording interest and refunding customer deposits "2019 DEP Rate Case E1 6c Customer Deposits Narrative."



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 6C**  
**North Carolina Customer Deposit Narrative**

## **North Carolina**

### **Residential**

DEP requires residential applicants secure their facilities in accordance with the North Carolina Utilities Commission. The amount of deposit we collect is equal to two-twelfths of the estimated charge for the service for the ensuing twelve months per meter (account). Individual consumer applicants are required an Equifax Credit Check when requesting new or additional service. Additional points of service do not inherit the deposit status as the existing account(s).

The credit check provides an overall credit score and positive identification in accordance with the Fair Credit Reporting, Fair & Accurate Credit Transactions Act (FACTA) Red Flag Rule. A cash deposit or guarantor is required when the credit score falls below established threshold, and is required as a condition of service. Cash deposits earn interest at 8% per annum after the initial 90 days.

Certain 'triggering' events could result in the requirement of a deposit or additional deposit (when insufficient). These 'triggering' events include, but are not limited to: returned items, delinquent payments, non-pay disconnects, unpaid final bills requiring collection intervention on any associated account, bankruptcy.

All residential accounts are periodically reviewed. The customer qualifies for a deposit refund when payments for service for the preceding twelve consecutive bills reflect no disconnects for non-payment or no more than 2 occasions when payment was made after the due date, and not delinquent in payment of bill. If eligible, the customer receives the deposit plus accrued interest.

Residential customers who do not meet the deposit refund criteria continue to earn interest on their cash deposit. As stated, DEP pays interest on deposits held more than 90 days at the rate of 8% per annum. Interest accrues annually, and at customer request, is credited to customer account by deducting interest from the amount of the next bill for service following the accrual date.

### **Non-Residential**

DEP requires non-residential applicants secure their facilities in accordance with the North Carolina Utilities Commission. The amount of deposit we collect is equal to two-twelfths of the estimated charge for the service for the ensuing twelve months per meter (account), and secures the account for the life of the account or until creditworthiness can be affirmed. The deposit requirement may be satisfied with cash or a cash alternative, such as an Irrevocable Letter of Credit from a financial institution satisfactory to DEP, or a Surety Bond from a surety company with an acceptable rating from A.M. Best Co. Cash deposits earn interest at 8% per annum after the initial 90 days.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 6C**  
**North Carolina Customer Deposit Narrative**

DEP requires publicly traded companies maintain a satisfactory credit rating for deposit waiver consideration. This threshold is S&P BB or Moody's Ba2.

DEP reserves the right to assess new or additional deposits on an existing customer based on the customer's overall financial condition or creditworthiness, which may include the customer's DEP payment history. If an additional deposit was waived due to a satisfactory credit rating and the rating falls below the thresholds, deposit is assessed and due within 30 days from notification.

Certain 'triggering' events could result in the requirement of an aggregate deposit or additional deposit (when insufficient) for all accounts associated with the account holder. These 'triggering' events include, but are not limited to: returned items, delinquent payments, unpaid final bills requiring collection intervention on any associated account, information received from credit reporting agencies (Experian, D&B), derogatory public information (tax lien, judgment filings, derogatory UCC filings, bankruptcy). Additionally, acquisitions or newly acquired properties may not necessarily inherit the existing deposit waiver status. While we may honor a deposit waiver status for an existing account(s), the decision to assess a deposit on newly acquired properties will be based on the aggregate deposit and overall solvency of the account holder.

Deposits for non-residential accounts are not automatically refunded based on how payment is made to one trade line. A review of the aggregate exposure for the customer combined with overall credit worthiness determines eligibility for refund and deposit waiver status.

As stated, DEP pays interest on deposits held more than 90 days at the rate of 8% per annum. Interest accrues annually, and at customer request, is credited to the customer account by deducting interest from the amount of the next bill for service following the accrual date. If customer account(s) reflect a current status and the customer prefers an interest check, a check for the interest is issued in lieu of credit toward future billings.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

Item no. 6c  
North Carolina Customer Deposits

Line No.	Month (a)	Receipts (b)	Refunds (c)	Balance (d)
1	Balance beginning of test year			109,439,108.86
2	January	3,361,373.47	(3,344,771.61)	109,455,710.72
3	February	3,255,600.83	(2,717,528.86)	109,993,782.69
4	March	3,660,353.06	(2,879,118.82)	110,775,016.93
5	April	3,470,223.50	(2,911,803.03)	111,333,437.40
6	May	3,495,806.18	(2,960,221.40)	111,869,022.18
7	June	4,182,302.05	(2,945,274.93)	113,106,049.30
8	July	4,504,938.81	(3,378,399.55)	114,232,588.56
9	August	4,572,530.84	(3,276,611.22)	115,528,508.18
10	September	2,732,689.49	(2,668,261.72)	115,592,935.95
11	October	3,694,180.81	(3,349,380.75)	115,937,736.01
12	November	3,476,178.82	(2,956,957.21)	116,456,957.62
13	December	2,772,189.54	(2,640,988.79)	116,588,158.37
14	Total (L1 through L13)	43,178,367.40	(36,029,317.89)	1,470,309,012.77
15	Average balance (L14 : L13)			113,100,693.29
16	Amount of deposits received during test period	43,178,367.40		
17	Amount of deposits refunded during test period	(36,029,317.89)		
18	Number of deposits on hand end of test year	337,982		
19	Average amount of deposits (L15, Column (d) : L18)	334.64		
20	Interest paid during test period	5,580,180.20		
21	Interest accrued during test period	7,971,428.36		
22	Interest rate	8.0%		

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 7**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

Provide the following information for each item of electric property held for future use at the end of the test year:

- a. A description of property,
- b. Its location,
- c. Date purchased,
- d. Cost,
- e. Estimated date to be placed in service, and
- f. A brief description of intended use.

**Response:**

Please see attached file "E1-7 - Land Held for Future Use.xlsx".



E1-7 - Land Held for  
Future Use.xlsx



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
E1-7- Land Held For Future Use  
For the test year ended December 31, 2018

DESCRIPTION	LOCATION COUNTY-STATE	DATE PURCHASED OR BOOK VINTAGE YR	COST	ESTIMATED DATE TO BE USED	DESCRIPTION OF INTENDED USE
<b>ACCOUNT 105.10</b>					
<b>DISTRIBUTION</b>					
CHATHAM PARK NORTH	CHATHAM, NC	2016	42,637.39	2021	DISTRIBUTION SUBSTATION
REEMS CREEK 115KV	WEAVERVILLE, NC	2017	81,388.19	2020	DISTRIBUTION SUBSTATION
NORTH BEAUFORT 115KV	CARTERET, NC	2018	51,361.64	2019	DISTRIBUTION SUBSTATION
WHITEVILLE 115KV	COLUMBUS, NC	2018	20,023.42	2019	DISTRIBUTION SUBSTATION
GRIFTON 115KV	LENOIR, NC	2018	10,834.39	2019	DISTRIBUTION SUBSTATION
PORTERS NECK 230KV	HARNETT, NC	2018	1,281.62	2022	DISTRIBUTION SUBSTATION
PINEHURST RIGHT OF WAY	MOORE, NC	2017	6,057.40	2018	DISTRIBUTION LINES
PATTON AVE	BUNCOMBE, NC	2018	1,151,604.71	2020	DISTRIBUTION LINES
CLEVELAND MATTHEWS RD 230KV	JOHNSTON, NC	2017	94,214.01	2021	DISTRIBUTION LINES
<b>TOTAL DISTRIBUTION</b>			<b>1,459,402.77</b>		
<b>TRANSMISSION</b>					
HARLOWE 230KV	CARTERET, NC	2018	157,121.72	2020	TRANSMISSION SUBSTATION
SMITHFIELD 115KV	JOHNSTON, NC	2018	11,675.56	2019	TRANSMISSION SUBSTATION
LOUISBURG 115KV	FRANKLIN, NC	2018	1,663.24	2021	TRANSMISSION SUBSTATION
NEWPORT 230KV	CARTERET, NC	2017	299,331.39	2020	TRANSMISSION SUBSTATION
TRANSMISSION LINES	NORTH CAROLINA	2017-2018	441,084.67	2020	TRANSMISSION RIGHT OF WAY
<b>TOTAL TRANSMISSION</b>			<b>910,876.58</b>		
<b>OTHER</b>					
MISCELLANEOUS CHARGES	NC/SC	VARIOUS	10,207.73	VARIOUS	OTHER
GREEN LEVEL WEST 115KV - ADJUSTED POST TEST PER WAKE, NC		2018	(9,309,625.16)	N/A	DISTRIBUTION SUBSTATION
<b>TOTAL 105.10</b>			<b>(6,929,138.08)</b>		
<b>ACCOUNT 105.20</b>					
<b>DISTRIBUTION</b>					
FLORENCE CLAUSEN SUBSTATION	FLORENCE, SC	1973	9,339.90	2027	DISTRIBUTION SUBSTATION
FUQUAR WADE NASH SUBSTATION	WAKE, NC	2017	1,968,530.79	2025	DISTRIBUTION SUBSTATION
GARNER EAST SUBSTATION	WAKE, NC	2011	3,610,840.86	2023	DISTRIBUTION SUBSTATION
GRANTS CREEK SUBSTATION	ONSLow, NC	2016	991,125.82	2020	DISTRIBUTION SUBSTATION
MCDOWELL STREET SUBSTATION	BUNCOMBE, NC	2016	2,305,226.08	2020	DISTRIBUTION SUBSTATION
SHOTWELL SUBSTATION	WAKE, NC	2000	225,271.01	2025	DISTRIBUTION SUBSTATION
SUMTER CHERRYVALE SUBSTATION	SUMTER, SC	1991	93,649.61	2022	DISTRIBUTION SUBSTATION
SUMTER OSWEGO SUBSTATION	SUMTER, SC	1979	13,748.63	2022	DISTRIBUTION SUBSTATION
SUMTER POCALLA SUBSTATION	SUMTER, SC	1989	40,837.32	2022	DISTRIBUTION SUBSTATION
VOLVO DEALERSHIP	BUNCOMBE, NC	2017	8,521,971.57	2020	DISTRIBUTION SUBSTATION
ASHEVILLE FLAR CREEK SUBSTATION	ASHEVILLE, NC	2017	963,966.02	2023	DISTRIBUTION SUBSTATION
WEATHERSPOON SUBSTATION	ROBESON, NC	2008	633,646.53	2019	DISTRIBUTION SUBSTATION
MAYO UNIT 1 SUBSTATION	PERSON, NC	1983	1,458,908.16	2020	DISTRIBUTION SUBSTATION
<b>TOTAL DISTRIBUTION</b>			<b>20,837,062.30</b>		
<b>TRANSMISSION</b>					
115KV HENERSON - 115KV NORTH	VANCE, NC	2009	184,740.26	2018	TRANSMISSION LINE
CARVER ST - 115KV BUNCOMBE	BUNCOMBE, NC	2018	5,301,321.99	2020	TRANSMISSION LINE
230KV FLORENCE - 230KV MARION	DILLON, NC	2009	381,006.74	2023	TRANSMISSION LINE
230KV FLORENCE - 230KV MARION	FLORENCE, SC	2009	2,178,967.35	2023	TRANSMISSION LINE
230KV FLORENCE - 230KV MARION	MARION, SC	2009	440,593.47	2023	TRANSMISSION LINE
CAPE FEAR - SILER CITY 230KV	CHATHAM, NC	2009	3,080,978.16	2023	TRANSMISSION LINE
CAPE FEAR - SILER CITY 230KV	LEE, NC	2009	1,375,369.40	2023	TRANSMISSION LINE
WOMMACK 230KV	LENOIR, NC	1999	97,776.70	2026	TRANSMISSION LINE
HARLOWE SUBSTATION	CARTERET, NC	2016	320,473.20	2020	TRANSMISSION SUBSTATION
KENLY SUBSTATION	JOHNSTON, NC	2011	416,388.54	2025	TRANSMISSION SUBSTATION
<b>TOTAL TRANSMISSION</b>			<b>13,777,615.81</b>		
<b>OTHER</b>					
MISCELLANEOUS CHARGES	NC/SC		(6,810.08)	VARIOUS	OTHER
<b>TOTAL OTHER</b>			<b>(6,810.08)</b>		
<b>TOTAL 105.20</b>			<b>34,607,868.03</b>		
<b>ACCOUNT 105.30</b>					
GRANTS CREEK SUBSTATION	ONSLow, NC	2016	353,579.79	2020	TRANSMISSION SUBSTATION
HIGHWAY 101 AND OLD WINBERRY	CARTERET, NC	2017	661.38	2020	TRANSMISSION SUBSTATION
FOX CREEK SOLAR	FRANKLIN, NC	2018	497.59	2019	TRANSMISSION LINES
VOLVO DEALERSHIP	BUNCOMBE, NC	2016	7,922,945.45	2020	DISTRIBUTION SUBSTATION
CHATHAM PARK SUBSTATION	CHATHAM, NC	2016	1,000,981.52	2021	DISTRIBUTION SUBSTATION
NEW HOPE SUBSTATION	WAYNE, NC	2017	15,578.43	2018	DISTRIBUTION SUBSTATION
<b>TOTAL 105.30</b>			<b>9,294,244.16</b>		

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 8**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

- a. Provide schedules in comparative form showing by months for the test year the total company balance in each electric plant and reserve account, or subaccount included in the applicant's chart of accounts as shown in Format 8a.
- b. Provide a statement of electric plant in service per company books for the test year. See Format 8b.

**Response:**

Please see attached file named "E1 8a and 8b - ELECTRIC PLANT IN SERVICE.xlsx".



E1 8a and 8b -  
ELECTRIC PLANT IN S

DUKE ENERGY PROGRESS, LLC  
Docket No. E 2 Sub 1219  
NCUC Form E 1 Data Required  
For the test year ended December 31, 2018

	Month:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
010000 - Property Plant and Equipment		22,453,473.84	22,473,334.67	22,877,134.45	22,407,538.47	22,551,726.21	22,495,543.97	22,775,479.09	22,501,708.86	22,493,118.25	22,476,577.09	22,534,990.68	22,426,738.91
010100 - LT Capital Lease Asset		130,604,617.53	120,544,495.50	120,221,353.47	119,677,116.56	119,542,934.93	118,327,930.22	119,330,243.74	119,058,917.26	118,882,501.29	118,667,274.30	118,500,907.82	118,355,571.34
010200 - CAP LEASE - NCTMC		18,500,272.62	18,488,936.14	18,473,599.66	18,468,631.18	18,442,934.70	18,427,590.22	18,412,283.45	18,396,917.26	18,381,580.78	18,366,274.30	18,350,907.61	18,335,571.34
010300 - Accrual Capital Obligations		893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27	893,270,629.27
010400 - EPCs Contra A/C - RETAIL - NC		(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)	(321,467,486.04)
010500 - EPCs Contra A/C - RETAIL - NC		(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)	(551,297,290.66)
010600 - EPCs-HARBES OSW		(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)	(96,266,421.46)
010700 - EPCs Contra A/C - RETAIL - SC		(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)	(96,863,349.59)
010800 - EPCs Contra A/C - WHOLESALE		(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)	(6,791,740.73)
010900 - EPCs Contra A/C - PC		(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)	(12,224,719.51)
011000 - PH Held For Future Use - W/o Sys		26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78	26,339,026.78
0115000 - PH Held For Future Use - Pns		8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94	8,268,602.94
0125000 - Camp Future Use - Unstaffed		4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32	4,050,074,539.32
0136000 - Camp Const Unstaffed		1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60	1,529,003,942.60
0170000 - SCHM Camp		(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)
0170004 - SCHM Camp (SOFTWARE)		(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)	(9,915,604,420.50)
0180000 - Accumulated Debita - Pandem		(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)	(26,235,987.49)
0180155 - FAS 143 CON CONTRA		(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)	(1,418,275,582.15)
0180315 - Accum Depreciation CON		(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)
0180315 - Accum Depreciation CON		(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)
0180315 - Accum Depreciation CON		(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)	(528,602,297.48)
0180800 - ACCUMULATED DEPRECIATION NCTC		(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)
0180800 - ACCUMULATED DEPRECIATION NCTC		(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)	(65,239,955.48)
0180809 - ACCUMULATED DEPRECIATION SCOS		(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)
0180809 - ACCUMULATED DEPRECIATION SCOS		(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)
0180809 - ACCUMULATED DEPRECIATION SCOS		(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)	(205,374,909.38)
0180800 - RMP - Reg Liab		222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55	222,387,440.55
0180840 - RMP - Reg Liab		336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36
0180840 - RMP - Reg Liab		336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36
0180840 - RMP - Reg Liab		336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36	336.36
0180870 - DEPR Contra A/C - RETAIL - NC		232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35
0180870 - DEPR Contra A/C - RETAIL - NC		232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35
0180870 - DEPR Contra A/C - RETAIL - NC		232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35	232,272,383.35
0180870 - DEPR Contra A/C - WHOLESALE		24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62
0180870 - DEPR Contra A/C - WHOLESALE		24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62
0180870 - DEPR Contra A/C - WHOLESALE		24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62	24,393,997.62
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14	5,141,304.14
0180874 - AC DEPR-WH RT PA		5,141,304.14	5,141,304.14										

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 8b

Account No.	Account Title	Beginning Balance	Additions	Retirements	Adjustments	Transfers In (Out)	Ending Balance
<b>INTANGIBLE PLANT</b>							
0301000	Organization	760,394	-	(43,157)	-	-	717,236
0302000	Franchises and Consents	53,229,036	-	-	-	-	53,229,036
0303000	Misc. Intangible Plant	285,028,069	19,162,490	(1,157)	-	-	304,189,402
0106000	Completed constr-not classified	159,595,802	9,638,914	-	-	-	169,234,716
	<b>Total Intangible Plant</b>	<b>498,613,300</b>	<b>28,801,404</b>	<b>(44,314)</b>	<b>-</b>	<b>-</b>	<b>527,370,390</b>
<b>STEAM PRODUCTION PLANT</b>							
0310000	Land & Rights	27,501,119	4,689,983	3,293	-	-	32,194,395
0311000	Structures & Improvements	445,576,214	11,881,849	(2,385,220)	153,590	(60,834)	455,165,599
0312000	Boiler Plant Equipment	2,324,723,994	6,656,906	(40,184,609)	10,239,409	-	2,301,435,700
0314000	Turbogenerator Units	332,700,794	-	(2,100,659)	-	-	330,600,135
0315000	Accessory Electric Equipment	209,645,651	7,979,324	(1,789,940)	-	-	215,835,035
0316000	Misc Equipment-Power Plant	48,836,793	1,580,339	(716,592)	-	1,272,120	50,972,660
0317000	Asset Retirement Obligation - Fossil	732,176,235	183,873,880	(88,853,026)	-	-	827,197,089
0106000	Completed constr-not classified	428,888,542	197,298,895	-	-	(529,973)	625,657,464
	<b>Total Fossil</b>	<b>4,550,049,343</b>	<b>413,961,177</b>	<b>(136,026,753)</b>	<b>10,392,999</b>	<b>681,313</b>	<b>4,839,058,078</b>
<b>NUCLEAR PRODUCTION PLANT</b>							
0320000	Land & Rights	68,330,573	-	-	-	-	68,330,573
0321000	Structures & Improvements	2,736,356,348	27,204,324	(11,735,654)	(33,067)	-	2,751,791,950
0322000	Reactor Plant Equipment	2,236,180,330	(3,116,886)	(27,638,866)	-	-	2,205,424,577
0323000	Turbogenerator Units	743,523,197	9,543,072	(87,111,870)	-	-	665,954,399
0324000	Accessory Electric Equipment	838,445,426	18,807,388	(15,481,855)	-	(10,225)	841,760,734
0325000	Misc Equip-Power Plant	455,971,481	30,599,341	(2,520,205)	-	(80,224)	483,970,394
0326000	Asset Retirement Costs - Nuclear	876,137,782	-	-	-	-	876,137,782
0106000	Completed constr-not classified	1,331,296,400	563,070,805	-	-	(428,950)	1,893,938,255
	<b>Total Nuclear</b>	<b>9,286,241,537</b>	<b>646,108,043</b>	<b>(144,488,450)</b>	<b>(33,067)</b>	<b>(519,398)</b>	<b>9,787,308,664</b>
<b>HYDRAULIC PRODUCTION PLANT</b>							
0330000	Land & Rights	2,828,917	-	-	-	-	2,828,917
0331000	Structures & Improvements	11,157,698	2,452,708	(60,337)	-	-	13,550,069
0332000	Reservoirs, Dams, & Waterways	46,428,000	-	(117,318)	-	-	46,310,682
0333000	Water Wheels, Turbines & Gen	29,722,615	2,255,654	(698,131)	-	-	31,280,139
0334000	Accessory Electric Equipment	7,218,870	20,291,445	(2,029,235)	-	-	25,481,080
0335000	Misc Equipment-Power Plant	3,396,956	-	(15,650)	-	-	3,381,305
0336000	Roads, Railroads & Bridges	21,205	-	-	-	-	21,205
0337000	Asset Retirement Costs - Dillsboro	536,918	1,197,201	-	-	-	1,734,119
0106000	Completed constr-not classified	36,331,732	(15,373,683)	-	-	127,792	21,085,841
	<b>Total Hydro</b>	<b>137,642,911</b>	<b>10,823,325</b>	<b>(2,920,672)</b>	<b>-</b>	<b>127,792</b>	<b>145,673,357</b>
<b>OTHER PRODUCTION PLANT</b>							
0340000	Land & Land Rights	10,002,051	-	-	-	-	10,002,051
0341000	Structures & Improvements	303,519,106	454,301	(861,750)	(2,528,622)	60,834	300,643,868
0342000	Fuel Holders, Producers/Access.	114,597,553	575,975	(7,516,553)	-	-	107,656,975
0343000	Prime Movers	1,482,531,763	15,927,262	(106,057,037)	-	-	1,392,401,989
0344000	Generators	271,555,986	-	(5,959,001)	-	-	265,596,986
0345000	Accessory Electric Equipment	288,888,553	657,403	(2,197,118)	-	(23,811)	287,325,027
0346000	Misc Power Plant Equipment	38,042,757	21,069	(727,119)	-	(1,324,691)	36,012,016
0347000	ARO - Solar Panels	15,015,891	-	-	(7,373,455)	-	7,642,436
0106000	Completed constr-not classified	723,408,023	120,601,825	-	639,277	(1,517,451)	843,131,673
	<b>Total Other Prod.</b>	<b>3,247,561,684</b>	<b>138,237,836</b>	<b>(123,318,578)</b>	<b>(9,262,800)</b>	<b>(2,805,120)</b>	<b>3,250,413,022</b>
<b>TRANSMISSION PLANT</b>							
0350000	Land & Land Rights	182,224,581	-	(211,959)	-	-	182,012,622
0352000	Structures & Improvements	103,442,132	1,309,907	(679,597)	(184,037)	(1,263,385)	102,625,020
0353000	Station Equipment	896,734,496	24,994,226	(6,217,149)	-	(3,864,864)	911,646,709
0354000	Towers & Fixtures	62,015,395	90,383	(44,350)	-	(90,383)	61,971,045
0355000	Poles & Fixtures	662,434,470	21,470,141	(1,083,452)	-	(2,185,717)	680,635,442
0356000	Overhead Conductors & Devices	497,234,708	9,200,117	(2,202,133)	-	(1,883,165)	502,349,527
0357000	Underground Conduit	-	-	(814)	-	-	(814)
0358000	Undergrd Conductors & Devices	21,603,999	-	-	-	-	21,603,999
0359000	Roads and Trails	312,523	-	-	-	-	312,523
0106000	Completed constr-not classified	193,579,373	114,693,494	-	-	(6,704,494)	301,568,373
	<b>Total Transmission</b>	<b>2,619,581,678</b>	<b>171,758,267</b>	<b>(10,439,454)</b>	<b>(184,037)</b>	<b>(15,992,008)</b>	<b>2,764,724,446</b>
<b>DISTRIBUTION PLANT</b>							
0360000	Land & Land Rights	63,333,549	-	45,756	-	-	63,379,306
0361000	Structures and Improvements	108,731,895	1,453,252	(1,213,502)	-	618,610	109,590,255
0362000	Station Equipment	572,520,134	13,372,968	(5,496,681)	-	3,162,585	583,559,006
0364000	Poles, Towers, and Fixtures	653,626,104	34,369	(3,927,921)	-	(31,165)	649,701,386
0365000	Overhead Conductors & Devices	877,315,351	331,832	(6,174,462)	-	(330,033)	871,142,687
0366000	Underground Conduit	174,694,016	-	(604,921)	-	-	174,089,095
0367000	Undergrd. Conductors & Devices	985,613,812	-	(2,949,392)	-	-	982,664,420
0368000	Line Transformers	854,830,468	594	(4,161,733)	-	(594)	850,668,735
0369000	Services	433,295,264	-	171,755,490	-	-	605,050,754
0370000	Meters	196,085,517	-	(38,456,931)	-	-	157,628,586
0371000	Cust Premises/Load Cntrl Devices	258,000,533	-	(1,350,715)	-	-	256,649,819
0373000	St. Lighting & Signal System	85,397,173	1,363	(963,788)	-	-	84,434,749
0106000	Completed constr-not classified	972,757,905	580,951,158	-	-	2,496,282	1,556,205,345
	<b>Total Distribution</b>	<b>6,236,201,722</b>	<b>596,145,536</b>	<b>106,501,199</b>	<b>-</b>	<b>5,915,685</b>	<b>6,944,764,142</b>
<b>GENERAL PLANT</b>							
0389000	Office Land & ROW	7,894,699	-	(35,943)	-	-	7,858,756
0390000	Office Struct & Improvements	129,326,018	15,635,574	(3,512,601)	(116,015)	644,775	141,977,750
0391000	Office Furniture & Equipment	49,660,708	6,069,777	(10,483,591)	-	64,836	45,311,729
0392000	Transportation Equipment	75,419,826	1,161,164	(9,716,658)	-	398,762	67,263,094
0393000	Stores Equipment	2,329,033	332,198	(781,974)	-	(55,965)	1,823,292
0394000	Tools, Shop & Garage Equip	35,032,209	9,941,058	(6,315,233)	-	4,419,769	43,077,803
0395000	Laboratory Equipment	6,779,328	1,028	(146,326)	-	-	6,634,031
0396000	Power Operated Equipment	6,307,074	232,107	(532,601)	-	(342,797)	5,663,782
0397000	Communication Equipment	205,084,656	12,426,327	(84,157,608)	-	882,992	134,236,367
0398000	Miscellaneous Equipment	25,776,259	870,715	(5,184,025)	-	22,569	21,485,518
0399199	ARO - General Asbestos	2,717,588	-	-	-	-	2,717,588
0106000	Completed constr-not classified	121,680,711	35,406,310	-	-	6,556,794	163,643,815
	<b>Total General Plant</b>	<b>668,008,109</b>	<b>82,076,258</b>	<b>(120,866,561)</b>	<b>(116,015)</b>	<b>12,591,735</b>	<b>641,693,525</b>
<b>TOTAL ELECTRIC PLANT IN SERVICE</b>							
0102000	Electric Plant Purchased	-	-	-	-	-	-
<b>TIES TO FERC (+/- for rounding)</b>		<b>27,243,900,282</b>	<b>2,087,911,845</b>	<b>(431,603,583)</b>	<b>797,080</b>	<b>0</b>	<b>28,901,005,625</b>

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 9**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

- a. Provide the journal entries relating to the purchase of utility plant acquired as an operating unit or system by purchase, merger, consolidation, liquidation, or otherwise since the end of the test period in the last rate case. Also, provide a schedule showing the calculation of the acquisition adjustment at the date of purchase of each item of electric plant, the amortization period, and the unamortized balance at the end of the test year.
- b. Provide a brief explanation of plant acquisition adjustments currently being amortized to electric operations.

**Response:**

- a. There have been no acquisitions since the end of the test period in the last rate case.
- b. There are currently no new acquisitions; therefore, we do not have any new acquisition adjustments to amortize. Amortization for existing acquisition adjustments can be found under Item No. 5b. The only acquisition adjustment being amortized is related to the NCEMPA acquisition.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 10**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

Provide the detailed workpapers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

**Response:**

Please see the attached files.



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update Annualize Retail revenues for current rates  
For the test period ended December 31, 2018

NC-0100  
Narrative  
Application

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma represents the additional North Carolina retail revenues, uncollectible expense, and regulatory fees required to reflect the annualization of rates in effect on January 1, 2019. The pro forma also removes Demand Side Management/Energy Efficiency (DSM/EE) and the Joint Agency Acquisition Rider (JAAR) from the annualized revenues. In addition, fuel is neutralized in the case through this adjustment and the fuel pro forma adjustment.

The impact to O&M expenses for uncollectible expense and the NCUC fee is determined by multiplying the impact to revenue by the uncollectible rate and the NCUC assessment rate.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update Annualize Retail revenues for current rates  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0100  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue	NC-0101	\$ (225,760)
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.	NC-0101	(833)
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-0101	(52,114)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(52,947)
18			
19	Operating income	L4 - L17	<u>\$ (172,813)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update Annualize Retail revenues for current rates  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0101  
Page 1 of 1  
Application

Line		<u>Per Book</u>	<u>Present</u>	<u>Present</u>
<u>No.</u>	<u>Description</u>	<u>Total</u>	<u>Total</u>	<u>vs.</u>
		<u>NC Retail</u>	<u>NC Retail</u>	<u>Per Book</u>
		<u>Col. (a)</u>	<u>Col. (b)</u>	<u>Col. (c)</u>
1	Revenues to be Collected in Proposed Rates			
2	Retail Sales (Billed Revenues)	\$ 3,563,165 [1]	\$ 3,232,859 [1]	\$ (330,306)
3	Provision for Rate Refund	(104,546) [5]		104,546
4		<u>\$ 3,458,620</u>	<u>\$ 3,232,859</u>	<u>\$ (225,760)</u>
5				
6	Uncollectible (booked to O&M)			0.2394% [2]
7	NCUC Fee (booked to O&M)			0.1297% [3]
8	Impact to O&M - NCUC fee (L2 x L4)			\$ (833)
9				
10	Taxable income (L4 - L8)			\$ (224,927)
11	Statutory tax rate			23.1693% [4]
12	Impact to income taxes (L12 x L13)			\$ (52,114)
13				
14	Impact to operating income (L12 - L14)			<u>\$ (172,813)</u>

[1] NC-0102 - Billed Revenues and Present Revenues Annualized, Line 43

[2] NC-0105 Uncollectible rate

[3] NC-0103 rate effective July 1, 2019

[4] NC-0104 - 2017 Tax Rate, Line 10

[5] NC-0106 - 2018 Provision for Rate Refund

Note: some totals may not foot or compute due to rounding.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
North Carolina Revenue Annualization Adjustment  
For the test period ended December 31, 2018

NC-0102  
Page 1 of 1  
Application

	(a)	(b)	(c)	(d)	(e)
		Per Book Test Year Revenues (As Billed)	Current Revenue, Excluding DSM and EE Riders	Revenue Annualization & Rider Adjustment	NCUC utility assessment fee and Uncollectible
		<i>Per CIM Report RMC1Y</i>	<i>Per Tariff Worksheets</i>	<i>(c) - (b)</i>	
1 <b>Rate Class/Schedule</b>					
2 <b>Residential</b>		\$ 1,820,227,901	\$ 1,668,504,850	\$ (151,723,051)	\$ (382,722)
3 RES		1,772,700,825	1,625,518,113	(147,182,712)	(371,269)
4 R-TOUD		41,429,999	37,418,664	(4,011,335)	(10,119)
5 R-TOU		6,097,077	5,568,073	(529,004)	(1,334)
6 <b>Small General Service (SGS)</b>		\$ 226,009,560	\$ 212,085,786	\$ (13,923,774)	\$ (35,123)
7 SGS		225,577,034	211,676,126	(13,900,908)	(35,065)
8 SGS-TOUE		432,526	409,659	(22,867)	(58)
9					
10 <b>SGS-TOU Constant Load (SGS-TOU-CLR)</b>		\$ 3,781,169	\$ 3,557,875	\$ (223,294)	\$ (563)
11					
12 <b>Medium General Service</b>		\$ 886,079,172	\$ 810,186,141	\$ (75,893,031)	\$ (191,441)
13 MGS		271,655,277	242,725,236	(28,930,042)	(72,976)
14 SGS-TOU		611,317,514	564,603,355	(46,714,159)	(117,837)
15 GS- TES		1,510,948	1,350,017	(160,931)	(406)
16 APH- TES		138,228	134,507	(3,721)	(9)
17 CH-TOUE		1,244,444	1,174,859	(69,585)	(176)
18 CSE		208,132	193,825	(14,307)	(36)
19 CSG		4,629	4,341	(288)	(1)
20					
21 <b>Large General Service</b>		\$ 532,588,876	\$ 444,493,565	\$ (88,095,312)	\$ (222,221)
22 LGS		89,684,567	76,212,801	(13,471,766)	(33,983)
23 LGS-TOU		442,904,310	368,280,763	(74,623,546)	(188,238)
24					
25 <b>Large General Service breaking out RTP</b>		\$ 532,588,876	\$ 444,493,565	\$ (88,095,312)	\$ (222,221)
26 LGS excl RTP		88,859,666	75,604,919	(13,254,747)	(33,435)
27 LGS-TOU excl RTP		113,958,528	95,877,374	(18,081,154)	(45,610)
28 LGS-RTP, LGS-TOU RTP		329,770,682	273,011,272	(56,759,411)	(143,176)
29					
30 <b>Seasonal and Intermittent Service</b>		\$ 5,200,515	\$ 4,724,718	\$ (475,797)	\$ (1,200)
31					
32 <b>Traffic Signal Service (TSS)</b>		\$ 454,335	\$ 437,675	\$ (16,660)	\$ (42)
33 TSS		419,358	402,826	(16,532)	(42)
34 TFS		34,977	34,848	(128)	(0)
35					
36 <b>Outdoor Lighting</b>		\$ 88,623,085	\$ 88,666,375	\$ 43,291	\$ 109
37 ALS		62,444,191	62,409,821	(34,370)	(87)
38 SLS		20,222,208	20,294,246	72,038	182
39 SLR		5,956,686	5,962,309	5,623	14
40					
41 <b>Sports Field Lighting Service</b>		\$ 200,691	\$ 202,461	\$ 1,770	\$ 4
42					
43 <b>North Carolina Retail Tariff Revenue</b>		\$ 3,563,165,305	\$ 3,232,859,446	\$ (330,305,859)	\$ (833,199)

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Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update Annualize Retail revenues for current rates  
For the test period ended December 31, 2018

NC-0103  
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#### NCUC Statutory Regulatory Fee Percentage Rate

Line

<u>No.</u>	<u>Rate</u>	<u>Description</u>
1	0.1300%	Current statutory regulatory fee percentage rate
2	99.7606%	1 less current uncollectibles rate on NC-0105
3	0.1297%	Adjusted statutory regulatory fee percentage rate <i>(excluding uncollectibles rate)</i>

Docket M-100 Sub 142

#### STATE OF NORTH CAROLINA UTILITIES COMMISSION RALEIGH

DOCKET NO. M-100, SUB 142

Section (a) of N.C.G.S. § 62-302 provides that the amount of the reserve may not exceed one-half of the cost of operating the Commission and the Public Staff as reflected in the certified budget for the previous fiscal year.

At present, the Commission's regulatory fee for noncompetitive jurisdictional revenues is 0.14%. Pursuant to N.C.G.S. § 62-302(b)(3), the Commission has reviewed the estimated cost of operating the Commission and the Public Staff for the next fiscal year, including the reserve margin permitted under N.C.G.S. § 62-302(a), and has determined that the regulatory fee for noncompetitive jurisdictional revenues should be decreased to 0.13%, effective July 1, 2019.

IT IS, THEREFORE, ORDERED as follows:

1. That the regulatory fee for noncompetitive jurisdictional revenues shall be, and is hereby, set at 0.13%, effective July 1, 2019.

2. That the Chief Clerk shall serve this Order on all utilities regulated by the Commission.

ISSUED BY ORDER OF THE COMMISSION.

This the 18<sup>th</sup> day of June, 2019.

NORTH CAROLINA UTILITIES COMMISSION



Janice H. Fulmore, Deputy Clerk

#### Regulatory Fee Reporting

The regulatory fee legislation for public utilities and electric membership corporations was enacted by the North Carolina General Assembly to provide funding to pay the expenses incurred by the Commission and Public Staff in regulating public utilities in the interest of the using and consuming public. The regulatory fee requirements are administered in compliance with G.S. 62-302.

The Commission's Fiscal Management Division is responsible for the collection, deposit, accounting, and reporting of the regulatory fee for the Commission.

G.S. 62-302 and Commission Rule R-15 state in part that: "The regulatory fee imposed under this section is due and payable to the Commission on or before the 15th day of the second month following the end of each quarter. Each public utility subject to the regulatory fee shall on or before the date the fee is due for each quarter, prepare and render a report on a form prescribed by the Commission."

**\*\* Effective July 1, 2018, the Regulatory Fee Percentage Rate will remain at 0.14% (0.0014) for state fiscal year 2018-2019. The two rates for the telephone subsection (h) and (m) companies will remain the same as .04% (.0004) and .02% (.0002) respectively. With the rate not changing, there will not be another Order issued.**

For assistance you can contact the following individuals in Regulatory Fees Reporting:

- Regina Williams at 919-733-5265 or email at [rwilliams@ncuc.net](mailto:rwilliams@ncuc.net)
- Terrence Etxon at 919-715-0442 or email at [tetson@ncuc.net](mailto:tetson@ncuc.net)

Also, you can contact the Fiscal Management Section at 919-733-7680 or email Fiscal Management at [fiscalmanagement@ncuc.net](mailto:fiscalmanagement@ncuc.net).

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update Annualize Retail revenues for current rates  
For the test period ended December 31, 2018

NC-0104  
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Application

2019 Calculation of Tax Rates

Current (Statutory) and Deferred Tax Rate Per "Provision" - Year 2018

Line No.	Description	Total	Statutory Rate (a)	Allocation Factor (b)	Composite Rate (a) x (b)
1					
2		100.0000%			
3	North Carolina	2.1160%	2.5000%	84.6380%	2.1160%
4	South Carolina	0.6300%	5.0000%	12.6000%	0.6300%
5	Federal Taxable Income (L2 - L3 - L4)	97.2541%			
6	Federal Tax Rate	21.0000%			
7	Federal Net of State (L5 x L6)	20.4234%			
8	North Carolina (L3)	2.1160%			
9	South Carolina (L4)	0.6300%			
10	Composite Tax Rate (L7 + L8 + L9)	23.1693%			

Source: Duke Energy Tax Department



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update Annualize Retail revenues for current rates  
For the test period ended December 31, 2018

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Application

Development of Uncollectibles Rate

<u>Line No.</u>	<u>Description</u>	<u>Source</u>	<u>Amount</u>
1	Uncollectibles Expense (904)	<i>Trial Balance</i>	10,008,548
2	Retail rate revenue (440 - 445)	<i>Trial Balance</i>	4,181,118,687 [1]
3	Uncollectibles Rate	<i>Row 1 / Row 2</i>	0.2394%

[1] FERC Accounts 440-445, excluding Unbilled Revenue

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update Annualize Retail revenues for current rates  
For the test period ended December 31, 2018

NC-0106  
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Application

Provision for Rate Refund

<u>Line No.</u>	<u>Description</u>	<u>Account</u>	<u>Total System</u>		<u>Total NC Retail</u>
1	Tax Reform Provision for Rate Refund	0449111	\$ (112,908,671)	[1]	\$ (98,495,765) [2]
2	Tax Reform - Riders	0449115	(6,050,000)	[1]	(6,050,000) [2]
3			<u>\$ (118,958,671)</u>		<u>\$ (104,545,765)</u>

[1] E-1 Item 2, Trial Balance

[2] E-1 Item 45, Cost of Service

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update fuel costs to approved rate  
For the test period ended December 31, 2018

NC-0200  
Narrative  
Application

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#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma adjusts fuel expense, depreciation expense and income taxes for fuel clause expense during the test period to match the fuel clause revenues derived from the fuel factor approved by the Commission in Docket No. E-2, Sub 1173. By matching the expenses to the revenue, this adjustment ensures that no increase is requested in this proceeding related to fuel and fuel-related expenses that are recoverable through the fuel clause. This adjustment also eliminates the deferred fuel expense from the test period.

The impact to fuel and fuel related expenses is determined as follows:

1. The total fuel clause expense allocated in cost of service is eliminated from the test period.
2. The pro forma fuel clause expense is calculated by multiplying the NC Retail kWh sales for the test period by the most recent approved fuel rate.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update fuel costs to approved rate  
For the test period ended December 31, 2018  
(Dollars in thousands)

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Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation	NC-0201	(12,574)
9	Purchased power		-
10	Other operation and maintenance expense		-
11	Depreciation and amortization	NC-0201	(1,684)
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-0201	3,304
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(10,955)
18			
19	Operating income	L4 - L17	\$ 10,955
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		
34	Working capital investment		
35			
36			
37	Less:		
38	Accumulated deferred taxes		
39	Operating reserves		
40			
41			
42	Construction work in progress		
43			
44	Total impact to rate base	Sum L30 through L42	\$ -
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update fuel costs to approved rate  
For the test period ended December 31, 2018  
(Dollars in thousands)

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Line No.	Description	Residential	Small General Service	Medium General Service	Large General Service	SI NCSI	Area Lighting NCSLS	Sports Field Lighting NCSFL	Street Lighting NCSLS	Street Lighting NCSLR	Traffic Signal NCTSS	Total NC Retail
1	Fuel Clause Expense and Deferred Fuel Expense Allocated in Per Books Cost of Service.											\$
2	Remove fuel included in system average fuel costs											729,766 [1]
3	Remove purchased power included in system average fuel costs - demand											41,843 [2]
4	Remove purchased power included in system average fuel costs - energy											322,567 [3]
5	Remove reagents & by-products included in system average fuel costs											62,778 [4]
6	Remove catalyst depreciation included in system average fuel costs											1,684 [5]
7	Remove 0557980 - Retail Deferred Fuel Expenses											(273,901) [6]
8	Total Fuel Clause Expense Allocated in COS and Retail Deferred Fuel Expense (Sum L2 through L7)											\$ 884,737
9												
10	Fuel Clause Expense to Add (Based on Approved Fuel Rates).											
11	Average fuel rate billed in test period	2,238	2,188	2,305	2,449	2,305	1,780	1,780	1,780	1,780	2,188 [7]	
12	Increment in Fuel Filing, excluding Reg Fee & EMF (Cents/KWh) (L13 - L11)	0.073	0.369	0.172	(0.692)	0.172	0.471	0.471	0.471	0.471	0.063	
13	Approved Base Fuel Factor (Cents/KWh), excluding Regulatory Fee	2,311	2,556	2,477	1,757	2,477	2,251	2,251	2,251	2,251	2,251 [7]	
14												
15	NC Retail kWh actual sales - 12 months ended December 2018	16,666,046,589	1,982,596,401	11,178,964,878	8,457,791,022	43,075,313	267,795,639	1,134,908	85,107,971	4,754,792 [8]		38,687,267,513 [8]
16												
17	Adjusted Fuel Clause Expenses (L15 x (L13 / 100,000))	\$ 385,152	\$ 50,675	\$ 276,903	\$ 148,603	\$ 1,067	\$ 6,029	\$ 26	\$ 1,916	\$ -	\$ 107	\$ 870,478
18												
19	Impact to fuel (L2 + L17)											\$ 140,712
20												
21	Impact to purchased power (L3 - L4 - L7)											\$ (90,509)
22												
23	Impact to Energy Related O&M (L5)											\$ (62,778)
24												
25	Impact to depreciation and amortization (L6)											\$ (1,684)
26												
27	Taxable income (L19 - L21 - L23 - L25)											\$ 14,258
28	Statutory tax rate											\$ 23.1693% [9]
29	Impact to income taxes (L27 x L28)											\$ 3,304
30	Impact to operating income (L27 - L29)											\$ 10,955

[1] E-1 Item 45A, Cost of Service Factor E1AI  
[2] E-1 Item 45A, Cost of Service Factor E1AI  
[3] E-1 Item 45A, Cost of Service Factor E1AI  
[4] E-1 Item 45A, Cost of Service Factor E1AI  
[5] E-1 Item 45A, Cost of Service Factor DPAL  
[6] E-1 Item 45A, Cost of Service, Direct Assigned to NC Retail then Allocated using Factor EZALL  
[7] NC-0202 - NC Billed Fuel Factors, Line 5 and Line 8  
[8] NC-0404 - NC Billed KWH Sales  
[9] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC

Docket No. E-2, Sub 1219

Update fuel costs to approved rate

For the test period ended December 31, 2018

NC-0202  
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ApplicationNC Billed Fuel Factors (with EMF and EMF Interest Increment/Decrement for approved cost factors)

Line No.	Description	Residential	Small General Service	Medium General Service	Large General Service	Area Service Lighting	Sports Field Lighting Service	Street Lighting Service	Traffic Service Signal
1									
2	Approved net fuel and fuel related costs factors (including EMF)								
3	January 2018 through November 2018 fuel rate billed	2.179	2.121	2.258	2.417	1.657	1.657	1.657	2.121 [1]
4	December 2018 fuel rate billed	2.886	2.919	2.820	2.795	3.136	3.136	3.136	2.919 [2]
5	Average fuel rate billed in test period (Monthly Weighted Avg L3 and L4)	2.238	2.188	2.305	2.449	1.780	1.780	1.780	2.188
6									
7	Approved net fuel and fuel related costs factors (excluding EMF)								
8	Approved net fuel and fuel related costs factors (pro forma fuel factor)	2.311	2.556	2.477	1.757	2.251	2.251	2.251	2.251 [3]
9									
10	Increase (Decrease) in fuel rate (L8 - L5)	0.073	0.369	0.172	(0.692)	0.471	0.471	0.471	0.063

[1] NC-0202-1 - Docket No. E-2, Sub 1146, Appendix A, Column F

[2] NC-0202-2 - Docket No. E-2, Sub 1173, Appendix A, Column F

[3] NC-0202-2 - Docket No. E-2, Sub 1173, Appendix A, Column C



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update fuel costs to approved rate  
For the test period ended December 31, 2018

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Application

Approved Fuel Rates for December 2017 through November 2018

**STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH**

DOCKET NO. E-2, SUB 1146

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of  
Application of Duke Energy Progress, LLC ) ORDER APPROVING  
Pursuant to G.S. 62-133.2 and ) FUEL CHARGE  
NCUC Rule R8-55 Relating to Fuel ) ADJUSTMENT  
and Fuel-Related Charge Adjustments )  
for Electric Utilities )

HEARD: Tuesday, September 19, 2017, at 9:30 a.m. in the Commission Hearing  
Room, Dobbs Building, 430 North Salisbury Street, Raleigh, North Carolina

**Appendix A**

**EXCLUDING REGULATORY FEE**

	A	B	C	D	E	F
Class	Base Fuel Rate	Decrement to Base Fuel Rate	Prospective Rate (Columns A + B)	EMF Increment/ (Decrement)	EMF Interest (Decrement)	Billed Rate(Cols. C + D + E)
Residential	3.013	(0.834)	2.179	-	-	2.179
Small General Service	3.001	(0.880)	2.121	-	-	2.121
Medium General Service	2.921	(0.565)	2.356	(0.084)	(0.014)	2.258
Large General Service	2.958	(0.541)	2.417	-	-	2.417
Lighting	3.655	(1.998)	1.657	-	-	1.657

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update fuel costs to approved rate  
For the test period ended December 31, 2018

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Application

Approved Fuel Rates for December 2018 through November 2019

**STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH**

DOCKET NO. E-2, SUB 1173

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of  
Application of Duke Energy Progress, )  
LLC, Pursuant to N.C.G.S. § 62-133.2 ) ORDER APPROVING  
and Commission Rule R8-55 Relating to ) FUEL CHARGE  
Fuel and Fuel-Related Charge ) ADJUSTMENT  
Adjustments for Electric Utilities )

HEARD: Tuesday, September 18, 2018, at 9:30 a.m. in the Commission Hearing  
Room, Dobbs Building, 430 North Salisbury Street, Raleigh, North Carolina

**Appendix A**

**EXCLUDING REGULATORY FEE**

	A	B	C	D	E	F
Class	Base Fuel Rate	Decrement to Base Fuel Rate	Prospective Rate (Columns A + B)	EMF Increment/ (Decrement)	EMF Interest (Decrement)	Billed Rate (Cols. C + D + E)
Residential	1.993	0.318	2.311	0.575	-	2.886
Small General Service	2.088	0.468	2.556	0.363	-	2.919
Medium General Service	2.431	0.046	2.477	0.343	-	2.820
Large General Service	2.253	(0.496)	1.757	1.038	-	2.795
Lighting	0.596	1.655	2.251	0.885	-	3.136

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update fuel costs to approved rate  
For the test period ended December 31, 2018

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Application

Monthly Fuel Filing-System Average Fuel Costs for 12 Months Ended December 2018

As of 1/30/19

Schedule 2

**Duke Energy Progress**  
**Details of Fuel and Fuel-Related Costs**

Docket No. E-2, Sub 1164

Description	December 2018	12 Months Ended December 2018
<b>Fuel and Fuel-Related Costs:</b>		
<b>Steam Generation - Account 501</b>		
0501110 coal consumed - steam	\$ 34,453,367	\$ 307,900,875
0501310 fuel oil consumed - steam	1,404,117	10,490,738
Total Steam Generation - Account 501	35,857,484	318,391,613
<b>Nuclear Generation - Account 518</b>		
0518100 burnup of owned fuel	16,323,865	184,163,880
<b>Other Generation - Account 547</b>		
0547000 natural gas consumed - Combustion Turbine	18,456,887	185,884,718
0547000 natural gas consumed - Combined Cycle	54,365,629	649,230,756
0547106 biogas consumed - Combined Cycle	44,669	179,596
0547200 fuel oil consumed	1,051,520	63,615,887
Total Other Generation - Account 547	73,918,705	898,910,957
<b>Reagents</b>		
Catalyst Depreciation	131,225	2,737,099
Reagents (lime, limestone, ammonia, urea, dibasic acid, and sorbents)	2,048,497	17,128,899
Total Reagents	2,179,721	19,865,998
<b>By-products</b>		
Net proceeds from sale of by-products	72,561,504	85,600,935
Total By-products	72,561,504	85,600,935
<b>Total Fossil and Nuclear Fuel Expenses</b>		
Included in Base Fuel Component	200,841,279	1,506,933,383
<b>Purchased Power and Net Interchange - Account 555</b>		
Capacity component of purchased power (PURPA)	636,198	26,295,307
Capacity component of purchased power (renewables)	1,413,993	42,177,805
Fuel and fuel-related component of purchased power	28,818,399	527,852,191
Total Purchased Power and Net Interchange - Account 555	30,868,590	596,325,303
<b>Less fuel and fuel-related costs recovered through intersystem sales - Account 447</b>	28,778,413	207,269,136
<b>Total Fuel and Fuel-Related Costs</b>	<b>\$ 202,931,456</b>	<b>\$ 1,895,989,550</b>

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Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Normalize for weather  
For the test period ended December 31, 2018

NC-0300  
Narrative  
Application

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#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma reflects adjustments to revenue, fuel expense, operation and maintenance expense, and income taxes to normalize weather conditions experienced during the test period.

The impact to revenue is determined as follows:

1. The percentage of NC Retail kWh sales for the test period is calculated by dividing NC Retail kWh sales by Retail kWh sales.
2. The NC Retail kWh weather adjustment for the test period is determined by multiplying the percentage of NC Retail kWh sales by the Retail kWh weather adjustment. This Retail kWh weather adjustment is calculated by determining the effect that temperature variances have on kWh sales and then pricing out that change in kWh sales for each customer class during the test period at the rates in effect during the test period.

The weather normals used in deriving the temperature corrections for the year 2018 reflect a 30-year average of heating and cooling degree days/hours based on the years 1988-2017. The derivations of the individual monthly weather normals start with calculating the simple average of the hourly temperatures from the following five weather stations:

1. Asheville Regional Airport, WBAN: 03812
2. Columbia Metropolitan Airport, WBAN: 13883
3. Wilmington International Airport, WBAN: 13748
4. Raleigh-Durham International Airport, WBAN: 13722
5. Fayetteville Regional Airport/Grannis Field, WBAN: 93740

**WBAN** : Weather Bureau Army Navy station identifier from NOAA's National Climatic Data Center

Next, degree hours are calculated by taking the average hourly temperatures and subtracting them from a base of 65-degree Fahrenheit. Finally, they are summed for each day to determine the daily heating or cooling degree hours and then summed again over the billing period.

3. The average price by class for the test period is calculated by dividing NC Retail revenue (dollars in thousands) by NC Retail kWh sales.
4. The weather adjusted revenue for the test period is calculated by multiplying the NC Retail kWh weather adjustment by the average price by class.

The impact to fuel expense is determined by multiplying the NC Retail kWh weather adjustment by the most recent approved fuel rate.

The impact to other operation and maintenance expense is determined by multiplying the impact to revenue by the statutory regulatory fee percentage rate and the uncollectibles rate

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Normalize for weather  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0300  
Application

Line No.	Description	Source	NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue	NC-0301	\$ (77,392)
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation	NC-0301	(18,180)
9	Purchased power		-
10	Other operation and maintenance expense	NC-0301	(286)
11	Depreciation and amortization		-
12	General taxes	NC-0301	-
13	Interest on customer deposits		-
14	Income taxes	NC-0301	(13,653)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(32,119)
18			
19	Operating income	L4 - L17	<u>\$ (45,273)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		
34	Working capital investment		
35			
36			
37	Less:		
38	Accumulated deferred taxes		
39	Operating reserves		
40			
41			
42	Construction work in progress		
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ -</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Normalize for weather  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0301  
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Application

Line No.	Description	Residential	Small General Service	Medium General Service	Large General Service	SI	Area Service Lighting	Sports Field Lighting Service	Street Lighting Service	Traffic Signal Service	Total
1	System total kWh sales	18,856,058,157	2,265,971,998	12,832,027,477	10,738,844,015	61,568,195	331,223,495	1,284,600	101,424,376	5,610,405	45,194,012,718
2	NC Retail kWh sales	16,666,046,589	1,982,596,401	11,178,964,878	8,457,791,022	43,075,313	267,795,639	1,134,908	85,107,971	4,754,792	38,687,267,513
3	NC Retail kWh sales % (L2 / L1)	88.3856%	87.4943%	87.1177%	78.7589%	69.9636%	80.8504%	88.3472%	83.9127%	84.7495%	(873,163,264)
4											(768,040,877)
5	Retail kWh weather adjustment	(617,834,119)	(216,561,463)	(23,356,716)	(15,410,967)		-	-	-	-	[2]
6	NC Retail kWh weather adjustment (L3 x L5)	(546,076,604)	(189,478,942)	(20,347,830)	(12,137,502)		-	-	-	-	
7											
8	NC Retail kWh sales (L2)	16,666,046,589	1,982,596,401	11,178,964,878	8,457,791,022	43,075,313	267,795,639	1,134,908	85,107,971	4,754,792	38,687,267,513
9	NC Retail revenue	1,668,505	215,644	810,186	444,494	4,725	62,410	202	26,257	438	[3]
10	Average price by class in ¢/kWh (L9 / L8) x 100,000	10.011	10.877	7.247	5.255	10.969	23.305	17.839	30.851	9.205	
11											
12	Weather adjusted revenue (L6 x L10) / 100,000	\$ (54,670)	\$ (20,609)	\$ (1,475)	\$ (638)	\$ -	\$ -	\$ -	\$ -	\$ -	(77,392)
13											
14	Fuel and fuel related costs ¢/kWh (excluding EMF)	2,311	2,556	2,477	1,757	2,477	2,251	2,251	2,251	2,251	[4]
15	Impact to fuel (L5 x L14) / 100,000	\$ (12,620)	\$ (4,843)	\$ (504)	\$ (213)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (18,180)
16											
17	NC Retail revenue weather adjustment, net of fuel (L12 - L15)	\$ (42,050)	\$ (15,766)	\$ (971)	\$ (425)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (59,212)
18											
19	Calculation of NCUC Regulatory Fee										
20	Uncollectibles Rate	0.2394%	0.2394%	0.2394%	0.2394%	0.2394%	0.2394%	0.2394%	0.2394%	0.2394%	0.2394% [5]
21	Statutory regulatory fee percentage rate	0.1297%	0.1297%	0.1297%	0.1297%	0.1297%	0.1297%	0.1297%	0.1297%	0.1297%	0.1297% [6]
22	Impact to O&M (L12 x (L20 + L21)	\$ (201,777)	\$ (76,06)	\$ (5,44)	\$ (2,35)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (286)
23											
24	Taxable income (L17 - L22)	\$ (41,848)	\$ (15,690)	\$ (965)	\$ (422)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (58,926)
25	Statutory tax rate	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	[7]
26	Impact to income taxes (L24 x L25)	\$ (9,696)	\$ (3,635)	\$ (224)	\$ (98)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (13,653)
27	Impact to operating income (L24 - L26)	\$ (32,152)	\$ (12,055)	\$ (742)	\$ (324)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (45,273)

[1] NC-0302 - 2018 kWh Sales - Per Book [excluding Lighting and General and Industrial includes HP kWhs]

[2] NC-0303 - kWh Weather Normalizations - Based on 30-Year Average (1988 - 2017), Line 13

[3] NC-0404 - Present Revenues Annualized - North Carolina Retail

[4] NC-0202 - NC Billed Fuel Factors (with EMF and EMF Interest Increment/Decrement for approved cost factors), Line 8

[5] NC-0105 - 2018 Uncollectibles Rate, Line 4

[6] NC-0103 - NCUC Statutory Regulatory Fee Percentage Rate - Adjusted, Docket No. M-100, Sub 142, Line 3

[7] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10



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Billed Revenue and KWH Sales - Excluding REPS, DERP and Account 0444000 - Public St and Highway Lighting

Source: Customer Information System

	COS Category	Description	State		North Carolina		South Carolina		Total Sum of KWH	Total Sum of REVENUE
			Sum of KWH	Sum of REVENUE	Sum of KWH	Sum of REVENUE	Sum of KWH	Sum of REVENUE		
1	COS Category									
2	Residential	RES - RES DENTAL SERVICE	16,158,859,096	1,772,700,800	2,148,532,519	252,526,648	18,307,391,615	2,025,227,448		
3		R-TOLD - RESIDENTIAL SERVICE TIME-OF-USE	451,040,840	43,402,985	41,479,049	4,263,168	492,519,889	47,666,063		
4		R-TOU - RES DENTAL SERVICE TIME-OF-USE	56,146,653	4,124,181	-	-	56,146,653	4,124,181		
5	Residential Sum		16,666,046,589	1,820,227,876	2,190,011,568	256,789,816	18,856,058,157	\$2,077,017,692		
6	Small General Service	GS - GENERAL SERVICE	1,950,982,004	226,009,560	3,679,279	484,079	3,679,279	484,079		
7		SGS - SMALL GENERAL SERVICE	31,614,397	3,781,169	275,256,804	34,675,435	2,226,238,808	260,684,995		
8		SGS-TOU-CLR - SMALL GENERAL SERVICE TIME-OF-USE CONSTANT LOAD RATE			4,439,514	446,421	36,053,911	4,227,590		
9	Small General Service Sum		1,982,596,401	229,790,729	283,375,597	35,605,935	2,265,971,998	\$265,396,664		
10	Medium General Service	APH-TES - AGRICULTURAL POST-HARVEST SERVICE	2,065,800	138,228			2,065,800	138,228		
11		CH-TOUT - CHURCH SERVICE EXPERIMENTAL TIME-OF-USE	8,706,511	1,244,444	1,312,020	186,473	8,706,511	1,244,444		
12		CSE - CHURCH AND SCHOOL SERVICE	1,373,440	208,133		4,764	2,685,460	394,606		
13		CSG - CHURCH AND SCHOOL SERVICE	25,680	4,629	25,120	9,393	50,800	9,393		
14		MGS - MEDIUM GENERAL SERVICE	2,773,108,650	271,655,277	536,499,774	59,483,621	3,309,608,424	331,138,898		
15		SGS-TES - SMALL GENERAL SERVICE THERMAL ENERGY STORAGE	21,819,600	1,510,948	See attached	88,508,538	21,819,600	1,510,948		
16		SGS-TOU - SMALL GENERAL SERVICE TIME-OF-USE	8,371,865,197	611,317,514	1,115,225,685	9,487,090,882	699,826,052			
17	Medium General Service Sum		11,178,964,878	886,079,473	1,653,062,599	148,183,396	12,832,027,477	\$1,034,262,569		
18	Large General Service	LGS - LARGE GENERAL SERVICE	1,141,204,433	88,859,666	698,027,189	50,318,321	1,839,231,622	139,177,987		
19		LGS-CRTL-TOU - LARGE GENERAL SERVICE CURTAILMENT TIME-OF-USE (SPECIAL)			702,376,100	30,077,028	702,376,100	30,077,028		
20		LGS-RTP - LARGE GENERAL SERVICE (EXPERIMENTAL REALTIME PRICING)	9,861,252	824,900	-	-	9,861,252	824,900		
21		LGS-RTP-TOU - LARGE GENERAL SERVICE (EXPERIMENTAL REALTIME PRICING) TOU	5,708,044,202	328,945,782	571,293,865	32,059,629	6,279,338,067	361,005,411		
22		LGS-TOU - LARGE GENERAL SERVICE TIME-OF-USE	1,398,681,135	113,958,528	309,355,839	19,236,422	1,908,036,974	133,194,950		
23	Large General Service Sum		8,457,791,022	532,588,876	2,281,052,993	131,691,400	10,738,844,015	\$664,280,276		
24	Seasonal Interimittent	SI - SEASONAL OR INTERMITTENT SERVICE	43,075,313	5,200,515	18,492,882	2,335,235	61,568,195	7,535,750		
25	Seasonal Interimittent Sum		43,075,313	5,200,515	18,492,882	2,335,235	61,568,195	7,535,750		
26	Other	ALS - AREA LIGHT NG SERVICE	267,795,639	62,444,191	63,427,856	14,298,726	331,223,495	76,742,917		
27		SFLS - SPORTS F ELD LIGHTING SERVICE	1,134,908	200,691	149,692	40,747	1,284,600	241,438		
28		SLS - STREET LIGHTING SERVICE	85,107,971	26,178,894	16,316,405	4,211,648	101,424,376	30,390,542		
29		TSS - TRAFFIC SIGNAL SERVICE	4,754,792	454,335	855,613	77,478	5,610,405	531,813		
30	Other Sum		358,793,310	89,278,111	80,749,566	18,628,599	439,542,876	\$107,906,710		
	Grand Total		38,687,267,513	3,563,165,280	6,506,745,205	593,234,381	45,194,012,718	\$4,156,399,661		

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KWH Weather Normalizations - Based on 30-Year Average (1988 - 2017)

Line No.	Month	Residential	Small General Service	Medium General Service	Large General Service	Area Service Lighting	Sports Field Lighting Service	Street Lighting Service	Traffic Service Signal	Total Retail
<u>30 Year Average (1988 - 2017) [1][2]</u>										
1	Jan 2018	(278,225,606)	(36,884,915)	(11,128,093)	(1,112,722)	-	-	-	-	(327,351,337)
2	Feb 2018	224,939,371	2,870,737	-	1,231,018	-	-	-	-	229,041,125
3	Mar 2018	161,753,884	-	58,530,680	7,165,475	-	-	-	-	227,450,039
4	Apr 2018	(85,042,805)	-	(25,773,871)	-	-	-	-	-	(110,816,676)
5	May 2018	(22,974,451)	(7,521,622)	(12,099,634)	-	-	-	-	-	(42,595,707)
6	Jun 2018	(159,647,166)	(74,246,606)	(13,927,491)	(5,743,689)	-	-	-	-	(253,564,952)
7	Jul 2018	(81,018,800)	(29,877,925)	(71,870,515)	(3,280,289)	-	-	-	-	(186,047,529)
8	Aug 2018	21,296,087	9,524,512	4,179,053	1,156,468	-	-	-	-	36,156,119
9	Sep 2018	(110,861,295)	27,300,982	82,489,398	(7,927,783)	-	-	-	-	(8,998,697)
10	Oct 2018	(191,792,555)	(108,768,846)	(73,637,968)	(844,440)	-	-	-	-	(375,043,809)
11	Nov 2018	(7,421,893)	(114,174,758)	(40,777,632)	(6,055,004)	-	-	-	-	(168,429,288)
12	Dec 2018	(88,838,889)	115,216,980	80,659,356	-	-	-	-	-	107,037,447
13	Total	(617,834,119)	(216,561,463)	(23,356,716)	(15,410,967)	-	-	-	-	(873,163,264)

[1] Duke Energy Load Forecasting

[2] Excludes Public Street Lighting

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Oct 30 2019

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma annualizes revenue, fuel expense, operation and maintenance expense, and income taxes to reflect changes in the number of customers and usage per customer during the test period.

The impact to revenue was determined as follows:

To determine the additional revenue requirement resulting from customer growth, the monthly increase in number of customers was multiplied by the applicable average monthly kWh consumption per customer to derive the annualized change in kWh consumption based on the number of customers at the end of the test period.

The impact to fuel expense was determined by multiplying the 'Customer growth adjustment to KWH sales - NC kWh adjustment' by the most recent approved fuel rate (excluding EMF).

The impact to other operation and maintenance expense is determined by multiplying the impact to revenue by the statutory regulatory fee percentage rate and the uncollectibles rate

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate

This adjustment updates revenues to reflect customer growth experienced beyond the test period, through July 2019. The underlying calculations reflect the same methods used in the Company's rebuttal testimony as explained by Company Witness Pirro in Docket E-2 Sub 1142.

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Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue	NC-0401	\$ 5,182
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation	NC-0401	2,857
9	Purchased power		-
10	Other operation and maintenance expense	NC-0401	19
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-0401	534
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	3,411
18			
19	Operating income	L4 - L17	\$ 1,771
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ -
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

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Line No.	Description	Residential	GS	SGS	SGS-TOLCLR	Small General Service	Medium General Service	Large General Service	SI	Area Service	Sports Field Lighting	Street Lighting	Traffic Signal	Total NC Retail
1	Customer growth adjustment to KWH sales - revenue													
2	adjustment	\$ (8,344)	\$ -	\$ 1,113	\$ 43	\$ 1,157	\$ 10,097	\$ 2,062	\$ 374	\$ -	\$ 3	\$ (171)	\$ 5	\$ 5,182 [1]
3														
4	Approved fuel and fuel related costs \$/kWh (excluding EMF)	2,311	2,556	2,556	2,556	2,556	2,477	1,757	2,477	2,251	2,251	2,251	2,251	[2]
5	Customer growth adjustment to KWH sales - NC kWh adjuster	(82,972,645)	-	10,241,353	384,606	10,625,959	155,228,977	33,272,037	3,410,965	-	17,586	(555,106)	57,842	[1]
6	Impact to fuel (L4 x (L5 / 100,000))	\$ (1,917)	\$ -	\$ 262	\$ 10	\$ 272	\$ 3,845	\$ 585	\$ 84	\$ -	\$ 0	\$ (12)	\$ 1	\$ 2,857
7														
8	Calculation of NCUC Regulatory Fee and Uncollectible													
9	Uncollectible rate	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394	0.002394 [3]
10	Statutory regulatory fee percentage rate	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297	0.001297 [4]
11	Impact to O&M ((L9 + L10) x L2)	\$ (31)	\$ -	\$ 4	\$ 0	\$ 4	\$ 37	\$ 8	\$ 1	\$ -	\$ 0	\$ (1)	\$ 0	\$ 19
12														
13	Taxable income (L2 - L6 - L11)	\$ (6,396)	\$ -	\$ 847	\$ 33	\$ 881	\$ 6,215	\$ 1,469	\$ 288	\$ -	\$ 3	\$ (158)	\$ 4	\$ 2,306
14														
15	Statutory tax rate	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693%	23.1693% [5]
16	Impact to income taxes (L13 x L15)	\$ (1,482)	\$ -	\$ 196	\$ 8	\$ 204	\$ 1,440	\$ 340	\$ 67	\$ -	\$ 1	\$ (37)	\$ 1	\$ 534
17														
18	Impact to operating income (L13 - L16)	\$ (4,914)	\$ -	\$ 651	\$ 26	\$ 677	\$ 4,775	\$ 1,129	\$ 221	\$ -	\$ 2	\$ (121)	\$ 3	\$ 1,771

- [1] NC-0402 - Calculation of Customer Growth and Usage Revenue Adjustment  
[2] NC-0202 - NC Billed Fuel Factors (with EMF and EMF interest increment/decrement for approved cost factors), Line 8  
[3] NC-0105 - 2018 Uncollectibles Rate, Line 4  
[4] NC-0103 - NCUC Statutory Regulatory Fee Percentage Rate - Adjusted, Docket No. M-100, Sub 142, Line 3  
[5] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

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Calculation of Customer Growth and Usage Revenue Adjustment

Line No.	Rate Schedule	NC Retail KWH Adjustment (a)	Cents Per KWH (b)	Revenue Adjustment (c) = ((a) x (b) / 100,000)
1	Residential	(82,972,645) [1]	10.06	(8,344)
	Residential excl. TOU	(81,386,607) [1]	10.06 [2]	\$ (8,187)
	Residential TOU	(1,586,038) [1]	9.92 [2]	\$ (157)
2	Small General Service	10,625,959 [1]	10.88	1,157
	SGS excl. Constant Load Rate	10,241,353 [1]	10.87 [2]	\$ 1,113
	SGS Constant Load Rate	384,606 [1]	11.25 [2]	\$ 43
3	Medium General and Seasonal and Intermittent Service	158,639,942 [1]	6.60	10,471
	Medium General Service excl. Time of Use	66,740,284 [1]	6.19 [2]	\$ 4,129
	Small General Service Time of Use	88,488,694 [1]	6.74 [2]	\$ 5,968
	Seasonal and Intermittent Service	3,410,965 [1]	10.97 [2]	\$ 374
4	Large General Service	33,272,037 [1]	6.20	2,062
	Large General Service excl. Time of Use and Real Time Pricing	10,061,647 [1]	7.79 [2]	\$ 783
	Small General Service Time of Use	13,834,764 [1]	6.00 [2]	\$ 830
	Small General Service Real Time Pricing	9,375,625 [1]	4.78 [2]	\$ 448
5	Sports Field Lighting Service	17,586 [1]	17.84 [2]	3
6	Street Lighting Service	(555,106) [1]	30.85 [2]	(171)
7	Traffic Signal Service	57,842 [1]	9.20 [2]	5
8	Total NC Retail (Sum L1 through L7)	<u>119,085,616</u>		<u>5,182</u>

[1] NC-0403 - Customer Growth Adjustment to KWH Sales, col (d)

[2] NC-0404 - Present Revenue Annualized and KWH Sales - NC Retail, c/kWh



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Customer Growth Adjustment to KWH Sales					
(a)	(b)	(c)	(d)	(e)	
Line No.	Rate Schedule	COS Category	Proposed KWH Adjustment [1]	Adj by COS Schedule	Service Bases 12/31/2018 C1ALL Allocator [2]
1					
2	NC Residential	Residential	(82,972,645)	(81,386,607)	NCRES 1,177,050
3				(1,586,038)	NCRET 22,938
4	NC General:				NCSGS 160,062
5	General Service Small	Small General Service	10,625,959	10,241,353	NCSGS NCSGSTCLR 6,011
6	General Service Medium	Medium General Service	158,639,942	384,606	NCSGSTCLR 22,077
7	Total General		169,265,901	88,488,694	NCSGTM NCMGS 16,651
8				66,740,284	NCSI 851
9				3,410,965	NCLGS 88
10	NC Lighting:				NCLGT 121
11	Street Lighting	Lighting	(555,106)	(555,106)	NCRTP 82
12	Sports Field Lighting	Lighting	17,586	17,586	NCTSS 780
13	Traffic Signal Service	Lighting	57,842	57,842	NCTSS 0
14	Total Street Lighting		(479,677)		NCSLS 1,578
15					NCSFL 78
16	NC Industrial:				
17	I - Textile	Large General Service	-	10,061,647	NCLGS 1,408,367
18	I - Non textile	Large General Service	33,272,037	13,834,764	NCLGT
19	Total Industrial		33,272,037	9,375,625	NCRTP
20					
21					
22	Total		119,085,616	119,085,616	

Notes:

[1] Using the regression method (Residential, Lighting, SCS classes) and a customer by customer method for MGS and Industrial. Provided by Rate Design.

[2] Regression using number of service bases, and schedules in proposed adjustment per Rate Design

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Present Revenue Annualized and KWH Sales - NC Retail

Line No.	State	North Carolina			
1					
2	COS Category	Description	Sum of KWH	Present Revenue Annualized	NC
3	Residential	RES - RESIDENTIAL SERVICE	\$16,158,859,096	\$1,625,518,113	10.06
4		R-TOUD - RESIDENTIAL SERVICE TIME-OF-USE	\$451,040,840	\$37,418,664	
5		R-TOUE - RESIDENTIAL SERVICE ALL-ENERGY TIME-OF-USE	\$56,146,653	\$5,568,073	9.92
6	Residential Sum		\$16,666,046,589	\$1,668,504,850	10.01
7	Small General Service	SGS - SMALL GENERAL SERVICE	\$1,950,982,004	\$212,085,786	10.87
8		SGS-TOU-CLR - SMALL GENERAL SERVICE TIME-OF-USE CONSTANT LOAD RATE	\$31,614,397	\$3,557,875	11.25
9	Small General Service Sum		\$1,982,596,401	\$215,643,661	10.88
10	Medium General Service	APH-TES - AGRICULTURAL POST-HARVEST SERVICE	\$2,065,800	\$134,507	
11		CH-TOUE - CHURCH SERVICE EXPERIMENTAL TIME-OF-USE	\$8,706,511	\$1,174,859	
12		CSE - CHURCH AND SCHOOL SERVICE	\$1,373,440	\$193,825	
13		CSG - CHURCH AND SCHOOL SERVICE	\$25,680	\$4,341	
14		MGS - MEDIUM GENERAL SERVICE	\$2,773,108,650	\$242,725,236	6.19
15		SGS-TES - SMALL GENERAL SERVICE THERMAL ENERGY STORAGE	\$21,819,600	\$1,350,017	6.74
16		SGS-TOU - SMALL GENERAL SERVICE TIME-OF-USE	\$8,371,865,197	\$564,603,355	7.25
17	Medium General Service Sum		\$11,178,964,878	\$810,186,141	7.79
18	Large General Service	LGS - LARGE GENERAL SERVICE	\$1,141,204,433	\$75,604,919	
19		LGS-RTP - LARGE GENERAL SERVICE (EXPERIMENTAL REALTIME PRICING)	9,861,252	-	4.78
20		LGS-RTP-TOU - LARGE GENERAL SERVICE (EXPERIMENTAL REAL TIME PRICING) TOU	\$5,708,044,202	\$273,011,272	6.00
21		LGS-TOU - LARGE GENERAL SERVICE TIME-OF-USE	\$1,598,681,135	\$95,877,374	5.26
22	Large General Service Sum		\$8,457,791,022	\$444,493,565	
23	Other	ALS - AREA LIGHTING SERVICE	\$267,795,639	\$62,409,821	17.84
24		SFLS - SPORTS FIELD LIGHTING SERVICE	\$1,134,908	\$202,461	30.85
25		SLS - STREET LIGHTING SERVICE	\$85,107,971	\$26,256,554	9.20
26		TSS - TRAFFIC SIGNAL SERVICE	\$4,754,792	\$437,675	
27	Other Sum		\$358,793,310	\$89,306,511	
28	Seasonal Intermittent	SI - SEASONAL OR INTERMITTENT SERVICE	\$43,075,313	\$4,724,718	10.97
29	Seasonal Intermittent Sum		\$43,075,313	\$4,724,718	
30	Grand Total		38,687,267,513	3,232,859,446	

[1] NC-0102 - Column c

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Eliminate unbilled revenues  
For the test period ended December 31, 2018

NC-0500  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma reflects adjustments to revenue and income taxes to eliminate unbilled revenues during the test period. The adjustment to revenue reflects the elimination of the estimated unbilled revenue the Company recorded for the difference between kWh sales billed during the test period and kWh used by customers during the test period.

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
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Eliminate unbilled revenues  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0500  
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Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue	NC-0501	\$ 11,826
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense		-
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-0501	2,740
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	2,740
18			
19	Operating income	L4 - L17	\$ 9,086
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			-
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ -
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Eliminate unbilled revenues  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0501  
Page 1 of 1  
Application

Line No.	Description	Total NC Retail
1	<u>North Carolina Retail Unbilled Revenues:</u>	
2	North Carolina Retail Unbilled Coal Inventory Revenue (Account 456.191)	(271) [1]
3	North Carolina Retail Unbilled Revenue (Accounts 440.990, 442.190, 442.290, 444.990)	12,096 [1]
4	Impact to revenue (L2 + L3)	<u>\$ 11,826 [2]</u>
5		
6	Taxable income (L4)	\$ 11,826
7	Statutory tax rate	23.1693% [3]
8	Impact to income taxes (L6 x L7)	<u>\$ 2,740</u>
9		
10	Impact to operating income (L6 - L8)	<u><u>\$ 9,086</u></u>

[1] NC-0502 - Journal Detail - Electric Unbilled Revenues - North Carolina

[2] Unbilled revenues resulted in a decrease to revenue in the test period. This adjustment removes the impact of unbilled revenues from operating revenues.

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 1C

Duke Energy Progress, LLC  
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Eliminate unbilled revenues  
For the test period ended December 31, 2018  
Journal Detail - Electric Unbilled Revenues - North Carolina

NC-0502  
Page 1 of 1

Line No.	Account & Description	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
1	0456191 - NC Unbilled Coal Inv Rev	-	-	-	-	-	-	-	(3,434)	28,938	33,198	18,468	4,660	(270,645)
2	NC Retail Unbilled Coal Inventory Revenue	-	-	-	(96,053)	(96,918)	(101,282)	(58,222)	(3,434)	28,938	33,198	18,468	4,660	(270,645)
3														
4	0440990 - Residential Unbilled Rev	20,142,328	15,786,744	(10,078,584)	12,050,900	(21,899,075)	(5,946,628)	1,474,358	(3,515,219)	6,080,008	22,149,013	(19,185,899)	(6,512,450)	10,545,496
5	0442190 - General Service Unbilled Rev	6,495,331	(480,434)	(2,580,964)	3,537,035	(8,168,074)	868,473	(2,502,979)	(1,364,872)	2,261,043	8,549,795	(654,613)	(5,394,906)	564,835
6	0442290 - Industrial Svc Unbilled Rev	2,285,831	(1,364,650)	682,120	1,173,059	(3,248,854)	(272,853)	(1,309,129)	(787,892)	985,704	3,516,922	432,152	(1,236,680)	855,630
7	0444990 - Public Street/Highway Unbilled	215,740	110	(37,900)	69,596	(128,331)	82,805	(14,800)	(29,215)	11,910	114,200	(55,525)	(78,582)	152,008
8	0443080 - OPA Unbilled	243,682	(2,506,524)	2,470,622	168,961	(300,987)	231,363	(526,216)	(82,273)	138,893	343,843	167,070	(108,231)	(21,692)
9	NC Retail Unbilled Revenue	29,383,117	11,435,246	(9,544,706)	16,999,551	(33,943,321)	(5,036,840)	(2,878,826)	(5,779,571)	9,475,558	34,673,773	(19,296,815)	(13,390,849)	12,096,317

[1] Provided by Duke Energy Progress Accounting.  
[2] Unbilled revenue presented represents NC Retail share.



Duke Energy Progress, LLC  
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Eliminate costs recovered through non-fuel riders  
For the test period ended December 31, 2018

NC-0600  
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#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma adjusts revenues and expenses to remove amounts that are associated with cost recovery through the following non-fuel riders: Renewable Energy Portfolio Standard Rider, Energy Efficiency Rider/DSM and DSDR Riders, the Joint Agency Asset Rider, EDIT Riders and the effects of HB 589. Rate base is also adjusted to eliminate the amounts recorded on the Company's financial statements as of December 31, 2018 related to these riders. The rate base adjustments are shown on Smith Exhibit 1, pages 4, 4a, 4b, 4c, and 4d.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Eliminate costs recovered through non-fuel riders  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0600  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue	NC-0601	\$ (27,830)
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation	NC-0601	(18,522)
9	Purchased power		-
10	Other operation and maintenance expense	NC-0601	(136,112)
11	Depreciation and amortization	NC-0601	(58,446)
12	General taxes	NC-0601	(6,458)
13	Interest on customer deposits		-
14	Income taxes	NC-0601	63,161
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(156,377)
18			
19	Operating income	L4 - L17	<u>\$ 128,547</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			\$0
28	Electric plant in service	NC-0601	\$ (950,962)
29	Accumulated depreciation and amortization	NC-0601	158,734
30	Electric plant in service, net	Sum L28 through L29	(792,228)
31			
32	Add:		
33	Materials and supplies	NC-0601	(157,453)
34	Working capital investment	NC-0601	(150,987)
35	Nuclear Fuel	NC-0601	(27,363)
36			
37	Less:		
38	Accumulated deferred taxes	NC-0601	90,146
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ (1,037,885)</u>
45			
46	Note: Rate Base: positive number increases rate base / negative number decreases rate base		

/A

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Eliminate costs recovered through non-fuel riders  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0601  
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Application

Line No.	(a) Description	(b) DSM/EE	(c) DSDR	(d) REPS	(e) JAAR	(f) HB 589	(g) EDIT	(h) Adjust Total System	(i) NC Retail Allocation	(j) Total NC Retail	(k) Factor	[2]
1	Impact to Income Statement Line Items											
2	Electric operating revenue.											
3	Revenue	-	[1]	\$ 24,719 [6]			-	\$ (24,719)	100.0000%	\$ (24,719)	DA	
4	Other Electric Revenues			1,114 [6]				(1,114)	100.0000%	(1,114)	DA	
5	JAAR Revenue Adjustments				3,245 [7]			(3,245)	61.5278%	(1,996)	DPALL	
6	Impact to revenue							\$ (29,078)		\$ (27,830)		
7												
8	Fuel used in electric generation.											
9	RECS Consumption Expense			18,424 [6]				\$ (18,424)	100.0000%	\$ (18,424)	DA	
10	Biogas Expense			433				(433)	100.0000%	(433)	DA	
11	REC Biogas Contra Expense			(333)				333	100.0000%	333	DA	
12	REC Biogas Contra Expense - SC			(3)				3	100.0000%	3	DA	
13	Impact to fuel							\$ (18,522)		\$ (18,522)		
14												
15												
16	Other operation and maintenance expense.											
17	O&M/A&G Expenses	88,956 [3]						\$ (88,956)	81.0834%	\$ (72,128)	DSMALL	
18	Insurance Expense DSDR	707 [3]						(707)	67.9178%	(480)	PTDG	
19	O&M recovered in JAAR				72,212 [7]			(72,212)	61.5278%	(44,431)	DPALL	
20	A&G Related O&M recovered in JAAR				30,999 [7]			(30,999)	61.5278%	(19,073)	DPALL	
21	Impact to O&M							-	0.0000%	-		
22								\$ (192,874)		\$ (136,112)		
23												
24	Depreciation and amortization.											
25	DSDR Depreciation: Intangible Plant		1,158 [4]					\$ (1,158)	67.9178%	\$ (786)	PTDG	
26	DSDR Depreciation: Transmission Plant		12 [4]					(12)	59.6699%	(7)	DTALL	
27	DSDR Depreciation: Distribution Plant		4,306 [4]					(4,306)	87.1486%	(3,753)	RB_PLT_O_PL	
28	DSDR Depreciation: General Plant		855 [4]					(855)	74.0412%	(633)	RB_PLT_O_CN	
29	DSM Allocated Amortizations	(38,327) [3]						38,327	81.0834%	31,077	DSMALL	
30	DSM NC Amortizations	50,043 [3]						(50,043)	100.0000%	(50,043)	DA	
31	DSM SC Amortizations	17,528 [3]						(17,528)	0.0000%	-	DA	
32	REPS Rider NC Wholesale			6,514 [6]				(6,514)	100.0000%	(6,514)	DA	
33	REPS Rider NC Retail			(26)				26	0.0000%	-	DA	
34	JAAR Depreciation and amortization expense				\$50,480 [7]			(50,480)	61.5278%	(31,059)	DPALL	
35	EDIT Rider Amortization (Account 0407398)							3,273	100.0000%	3,273	DA	
36	Impact to depreciation and amortization							\$ (89,270)		\$ (58,446)		
37												
38												
39	Property Tax											
40	Property Tax on DSDR		604 [3]					\$ (604)	67.9178%	\$ (410)	PTDG	
41	Property Tax JAAR				6,087 [7]			(6,087)	61.5278%	(3,745)	DPALL	
42	Impact to property tax							\$ (6,691)		\$ (4,155)		
43												
44	Other Tax											
45	Payroll Tax	275 [3]						\$ (275)	81.0834%	\$ (223)	DSMALL	
46	Payroll Tax JAAR				3,380 [7]			(3,380)	61.5278%	(2,080)	DPALL	
47	Impact to other tax							\$ (3,655)		\$ (2,303)		
48												
49	Taxable income (L7 - (L14 + L23 + L37 + L42 + L47))							\$ 281,933		\$ 191,708		
50	Statutory tax rate							23.1693% [8]		23.1693% [8]		
51	Impact to income taxes (L49 x L50)							65,322	100.0000%	44,417		
52	EDIT Impact to Income Taxes							18,743	100.0000%	18,743	DA	
53	Total Tax impact (Sum L51 through L52)							\$ 84,065		\$ 63,161		
54												
55	Impact to operating income (L49 - L51)							\$ 197,868		\$ 128,547		

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Line No.	Description	DSM/EE	DSDR	REPS	JAAR	HB 589	EDIT	Adjust Total System	NC Retail Allocation	Total NC Retail	Factor
56	Impact to Rate Base Line Items										
57	Electric plant in service.							\$ (215,855)	61.5278%	\$ (179,383)	Various
58	DSDR Plant		215,855 [5]					(1,254,033)		(771,579)	DPALL
59	NCEMPA Plant Recovered in JAAR Rider				1,254,033 [7]			<u>\$ (1,469,888)</u>		<u>\$ (950,962)</u>	
60	Impact to electric plant in service										
61											
62	Accumulated depreciation and amortization.										
63	DSDR Accum Depr		(81,542) [5]					\$ 81,542	61.5278%	\$ 64,157	Various
64	NCEMPA Accum Depr recovered in JAAR Rider				(153,714) [7]			<u>153,714</u>		<u>94,577</u>	DPALL
65	Impact to accumulated depreciation							<u>\$ 235,256</u>		<u>\$ 158,734</u>	
66											
67	Nuclear Fuel										
68	JAAR Nuclear Fuel				44,473 [7]			\$ (44,473)	61.5278%	\$ (27,363)	DPALL
69											
70	Materials and supplies.										
71	Renewable Energy Credits (RECs)-NC			120,429 [6]				\$ (120,429)	100.0000%	\$ (120,429)	DA
72	JAAR Material and Supplies				60,175 [7]			<u>(60,175)</u>	61.5278%	<u>(37,025)</u>	DPALL
73											
74	Impact to Materials and Supplies							<u>\$ (180,604)</u>		<u>\$ (157,453)</u>	
75											
76	Working capital investment.										
77	REPS Incremental Costs			(2,911) [6]				\$ 2,911	100.0000%	\$ 2,911	DA
78	NC Solar Amort & Returns			58 [6]				<u>(58)</u>	100.0000%	<u>(58,101)</u>	DA
79	DSM/EE Regulatory Asset	219,774 [3]						(219,774)	100.0000%	(219,774)	DA
80	NC REC Liability - Retail			(114,256) [6]				114,256	100.0000%	114,256	DA
81	NC REC Liability - Wholesale			(31) [6]				31	0.0000%	-	DA
82	NC JAAR Reg Assets (Accts 0182479 and 0182485)				44,393 [9]			(44,393)	100.0000%	(44,393)	DA
83	CPRE Rider- Asset - Retail (Acct 0182528)					442 [9]		<u>(442)</u>	100.0000%	<u>(442)</u>	DA
84	Duke Generated REC Certificate			336 [6]				<u>(336)</u>	100.0000%	<u>(335,739)</u>	DA
85	NC Solar Rebate Program Costs - Retail			3,150 [6]				<u>(3,150)</u>	100.0000%	<u>(3,150)</u>	DA
86	Impact to working capital investment							<u>\$ (150,955)</u>		<u>\$ (150,987)</u>	
87											
88	Accumulated deferred income tax.										
89	ADIT on REPS Reg Asset and Liability									\$ (26,325)	DA
90	ADIT on NC DSM/EE Reg Asset	(50,920) [3]							100.0%	50,920	NB_PLT
91	ADIT on NC JAAR Reg Assets				(10,285)					10,285	Various
92	ADIT on DSDR Plant		(27,051) [5]						61.5278%	22,481	DPALL
93	ADIT on JAAR- Production Plant related				(53,311) [7]				61.5278%	32,801	DPALL
94	ADIT on JAAR- Nuclear Fuel related				26 [7]					(16)	DPALL
95	ADIT on CPRE									102	DA
96											
97	Deferred tax rate									23.1693% [8]	
98	Total Impact to Accumulated deferred income tax (Sum L89 through L94)							<u>\$ 90,146</u>			
99											
100											
101	Impact to rate base (L50 + L65 +L68+ L74 + L86 + L98)							<u>\$ (1,037,885)</u>			

[1] Removed in Revenue Annualization adjustment NC-1000

[2] Allocation Factors - Direct Assign (DA); DSM (DSMALL), Gross Tangible Plant (PTDG), Production Demand (DPALL), Transmission Demand (DTALL), Gross Distribution Plant (RB\_PLT\_O\_D), Gross General Plant (RB\_PLT\_O\_GN).

[3] NC-0602 - Detail DSM/EE DSDR Costs

[4] DSDR Depreciation Schedule from Accounting

[5] NC-0603 - DSDR support

[6] NC-0604 - Cost of Service REPS detail

[7] NC-0605 JAAR Support

[8] NC-0104 - 2018 Calculation of Tax Rate, Line 10

[9] E-1 Item 2, Trial Balance

[10] EDIT Rider Support - Tax Liability worksheet

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**Remove DSM/EE/DSDR clause impacts**

(a)	(b)	(c)	(d)	(e)	
Row	Description	FERC Account	Sub Component of Account?	Amount	
<b>INCOME STATEMENT</b>					
<b>O&amp;M</b>					
1	OTHER EXPENSES - OPER	0557000	Y	\$ 83,717,978	[1]
2	LOAD DISPATCH - DIST OF ELEC	0583100	Y	-	[1]
3	SUPERVSN AND ENGRING - DIST OPS	0580000	Y	-	[1]
4	MISC DISTRIBUTION EXP - OTHER	0588100	Y	2,200,556	[1]
5	MAINT OVERHD LINES - OTHER - DIST	0593000	Y	1,695,730	[1]
6	MAINT OF METERS - DIST	0597000	Y	-	[1]
7	ADVERTISING	0913001	Y	1,708	[1]
8	OFFICE EXPENSES	0921200	Y	576	[1]
9	EMPLOYEE BENEFITS - TRANSFERRED	0926600	Y	1,339,285	[1]
10	SubTotal O&M/A&G			88,955,833	
11	O&M Insurance on DSDR		Y	706,500	[2]
12	Total O&M/A&G			89,662,333	
13	Adjustment to Remove DSM/EE/DSDR O&M/A&G			\$ (89,662,333)	
14					
15	<b>Depreciation</b>				
16	DSDR Annualized Depreciation Expense			6,330,487	[2]
17	Adjustment to remove Annualized Depreciation expense			\$ (6,330,487)	
18					
19	<b>Deferrals/Amortizations</b>				
20	REG DEBIT - DSM/EE NC	0407358	N	\$ 34,999,298	[3]
21	REG DEBIT- DSM/EE NC O&M	0407334	N	87,968,043	[3]
22	REG DEBIT - DSM/EE SC	0407359	N	5,253,766	[3]
23	REG DEBIT- DSM/EE SC O&M	0407335	N	24,436,376	[3]
24	DSM/EE O&M DEFERRAL/REG CREDIT NC	0407432	N	(72,924,432)	[3]
25	DSM/EE O&M DEFERRAL/REG CREDIT SC	0407433	N	(12,162,471)	[3]
26	DSM/EE CAPITAL DEFERRAL	0407414	N	(12,069,234)	[3]
27	REG CREDIT DSM/EE OTHER	0407416	N	(26,257,581)	[3]
28	Total Amortizations			\$ 29,243,765	
29					
30	Adjustment to Remove DSM Amortizations - Allocated			\$ 38,326,815	
31	Adjustment to Remove DSM Deferrals & Amortizations - D/A NCR			(50,042,909)	
32	Adjustment to Remove DSM Deferrals & Amortizations - D/A SCR			(17,527,671)	
33					
34	<b>Property taxes</b>				
35	PROPERTY TAX on DSDR		Y	603,872	[2]
36	Adjustment to Remove DSDR Property Taxes			\$ (603,872)	
37					
38	<b>Other Taxes</b>				
39	PAYROLL TAX	0408960	Y	275,232	[1]
40	Adjustment to Remove DSM/EE/DSDR Other Taxes			\$ (275,232)	
41					
42	<b>RATE BASE</b>				
43	<b>Reg Assets</b>				
44	NC DSM/EE DSDR DEFERRAL	0182381	N	\$ 219,773,951	[3]
45	SC DSM/EE DSDR DEFERRAL	0182361	N	15,329,741	[3]
46	Total Reg Assets			\$ 235,103,692	
47					
48	Adjustment to Remove DSM Reg Assets - D/A NCR			\$ (219,773,951)	
49					
50	<b>ADIT</b>				
51	NC DSM/EE- ADIT	23.1693%	Y	\$ (50,920,087)	
52	SC DSM/EE - ADIT	23.1693%	Y	(3,551,794)	
53	Total ADIT			\$ (54,471,881)	
54					
55	Adjustment to Remove DSM ADIT - D/A NCR			\$ 50,920,087	

**Notes:** DSM/EE revenues are removed in NC1000 - Annualize revenues for current rates, so not adjusted herein  
DSDR Plant Assets and ADIT are removed in Adjustment NC - 0603

[1] ES-1 DSM/EE Recoverable O&M Costs by FERC Account

[2] DSM/EE Filing support - DSDR Deferral and Depreciation

[3] E-1 Item 2, Trial Balance

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Line No.	Description		Total System	NC Retail Allocation [2]	Total NC Retail
1	<u>DSDR Plant</u>				
2	Gross Plant balances:	Account			
3	Misc Intangible plant	303	\$ 32,842,428 [1]	67.9178%	\$ 22,305,852
4	Transmission Station Equip	353	607,005	59.6699%	362,199
5	Distribution - Structures and Improvements	361	9,396		
6	Distribution Station Equip	362	35,895,818		
7	Distribution Poles, Towers and Fixtures	364	20,010,140		
8	Distribution Overhead conductors and devices	365	45,606,682		
9	Distribution Underground conduit	366	1,255,885		
10	Distribution Underground conduit and devices	367	1,153,168		
11	Distribution Line transformers	368	52,270,623		
12	Distribution Services	369	1,302,785		
13	Distribution Meters	370	7,442,069		
14	Distribution Installs on customer premises	371	208,972		
15	Distribution Street lighting and signal systems	373	95,834		
16	Total Distribution Plant		\$ 165,251,372	87.1486%	\$ 144,014,208
17	General Plant - Structures and Improvements	390	115,689		
18	General Plant - Office furniture and equipment	391	2,378,696		
19	General Plant - Tools, shop and garage equipm	394	(8,272)		
20	General Plant - Communication equipment	397	14,667,883		
21	Total General Plant		17,153,997	74.0412%	12,701,020
22	Total Gross Plant in Service		\$ 215,854,802		\$ 179,383,279
23					
24	<u>Accumulated Depreciation</u>				
25	Misc Intangible plant	303	\$ 32,430,895 [1]	67.9178%	\$ 22,026,348
26	Transmission Station Equip	353	100,830	59.6699%	60,165
27	Distribution - Structures and Improvements	361	538		
28	Distribution Station Equip	362	5,116,227		
29	Distribution Poles, Towers and Fixtures	364	8,899,986		
30	Distribution Overhead conductors and devices	365	16,239,559		
31	Distribution Underground conduit	366	210,526		
32	Distribution Underground conduit and devices	367	237,789		
33	Distribution Line transformers	368	11,025,311		
34	Distribution Services	369	203,307		
35	Distribution Meters	370	2,121,797		
36	Distribution Installs on customer premises	371	45,863		
37	Distribution Street lighting and signal systems	373	19,030		
38	Total Distribution Plant		\$ 44,119,932	87.1486%	\$ 38,449,890
39	General Plant - Structures and Improvements	390	16,957		
40	General Plant - Office furniture and equipment	391	997,619		
41	General Plant - Tools, shop and garage equipm	394	(598)		
42	General Plant - Communication equipment	397	3,876,029		
43	Total General Plant		4,890,008	74.0412%	3,620,619
44	Total Accumulated Depreciation		\$ 81,541,665		\$ 64,157,022
45					
46	<u>DSDR ADIT</u>				\$ 115,226,257
47	Intangible Plant related DSDR ADIT		\$ (4,115,856) [4]	67.9178%	\$ (2,795,399)
48	Transmission Plant related DSDR ADIT		(77,248.17) [4]	59.6699%	(46,094)
49	Distribution Plant related DSDR ADIT		(20,709,518.01) [4]	87.1486%	(18,048,049)
50	General Plant related DSDR ADIT		(2,149,761) [4]	74.0412%	(1,591,708)
51	Total DSDR ADIT		\$ (27,051,206) [3]		\$ (22,481,250)
52					
53	[1] Accounting Smartgrid Depreciation Schedule				
54	[2] NC-0601				
55	[3] Tax Cumulative ADIT file				
56	[4] DSDR ADIT is allocated across plant categories based on gross plant:				
57	Intangible plant	15%	Line 3 / Line 22		
58	Transmission Plant	0%	Line 4+5 / Line 22		
59	Distribution Plant	77%	Line 16 / Line 22		
60	General Plant	8%	Line 21 / Line 22		
61		100%			



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Line No.**DEP REPS Collection by Customer Class**

	<u>REPS Revenue</u>	<u>EMF</u>	<u>Total</u>
2			
3	Residential Certificates	\$ 15,088,846	\$ (6,682,636) \$ 8,406,210
4	Residential Incremental	456,674	(538,500) (81,825)
5	Commercial Certificates	18,209,488	(3,432,136) 14,777,352
6	Commercial Incremental	544,685	(273,868) 270,817
7	Industrial Certificates	1,204,275	35,725 1,240,000
8	Industrial Incremental	34,994	2,421 37,415
9	Street Lighting Certificates	80,372	(15,261) 65,111
10	Street Lighting Incremental	2,342	(1,220) 1,121
11	Public Authority Certificates	2,654	85 2,740
12	Public Authority Incremental	74	7 81
13		<u>\$ 35,624,403</u>	<u>\$ (10,905,381) \$ 24,719,022</u>

**REPS/RECs Expenses by FERC Account**

	<u>Description</u>	<u>Account</u>	<u>REPS</u>	<u>COS Adj</u>
16				
17	<b><u>Income Statement</u></b>			
18	REPS Rider NC Retail	0407350	\$ 1,547	\$ 1,547
19	REPS Rider NC Whse	0407351	-	-
20	REPS Rider NC Retail-Cert	0407352	23,391	23,391
21	REPS Rider NC Whse-Cert	0407353	-	-
22	Int Exp On Revenue Refunds	0431710	182	182
23	Other Electric Revenues	0456610	1,114	1,114
24	NC Amort of Retail REC Exp	0407450	(18,424)	(18,424)
25	NC Amort of Whse REC Exp	0407451	(26)	(26)
26	RECS Consumption Expense	0509213	18,451	18,424
27	Biogas Expense	0547106	582	433
28	REC Biogas Contra Expense	0547107	(333)	(333)
29	REC Biogas Contra Expense - SC	0547108	(3)	(3)

**Balance Sheet**

32	RECs - DE Carolinas - NC	0158120	\$ 120,429	
33	Prepaid Inv - Solar Recs	0165009	108	
34	REPS Incremental Costs	0182359	(2,911)	
35	NC Solar Amort & Returns	0182563	58	
36	Duke Generated REC Certificate	0182374	336	
37	NC Solar Rebate Program Costs	0182560	3,150	
38	NC REC Liability - Retail	0254250	(114,256)	
39	NC REC Liability - Whse	0254251	(31)	

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**Amounts Recovered through the Joint Agency Asset Rider**

Line No.	Description	Total Utility	[1]
1	<b>Rate Base</b>		
2	Net PPE (Acquired and Capital Additions) - Accounts 101 and 108		
3	Gross PPE (including acquisition adjustment)	\$ 1,254,033	
4	Accumulated Depreciation/Amortization	(153,714)	
5			
6	Nuclear Fuel & Dry Cask Storage - Accounts 120.2 - 120.55	44,473	
7	Materials and Supplies Inventory - Account 154.1	60,175	
8			
9	Deferred Taxes		
10	- Property - Account 190/282	(53,311)	
11	- Nuclear Fuel - Account 190/282	26	
12			
13	<b><u>JAAR Revenue included in Revenue Requirement *</u></b>		
14	General Plant Return-Account 0454510	\$ 2,619	
15	Dispatch Fee - Account 0456300	35	
16	Site Rep - Account 0456300	5	
17	Auxiliary Power - Account 0447150	502	
18	Return on coal inventory - Account 454XXX	84	
19	Total Test Period Revenue	<u>3,245</u>	
20			
21	<b><u>JAAR Operating Expenses included in Revenue Requirement **</u></b>		
22	O&M Expenses - Fossil - Accounts 0500-0514	\$ 5,953	
23	O&M Expenses - Nuclear - Accounts 0517-0532	66,259	
24	A&G Expenses - Account 929	<u>30,999</u>	
25	Total Test Period Expenses	<u>103,211</u>	
26			
27	<b><u>JAAR Payroll and Property Taxes included in Revenue Requirement</u></b>		
28	Payroll Tax - Account 0408151 & 0408152 **	\$ 3,380	
29	Property Taxes - Account 0408000	<u>6,087</u>	
30	Total Test Period Taxes	<u>9,467</u>	
31			
32	<b><u>JAAR Depreciation and Amortization Expense</u></b>		
33	Cost of Service-Amortization of Acquisition Premium	\$ 12,759	[2]
34	Annualized Depreciation expense amount NC-0800	32,092	[1]
35	Incremental amount for new depreciation rates in NC-1000	<u>1,162</u>	[1]
36	SubTotal Depreciation and Amortization Expense	<u>46,013</u>	
37	Nuclear decommissioning expenses - Account 0403800	<u>4,467</u>	[1]
38	Total Depreciation and Amortization Expense to remove	<u>50,480</u>	

[1] Compiled from JAAR filings

[2] E-1 Item 2, Trial Balance

\* These amounts represent revenue that would have been billed to PA under the OFA agreement. No revenue was actually billed during the test period.

\*\* These amounts represent expense reimbursement that would have been billed to PA under the OFA agreement. No expenses were billed during the test period.

Duke Energy Progress, LLC  
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Adjust O&M for executive compensation  
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NC-0700  
Narrative  
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#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro-forma adjusts operation and maintenance expense and income taxes for officers' compensation.

The impact to operation and maintenance expense is determined as follows:

Eliminate 50% of the compensation of the Chief Executive Officer (CEO), Chief Operating Officer (COO), Chief Financial Officer (CFO), Chief Legal Officer (CLO) and Customer and Delivery Operations and President, Carolinas Region allocated to Duke Energy Progress in the test period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust O&M for executive compensation  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0700  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.	NC-0701	(2,399)
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-0701	556
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(1,843)
18			
19	Operating income	L4 - L17	\$ 1,843
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		

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Line No.	Description	CEO and Other Group Execs
1		
2		
3	Compensation charged to Duke Energy Progress - 12 Months Ended December 31, 2018	\$ 7,246 [1]
4		
5	Compensation charged to A&G	\$ 7,246 [1]
6		
7		
8	NC Retail Allocation Factor - Wage and Salary Related Items	66.2120% [2]
9	NC retail compensation (L5 x L8)	\$ 4,798
10	Exclusion percentage	50.00% [3]
11	Impact to O&M (-L9 x L10)	\$ (2,399)
12		
13	Statutory tax rate	23.1693% [4]
14		
15	Impact to income taxes (-L11 x L13)	\$ 556
16		
17	Impact to operating income (-L11 - L15)	\$ 1,843

[1] Information provided by Duke Energy Corporate Accounting

[2] NC Retail Allocation Factor - LAB

[3] The percentage of compensation for the top five executive's compensation to be eliminated from the test year.

[4] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Annualize Depreciation on year end plant balances  
For the test period ended December 31, 2018

NC-0800  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro-forma annualizes depreciation expense, income taxes, amortization of investment tax credit and accumulated depreciation to reflect a full year's level of depreciation on plant in service as of the end of the test period.

The impact to depreciation expense is determined by multiplying current depreciation rates times the level of plant in service as of the end of the test period and then subtracting actual depreciation expense booked during the test period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

The impact to amortization of investment tax credit reflects the difference between actual amortization booked during the test period and the new annual level of amortization based on the new depreciation study.

The impact to accumulated depreciation reflects one year's worth of the depreciation expense adjustment.



Duke Energy Progress, LLC  
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Annualize Depreciation on year end plant balances  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-0800  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b>Pro Formas Impacting Income Statement Line Items</b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.		-
11	Depreciation and amortization	NC-0801	42,068
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-0801	(9,747)
15	Amortization of investment tax credit	NC-0801	(1,481)
16			
17	Total electric operating expenses	Sum L6 through L15	30,841
18			
19	Operating income	L4 - L17	\$ (30,841)
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b>Pro Formas Impacting Rate Base Line Items</b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35	Plant held for future use		-
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40	Customer deposits		-
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ -
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

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Annualize Depreciation on year end plant balances  
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(Dollars in thousands)

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Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
1	<u>Depreciation and amortization</u>			
2	Production (NC-0802 Col E; Lines 7, 13, 19, 27) - L3 - L4	\$ 63,804	61.5278% [1]	\$ 39,257
3	Production Direct assigned to NC (NC-0802 Col E; Lines 4, 6, 26)	158	100.0000%	158
4	Production Direct assigned to SC (NC-0802 Col E; Lines 5, 12, 18, 25)	11,672	0.0000%	-
5	Transmission (NC-0802 Col E; Line 35) - L6 - L7 - L8	2,758	59.6699% [2]	1,646
6	Transmission Direct assigned to NC (NC-0802 Col E; Line 32)	(86)	100.0000%	(86)
7	Transmission Direct assigned to SC (NC-0802 Col E; Line 33)	507	0.0000%	-
8	Transmission Direct assigned to Wholesale (NC-0802 Col E; Line 34)	(7)	0.0000%	-
9	Distribution (NC-0802 Col E; Line 43) - L10 - L11 - L12	(2,752)	87.1486% [3]	(2,398)
10	Distribution Direct assigned to NC (NC-0802 Col E; Line 40)	(1,043)	100.0000%	(1,043)
11	Distribution Direct assigned to SC (NC-0802 Col E; Line 41)	(5,827)	0.0000%	-
12	Distribution Direct assigned to Wholesale (NC-0802 Col E; Line 42)	(0)	0.0000%	-
13	General (NC-0802 Col E; Line 59) - L14 - L15	5,232	74.0412% [4]	3,874
14	General Direct assigned to SC (NC-0802 Col E; Line 58)	869	0.0000%	-
15	General Direct assigned to Wholesale (NC-0802 Col E; Line 56)	(1)	0.0000%	-
16	Intangible (NC-0802 Col E; Line 65)	(0)	67.9178% [5]	(0)
17	Adjust to depreciation and amortization (Sum L2 through L16)	<u>\$ 75,284</u>		<u>\$ 41,407</u>
18				
19	Adjust to deprec. and amort. for costs recovered in riders	\$ 1,074	61.5278% [1]	\$ 661
20				
21	Impact to depreciation and amortization (L17 + L19)	<u>\$ 76,358</u>		<u>\$ 42,068</u>
22				
23	Statutory tax rate	23.1693% [6]		23.1693% [6]
24				
25	Impact to income taxes (-L21 x L23)	<u>\$ (17,692)</u>		<u>\$ (9,747)</u>
26				
27	<u>Amortization of investment tax credit</u>			
28	Investment tax credit 2018	\$ (3,356) [7]		
29	Estimated annual investment tax credit	(5,583) [7]		
30	Impact to amortization of investment tax credit - variance (-L28 + L29)	<u>\$ (2,227)</u>		<u>\$ (1,481) [7]</u>
31				
32	Impact to operating income (-L21 - L25 - L30)	<u>\$ (56,440)</u>		<u>\$ (30,841)</u>

[1] NC Retail Allocation Factor - DPALL

[2] NC Retail Allocation Factor - DTALL

[3] NC Retail Allocation Factor - RB PLT O DI

[4] NC Retail Allocation Factor - RB PLT O GN

[5] NC Retail Allocation Factor - PTDG

[6] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

[7] NC-0803 - Amortization of investment tax credit

Note: Totals may not foot due to rounding

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Annualize Depreciation on year end plant balances  
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Adjustment of Depreciation Expense to Reflect Plant in Service for 12 Months Ended December 31 2018

Line No.	Function	(A) Gross Plant in Service 12/31/2018	(B) Depr Rate	(C) Current Rates Calculated Accrual	(D) Actual 12ME Depr Booked	(E) Difference
1	STEAM: [1]					
2	STEAM PLANT (excluding Clean Air Facilities 312.10)	\$ 4,009,158,561	3.75%	\$ 150,343,446	\$ 136,632,876	\$ 13,710,570
3	LAND RIGHTS - STEAM	32,975,133	0.30%	98,925	83,894	15,032
4	NC DEFERRALS - STEAM	-	3.75%	-	(164,036)	164,036
5	SC DEFERRALS - STEAM	-	3.75%	-	(3,218,645)	3,218,645
6	NC MPAIRMENT - STEAM	(10,393,000)	3.75%	(389,738)	(391,224)	1,487
7		\$ 4,031,740,694		\$ 150,052,634	\$ 132,942,865	\$ 17,109,769
8						
9	NUCLEAR: [1]					
10	NUCLEAR PLANT	\$ 9,764,139,291	2.80%	\$ 273,395,900	\$ 240,099,799	\$ 33,296,101
11	LAND RIGHTS - NUCLEAR	74,482,903	1.20%	893,795	670,849	222,946
12	SC DEFERRALS - NUCLEAR	-	2.80%	-	(3,784,167)	3,784,167
13		\$ 9,838,622,194		\$ 274,289,695	\$ 236,986,481	\$ 37,303,214
14						
15	HYDRO: [1]					
16	HYDRAULIC PLANT	\$ 141,110,321	3.47%	\$ 4,896,528	\$ 4,619,553	\$ 276,975
17	LAND RIGHTS - HYDRO	2,828,917	2.52%	71,289	3,737	67,551
18	SC DEFERRALS - HYDRO	-	3.47%	-	(64,917)	64,917
19		\$ 143,939,238		\$ 4,967,817	\$ 4,558,374	\$ 409,443
20						
21	OTHER PRODUCTION: [1]					
22	OTHER (CT's)	\$ 2,935,214,770	4.46%	\$ 130,984,982	\$ 115,791,041	\$ 15,193,941
23	OTHER (CT's Land)	10,002,051	2.65%	265,054	126,537	138,517
24	OTHER (SOLAR)	192,220,870	5.15%	9,903,296	9,021,078	882,218
25	SC DEFERRALS - OTHER	-	4.46%	-	(4,604,333)	4,604,333
26	NC MPAIRMENT - OTHER	(639,277)	4.46%	(28,528)	(20,929)	(7,599)
27		\$ 3,136,798,414		\$ 141,124,804	\$ 120,313,393	\$ 20,811,412
28						
29	TRANSMISSION: [1]					
30	TRANSMISSION OTHER	\$ 2,558,664,776	1.90%	\$ 48,614,631	\$ 46,007,161	\$ 2,607,470
31	TRANSMISSION RIGHT OF WAY	195,626,597	1.15%	2,249,706	2,099,248	150,458
32	NC DEFERRALS - TRANSMISSION	-	1.90%	-	86,091	(86,091)
33	SC DEFERRALS - TRANSMISSION	-	1.90%	-	(506,930)	506,930
34	OATT CONTRA	(4,948,324)	1.90%	(94,018)	(87,113)	(6,905)
35		\$ 2,749,343,049		\$ 50,770,318	\$ 47,598,456	\$ 3,171,862
36						
37	DISTRIBUTION: [1]					
38	DISTRIBUTION OTHER	\$ 6,869,446,272	2.50%	\$ 171,736,157	\$ 175,022,852	\$ (3,286,695)
39	DISTRIBUTION RIGHT OF WAY	75,442,609	1.28%	965,665	430,943	534,722
40	NC DEFERRALS - DISTR BUTION	-	2.50%	-	1,043,015	(1,043,015)
41	SC DEFERRALS - DISTRIBUTION	-	2.50%	-	5,826,956	(5,826,956)
42	OATT CONTRA	(121,924)	2.50%	(3,048)	(2,700)	(348)
43		\$ 6,944,766,956		\$ 172,698,774	\$ 182,321,067	\$ (9,622,293)
44						
45	GENERAL: [1]					
46	LAND AND LAND RIGHTS	\$ 8,184,032	0.00%	\$ -	\$ 28,317	\$ (28,317)
47	STRUCTURES AND IMPROVEMENTS	155,760,504	2.42%	3,769,404	3,816,712	(47,308)
48	FURNITURE AND EQPMT	25,103,166	5.00%	1,255,158	1,346,267	(91,109)
49	EDP EQUIPMENT	61,610,744	12.50%	7,701,343	4,523,356	3,177,987
50	TRANSPORTATION EQUIPMENT [2]	69,975,818	10.29%	-	-	-
51	STORES EQUIPMENT	2,059,933	5.00%	102,997	125,933	(22,936)
52	TOOLS, SHOPS & GARAGE EQPMT	90,247,659	5.00%	4,512,383	3,688,128	824,255
53	LABORATORY EQUIPMENT	6,739,789	6.67%	449,544	485,500	(35,956)
54	POWER OPERATED EQUIPMENT	5,813,191	5.99%	348,210	492,453	(144,243)
55	COMMUNICATION EQUIPMENT	180,187,586	5.00%	9,009,379	7,428,901	1,580,478
56	OATT CONTRA - COMM EQUIP	(133,505)	5.00%	(6,675)	(5,882)	(794)
57	MISCELLANEOUS EQUIPMENT	23,064,322	5.00%	1,153,216	1,133,737	19,479
58	SC DEFERRALS - GENERAL	-	-	-	(869,299)	869,299
59		\$ 628,613,238		\$ 28,294,959	\$ 22,194,124	\$ 6,100,835
60						
61	INTANGIBLE [3]					
62	ORGANIZATION	\$ 717,237	0.00%	\$ -	\$ -	\$ -
63	FRANCHISES AND CONSENTS	59,871,453	various	2,644,321	2,644,321	(0)
64	MISC INTANGIBLE PLT	466,781,700	various	39,445,452	39,445,452	(0)
65		\$ 527,370,391		\$ 42,089,773	\$ 42,089,773	\$ (0)
66						
67	TOTAL PLANT-IN-SERVICE	\$ 28,001,194,174		\$ 864,288,775	\$ 789,004,532	\$ 75,284,243

[1]: The amounts above are shown at Gross Plant in Service Costs. Contra AFUDC has been added back to PowerPlant dollars through the on top in account 101000 at C and the Contra AFUDC depreciation expense that is calculated in 403002 is offset by including Contra AFUDC Offset depreciation groups at E.

[2]: Depreciation expense on Vehicles and Construction Equipment are recorded to 803 accounts, rather than 403/404 accounts. Therefore the depreciation expense associated with these assets is excluded from the schedule above.

[3]: Totals may not foot due to rounding

Note 4: Some assets within Misc Intangible Plt are fully amortized and no longer accrue any expense

Note 5: Land, Land Rights and Rights of Way noted separately from the rest of Electric Plant in Service above. Land is not a depreciable asset while Land Rights and R/W are depreciable.

Note 6: The calculated accrual column above assumes 12 months of depreciation. If any assets were added during the 12 month period, depreciation would be calculated based on the in-service date in the actual 12me depr booked column above.

Source Duke Energy Progress - Asset Accounting

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Amortization of investment tax credit [1]

Line No.	Description	A Test Year [2]	B Adjusted	B - A Adjustment	NC Retail Allocation	Total NC Retail
1	Production-Gross	\$ (2,572,627)	\$ (4,083,874)	\$ (1,511,247)	61.5278% [3]	\$ (929,837)
2	Transmission	(275,392)	(531,270)	(255,878)	59.6699% [4]	(152,682)
3	Distribution	(413,806)	(852,207)	(438,401)	87.1486% [5]	(382,060)
4	General	(93,835)	(115,397)	(21,562)	74.0412% [6]	(15,965)
5	Total [L1 through L4]	<u>\$ (3,355,660)</u>	<u>\$ (5,582,749)</u>	<u>\$ (2,227,089)</u>		<u>\$ (1,480,545)</u>

[1] Information provided by Duke Energy Tax Department

[2] E-1 Item 2 - Working Trial Balance - Account 0411410

[3] NC Retail Allocation Factor - DPALL

[4] NC Retail Allocation Factor - DTALL

[5] NC Retail Allocation Factor - RB PLT O DI

[6] NC Retail Allocation Factor - RB PLT O GN

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Adjustment to Annualize Depreciation Expense at December 31, 2018 - Costs recovered through riders

Line No.	Function	Plant in Service 12/31/2018 [1]	Depr Rate [1]	Current Rates Calculated Accrual	Actual 12ME Depr Booked [1]	Difference	Adjustment
1	Steam 312 - SCR Catalyst	\$ 40,770,378	4.08%	\$ 1,663,431	\$ 2,737,650	\$ (1,074,218)	\$ 1,074,218 [2]
2							
3		\$ 40,770,378		\$ 1,663,431	\$ 2,737,650	\$ (1,074,218)	\$ 1,074,218

[1] NC-2602 - Comparison of Current And Proposed Depreciation Parameters, Rates and Accruals

[2] Per NC-0201, SCR catalyst depreciation expense is included in the fuel clause and should be excluded for purposes of his analysis.

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E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro-forma annualizes general taxes and income taxes to reflect an annual level of expense for property taxes based on the end of the test period level of plant investment.

The impact to general taxes is determined by calculating an annual level of property tax expense equal to estimated annualized property tax less property taxes booked during the test period.

The impact to income taxes was determined by multiplying taxable income by the tax rate.



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Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.		-
11	Depreciation and amortization		-
12	General taxes	NC-0901 L41	4,064
13	Interest on customer deposits		-
14	Income taxes	NC-0901 L44	(942)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L6 through L15	<u>3,122</u>
18			
19	Operating income	L4 - L17	<u>\$ (3,122)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		

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OCT 30 2019

Line

No.	Description	NC	SC	
	<u>12/31/2017 System Balances Subject to Property Tax</u>			
1	EPIS (101, 102 and 106 excl 101.1)	27,104,489,894	27,104,489,894	[1]
2	Less: Asset Retirement Obligation	(1,626,584,414)	(1,626,584,414)	[1]
3	Prop Under Capital Lease (101.1)	139,410,389	139,410,389	[1]
4	PHFFU (105)	46,711,200	46,711,200	[1]
5	CWIP (107)	1,422,282,356	-	[1]
6	Acquisition Adj (114)	349,801,943	349,801,943	[1]
7	Sub-Total Utility Plant (L1 through L6)	27,436,111,368	26,013,829,012	
8				
9	Net Nuclear Fuel (120.1-5)	728,705,601	-	[1]
10	Fuel Stock (151)	242,760,870	-	[1]
11	Materials & Supplies (154)	739,132,797	100,935,370	[1]
12	M & S Burdens (163)	35,393,695	-	[1]
13	Taxable Plant (L7 through L12)	29,182,104,331	26,114,764,382	
14				
15	2018 Property Tax Expense Paid	64,633,418	36,849,781	[2]
16	Average Property Tax Rate (L15/L13)	0.22148%	0.14111%	
17				
18	<u>12/31/2018 Balances</u>			
19	EPIS (101, 102 and 106 excl 101.1)	28,764,483,116	28,764,483,116	[3]
20	Less: Asset Retirement Obligation	(1,715,429,015)	(1,715,429,015)	[3]
21	Prop Under Capital Lease (101.1)	136,522,508	136,522,508	[3]
22	Held for Future Use (105)	36,972,974	36,972,974	[3]
23	CWIP (107)	1,665,669,162	-	[3]
24	Acquisition Adj (114)	349,801,943	349,801,943	[3]
25	Sub-Total Utility Plant (L19 through L24)	29,238,020,688	27,572,351,526	
26				
27	Net Nuclear Fuel (120.1-5)	701,914,252	-	[3]
28	Fuel Stock (151)	220,024,307	-	[3]
29	Materials & Supplies (154)	700,609,218	95,674,622	[3]
30	M & S Burdens (163)	33,384,627	-	[3]
31	Property Subject to Property Tax (L25 through L30)	30,893,953,092	27,668,026,148	
32				
33	Average Property Tax Rate (L16)	0.22148%	0.14111%	
34	Annualized Property Tax Expense (L31 X L33)	68,424,873	39,041,544	
35				
36	Test Year Property Tax Expense (excluding deferrals)	64,633,418	36,849,781	[4]
37	Property Tax Expense Adjustment (L34-L36)	3,791,455	2,191,762	
38				
39	Total Property Tax Adjustment (L37 NC plus SC)	5,983,217		
40	NC Retail Allocation factor	67.9178%		[5]
41	NC Property Tax Adjustment (L39 X L40)	4,063,669		
42				
43	Statutory tax rate	23.1693%		[6]
44	Impact to income tax (-L41 x L54)	\$ (941,524)		
45	Impact to operating income (-L41 - L44)	\$ (3,122,145)		

[1] 12/31/17 FERC Form 1 Balance Sheet

[2] 2018 Property Taxes paid

[3] 12/31/18 FERC Form 1 Balance Sheet

[4] Line 15

[5] NC Retail Allocation Factor - PTDG

[6] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
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 Adjust for post test year additions to plant in service  
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#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma adjusts depreciation expense, general taxes, income taxes, electric plant in service, accumulated depreciation, working capital investment, accumulated deferred income taxes and construction work in progress to reflect net additions to plant in service.

#### The impact to operating income is determined as follows:

The adjustment to depreciation expense reflects a full year's level of depreciation on net additions to plant in service by multiplying the projected additions to net electric plant by depreciation rates based on the new depreciation study.

The adjustment to general taxes reflects estimated annual property tax expense related to the net additions to plant in service. Property taxes are estimated by multiplying the projected net additions to electric plant by a combined North Carolina and South Carolina property tax rate.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

#### The impact to rate base is determined as follows:

The adjustment to electric plant in service reflects projected updates to electric plant in service through February 2020.

The adjustment to accumulated depreciation reflects projected updates to the accumulated depreciation balance through February 2020 and annualized depreciation expense based on forecasted February 2020 electric plant in service balances.

The adjustment to working capital investments reflects projected updates to the unrecovered net book value of retired meters regulatory asset through February 2020.

The adjustment to accumulated deferred income taxes reflects the impacts of projected bonus depreciation on gross plant additions through February 2020.

The adjustment to construction work in progress is to remove the balance related to Asheville CC that was included in rate base in the last rate case. Asheville CC is forecasted to go in service during the capital cutoff period.

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Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense		-
11	Depreciation and amortization	NC-1001	70,469
12	General taxes	NC-1001	6,600
13	Interest on customer deposits		-
14	Income taxes	NC-1001	(17,857)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	59,213
18			
19	Operating income	L4 - L17	<u>\$ (59,213)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service	NC-1001	\$ 1,845,936
29	Accumulated depreciation and amortization	NC-1001	(383,473)
30	Electric plant in service, net	Sum L28 through L29	<u>\$ 1,462,463</u>
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment	NC-1001	(1,458)
35			-
36			
37	Less:		
38	Accumulated deferred taxes	NC-1001	(31,249)
39	Operating reserves		-
40			-
41			
42	Construction work in progress	NC-1001	<u>(102,930)</u>
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ 1,326,826</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

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Line No.	Description	Electric Plant	Depr Rate	Depr.	Total System	NC Retail Allocation	Total NC Retail
1	<u>Impact to Rate Base Line items</u>						
2	<u>Total net additions to electric plant:</u>						
3	Fossil	\$ 280,145	[1]	5.33% [2]	\$ 14,932		
4	Nuclear	337,604	[1]	3.31% [2]	11,175		
5	Hydro	8,654	[1]	3.70% [2]	320		
6	Other Production	770,853	[1]	5.08% [2]	39,159		
7	Transmission	282,902	[1]	2.23% [2]	6,309		
8	Distribution	840,846	[1]	2.44% [2]	20,517		
9	General	79,761	[1]	5.74% [2]	4,578		
10	Intangible	37,410	[1]	20.00% [13]	7,482		
11	Total net additions to depreciable electric plant (L3 through L10)	<u>\$ 2,638,175</u>		<u>#####</u>			
12							
13	<u>Summary of impacts to rate base</u>						
14	<u>Net additions to total electric plant in service:</u>						
15	Production Plant				\$ 1,396,311 [1]	61.5278% [4]	\$ 859,119
16	Production Direct Assignments - NC				760 [1]	100.0000%	760
17	Direct Assignments - SC				91 [1]	0.0000%	-
18	Direct Assignments - WHS				94 [1]	0.0000%	-
19	Transmission plant				282,902 [1]	59.6699% [5]	168,808
20	Distribution plant				840,846 [1]	87.1486% [6]	732,785
21	General plant				79,761 [1]	74.0412% [7]	59,056
22	Intangible plant				37,410 [1]	67.9178% [8]	25,408
23	Impact to electric plant in service (Sum L15 through L22)				<u>\$ 2,638,174</u>		<u>\$ 1,845,936</u>
24							
25	<u>Accumulated depreciation &amp; amortization:</u>						
26	Production Plant				\$ (360,690) [3]	61.5278% [4]	\$ (221,925)
27	Production Direct Assignments - NC				27,219 [3]	100.0000%	27,219
28	Direct Assignments - SC				4,165 [3]	0.0000%	-
29	Direct Assignments - WHS				2,606 [3]	0.0000%	-
30	Transmission				(22,466) [3]	59.6699% [5]	(13,405)
31	Distribution				(130,058) [3]	87.1486% [6]	(113,343)
32	General				27,700 [3]	74.0412% [7]	20,509
33	Intangible				(56,278) [3]	67.9178% [8]	(38,223)
34	Adjustment to accumulated depreciation & amortization (Sum L26 through L33)				<u>\$ (507,803)</u>		<u>\$ (339,169)</u>
35	Additional adjustment for Feb. 29, 2020 annualization				<u>\$ (66,419) [14]</u>		<u>\$ (44,304) [14]</u>
36	Impact to accumulated depreciation and amortization (L34 + L35)				<u>\$ (574,222)</u>		<u>\$ (383,473)</u>
37							
38	<u>Net electric plant:</u>						
39	Production (L15 + L26)				\$ 1,035,620		\$ 637,194
40	Direct Assignments - NC (L16 + L27)				27,979		27,979
41	Direct Assignments - SC (L17 + L28)				4,256		-
42	Direct Assignments - WHS (L18 + L29)				2,699		-
43	Transmission (L19 + L30)				260,437		155,402
44	Distribution (L20 + L31)				710,789		619,442
45	General (L21 + L32)				107,460		79,565
46	Intangible (L22 + L33)				(18,869)		(12,815)
47	Adjustment to net plant (Sum L39 through L46)				<u>\$ 2,130,371</u>		<u>\$ 1,506,767</u>
48	Additional adjustment for Feb. 29, 2020 annualization				<u>\$ (66,419) [14]</u>		<u>\$ (44,304) [14]</u>
49	Total net plant (L47 + L48)				<u>\$ 2,063,952</u>		<u>\$ 1,462,463</u>
50							
51	<u>Working capital investment:</u>						
52	Net change in NC Unrecovered NBV of Retired Meters				\$ (1,458) [15]		\$ (1,458) [15]
53	Impact to working capital investment (L52)				<u>\$ (1,458)</u>		<u>\$ (1,458)</u>
54							
55	<u>Accumulated deferred income tax:</u>						
56	<u>Resulting from additional bonus depreciation:</u>						
57	Production				\$ (36,264) [9]	61.5278% [4]	\$ (22,312)
58	Transmission				(2,067) [9]	59.6699% [5]	(1,233)
59	Distribution				(7,417) [9]	87.1486% [6]	(6,464)
60	General				(1,878) [9]	74.0412% [7]	(1,390)
61	Intangible				(276) [9]	67.9178% [8]	(187)
62	Adjustment resulting from additional bonus depreciation (Sum L57 through L61)				<u>\$ (47,901)</u>		<u>\$ (31,587)</u>
63	Adjustment resulting from Meter working capital investment				<u>\$ 338 [15]</u>		<u>\$ 338 [15]</u>
64	Impact to accumulated deferred income tax (L62 + L63)				<u>\$ (47,563)</u>		<u>\$ (31,249)</u>
65							
66	<u>Construction work in progress:</u>						
67	Remove Asheville CW P in rate base				\$ (169,850) [16]		\$ (102,930) [16]
68	Impact to construction work in progress				<u>\$ (169,850)</u>		<u>\$ (102,930)</u>
69							
70	Impact to rate base (L49 + L53 + L64 + L68)				<u>\$ 1,845,082</u>		<u>\$ 1,326,826</u>

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Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
71	<u>Impact to Income Statement Line items</u>			
72	<u>Depreciation and amortization:</u>			
73	Production (Sum L3 through L6)	\$ 65,586	61.5278% [4]	\$ 40,354
74	Transmission (L7)	6,309	59.6699% [5]	3,764
75	Distribution (L8)	20,517	87.1486% [6]	17,880
76	General (L9)	4,578	74.0412% [7]	3,390
77	Intangible (L10)	7,482	67.9178% [8]	5,082
78	Impact to depreciation and amortization (Sum L73 through L77)	<u>\$ 104,471</u>		<u>\$ 70,469</u>
79				
80	<u>General taxes:</u>			
81	Average property tax rate - North Carolina	0.22148% [10]		
82	Average property tax rate - South Carolina	0.14111% [10]		
83	Average property tax rate-Combined NC and SC (L81 + L82)	<u>0.36259%</u>		
84				
85	Production - Excluding Solar (((Sum L3 through Sum L6) - NC-1008 Line 39) x L83)	\$ 5,066	61.5278% [4]	\$ 3,117
86	Production - Solar	- [12]	61.5278% [4]	-
87	Transmission (L7 x L83)	1,026	59.6699% [5]	612
88	Distribution (L8 x L83)	3,049	87.1486% [6]	2,657
89	General (L9 x L83)	289	74.0412% [7]	214
90	Impact to general taxes (Sum L85 through L89)	<u>\$ 9,430</u>		<u>\$ 6,600</u>
91				
92	Taxable income (-L78 - L90)	\$ (113,902)		\$ (77,070)
93	Statutory tax rate	23.1693% [11]		23.1693% [11]
94	Impact to income taxes (L92 x L93)	<u>\$ (26,390)</u>		<u>\$ (17,857)</u>
95				
96	Impact to operating income (L92 - L94)	<u>\$ (87,511)</u>		<u>\$ (59,213)</u>

[1] NC-1002 - Net Plant Adds

[2] NC-2602 - Comparison of Current and Proposed Depreciation as of December 31, 2018, Proposed Rate Column

[3] NC-1003 - Accumulated Depreciation

[4] Allocation Factor - DPALL

[5] Allocation Factor - DTALL

[6] Allocation Factor - RB PLT O DI

[7] Allocation Factor - RB PLT O GN

[8] Allocation Factor - PTDG

[9] NC-1004 - Accumulated Deferred Income Taxes Calculation

[10] NC-0901 - Annualize property taxes on year end plant balances, Line 16

[11] NC-0104 - 2019 Calculation of Tax Rates - Composite Tax Rate, Line 10

[12] NC-1008 - Plant in Service Balances - Solar additions are included at 20% of total based on property tax exclusion for solar assets per Duke Energy Carolinas Tax Department.

[13] An estimated 5 year depreciable life is used for Intangible additions to plant.

[14] NC-1006 - Accumulated Depreciation Annualization Adjustment

[15] NC-1005 - NC Unrecovered Net Book Value of Retired Meters, Line 24 and Line 28

[16] NC-1011 - Adjust for Asheville base load CW P - Docket No. E-2, Sub 1142



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Net Plant Adds

Line No.	Item	Total System		Total Adjusted Net Change Plant in Service
		Forecasted [1] Net Change through 2/29/2020	Adjustments	
1	<u>Electric Plant in Service:</u>			
2	Steam plant	\$ 283,361	\$ (3,216) [2]	\$ 280,145
3	Nuclear plant	387,795	(50,191) [2]	337,604
4	Hydro plant	8,654		8,654
5	Other production plant	770,853		770,853
6	Transmission plant	282,902	- [3]	282,902
7	Distribution plant	852,528	(11,682) [3]	840,846
8	General plant	83,799	(4,038) [3]	79,761
9	Intangible plant	37,715	(305) [3]	37,410
10	Total Electric Plant in Service (Sum L2 through L9)	\$ 2,707,607	\$ (69,432)	\$ 2,638,175
11				
12	<u>COS Electric Plant in Service</u>			
13	Production Plant	\$ 1,449,719	\$ (53,408) [2]	\$ 1,396,311
14	Direct Assignments - NC	760		760
15	Direct Assignments - SC	91		91
16	Direct Assignments - WHS	94		94
17	Transmission plant	282,902	- [3]	282,902
18	Distribution plant	852,528	(11,682) [3]	840,846
19	General plant	83,799	(4,038) [3]	79,761
20	Intangible plant	37,715	(305) [3]	37,410
21	Total COS Electric Plant in Service (Sum L13 through L20)	\$ 2,707,607	\$ (69,433)	\$ 2,638,174
22				
23	<u>Electric Plant in Service recovered in riders included above:</u>			
24	JAAR - Steam plant	\$ 3,216	\$ 3,216 [2]	
25	JAAR - Nuclear plant	50,191	50,191 [2]	
26	JAAR - Acquisition Adjustment	0	0 [2]	
27	DSDR - Transmission	-	- [3]	
28	DSDR - Distribution	11,682	11,682 [3]	
29	DSDR - General plant	4,038	4,038 [3]	
30	DSDR - Intangibles	305	305 [3]	
31	Total EPIS recovered in riders (Sum L24 through L29)	\$ 69,433	\$ 69,433	

[1] NC-1008 - Plant in Service Balances

[2] Amounts related to balances forecasted to flow through the JAAR and should be excluded for purposes of this analysis.

[3] Amounts related to balances forecasted to flow through the DSDR rider and should be excluded for purposes of this analysis.

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Accumulated Depreciation

Line No.	Item	Total System		Total Adjusted Net Change Accumulated Depreciation
		Forecasted [1] Net Change through 2/29/2020	Adjustments	
1	<u>COS Accumulated Depreciation:</u>			
2	Production Plant	\$ (414,606)	53,916 [2]	\$ (360,690)
3	Direct Assignments - NC	27,219		27,219
4	Direct Assignments - SC	4,165		4,165
5	Direct Assignments - WHS	2,606		2,606
6	Transmission plant	(22,479)	13 [3]	(22,466)
7	Distribution plant	(135,231)	5,174 [3]	(130,058)
8	General plant	26,591	1,109 [3]	27,700
9	Intangible plant	(56,668)	390 [3]	(56,278)
10	Total COS Accumulated Depreciation (Sum L2 through L9)	\$ (568,404)	\$ 60,601	\$ (507,803)
11				
12	<u>Accumulated Depreciation recovered in riders included above:</u>			
13	JAAR - Steam plant	\$ (6,052)	\$ (6,052) [2]	
14	JAAR - Nuclear plant	(32,978)	(32,978) [2]	
15	JAAR - Acquisition Adjustment	(14,885)	(14,885) [2]	
16	DSDR - Transmission	(13)	(13) [3]	
17	DSDR - Distribution	(5,174)	(5,174) [3]	
18	DSDR - General plant	(1,109)	(1,109) [3]	
19	DSDR - Intangibles	(390)	(390) [3]	
20	Total Accum Depr recovered in riders (Sum L13 through L19)	\$ (60,601)	\$ (60,601)	

[1] NC-1009 - Accumulated Depreciation Balances

[2] Amounts related to balances forecasted to flow through the JAAR and should be excluded for purposes of this analysis.

[3] Amounts related to balances forecasted to flow through the DSDR rider and should be excluded for purposes of this analysis.

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Accumulated Deferred Income Taxes Calculation

Line No.	Item	Total System Forecasted Bonus Depreciation through 2/29/2020	
1	<u>Bonus Depreciation</u>		
2	Steam plant	\$ 14,187	[1]
3	Nuclear plant	49,648	[1]
4	Hydro plant	1,482	[1]
5	Other production plant	91,200	[1]
6	Transmission plant	8,922	[1]
7	Distribution plant	32,011	[1]
8	General plant	8,104	[1]
9	Intangible plant	1,190	[1]
10	Total Accumulated Depreciation (Sum L2 through L9)	\$ 206,744	
11			
12	Statutory tax rate	23.1693%	[2]
13			
14	<u>Accumulated deferred income taxes (resulting from additional bonus depreciation):</u>		
15	Steam plant (-L2 x L12)	\$ (3,287)	
16	Nuclear plant (-L3 x L12)	(11,503)	
17	Hydro plant (-L4 x L12)	(343)	
18	Other production plant (-L5 x L12)	(21,130)	
19	Transmission plant (-L6 x L12)	(2,067)	
20	Distribution plant (-L7 x L12)	(7,417)	
21	General plant (-L8 x L12)	(1,878)	
22	Intangible plant (-L9 x L12)	(276)	
23	Impact to accumulated deferred income taxes (Sum L15 through L22)	\$ (47,901)	

[1] Forecasted amounts provided by Duke Energy Carolinas - Tax Department

[2] NC-0104 - 2019 Calculation of Tax Rates - Composite Tax Rate, Line 10

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NC Unrecovered Net Book Value of Retired Meters

Line No.	Description	Total NC Retail
1	<u>NC Unrecovered NBV of Retired Meter Reg Asset Balance:</u>	
2	Dec 2018	\$ 11,503,875 [1]
3	Jan 2019	11,503,875 [1]
4	Feb 2019	11,503,875 [1]
5	Mar 2019	17,441,466 [1]
6	Apr 2019	17,441,466 [1]
7	May 2019	17,441,466 [1]
8	Jun 2019	21,619,389 [1]
9	Jul 2019	
10	Aug 2019	
11	Sep 2019	
12	Oct 2019	
13	Nov 2019	
14	Dec 2019	
15	Jan 2020	
16	Feb 2020 (L2 - (L23 * 14)	10,046,370
17		
18	Amortization period per 2016 Depreciation Study - Months (10 yrs x 12)	120 [2]
19		
20	Date new depreciation rates effective	3/16/2018
21	Number of periods left to amortize at 12/31/2018 (L18 - 9.5)	110.5
22		
23	Monthly amortization based on regulatory asset balance at 12/31/2018 ((L2 / L21)	\$ 104,107
24		
25	Forecasted net change through 02/29/2020 (L15 - L2)	<u>(1,457,504)</u>
26		
27	Statutory tax rate	23.1693% [3]
28		
29	Impact to accumulated deferred income taxes (-L25 x L27)	<u>\$ 337,694</u>

[1] Actual amounts provided by Duke Energy Progress - Asset Accounting

[2] Remaining life of Meters to be replaced during the AMI deployment settled in the 2016 Depreciation Study

[3] NC-0104 - 2019 Calculation of Tax Rates - Composite Tax Rate, Line 10

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Accumulated Depreciation Annualization Adjustment

Line No.	Item	Total System	Adjustments	Total Adjusted System	NC Retail Allocation	Total NC Retail
1	<u>Accumulated Depreciation</u>					
2	Production (Line 5 + Line 9 + Line 13 + Line 19) - L3	\$ (51,832) [1]	\$ 664 [2]	\$ (51,168)	61.5278% [4]	\$ (31,483)
3	Production Direct assigned to NC (Line 4 + Line 18)	(18) [1]		(18)	100.0000%	(18)
4	Transmission (Line 25) - L5	(3,559) [1]	-	(3,559)	59.6699% [5]	(2,124)
5	Transmission Direct assigned to Wholesale (Line 24)	5 [1]		5	0.0000%	-
6	Distribution (Line 31) - L7	(15,600) [1]	97	(15,503)	87.1486% [6]	(13,511)
7	Distribution Direct assigned to Wholesale (Line 30)	0 [1]		0	0.0000%	-
8	General (Line 46) - L9	3,746 [1]	\$ 79	3,825	74.0412% [7]	2,832
9	General Direct assigned to Wholesale (Line 44)	(0) [1]		(0)	0.0000%	-
10	Intangible (Line 48)	- [1]	\$ -	-	67.9178% [8]	-
11	Impact to accum. deprec. (Sum L2 through L10)	\$ (67,259)	\$ 840	\$ (66,419)		\$ (44,304)
12						
13	<u>Accumulated Depreciation recovered in riders included above:</u>					
14	JAAR - Steam plant	\$ (61) [1]	\$ (61) [2]			
15	JAAR - Nuclear plant	(603) [1]	(603) [2]			
16	DSDR - Transmission	- [1]	- [3]			
17	DSDR - Distribution	(97) [1]	(97) [3]			
18	DSDR - General plant	(79) [1]	(79) [3]			
19	DSDR - Intangibles	- [1]	- [3]			
20	Total Accum Depr recovered in riders (Sum L14 through L18)	\$ (840)	\$ (840)			

[1] NC-1007 - Adjustment to Accumulated Depreciation for Annualization of Depreciation Expense at Feb. 29, 2020

[2] Amounts related to balances forecasted to flow through the JAAR and should be excluded for purposes of this analysis.

[3] Amounts related to balances forecasted to flow through the DSDR rider and should be excluded for purposes of this analysis.

[4] Allocation Factor - DPALL

[5] Allocation Factor - DTALL

[6] Allocation Factor - RB PLT O DI

[7] Allocation Factor - RB PLT O GN

[8] Allocation Factor - PTDG

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Adjustment to Accumulated Depreciation for Annualization of Depreciation Expense at Feb. 29, 2020

Line No.	Function	Forecasted Plant in Service [8] 2/29/2020	Depr Rate [9]	Current Rates Calculated Accrual	Forecasted 12ME Depr Booked [10]	Difference
1	<u>STEAM: [1]</u>					
2	STEAM PLANT	\$4,292,478	3.75%	\$ 160,968	\$ 153,695	\$ 7,273
3	LAND RIGHTS - STEAM	32,975	0.30%	99	42	56
4	NC IMPAIRMENT - STEAM	(10,393)	3.75%	(390)	(415)	25
5		\$ 4,315,060		\$ 160,677	\$ 153,322	\$ 7,355
6	<u>NUCLEAR: [1]</u>					
7	NUCLEAR PLANT	\$ 10,151,113	2.80%	\$ 284,231	\$ 266,750	\$ 17,481
8	LAND RIGHTS - NUCLEAR	74,482	1.20%	894	630	264
9		\$ 10,225,594		\$ 285,125	\$ 267,381	\$ 17,744
10	<u>HYDRO: [1]</u>					
11	HYDRAULIC PLANT	\$ 149,765	3.47%	\$ 5,197	\$ 5,056	\$ 141
12	LAND RIGHTS - HYDRO	2,829	2.52%	71	4	67
13		\$ 152,594		\$ 5,268	\$ 5,060	\$ 208
14	<u>OTHER PRODUCTION: [1]</u>					
15	OTHER (CT's)	\$ 3,706,041	4.46%	\$ 165,383	\$ 139,276	\$ 26,107
16	OTHER (CT's Land)	10,002	2.65%	265	125	140
17	OTHER (SOLAR)	192,221	5.15%	9,903	9,601	303
18	NC IMPAIRMENT - OTHER	(639)	4.46%	(29)	(22)	(6)
19		\$ 3,907,625		\$ 175,523	\$ 148,980	\$ 26,543
20						
21	<u>TRANSMISSION: [1]</u>					
22	TRANSMISSION OTHER	\$ 2,841,500	1.90%	\$ 53,989	\$ 50,562	\$ 3,426
23	TRANSMISSION RIGHT OF WAY	195,614	1.15%	2,250	2,116	133
24	OATT CONTRA - TRANS	(4,948)	1.90%	(94)	(89)	(5)
25		\$ 3,032,166		\$ 56,144	\$ 52,590	\$ 3,554
26						
27	<u>DISTRIBUTION: [1]</u>					
28	DISTRIBUTION OTHER	\$ 7,722,006	2.50%	\$ 193,050	\$ 178,003	\$ 15,047
29	DISTRIBUTION RIGHT OF WAY	75,410	1.28%	965	412	553
30	OATT CONTRA - DISTR	(122)	2.50%	(3)	(3)	(0)
31		\$ 7,797,295		\$ 194,012	\$ 178,412	\$ 15,600
32						
33	<u>GENERAL: [1]</u>					
34	LAND AND LAND RIGHTS	\$ 7,889	0.00%	\$ -	\$ 27	\$ (27)
35	STRUCTURES AND IMPROVEMENTS	151,716	2.42%	3,672	3,724	(53)
36	FURNITURE AND EQPMT	20,975	5.00%	1,049	746	303
37	EDP EQUIPMENT	61,154	12.50%	-	7,833	(7,833)
38	TRANSPORTATION EQUIPMENT [2]	61,492	10.29%	-	-	-
39	STORES EQUIPMENT	1,266	5.00%	63	85	(22)
40	TOOLS, SHOPS & GARAGE EQPMT	87,698	5.00%	4,385	4,469	(84)
41	LABORATORY EQUIPMENT	3,724	6.67%	248	379	(131)
42	POWER OPERATED EQUIPMENT	5,340	5.99%	320	331	(11)
43	COMMUNICATION EQUIPMENT	290,702	5.00%	14,535	10,304	4,231
44	OATT CONTRA - COMM EQUIP	(134)	5.00%	(7)	(7)	0
45	MISCELLANEOUS EQUIPMENT	20,590	5.00%	1,029	1,150	(120)
46		\$ 712,412		\$ 25,295	\$ 29,041	\$ (3,746)
47						
48	<u>NTANGIBLE</u>	\$ 565,085		\$ 50,027	\$ 50,027	\$ -
49						
50	TOTAL PLANT-IN-SERVICE	\$ 30,707,831		\$ 952,072	\$ 884,813	\$ 67,259
51						
52	<u>Electric Plant in Service recovered in riders included above:</u>					
53	JAAR - Steam plant [11]	\$ 122,234		\$ 5,114	\$ 5,054	\$ 61
54	JAAR - Nuclear plant [11]	835,405		28,383	27,780	603
55	DSDR - Transmission [12]	607		12	12	-
56	DSDR - Distribution [12]	176,933		4,551	4,454	97
57	DSDR - General plant [12]	21,192		1,044	965	79
58	DSDR - Intangibles [12]	33,148		263	263	-
59	Total EPIS recovered in riders (Sum L53 through L58)	\$ 1,189,519		\$ 39,367	\$ 38,527	\$ 840

[1] The amounts above are shown at Gross Plant in Service Costs. Contra AFUDC has been added back to PowerPlant dollars through the on top in account 101000 at C and the Contra AFUDC depreciation expense that is calculated in 403002 is offset by including Contra AFUDC Offset depreciation groups at E.

[2] Depreciation expense on Vehicles and Construction Equipment are recorded to 803 accounts, rather than 403/404 accounts. Therefore the depreciation expense associated with these assets is excluded from the schedule above.

[3] Totals may not foot due to rounding

[4] Some assets within Misc Intangible Plt are fully amortized and no longer accrue any expense

[5] Land, Land Rights and Rights of Way noted separately from the rest of Electric Plant in Service above. Land is not a depreciable asset while Land Rights and R/W are depreciable.

[6] The calculated accrual column above assumes 12 months of depreciation. If any assets were added during the 12 month period, depreciation would be calculated based on the in-service date in the actual 12me depr booked column above

[7] The per book intangible amount reflects a representative level of amortization expense on a go forward basis.

[8] Forecasted amounts provided by Duke Energy Carolinas - Franchised Electric & Gas Planning and Forecasting

[9] NC-0802 - Adjustment to Annualize Depreciation Expense at Dec. 31, 2018

[10] NC-1010 - Twelve Months of Depreciation Expense as of Feb. 29, 2020

[11] Forecasted balances, calculated accrual and forecasted 12 months ended depreciation expense provided by Rates and Regulatory - Joint Agency Asset Rider support

[12] Forecasted balances, calculated accrual and forecasted 12 months ended depreciation expense provided by Asset Accounting - DSDR rider support



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Plant in Service Balances

Line No.	Description	ACTUALS YTD												FORECAST YTD												Net Change p = o - a
		Dec-2018	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020										
		a	b	c	d	e	f	g	h	i	j	k	l	m	n											
1	Electric Plant in Service:																									
2	Steam plant	\$ 4,011,861	\$ 4,043,991	\$ 4,046,676	\$ 4,101,612	\$ 4,231,983	\$ 4,266,772	\$ 4,275,052	\$ 4,184,080	\$ 4,187,490	\$ 4,193,070	\$ 4,200,532	\$ 4,217,120	\$ 4,299,787	\$ 4,297,506	\$ 4,295,222	283,361									
3	Nuclear plant	8,909,317	8,916,989	8,917,204	8,939,103	9,029,753	9,056,127	9,081,959	9,114,602	9,106,469	9,177,118	9,168,685	9,249,197	9,286,620	9,292,192	9,287,112	8,654									
4	Hydro plant	143,939	143,757	145,271	145,487	146,482	146,485	147,388	147,968	150,909	150,811	151,067	152,497	152,594	152,594	152,594	8,654									
5	Other production plant	3,136,771	3,088,719	3,118,877	3,138,170	3,138,093	3,142,793	3,147,464	3,140,752	3,135,719	3,130,455	3,156,709	3,886,092	3,921,320	3,916,076	3,907,624	770,853									
6	Transmission plant	2,746,389	2,751,560	2,756,170	2,761,879	2,792,924	2,816,747	2,838,200	2,869,439	2,880,051	2,908,556	2,917,176	2,922,719	2,965,344	2,995,875	3,029,291	282,902									
7	Distribution plant	6,944,764	6,980,196	7,025,165	7,065,340	7,113,668	7,180,132	7,239,028	7,407,275	7,455,833	7,557,050	7,577,108	7,622,703	7,698,587	7,748,228	7,797,282	852,528									
8	General plant	628,616	633,557	639,885	637,103	639,433	646,714	647,265	686,212	691,885	697,072	692,875	698,538	705,686	709,067	712,415	83,799									
9	Intangible plant	527,370	529,454	529,312	535,638	536,035	538,985	567,009	537,055	538,386	540,617	540,870	540,796	563,666	564,381	565,085	37,715									
10	Total Electric Plant in Service (Sum L2 through L9)	\$ 27,049,028	\$ 27,081,223	\$ 27,176,580	\$ 27,324,333	\$ 27,627,742	\$ 27,794,724	\$ 27,942,462	\$ 28,086,803	\$ 28,133,802	\$ 28,324,877	\$ 28,404,767	\$ 29,276,532	\$ 29,581,800	\$ 29,676,018	\$ 29,756,635	\$ 2,707,607									
Direct Assignments in COS Included above:																										
11	Contr A-FUDC - WHS																									
12	Contr A-FUDC - NC Retail	\$ (43,604)	\$ (43,604)	\$ (43,597)	\$ (43,591)	\$ (43,591)	\$ (43,591)	\$ (43,494)	\$ (43,558)	\$ (43,551)	\$ (43,544)	\$ (43,537)	\$ (43,531)	\$ (43,524)	\$ (43,517)	\$ (43,510)	94									
13	Contr A-FUDC - SC Retail	(321,021)	(321,021)	(320,961)	(320,883)	(320,883)	(320,872)	(320,384)	(320,643)	(320,589)	(320,534)	(320,480)	(320,425)	(320,371)	(320,316)	(320,261)	760									
14	Harris Disallowance - NC	(36,217)	(36,217)	(36,212)	(36,206)	(36,206)	(36,206)	(36,150)	(36,172)	(36,166)	(36,159)	(36,153)	(36,146)	(36,140)	(36,133)	(36,127)	91									
15	Harris Disallowance - SC	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	(387,936)	0									
16	Harris Disallowance - WHS	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	(62,557)	0									
17	Harris Disallowance - SC	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	0									
18	Harris Disallowance - WHS	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	(86,025)	0									
19	Harris Disallowance - PA	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	(124,760)	0									
20	Harris Disallowance - Other NC	(15,204)	(15,204)	(15,200)	(15,200)	(15,200)	(15,196)	(15,196)	(15,204)	(15,204)	(15,204)	(15,204)	(15,204)	(15,204)	(15,204)	(15,204)	0									
21	OAT - WHS	(968,376)	(968,376)	(968,289)	(968,209)	(968,209)	(968,195)	(967,553)	(967,506)	(967,539)	(967,777)	(967,703)	(967,636)	(967,566)	(967,500)	(967,431)	945									
22	Total Direct Assignments in COS (Sum L13 through L21)	\$ (968,376)	\$ (968,376)	\$ (968,289)	\$ (968,209)	\$ (968,209)	\$ (968,195)	\$ (967,553)	\$ (967,506)	\$ (967,539)	\$ (967,777)	\$ (967,703)	\$ (967,636)	\$ (967,566)	\$ (967,500)	\$ (967,431)										
COS Adjustments																										
23	Acquisition Adjustment																									
24	Acquisition Adjustment	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	-									
25	Total COS Adjustments (Sum L25)	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	\$ 349,802	-									
26	Total COS Electric Plant in Service (Sum L28 through L36)	\$ 27,398,830	\$ 27,437,025	\$ 27,528,332	\$ 27,674,135	\$ 27,937,544	\$ 28,144,526	\$ 28,292,284	\$ 28,436,605	\$ 28,483,604	\$ 28,674,679	\$ 28,754,569	\$ 29,628,134	\$ 29,931,602	\$ 30,025,620	\$ 30,106,437	\$ 2,707,607									
37	Solar Electric Plant in Service Included in Line 5 above:																									
38	Electric Plant in Service recovered in riders included above:																									
39	JAAR - Steam plant [3]	\$ 119,018																								
40	JAAR - Nuclear plant [3]	785,214																								
41	JAAR - Acquisition Adjustment [3]	349,802																								
42	DSDR - Transmission [4]	607																								
43	DSDR - Distribution [4]	165,281																								
44	DSDR - General plant [4]	17,545																								
45	DSDR - Intangible plant [4]	32,842																								
46	Total EPLS recovered in riders (Sum L42 through L48)	\$ 1,469,868	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,539,327	66,433									
[1] Actual amounts provided by Duke Energy Carolinas - Asset Accounting																										
[2] Forecasted amounts provided by Duke Energy Carolinas - Franchised Electric & Gas Planning and Forecasting																										
[3] Actual and forecasted balances provided by Rates and Regulatory - Joint Agency Asset Rider support																										
[4] Actual and forecasted balances provided by Rates and Regulatory - Joint Accounting for the Distribution System Demand Response rider support																										
[5] Amounts above do not include Asset Retirement Obligation (ARO) or Capital Lease balances																										

[1] Actual amounts provided by Duke Energy Carolinas - Asset Accounting  
[2] Forecasted amounts provided by Duke Energy Carolinas - Franchised Electric & Gas Planning and Forecasting  
[3] Actual and forecasted balances provided by Rates and Regulatory - Joint Agency Asset Rider support  
[4] Actual and forecasted balances provided by Asset Accounting for the Distribution System Demand Response rider support  
[5] Amounts above do not include Asset Retirement Obligation (ARO) or Capital Lease balances

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for post test year additions to plant in service  
For the test period ended December 31, 2018  
(Dollars in thousands)

Accumulated Depreciation Balances

Line No.	Description	ACTUALS [1]												FORECAST [2]												Net Change p = o - a		
		Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020												
1	Accumulated Depreciation																											
2	Steam plant	\$ (2,011,905)	\$ (2,019,819)	\$ (2,030,802)	\$ (2,045,887)	\$ (2,044,204)	\$ (2,059,807)	\$ (2,080,807)	\$ (2,079,008)	\$ (2,088,761)	\$ (2,098,386)	\$ (2,108,098)	\$ (2,117,823)	\$ (2,128,008)	\$ (2,138,867)	\$ (2,148,693)	\$ (136,788)											
3	Hydro plant	(4,430,694)	(4,445,828)	(4,465,220)	(4,485,722)	(4,490,589)	(4,504,855)	(4,508,834)	(4,508,834)	(4,508,834)	(4,508,834)	(4,508,834)	(4,508,834)	(4,508,834)	(4,508,834)	(4,508,834)	(4,508,834)											
4	Nuclear plant	(46,007)	(46,412)	(48,279)	(48,734)	(48,654)	(48,747)	(49,138)	(48,179)	(48,497)	(48,821)	(49,151)	(49,481)	(49,811)	(50,146)	(50,481)	(4,472)											
5	Other production plant	(671,003)	(633,115)	(674,481)	(705,483)	(714,383)	(729,565)	(741,728)	(709,394)	(714,859)	(729,291)	(735,689)	(731,174)	(739,076)	(747,086)	(755,001)	(64,505)											
6	Transmission plant	(816,198)	(815,911)	(821,258)	(823,888)	(824,684)	(827,644)	(832,098)	(826,224)	(827,881)	(828,675)	(832,942)	(831,818)	(834,449)	(839,478)	(838,563)	(2,565)											
7	Distribution plant	(3,235,148)	(3,227,281)	(3,226,020)	(3,228,109)	(3,228,531)	(3,228,703)	(3,238,531)	(3,300,980)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)											
8	General plant	(167,536)	(169,790)	(171,749)	(170,037)	(173,584)	(177,262)	(174,792)	(173,829)	(151,963)	(150,070)	(148,250)	(148,402)	(144,534)	(140,944)	(135,231)	(26,591)											
9	Intangible plant	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)											
10	Total Accumulated Depreciation (Sum L2 through L9)	\$ (11,701,322)	\$ (11,684,953)	\$ (11,708,071)	\$ (11,724,776)	\$ (11,708,348)	\$ (11,720,910)	\$ (11,732,218)	\$ (11,707,153)	\$ (11,707,153)	\$ (11,707,153)	\$ (11,707,153)	\$ (11,707,153)	\$ (11,707,153)	\$ (11,707,153)	\$ (11,707,153)	\$ (11,707,153)											
11	Direct Assignments in COS																											
12	Rate Difference - SC Retail	\$ 24,176	\$ 24,069	\$ 23,962	\$ 23,855	\$ 23,748	\$ 23,642	\$ 23,535	\$ 24,176	\$ 24,176	\$ 24,176	\$ 24,176	\$ 24,176	\$ 24,176	\$ 24,176	\$ 24,176	\$ 24,176											
13	Rate Difference - WHS	7,916	7,881	7,846	7,811	7,776	7,741	7,706	7,916	7,916	7,916	7,916	7,916	7,916	7,916	7,916	7,916											
14	Rate Difference - NCEMPA	2,918	2,902	2,886	2,870	2,854	2,838	2,822	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918	2,918											
15	Contra AFUDC - NC Retail	238,121	238,666	239,130	239,569	240,074	240,567	241,060	241,567	242,059	242,519	242,973	243,426	243,879	244,331	244,784	6,662											
16	Contra AFUDC - SC Retail	23,951	24,010	24,064	24,117	24,177	24,236	24,293	24,321	24,374	24,427	24,480	24,533	24,586	24,638	24,691	741											
17	Harris Disallowance - WHS	30,312	30,379	30,438	30,486	30,560	30,624	30,642	30,739	30,800	30,861	30,921	30,982	31,043	31,104	31,165	853											
18	Harris Disallowance - NC	25,434	25,481	25,526	25,568	25,612	25,654	25,696	25,732	25,772	25,812	25,851	25,894	25,931	25,970	26,010	5,737											
19	Harris Disallowance - WHS	32,462	32,518	32,575	32,631	32,688	32,744	32,801	32,850	32,906	32,961	33,017	33,072	33,128	33,183	33,239	1,772											
20	Harris Disallowance - WHS	50,127	50,219	50,312	50,404	50,497	50,589	50,682	50,763	50,854	50,946	51,035	51,126	51,217	51,308	51,399	1,772											
21	Harris Disallowance - WHS	50,127	50,219	50,312	50,404	50,497	50,589	50,682	50,763	50,854	50,946	51,035	51,126	51,217	51,308	51,399	1,772											
22	Harris Disallowance - WHS	50,127	50,219	50,312	50,404	50,497	50,589	50,682	50,763	50,854	50,946	51,035	51,126	51,217	51,308	51,399	1,772											
23	Harris Disallowance - WHS	50,127	50,219	50,312	50,404	50,497	50,589	50,682	50,763	50,854	50,946	51,035	51,126	51,217	51,308	51,399	1,772											
24	Production Plant - Other SC	(340,159)	(339,461)	(338,763)	(338,065)	(337,367)	(336,669)	(335,971)	(335,273)	(334,575)	(333,877)	(333,179)	(332,481)	(331,783)	(331,085)	(330,387)	14,807											
25	O&M - WHS	1,423	1,431	1,439	1,447	1,455	1,463	1,471	1,480	1,488	1,496	1,504	1,513	1,521	1,529	1,537	114											
26	Total Direct Assignments in COS (Sum L13 through L25)	\$ 278,335	\$ 280,697	\$ 282,964	\$ 285,205	\$ 287,524	\$ 289,831	\$ 292,222	\$ 295,445	\$ 297,889	\$ 300,302	\$ 302,707	\$ 305,111	\$ 307,516	\$ 309,920	\$ 312,325	\$ 33,980											
27	COS Adjustments																											
28	Acquisition Adjustment	\$ (43,592)	\$ (44,656)	\$ (45,719)	\$ (46,782)	\$ (47,845)	\$ (48,908)	\$ (49,972)	\$ (51,035)	\$ (52,098)	\$ (53,161)	\$ (54,225)	\$ (55,288)	\$ (56,351)	\$ (57,414)	\$ (58,478)	\$ (14,885)											
29	Removal Nuclea Decommissioning ARO in 108000	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	96,122	-											
30	Total COS Adjustments (Sum L29 through L30)	\$ 52,530	\$ 51,467	\$ 50,403	\$ 49,340	\$ 48,279	\$ 47,216	\$ 46,153	\$ 45,087	\$ 44,024	\$ 42,961	\$ 41,898	\$ 40,834	\$ 39,771	\$ 38,708	\$ 37,645	\$ (14,885)											
31	COS Accumulated Depreciation																											
32	Production Plant (Sum L2 through L5 + L31) - Sum L13 through L25	\$ (7,383,992)	\$ (7,372,974)	\$ (7,449,803)	\$ (7,526,244)	\$ (7,556,118)	\$ (7,585,861)	\$ (7,625,087)	\$ (7,584,233)	\$ (7,613,303)	\$ (7,642,087)	\$ (7,671,078)	\$ (7,700,133)	\$ (7,732,181)	\$ (7,765,428)	\$ (7,798,598)	\$ (414,806)											
33	Transmission plant (L6 - L25)	108,456	108,600	108,735	108,870	109,005	109,150	109,295	109,759	109,946	110,132	110,318	110,504	110,690	110,876	111,062	2,106											
34	Distribution plant (L7)	(817,620)	(817,342)	(822,697)	(828,315)	(828,139)	(829,070)	(833,569)	(827,704)	(828,389)	(830,171)	(831,347)	(833,331)	(835,970)	(838,002)	(840,100)	(22,477)											
35	General plant (L8)	(3,235,148)	(3,227,281)	(3,226,020)	(3,228,109)	(3,228,531)	(3,228,703)	(3,238,531)	(3,300,980)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)	(3,310,445)											
36	Intangible plant (L9)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)	(92,831)											
37	Total COS Accumulated Depreciation (Sum L34 through L41)	\$ (11,648,793)	\$ (11,633,517)	\$ (11,718,258)	\$ (11,793,456)	\$ (11,814,700)	\$ (11,873,174)	\$ (11,925,027)	\$ (11,922,065)	\$ (11,961,957)	\$ (12,000,832)	\$ (12,040,790)	\$ (12,081,592)	\$ (12,126,056)	\$ (12,171,522)	\$ (12,217,197)	\$ (568,404)											
38	Accumulated Depreciation recovered in riders included above:																											
39	JAAR - Steam plant [3]	\$ (19,888)															\$ (6,952)											
40	JAAR - Nuclear plant [3]	(90,234)															(23,212)											
41	JAAR - Acquisition Adjustment [3]	(43,392)															(8,116)											
42	DSOR - Distribution [4]	(44,120)															(9,293)											
43	DSOR - General plant [4]	(4,890)															(5,989)											
44	Total Accum Deprec recovered in riders (Sum L45 through L51)	\$ (235,431)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (296,857)											

[1] Actual amounts provided by Duke Energy Carolinas - Asset Accounting  
[2] Forecasted amounts provided by Duke Energy Carolinas - Franchised Electric & Gas Planning and Forecasting  
[3] Actual and forecasted balances provided by Rates and Regulatory - Joint Agency Asset Rider support  
[4] Actual and forecasted balances provided by Asset Accounting for the Distribution System Demand Response rider support  
[5] Amounts above do not include Asset Retirement Obligation (ARO) reserve balances in accounts 0708155010851, 0708499, or 0708640

Duke Energy Progress, LLC  
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 Application

Twelve Months of Depreciation Expense as of Feb. 29 2020

Line No.	Description	ACTUALS [1]					FORECAST [2]											
		Mar 2019 a	Apr 2019 b	May 2019 c	Jun 2019 d	Jul 2019 e	Aug 2019 f	Sep 2019 g	Oct 2019 h	Nov 2019 i	Dec 2019 j	Jan 2020 k	Feb 2020 l	12 MONTHS m = sum(a:l)				
1	Function																	
2	STEAM PLANT	\$ 12,606	\$ 12,709	\$ 12,991	\$ 13,047	\$ 12,508	\$ 12,712	\$ 12,714	\$ 12,731	\$ 12,757	\$ 12,813	\$ 13,068	\$ 13,037	\$ 153,695				
3	LAND RIGHTS - STEAM	3	3	3	3	4	4	4	4	4	4	4	4	42				
4	NC IMPAIRMENT - STEAM	(35)	(35)	(35)	(35)	(35)	(35)	(35)	(35)	(35)	(35)	(35)	(35)	(415)				
5	NUCLEAR PLANT	21,897	21,897	22,143	22,204	22,203	22,181	22,159	22,326	22,304	22,434	22,522	22,534	266,750				
6	LAND RIGHTS - NUCLEAR	56	56	56	56	51	51	51	51	51	51	51	51	630				
7	HYDRAULIC PLANT	412	413	415	415	417	417	419	428	427	428	433	433	5,056				
8	LAND RIGHTS - HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0				
9	OTHER (CT's)	11,249	11,337	11,207	11,218	10,852	10,828	10,805	10,780	10,877	13,305	13,421	13,396	139,276				
10	OTHER (CT's Land)	11	11	11	11	10	10	10	10	10	10	10	10	125				
11	OTHER (SOLAR)	825	824	824	824	788	788	788	788	788	788	788	788	9,601				
12	NC IMPAIRMENT - OTHER	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(22)				
13	TRANSMISSION OTHER	4,040	4,046	4,094	4,149	4,195	4,209	4,226	4,272	4,285	4,294	4,343	4,410	50,562				
14	TRANSMISSION RIGHT OF WAY	177	177	177	177	176	176	176	176	176	176	176	176	2,116				
15	OATT CONTRA - TRANS	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(89)				
16	DISTRIBUTION OTHER	15,293	14,385	14,511	15,247	14,422	14,522	14,624	14,773	14,879	14,976	15,134	15,239	178,003				
17	DISTRIBUTION RIGHT OF WAY	34	35	35	35	34	34	34	34	34	34	34	34	412				
18	OATT CONTRA - DISTR	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)				
19	GENERAL LAND AND LAND RIGHTS	2	2	2	2	2	2	2	2	2	2	2	2	27				
20	GENERAL STRUCTURES AND IMPROVEMENTS	319	314	312	321	310	309	308	308	307	306	306	305	3,724				
21	GENERAL FURNITURE AND EQUIP	68	68	69	69	60	59	59	59	59	59	59	58	746				
22	GENERAL EDP EQUIPMENT	665	667	674	691	642	642	642	642	642	642	642	642	7,833				
23	GENERAL TRANSPORTATION EQUIPMENT [4]	-	-	-	-	-	-	-	-	-	-	-	-	-				
24	GENERAL STORES EQUIPMENT	9	9	9	9	7	7	7	6	6	6	6	6	85				
25	GENERAL TOOLS, SHOPS & GARAGE EQUIP	377	377	379	380	372	371	371	370	369	368	367	367	4,469				
26	GENERAL LABORATORY EQUIPMENT	37	37	37	37	30	29	29	29	28	28	28	28	379				
27	GENERAL POWER OPERATED EQUIPMENT	28	28	28	28	28	28	27	27	27	27	27	27	331				
28	GENERAL COMMUNICATION EQUIPMENT	774	781	788	791	854	845	834	905	895	885	965	986	10,304				
29	OATT CONTRA - COMM EQUIP	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(7)				
30	GENERAL MISCELLANEOUS EQUIPMENT	100	103	103	103	95	94	94	93	92	92	91	90	1,150				
31	INTANG BLE	4,043	4,135	4,121	4,197	4,159	4,142	4,147	4,081	4,084	4,081	4,413	4,425	50,027				
32	Total Depreciation (Sum L2 through L31)	\$ 72,924	\$ 72,370	\$ 72,945	\$ 73,971	\$ 72,175	\$ 72,417	\$ 72,487	\$ 72,850	\$ 73,062	\$ 75,764	\$ 76,845	\$ 77,004	\$ 884,813				

[1] Actual amounts provided by Duke Energy Carolinas - Asset Accounting

[2] Forecasted amounts provided by Duke Energy Carolinas - Franchised Electric & Gas Planning and Forecasting

[3] Amounts above do not include Asset Retirement Obligation (ARO) balances

[4] Depreciation expense on vehicles is recorded to 803 accounts, therefore it is excluded above.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for post test year additions to plant in service  
For the test period ended December 31, 2018  
(Dollars in thousands)

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Application

Adjust for Asheville base load CWIP - Docket No. E-2, Sub 1142

<u>Line No.</u>	<u>Description</u>	<u>Total System</u>	<u>NC Retail Allocation</u>	<u>Total NC Retail</u>
1	<u>Summary of impacts to rate base</u>			
2	Asheville CWIP Balance as of 10/30/2017	\$ 169,850 [1]	60.6008% [1]	\$ 102,930
3				
4	Remove Asheville CWIP in Rate Base (-L2)	<u>\$ (169,850)</u>		<u>\$ (102,930)</u>

[1] Docket No. E-2, Sub 1142 - NC-1200(F) - Update Adjust for Asheville base load CWIP - Oct Update

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred environmental costs  
For the test period ended December 31, 2018

NC-1100  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro-forma adjusts amortization expense, income taxes and rate base for the amortization of deferred environmental costs related to the removal of coal ash.

The impact to depreciation expense reflects a 5 year amortization of deferred coal ash costs. The balance of the deferral is projected through August 31, 2020. The estimated cost of removal related to the active and retired fossil plants that has already been collected from customers through depreciation rates is removed from the balance.

The impact to Rate Base includes the additional deferred costs through February of 2020 and additional ADIT on the deferred balance change.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
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Amortize deferred environmental costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

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Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		
9	Purchased power and net interchange		
10	Wages, benefits, materials, etc.		
11	Depreciation and amortization	NC-1101	105,972
12	General taxes		
13	Interest on customer deposits		
14	Income taxes	NC-1101	(24,553)
15	Less Amortization of investment tax credit		
16			
17	Total electric operating expenses	Sum L8 through L15	81,419
18			
19	Operating income	L4 - L17	<u>\$ (81,419)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
25			
26	Electric plant in service		\$ -
27	Accumulated depreciation and amortization		-
28	Electric plant in service, net	Sum L26 through L27	-
29			
30	Add:		
31	Materials and supplies		-
32	Working capital investment	NC 1801 L26	423,886
33	Plant held for future use		-
34			
35	Less:		
36	Accumulated deferred taxes	NC 1801 L28	(98,212)
37	Operating reserves		-
38	Customer deposits		-
39			
40	Construction work in progress		-
41			
42	Total impact to rate base	Sum L28 through L40	<u>\$ 325,675</u>
43			
44	Note:		
45	Rate Base: positive number increases rate base / negative number decreases rate base		



Duke Energy Progress, LLC  
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Amortize deferred environmental costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1101  
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Application

Line No.	Description	Total Coal Ash ARO NC Retail	Total Coal Ash Non ARO NC Retail	Total NC Retail
1				
2	Projected Ending Balance at August 31, 2020	\$ 488,107 [1]	\$ 41,751 [2]	\$ 529,858
3				
4	Balance for Amortization	\$ 488,107	\$ 41,751	\$ 529,858
5				
6	Years to Amortize	5	5	
7				
8	Annual amortization (L4/L6) before penalty	\$ 97,621	\$ 8,350	\$ 105,972
9				
10	Statutory tax rate			23.1693% [3]
11				
12	Impact to income taxes (-L4 x L6)			<u>\$ (24,553)</u>
13				
14	Impact to operating income (-L8 - L12)			<u>\$ (81,419)</u>
15				
16	Impact to Rate Base			
17				
18	Projected August 31 2020 Balance for Rate Base (L2)	\$ 488,107	\$ 41,751	\$ 529,858
19	Less 12 months Coal Ash Deferral Amortization (-L8)	<u>(97,621)</u>	<u>(8,350)</u>	<u>(105,972)</u>
20	Projected coal ash def bal after one year of amortization (L18 + L19)	\$ 390,485	\$ 33,401	\$ 423,886
21				
22	Deferred tax rate	23.1693%	23.1693%	
23	Impact to accumulated deferred income tax (-L20 x L22)	\$ (90,473)	\$ (7,739)	\$ (98,212)
24				
25	Impact to rate base (L20 + L23)	\$ 300,013	\$ 25,662	\$ 325,675

[1] NC-1102 - Deferral Col (s) Line 39

[2] NC-1104 - Deferral Col (r) Line 65

[3] NC-0104 - 2019 Composite Tax rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred environmental costs  
For the test period ended December 31, 2018

Duke Energy Progress, LLC																	NC-111 Tax	
Docket No. E-2, Sub 1219																	After Tax	
Amortize deferred environmental costs																	LTD Rate	
For the test period ended December 31, 2018																	Equity Rate	
																	2017	
																	2018 Jan - Feb	
																	2018 Mar - Dec	
																	2019	
																	2020	
																	1,4936%	
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[1] NC-1103 - Duke Energy Progress - System Spend - Coal Ash

[2] NC-1109 Active and Retired Estimated Cost of Removal / 12

[3] NC-1106 - Allocation Factor - MWHs at Generation Level. Allocation Factors updated when new Cost of Service Factors were available.

[4] Annual compounding formula

[5] NC-1107 - Weighted Cost of Capital Rates for Duke Energy Progress

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Duke Energy Progress - System Spend - Coal Ash including CAMA - ARO

Line No.	Month	2017 Actuals	2018 Actuals	2019 Actuals	2019 Forecast	2020 Forecast
1	January	\$ -	\$ 11,674,153	\$ 20,083,956		\$ 22,955,230
2	February	-	14,436,895	22,836,296		\$ 22,955,230
3	March	-	16,034,812	24,329,058		
4	April	-	12,730,875	31,140,483		
5	May	-	16,344,206	38,852,313		
6	June	-	13,183,340	21,872,397		
7	July	-	9,840,879	-	48,660,530	
8	August	-	18,186,966	-	48,660,530	
9	September	14,127,429	14,296,119	-	48,660,530	
10	October	13,925,270	17,794,608	-	48,660,530	
11	November	10,319,552	16,803,192	-	48,660,530	
12	December	16,303,059	25,013,495	-	48,660,530	
13	January	<u>\$ 54,675,310</u>	<u>\$ 186,339,539</u>	<u>\$ 159,114,502</u>	<u>\$ 291,963,180</u>	<u>\$ 45,910,460</u>

Source: Duke Energy Asset Accounting

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Duke Energy Progress - Coal Ash Non ARO Retail Return on Plant

Line No.	Month	Total Plant Additions	Accumulated Depreciation	Net Plant (c)=(a)+(b)	NC Retail Allocation Factor	NC Retail Net Plant	Balance for Return	Pre Tax Debt Return	Pre Tax Equity Return	Total Return on Investment (i)=(g)+(h)
1	Jan-18	\$ 37,047	\$ -	\$ 37,047	60.6008%	\$ 22,450	\$ 11,225	\$ 20	\$ 66	\$ 86
2	Feb	40,325	(89)	40,236	60.6008%	24,384	23,417	42	138	180
3	Mar	40,473	(206)	40,267	60.6008%	24,402	24,393	40	137	176
4	Apr	48,443	(350)	48,092	61.3372%	29,498	26,950	44	151	195
5	May	5,965,821	(505)	5,965,316	61.3372%	3,658,959	1,844,229	2,988	10,343	13,330
6	Jun	6,050,763	(33,007)	6,017,755	61.3372%	3,691,124	3,675,042	5,954	20,610	26,564
7	Jul	6,104,056	(65,974)	6,038,082	61.3372%	3,703,592	3,697,358	5,990	20,735	26,725
8	Aug	6,204,246	(99,211)	6,105,034	61.3372%	3,744,659	3,724,126	6,033	20,885	26,918
9	Sep	6,275,122	(132,996)	6,142,126	61.3372%	3,767,410	3,756,034	6,085	21,064	27,149
10	Oct	6,302,691	(167,168)	6,135,523	61.3372%	3,763,360	3,765,385	6,100	21,117	27,217
11	Nov	15,144,212	(201,490)	14,942,723	61.3372%	9,165,452	6,464,406	10,472	36,253	46,725
12	Dec	128,515,712	(270,683)	128,245,029	61.3372%	78,661,951	43,913,701	71,140	246,273	317,413
13	Jan-19	163,503,908	(579,612)	162,924,296	61.3372%	99,933,253	89,297,602	144,662	498,612	643,274
14	Feb	166,667,791	(1,034,819)	165,632,972	61.3372%	101,594,680	100,763,966	163,238	562,636	725,874
15	Mar	210,748,372	(1,499,116)	209,249,255	61.3372%	128,347,700	114,971,190	186,253	641,965	828,219
16	Apr	347,439,735	(2,062,387)	345,377,349	61.3372%	211,844,904	170,096,302	275,556	949,768	1,225,324
17	May	374,337,308	(2,869,578)	371,467,730	61.3372%	227,848,022	219,846,463	356,151	1,227,558	1,583,709
18	Jun	377,036,268	(3,721,086)	373,315,183	61.5278%	229,692,614	228,770,318	370,608	1,277,386	1,647,994
19	Jul	377,036,268	(4,578,497)	372,457,771	61.5278%	229,165,067	229,428,841	371,675	1,281,063	1,652,738
20	Aug	377,036,268	(5,435,909)	371,600,359	61.5278%	228,637,521	228,901,294	370,820	1,278,117	1,648,938
21	Sep	377,036,268	(6,293,321)	370,742,948	61.5278%	227,582,428	227,846,201	369,965	1,272,226	1,641,337
22	Oct	377,036,268	(7,150,732)	369,885,536	61.5278%	227,054,881	227,318,654	368,256	1,269,280	1,637,537
23	Nov	377,036,268	(8,008,144)	369,028,124	61.5278%	226,527,335	226,791,108	367,402	1,266,335	1,633,736
24	Dec	377,036,268	(8,865,556)	368,170,713	61.5278%	225,999,788	226,263,561	366,547	1,263,389	1,629,936
25	Jan-20	377,036,268	(9,722,967)	367,313,301	61.5278%	225,472,242	225,736,015	365,692	1,260,443	1,626,136
26	Feb	377,036,268	(10,580,379)	366,455,889	61.5278%	224,944,695	225,208,468	364,838	1,257,498	1,622,335
27	Mar	377,036,268	(11,437,791)	365,598,478	61.5278%	224,417,148	224,680,922	363,983	1,254,552	1,618,535
28	Apr	377,036,268	(12,295,202)	364,741,066	61.5278%	223,889,602	224,153,375	363,128	1,251,606	1,614,735
29	May	377,036,268	(13,152,614)	363,883,654	61.5278%	223,362,055	223,625,829	362,274	1,248,661	1,610,935
30	Jun	377,036,268	(14,010,026)	363,026,242	61.5278%	222,834,509	223,098,282	361,419	1,245,715	1,607,134
31	Jul	377,036,268	(14,867,438)	362,168,831	61.5278%	222,306,962	222,570,736	360,565	1,242,769	1,603,334
32	Aug	377,036,268	(15,724,849)	361,311,419	61.5278%					
33										\$ 29,959,574

- [1] NC-1105 Total Plant in Service beginning on line 61  
[2] NC-1105 Total Depreciation Expense beginning on line 95 + Prior Month  
[3] NC 1106 Allocation Factor - Demand at Generation Level. Allocation Factors updated when new Cost of Service Factors were available.  
[4] Beginning balance + additions for the month/2  
[5] NC 1107 Cost of Capital  
[6] NC-1105 Total Depreciation Expense beginning on line 99

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Duke Energy Progress - Coal Ash Non ARO - NC Retail Deferral

Line No.	Month	Beginning Balance (j)=PM(r)	Return on Investment (k)=(i)	Depreciation Expense (l)	NC Retail Allocation Factor (m)	NC Retail Depreciation Expense (n)=(l)*(m)	Balance for Return (o)=(j)+((k)(n))/2	After Tax Debt Return (p)	After Tax Equity Return (q)	Ending Balance (r)
33	Jan-18	\$ -	\$ 86	\$ 0	60.601%	\$ 0	43	\$ 0	\$ 0	\$ 86
34	Feb	86	180	89	60.601%	54	203	0	1	321
35	Mar	321	176	117	60.601%	71	445	1	2	571
36	Apr	571	195	145	61.337%	89	713	1	3	858
37	May	858	13,330	155	61.337%	95	7,571	9	32	14,325
38	Jun	14,325	26,564	32,503	61.337%	19,936	37,575	47	161	61,033
39	Jul	61,033	26,725	32,967	61.337%	20,221	84,506	105	363	108,446
40	Aug	108,446	26,918	33,237	61.337%	20,387	132,098	164	567	156,481
41	Sep	156,481	27,149	33,785	61.337%	20,723	180,417	224	774	205,351
42	Oct	205,351	27,217	34,172	61.337%	20,960	229,439	284	984	254,796
43	Nov	254,796	46,725	34,322	61.337%	21,052	288,685	358	1,238	324,170
44	Dec	324,170	317,413	69,193	61.337%	42,441	504,097	625	2,163	686,811
45	Jan-19	686,811	643,274	308,929	61.337%	189,488	1,103,192	1,373	4,733	1,525,679
46	Feb	1,525,679	726,874	455,207	61.337%	279,211	2,028,222	2,524	8,701	2,541,990
47	Mar	2,541,990	828,219	464,297	61.337%	284,787	3,098,493	3,857	13,293	3,672,145
48	Apr	3,672,145	1,226,324	563,270	61.337%	345,494	4,457,554	5,548	19,123	5,267,634
49	May	5,267,634	1,583,709	807,192	61.337%	495,109	6,307,043	7,850	27,057	7,381,359
50	Jun	7,381,359	1,647,994	851,507	61.528%	523,914	8,467,313	10,539	36,325	9,600,131
51	Jul	9,600,131	1,652,738	857,412	61.528%	527,547	10,690,273	13,306	45,861	11,839,582
52	Aug	11,839,582	1,648,938	857,412	61.528%	527,547	12,927,824	16,091	55,460	14,087,617
53	Sep	14,087,617	1,645,137	857,412	61.528%	527,547	15,173,959	18,886	65,096	16,344,284
54	Oct	16,344,284	1,641,337	857,412	61.528%	527,547	17,428,725	21,693	74,769	18,609,629
55	Nov	18,609,629	1,637,537	857,412	61.528%	527,547	19,692,171	24,510	84,479	20,883,702
56	Dec	20,883,702	1,633,736	857,412	61.528%	527,547	21,964,343	27,338	94,227	23,166,550
57	Jan-20	23,166,550	1,629,936	857,412	61.528%	527,547	24,245,291	30,177	104,012	25,458,222
58	Feb	25,458,222	1,626,136	857,412	61.528%	527,547	26,535,063	33,027	113,835	27,758,766
59	Mar	27,758,766	1,622,335	857,412	61.528%	527,547	28,833,707	35,888	123,697	30,068,233
60	Apr	30,068,233	1,618,535	857,412	61.528%	527,547	31,141,274	38,760	133,596	32,386,671
61	May	32,386,671	1,614,735	857,412	61.528%	527,547	33,457,812	41,644	143,534	34,714,130
62	Jun	34,714,130	1,610,935	857,412	61.528%	527,547	35,783,371	44,538	153,511	37,050,660
63	Jul	37,050,660	1,607,134	857,412	61.528%	527,547	38,118,000	47,444	163,526	39,396,311
64	Aug	39,396,311	1,603,334	857,412	61.528%	527,547	40,461,751	50,361	173,581	41,751,133
65			<u>\$ 29,939,574</u>			<u>\$ 9,669,684</u>		<u>\$ 477,170</u>	<u>\$ 1,644,705</u>	<u>\$ 41,751,133</u>

- [1] NC-1105 Total Plant in Service beginning on line 61  
[2] NC-1105 Total Depreciation Expense beginning on line 95 + Prior Month  
[3] NC 1106 Allocation Factor - Demand at Generation Level. Allocation Factors updated when new Cost of Service Factors were available.  
[4] Beginning balance + additions for the month/2  
[5] NC 1107 Cost of Capital  
[6] NC-1105 Total Depreciation Expense beginning on line 99

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Duke Energy Progress - Coal Ash Non ARO - Monthly Plant in Service

Line No.	Month	D FOS 315 ROXBORO #4- 50121	D FOS 312 ROXBORO #4- 50121	D FOS 311 ROXBORO COMMON-50121	D FOS 312 ROXBORO #1- 50121	D FOS 312 ROXBORO #3- 50121	D FOS 315 ROXBORO #3- 50121	D FOS 312 ROXBORO COMMON-50121	D TRN 353-BU- Transmission 50126	D FOS 311 MAYO #1-50121	D FOS 312 MAYO #1-50121	D FOS 312 ROXBORO #2- 50121	Total Monthly Activity
1	Jan-18	\$ 600	\$ 5,287	\$ 33,172									\$ 39,059
2	Feb-18	384	3,382										3,766
3	Mar-18	17	152										170
4	Apr-18	933	8,221										9,154
5	May-18	10	86		5,917,295								5,917,390
6	Jun-18	9	83		84,862								84,954
7	Jul-18	571	5,025	-	48,422								54,017
8	Aug-18	10	86		100,106								100,202
9	Sep-18	11	95		70,785								70,890
10	Oct-18	9	82		27,489								27,581
11	Nov-18	(46)	(404)		7,928,211		885,919						8,841,463
12	Dec-18	63	558	22,853,630	120,532	636,916	71,171	91,254,452	2,736,133				117,673,455
13	Jan-19			35,703,462	14,906	460,572	51,466	96,214	11,224				36,337,843
14	Feb-19			697,284	6,623	875,255	97,803	1,566,335	5,922				3,249,222
15	Mar-19			11,194,568	(108)	(106,205)	(11,868)	1,037,832	19,112	38,659,682			50,793,013
16	Apr-19			942,879		54,676		126,675,492	4,552	306,135	16,184,956	296	144,169,186
17	May-19			350,999		(138,986)		4,047,193	13,597	27,052,817	133,850		31,459,469
18	Jun-19			557,054		21,523		1,672,839	18,087	510,840	101,737		2,882,081
19	Jul-19												-
20	Aug-19												-
21	Sep-19												-
22	Oct-19												-
23	Nov-19												-
24	Dec-19												-
25	Jan-20												-
26	Feb-20												-
27	Total	\$ 2,572	\$ 22,654	\$ 72,333,048	\$ 6,418,692	\$ 9,732,161	\$ 1,094,491	\$ 226,350,356	\$ 2,808,626	\$ 66,529,474	\$ 16,420,543	\$ 296	\$ 401,712,915

Source: Duke Energy Asset Accounting



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Duke Energy Progress - Coal Ash Non ARO - Total Plant in Service

Line	No.	Month	D FOS 315 ROXBORO #4- 50121	D FOS 312 ROXBORO #4- 50121	D FOS 311 ROXBORO COMMON-50121	D FOS 312 ROXBORO #1- 50121	D FOS 312 ROXBORO #3- 50121	D FOS 315 ROXBORO #3- 50121	D FOS 312 COMMON-50121	D TRN 353-BU- Transmission 50126	D FOS 311 MAYO #1-50121	D FOS 312 MAYO #1-50121	D FOS 312 ROXBORO 50121	Total Balance Activity
28		Jan-18	600	5,287	33,172	-	-	-	-	-	-	-	-	39,059
29		Feb-18	984	8,669	33,172	-	-	-	-	-	-	-	-	42,825
30		Mar-18	1,002	8,821	33,172	-	-	-	-	-	-	-	-	42,995
31		Apr-18	1,935	17,042	33,172	-	-	-	-	-	-	-	-	52,149
32		May-18	1,945	17,128	33,172	5,917,295	-	-	-	-	-	-	-	5,969,539
33		Jun-18	1,954	17,211	33,172	6,002,156	-	-	-	-	-	-	-	6,054,493
34		Jul-18	2,525	22,236	33,172	6,050,579	-	-	-	-	-	-	-	6,108,511
35		Aug-18	2,534	22,322	33,172	6,150,685	-	-	-	-	-	-	-	6,208,713
36		Sep-18	2,545	22,417	33,172	6,221,469	-	-	-	-	-	-	-	6,279,603
37		Oct-18	2,555	22,499	33,172	6,248,958	-	-	-	-	-	-	-	6,307,183
38		Nov-18	2,509	22,095	33,172	6,276,741	7,928,211	885,919	-	-	-	-	-	15,148,647
39		Dec-18	2,572	22,654	22,886,802	6,397,273	8,565,127	957,090	91,254,452	2,736,133	-	-	-	132,822,102
40		Jan-19	2,572	22,654	58,590,264	6,412,178	9,025,699	1,008,555	91,350,665	2,747,357	-	-	-	169,159,945
41		Feb-19	2,572	22,654	59,287,548	6,418,801	9,900,953	1,106,359	92,917,001	2,753,279	-	-	-	172,409,167
42		Mar-19	2,572	22,654	70,482,116	6,418,692	9,794,749	1,094,491	93,954,833	2,772,391	38,659,682	-	-	223,202,180
43		Apr-19	2,572	22,654	71,424,995	6,418,692	9,849,624	1,094,491	220,630,324	2,776,943	38,965,817	16,184,956	296	367,371,365
44		May-19	2,572	22,654	71,775,993	6,418,692	9,710,638	1,094,491	224,677,517	2,790,540	66,018,634	16,318,806	296	398,830,834
45		Jun-19	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
46		Jul-19	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
47		Aug-19	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
48		Sep-19	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
49		Oct-19	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
50		Nov-19	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
51		Dec-19	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
52		Jan-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
53		Feb-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
54		Mar-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
55		Apr-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
56		May-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
57		Jun-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
58		Jul-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915
59		Aug-20	2,572	22,654	72,333,048	6,418,692	9,732,161	1,094,491	226,350,356	2,808,626	66,529,474	16,420,543	296	401,712,915

Source: Duke Energy Asset Accounting

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Duke Energy Progress - Coal Ash Non ARO - Total Plant - Net of JAAR Impact

Line No.	Month	D FOS 315		D FOS 312		D FOS 311		D FOS 312		D FOS 315		D FOS 312		D TRN 353-BU-		D FOS 311		D FOS 312		Total Balance Activity
		ROXBORO #4-50121	ROXBORO #4-50121	COMMON-50121	ROXBORO #1-50121	ROXBORO #3-50121	COMMON-50121	Transmission 50126	#1-50121	MAYO #1-50121	MAYO #1-50121	ROXBORO #2-50121								
60	JAAR Allocation %	12.94%	12.94%	3.77%				3.77%		16.17%	16.17%									
61	Jan-18	\$ 523	\$ 4,603	\$ 31,921		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,047	
62	Feb-18	857	7,547	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	40,325	
63	Mar-18	872	7,680	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	40,473	
64	Apr-18	1,685	14,837	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	48,443	
65	May-18	1,693	14,912	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	5,965,821	
66	Jun-18	1,701	14,984	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	6,050,763	
67	Jul-18	2,198	19,359	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	6,104,056	
68	Aug-18	2,206	19,434	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	6,204,246	
69	Sep-18	2,216	19,516	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	6,275,122	
70	Oct-18	2,224	19,588	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	6,302,691	
71	Nov-18	2,184	19,236	31,921		-	-	-	-	-	-	-	-	-	-	-	-	-	15,144,212	
72	Dec-18	2,239	19,723	22,023,970		6,397,273	8,565,127	957,090	87,814,159	2,736,133	-	-	-	-	-	-	-	-	128,515,712	
73	Jan-19	2,239	19,723	56,381,411		6,412,178	9,025,699	1,008,555	87,906,745	2,747,357	-	-	-	-	-	-	-	-	163,503,908	
74	Feb-19	2,239	19,723	57,052,408		6,418,801	9,900,953	1,106,359	89,414,030	2,753,279	-	-	-	-	-	-	-	-	166,667,791	
75	Mar-19	2,239	19,723	67,824,940		6,418,692	9,794,749	1,094,491	90,412,735	2,772,391	32,408,411	-	-	-	-	-	-	-	210,748,372	
76	Apr-19	2,239	19,723	68,732,273		6,418,692	9,849,624	1,094,491	212,312,561	2,776,943	32,665,044	13,567,849	-	-	-	-	-	-	347,439,735	
77	May-19	2,239	19,723	69,070,039		6,418,692	9,710,638	1,094,491	216,207,175	2,790,540	55,343,421	13,680,055	-	-	-	-	-	-	374,337,308	
78	Jun-19	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
79	Jul-19	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
80	Aug-19	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
81	Sep-19	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
82	Oct-19	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
83	Nov-19	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
84	Dec-19	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
85	Jan-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
86	Feb-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
87	Mar-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
88	Apr-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
89	May-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
90	Jun-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
91	Jul-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	
92	Aug-20	2,239	19,723	69,606,092		6,418,692	9,732,161	1,094,491	217,816,948	2,808,626	55,771,658	13,765,342	-	-	-	-	-	-	377,036,268	

Source: Duke Energy Asset Accounting

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
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Duke Energy Progress - Coal Ash Non ARO - System Depreciation Expense (Net of JAAR)

	D FOS 315 ROXBORO #4- 50121	D FOS 312 ROXBORO #4- 50121	D FOS 311 ROXBORO COMMON-50121	D FOS 312 ROXBORO #1- 50121	D FOS 312 ROXBORO #3- 50121	D FOS 315 ROXBORO #3- 50121	D FOS 312 ROXBORO COMMON-50121	D TRN 353-BU- Transmission 50126	D FOS 311 MAYO #1-50121	D FOS 312 MAYO #1-50121	D FOS 312 ROXBORO #2- 50121	Total Balance Activity
93	Depr Rate Prior To 3/16/2018	0.45%	0.45%	3.26%								
94	Depr Rate Beg. 3/16/2018	3.05%	1.33%	5.03%	6.56%	4.74%	4.61%	1.91%	1.90%	1.95%	4.02%	5.04%
95	Jan-18	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
96	Feb-18	0	2	87	-	-	-	-	-	-	-	89
97	Mar-18	1	6	110	-	-	-	-	-	-	-	117
98	Apr-18	2	9	134	-	-	-	-	-	-	-	145
99	May-18	4	16	134	-	-	-	-	-	-	-	155
100	Jun-18	4	17	134	32,348	-	-	-	-	-	-	32,503
101	Jul-18	4	17	134	32,812	-	-	-	-	-	-	32,967
102	Aug-18	21	21	134	33,076	-	-	-	-	-	-	33,237
103	Sep-18	6	22	134	33,624	-	-	-	-	-	-	33,785
104	Oct-18	6	22	134	34,011	-	-	-	-	-	-	34,172
105	Nov-18	6	22	134	34,161	-	-	-	-	-	-	34,322
106	Dec-18	6	21	134	34,313	31,316	3,403	-	-	-	-	69,193
107	Jan-19	6	22	92,317	34,972	33,832	3,677	139,771	4,332	-	-	308,929
108	Feb-19	6	22	236,332	35,053	35,652	3,875	139,918	4,350	-	-	455,207
109	Mar-19	6	22	239,145	35,089	39,109	4,250	142,317	4,359	-	-	464,297
110	Apr-19	6	22	284,300	35,089	38,689	4,205	143,907	4,390	52,664	-	563,270
111	May-19	6	22	288,103	35,089	38,906	4,205	337,931	4,397	53,081	-	807,192
112	Jun-19	6	22	289,519	35,089	38,357	4,205	344,130	4,418	89,933	45,828	851,507
113	Jul-19	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
114	Aug-19	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
115	Sep-19	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
116	Oct-19	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
117	Nov-19	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
118	Dec-19	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
119	Jan-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
120	Feb-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
121	Mar-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
122	Apr-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
123	May-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
124	Jun-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
125	Jul-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412
126	Aug-20	6	22	291,766	35,089	38,442	4,205	346,692	4,447	90,629	46,114	857,412

Source: Duke Energy Asset Accounting

Depreciation Expense = Prior month Total Plant Net of JAAR \* Depreciation Rate /12

Duke Energy Progress, LLC  
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Duke Energy Progress - Cost of Service - Allocation Factors

<u>Line</u> <u>No.</u>	<u>Allocation Factor</u>	<u>NC Retail</u> <u>2016</u>	<u>NC Retail</u> <u>2017</u>	<u>NC Retail</u> <u>2018</u>
1	Allocation Factor - DPAll Demand at Generation Level	60.6008%	61.3372%	61.5278%
2	Allocation Factor - Energy @ Prod. Output MWHs at Generation	60.8102%	60.8452%	61.1093%

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**Cost of debt and Equity for coal ash deferral periods**

<b>Sep 2017 - Dec 2017</b>					
	Capitalization Ratio [1]	Approved Cost Rate [1]	WEIGHTED COST OF CAPITAL		
			RETURN	AFTER TAX	BEFORE TAX
	(a)	(b)	(c) = (a) x (b)	(d)	
LONG TERM DEBT	47.00%	4.57%	2.1479%	1.3519%	2.1479%
EQUITY	53.00%	10.20%	5.4060%	5.4060%	7.0670% (f) = (d)/((a)-(e))
TOTAL	100.00%		7.5539%	6.7579%	9.2149%

Return on Equity 2.188%

Effective State and Federal Income Tax Rate 37.06% (e)

<b>Jan-Feb 2018</b>					
	Capitalization Ratio [1]	Approved Cost Rate [1]	WEIGHTED COST OF CAPITAL		
			RETURN	AFTER TAX	BEFORE TAX
	(a)	(b)	(c) = (a) x (b)	(d)	
LONG TERM DEBT	47.00%	4.57%	2.1479%	1.6431%	2.1479%
EQUITY	53.00%	10.20%	5.4060%	5.4060%	7.0670% (f) = (d)/((a)-(e))
TOTAL	100.00%		7.5539%	7.0491%	9.2149%

Return on Equity 2.479%

Effective State and Federal Income Tax Rate 23.50% [3]

<b>Mar - Dec 2018</b>					
	Capitalization Ratio [2]	Approved Cost Rate [2]	WEIGHTED COST OF CAPITAL		
			RETURN	AFTER TAX	BEFORE TAX
	(a)	(b)	(c) = (a) x (b)	(d)	
LONG TERM DEBT	48.00%	4.05%	1.9440%	1.4871%	1.9440%
EQUITY	52.00%	9.90%	5.1480%	5.1480%	6.7297% (f) = (d)/((a)-(e))
TOTAL	100.00%		7.0920%	6.6351%	8.6737%

Return on Equity 2.585%

Effective State and Federal Income Tax Rate 23.50% [3]

<b>2019</b>					
	Capitalization Ratio [2]	Approved Cost Rate [2]	WEIGHTED COST OF CAPITAL		
			RETURN	AFTER TAX	BEFORE TAX
	(a)	(b)	(c) = (a) x (b)	(d)	
LONG TERM DEBT	48.00%	4.05%	1.9440%	1.4936%	1.9440%
EQUITY	52.00%	9.90%	5.1480%	5.1480%	6.7004% (f) = (d)/((a)-(e))
TOTAL	100.00%		7.0920%	6.6416%	8.6444%

Return on Equity 2.592%

Effective State and Federal Income Tax Rate 23.17% [4]

- [1] Cost of capital rates from Docket No. E-2, Sub 1023  
[2] Cost of capital rates from Docket No. E-2, Sub 1142  
[3] Duke Energy Accounting  
[4] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
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Depreciation Rates

Line No.	Depreciation Rate	Prior to	Beg. Mar
		Mar 16 2018	16 2018 {1]
1	D FOS 315 ROXBORO #4	0.45%	3.05%
2	D FOS 311 ROXBORO COMMON	3.26%	5.03%
3	D FOS 312 ROXBORO #3-50121		4.74%
4	D FOS 312 ROXBORO #4	0.45%	1.33%
5	D FOS 312 ROXBORO #1		6.56%
6	D FOS 315 ROXBORO #3-50121		4.61%
7	D FOS 312 ROXBORO COMMON-50121		1.91%
8	D FOS 312 ROXBORO #2-50121		5.04%
9	D FOS 311 MAYO #1-50121		1.95%
10	D FOS 312 MAYO #1-50121		4.02%
11	D TRN 353-BU-Transmission 50126		1.90%

Source: Duke Energy Asset Accounting



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(Dollars in thousands)

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### Estimate of Cost of Removal for Closure of Ash Ponds

Line	Plant	(a) Decommissioning Amount for Closure of Ash Ponds [1] Closure of Ash Ponds [2]	(b) Project Indirects Adder (5%) [2]	(c) Contingency (10%) [2]	(d) Total	(e) Est. Retirement Date per Depr Study	(f) Depr Study Implementation Date	(g) Retail Recovery Period (in years) [4]	Wholesale Recovery Period (in years) [5]	(h) = [3] x (d)/(g) Annual Retail COR for Ash Pond Closure	(k)=[3] x (d)/(g) NC Annual Retail COR	(l)=[3] x (d)/(g) Wholesale/ Remaining Annual for Closure of COR	(k) x (l) Annual COR of Ash Ponds
3	Cape Fear	\$ 22,000	\$ 1,100	\$ 2,200	\$ 25,300		July 1, 2012	10	13	\$ 1,882	\$ 1,631	\$ 505	\$ 2,136
4	Lee	43,000	2,150	4,300	49,450		July 1, 2012	10	27	3,678	3,187	464	3,651
5	Robinson	11,000	550	1,100	12,650		July 1, 2012	10	27	941	815	120	935
6	Sutton	21,000	1,050	2,100	24,150		July 1, 2012	10	16	1,796	1,557	395	1,952
7	Weatherpoon	7,000	350	700	8,050		July 1, 2012	10	24	599	519	85	604
8	Subtotal Early-Retired Plants	104,000	5,200	10,400	119,600					8,895	7,709	1,569	9,278
9	Asheville	9,000	450	900	10,350	2033	July 1, 2012	21	21	367	318	126	444
10	Mayo	19,000	950	1,900	21,850	2035	July 1, 2012	23	23	707	612	243	856
11	Roxboro	47,000	2,350	4,700	54,050	2035	July 1, 2012	23	23	1,748	1,515	602	2,117
12	Subtotal active plants	75,000	3,750	7,500	86,250					2,821	2,445	972	3,417
13	Total	\$ 179,000	\$ 8,950	\$ 17,900	\$ 205,850					\$ 11,716	\$ 10,153	\$ 2,541	\$ 12,694

[1] Amounts reflect 100% system amounts.

[2] Amounts per DEP Dismantlement Study

[3] Based on allocation factors from the 2012 NC rate case

COR for Ash Pond Closure 74.371%

NC Retail 64.454%

Wholesale 25.629%

[4] Remaining Life per Depreciation Study

[5] Remaining Life per FERC Settlement Agreement

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Annualize O&M non-labor expenses  
For the test period ended December 31, 2018

NC-1200  
Narrative  
Application

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro-forma annualizes test period operation and maintenance expenses excluding fuel, purchased power, and labor and benefit costs to reflect the change in unit costs that occurred during the test period.

The impact to operation and maintenance expenses is determined as follows:

First, calculate total operation and maintenance expense excluding fuel and purchased power but including labor that needs to be adjusted. This calculation is done by starting with per book operation and maintenance expense, excluding fuel and purchased power, and subtracting all pro-forma adjustments that impacted this amount.

Second, subtract net electric operation and maintenance salaries and wages from operation and maintenance expenses including labor.

Third, subtract fringe benefits from operation and maintenance expenses including labor. Fringe benefits are calculated by multiplying net electric operation and maintenance salaries and wages by the fringe benefits contribution rate.

Finally, the impact to operation and maintenance expense is calculated by multiplying total non-labor operation and maintenance expenses by the average inflation rate.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Annualize O&M non-labor expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1200  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-1201	1,311
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-1201	(304)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L6 through L15	1,007
18			
19	Operating income	L4 - L17	<u>\$ (1,007)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			-
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ -</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Annualize O&M non-labor expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1201  
Application

Line No.	Description	Application		
		Total System	NC Retail Allocation	Total NC Retail
1				
2				
3	O&M (excluding fuel and purchased power)	\$ 1,546,719 [1]		\$ 1,050,819 [1]
4				
5	Less: reagents expense and proceeds from sale of by-products	(102,730) [2]		(62,778) [2]
6	Less: costs recovered through non-fuel riders	(192,874) [3]		(136,112) [3]
7	Less: Ernst & Young outside tax services contract	(592) [4]	66.2120% [20]	(392) [4]
8	Less: nuclear refueling outage costs	(40,225) [5]		(40,225) [5]
9	Less: amortization of prior rate case costs	(1,012) [6]		(1,012) [6]
10	Less: aviation expenses	(1,579) [7]	66.2120% [20]	(1,045) [7]
11	Less: expiring amortizations	(1,673) [8]		(1,673) [8]
12	Less: merger related costs	(5,969) [9]		(4,039) [9]
13	Less: severance and retention costs	(52,883) [10]	66.2120% [20]	(35,015) [10]
14	Less: vegetation management expenses - distribution	(36,515) [11]	83.9171% [18]	(30,643) [11]
15	Less: vegetation management expenses - transmission	(8,143) [11]	59.6699% [19]	(4,859) [11]
16	Less: NCUC regulatory fee	(4,889) [12]		(4,889) [12]
17	Less: CertainTeed payment obligation	(2,100) [13]	61.1093% [21]	(1,283) [13]
18				
19	Total O&M to be adjusted including labor (Sum L3 through L17)	\$ 1,095,536		\$ 726,856
20				
21	Net electric O&M salaries and wages	\$ 649,874 [14]		
22	Fringe benefits contribution rate	20.50% [15]		
23	Fringe benefits (L21 x L22)	\$ 133,210		
24				
25	Less: net electric O&M salaries & wages and fringe benefits (L21 + L23)	\$ 783,084	66.2120% [20]	\$ 518,496
26				
27	Total non-labor O&M to be adjusted (L19 - L25)	\$ 312,452		\$ 208,360
28	Average inflation rate	0.63% [16]		0.63% [15]
29	Impact to O&M - non-labor O&M adjustment to reflect end of period costs (L27 x L28)	\$ 1,966		\$ 1,311
30				
31	Statutory tax rate	23.1693% [17]		23.1693% [16]
32	Impact to income taxes (-L29 x L31)	\$ (456)		\$ (304)
33	Impact to operating income (-L29 - L32)	\$ (1,511)		\$ (1,007)

- [1] Smith Exhibit 1, Other O&M, Page 1, Line 4, Columns 1 and 2  
[2] NC-0201 - Update fuel costs to approved rate  
[3] NC-0601 - Eliminate costs recovered through non-fuel riders, Line 23  
[4] NC-1311 - Adjustment to annualized Ernst & Young outside tax services contract, Line 2  
[5] NC-1501 - Levelize nuclear refueling outage costs, Line 21  
[6] E-1 tem 45A  
[7] NC-1702 - Adjust aviation expenses, Line 5  
[8] NC-1801 - Adjust for approved regulatory assets and liabilities, Line 3  
[9] NC-1901 - Adjust for merger related costs, Line 4  
[10] NC-2001 - Amortize severance costs - Actuals, Line 4  
[11] NC-2702 - Adjust for vegetation management - distribution and transmission, Lines 11 and 23  
[12] E-1 Item 45A  
[13] NC-3301, Line 10  
[14] NC-1301, Line 14  
[15] NC-1301, Line 34  
[16] NC-1203 - Average of Consumer Price Index and Producer Price Index, Line 19  
[17] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10  
[18] NC Retail Allocation Factor - RB\_PLT\_O\_DI\_OH\_LN  
[19] NC Retail Allocation Factor - DTALL  
[20] NC Retail Allocation Factor - LAB  
[21] NC Retail Allocation Factor - E1ALL

Duke Energy Progress, LLC  
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For the test period ended December 31, 2018

NC-1202  
Application

Average of Consumer Price Index and Producer Price Index

Line No.	Period	CPI [1] (a)	PPI [2] Finished goods less food & energy (b)	PPI [3] Processed materials less food & energy (c)	PPI Average (d)= Average of (b) and (c)
1	December 2017	246.5	200.6	196.3	
2	January 2018	247.9	200.9	197.2	
3	February 2018	249.0	201.3	198.3	
4	March 2018	249.6	201.8	199.3	
5	April 2018	250.5	202.3	199.8	
6	May 2018	251.6	202.7	201.3	
7	June 2018	252.0	203.1	202.3	
8	July 2018	252.0	203.7	203.0	
9	August 2018	252.1	204.2	203.7	
10	September 2018	252.4	204.6	204.5	
11	October 2018	252.9	205.1	204.8	
12	November 2018	252.0	205.6	204.2	
13	December 2018	251.2	205.8	203.1	
14					
15	13 month average	250.8	203.2	201.4	
16					
17	Increase from average to year end (L13 - L15)	0.5	2.6	1.7	
18	% increase from average to year end (L17 / L15)	0.19%	1.28%	0.86%	1.07%
19	Average inflation rate (Average, Line 18, Col. (a) and Col. (d))	0.63%			

[1] NC-1203 - Consumer Price Index - All Items

[2] NC-1204 - Producer Price Index - Commodities - Finished goods less food and energy

[3] NC-1205 - Producer Price Index - Commodities - Processed materials less food and energy

Note: Totals may not foot due to rounding.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Annualize O&M non-labor expenses  
For the test period ended December 31, 2018

NC-1203  
Application

**Consumer Price Index - All Urban Consumers**  
**Original Data Value**

**Series Id:** CUUR0000SA0  
**Not Seasonally Adjusted**  
**Area:** U.S. city average  
**Item:** All items  
**Base Period:** 1982-84=100  
**Years:** 2009 to 2019

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
2009	211.1	212.2	212.7	213.2	213.9	215.7	215.4	215.8	216.0	216.2	216.3	215.9	214.5
2010	216.7	216.7	217.6	218.0	218.2	218.0	218.0	218.3	218.4	218.7	218.8	219.2	218.1
2011	220.2	221.3	223.5	224.9	226.0	225.7	225.9	226.5	226.9	226.4	226.2	225.7	224.9
2012	226.7	227.7	229.4	230.1	229.8	229.5	229.1	230.4	231.4	231.3	230.2	229.6	229.6
2013	230.3	232.2	232.8	232.5	232.9	233.5	233.6	233.9	234.1	233.5	233.1	233.0	233.0
2014	233.9	234.8	236.3	237.1	237.9	238.3	238.3	237.9	238.0	237.4	236.2	234.8	236.7
2015	233.7	234.7	236.1	236.6	237.8	238.6	238.7	238.3	237.9	237.8	237.3	236.5	237.0
2016	236.9	237.1	238.1	239.3	240.2	241.0	240.6	240.8	241.4	241.7	241.4	241.4	240.0
2017	242.8	243.6	243.8	244.5	244.7	245.0	244.8	245.5	246.8	246.7	246.7	246.5	245.1
2018	247.9	249.0	249.6	250.5	251.6	252.0	252.0	252.1	252.4	252.9	252.0	251.2	251.1
2019	251.7	252.8	254.2	255.5	256.1	256.1							

Source: Bureau of Labor Statistics



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Annualize O&M non-labor expenses  
For the test period ended December 31, 2018

NC-1204  
Application

**Producer Price Index-Commodities**  
**Original Data Value**

**Series Id:** WPSFD4131  
**Seasonally Adjusted**  
**Group:** Final demand  
**Item:** Finished goods less foods and energy  
**Base Date:** 198200  
**Years:** 2009 to 2019

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
<b>2009</b>	170.8	170.9	171.2	171.3	171.2	171.8	171.4	171.8	171.6	171.5	172.1	172.1	171.5
<b>2010</b>	172.5	172.6	172.9	172.9	173.4	173.6	173.7	173.9	174.3	174.3	174.3	174.6	173.6
<b>2011</b>	175.3	175.7	176.2	176.8	177.0	177.6	178.2	178.5	179.0	179.4	179.6	180.0	177.8
<b>2012</b>	180.7	181.0	181.3	181.6	181.8	182.1	182.9	183.2	183.2	183.3	183.7	183.7	182.4
<b>2013</b>	183.9	184.2	184.4	184.6	184.8	185.0	185.2	185.3	185.4	185.6	185.9	186.7	185.1
<b>2014</b>	187.5	187.7	187.7	187.9	188.2	188.5	188.7	189.0	189.2	189.7	189.7	189.8	188.6
<b>2015</b>	190.7	191.3	191.5	191.6	191.8	192.7	193.0	193.0	193.2	193.0	193.1	193.4	192.4
<b>2016</b>	193.9	194.2	194.3	194.6	194.9	195.4	195.4	195.7	195.8	196.1	196.3	196.7	195.3
<b>2017</b>	197.1	197.4	197.8	198.5	198.6	198.8	198.9	199.2	199.2	200.0	200.5	200.6	198.9
<b>2018</b>	200.9	201.3	201.8	202.3	202.7	203.1	203.7	204.2	204.6	205.1	205.6	205.8	203.4
<b>2019</b>	206.6	206.9	207.2	207.5	207.7	207.8							

Source: Bureau of Labor Statistics

Note: Items highlighted green above are preliminary. All indexes are subject to revision four months after original publication.

Duke Energy Progress, LLC  
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Annualize O&M non-labor expenses  
For the test period ended December 31, 2018

NC-1205  
Application

**Producer Price Index-Commodities**  
**Original Data Value**

**Series Id:** WPSID69115  
**Seasonally Adjusted**  
**Group:** Intermediate demand by commodity type  
**Item:** Processed materials less foods and  
**Base Date:** 198200  
**Years:** 2009 to 2019

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
2009	174.8	173.5	172.7	171.8	171.4	171.8	172.2	173.2	174.2	174.5	174.9	175.9	173.4
2010	177.0	178.4	179.6	181.4	181.8	180.9	180.2	180.5	180.9	182.0	183.1	184.1	180.8
2011	186.6	188.8	190.2	192.4	193.5	193.7	194.2	194.2	194.2	193.0	192.3	191.3	192.0
2012	192.0	193.2	194.5	194.7	194.1	191.9	191.2	191.3	192.0	192.2	192.1	192.6	192.7
2013	193.7	194.7	194.4	193.9	193.6	193.5	193.3	193.7	193.7	193.6	193.6	194.0	193.8
2014	194.6	195.2	194.8	195.1	195.0	195.1	195.9	196.3	196.3	195.8	194.9	193.9	195.2
2015	191.8	191.1	190.5	190.1	190.1	190.2	190.0	189.1	188.1	187.7	187.1	186.6	189.4
2016	185.8	185.2	185.1	185.7	186.2	186.6	186.9	187.4	187.7	188.0	188.7	189.4	186.9
2017	190.0	191.3	192.1	192.9	192.8	193.1	192.9	193.5	194.2	195.0	196.0	196.3	193.3
2018	197.2	198.3	199.3	199.8	201.3	202.3	203.0	203.7	204.5	204.8	204.2	203.1	201.8
2019	203.1	202.7	202.4	202.2	202.0	201.7							

Source: Bureau of Labor Statistics

Note: Items highlighted green above are preliminary. All indexes are subject to revision four months after original publication.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Normalize O&M labor expenses  
For the test period ended December 31, 2018

NC-1300  
Narrative  
Application

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Oct 30 2019

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro-forma adjusts operation and maintenance expense, general taxes and income taxes to normalize operation and maintenance labor costs.

The impact to operation and maintenance expense is determined as follows:

1. The salaries and wages booked during the test period are subtracted from salaries and wages at June 30, 2019 per Human Resources.
2. The percentage of electric operation and maintenance expense to apply to the salaries and wages adjustment is calculated as follows: total operation and maintenance labor per Form 1, Page 354 is divided by total salaries and wages excluding other work in progress and allocation of clearing accounts per Form 1, Page 355. The adjustment calculated in Step 1 is multiplied by this percentage.
3. The impact to related fringe benefit costs is calculated by multiplying the salaries and wage adjustment calculated in Step 1 by the fringe benefits contribution rate. The fringe benefits contribution rate is calculated by dividing account 926 - employee pensions and benefits booked during the test period by total operation and maintenance labor per Form 1, Page 354.
4. The impact to operation and maintenance expense also reflects an adjustment to restate variable short and long term pay booked during the test period to target.

The impact to general taxes reflects the change in the FICA tax base. To adjust general taxes, the salaries and wages adjustment calculated in Step 1 is multiplied by the percentage of wages subject to OASDI by the OASDI tax rate for employers. Next, the adjustment due to Medicare tax is calculated by multiplying the salaries and wages adjustment calculated in Step 1 by the Medicare tax rate.

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Normalize O&M labor expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1300  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-1301	(18,512)
11	Depreciation and amortization		-
12	General taxes	NC-1301	(1,089)
13	Interest on customer deposits		-
14	Income taxes	NC-1301	4,542
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(15,060)
18			
19	Operating income	L4 - L17	\$ 15,060
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ -
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

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Normalize O&M labor expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1301  
Page 1 of 2

Line No.	Description	As of		Pro Forma
		Labor Per Books	06/30/2019 HR Salaries	HR salaries
1				
2	Salaries and Wages by Payroll Company			
3	Duke Energy Carolinas - salaries and wages	\$ 85,883 [1]	\$ 81,391 [2]	\$ (4,492)
4	Service Company DEBS - salaries and wages - charged to Duke Energy Carolinas	133,040 [1]	133,256 [2]	216
5	Duke Energy Progress - salaries and wages - charged to Duke Energy Carolinas	425,470 [1]	397,960 [2]	(27,510)
6	Total salaries and wages (Sum L3 through L5)	<u>\$ 644,394</u>	<u>\$ 612,607</u>	<u>\$ (31,787)</u>
7				
8	Calculation of Electric O&M % to Apply to Salaries & Wages Adjustment			
9	Total salaries and wages (Form 1, Page 355, Line 96, Col (d))	\$ 878,621 [4]		
10	Less: other work in progress (Form 1, Page 355, Line 78, Col (b))	4,751 [4]		
11	Less: allocation of payroll charged for clearing accounts (Form 1, Page 355, Line 96, Col (c))	<u>18,495 [4]</u>		
12	Total salaries and wages - excluding other WIP and allocation of clearing accounts (L9 - L10 - L11)	<u>\$ 855,375</u>		
13				
14	Total operating and maintenance (Form 1, Page 354, Line 28, Col (b))	\$ 649,874 [4]		
15				
16	Percent of incurred costs charged to electric expense (L14 / L12)	<u>75.98%</u>		<u>75.98%</u>
17	Net electric O&M salaries and wages to adjust (L6 x L16)			<u>\$ (24,150)</u>
18				
19	Adjustment to General Taxes - FICA			
20	Net electric O&M salaries and wages to adjust (L17)			\$ (24,150)
21	Percentage of wages subject to OASDI			<u>\$ 86,49% [5]</u>
22	Electric wage adjustment subject to OASDI tax (L20 x L21)			<u>\$ (20,886)</u>
23	OASDI tax rate (employers)			<u>6.20% [6]</u>
24	Adjustment due to wage adjustment (before Medicare rate) (L22 x L23)			<u>\$ (1,295)</u>
25				
26	Net electric O&M salaries and wages to adjust (L17)			\$ (24,150)
27	Medicare tax rate			<u>1.45% [6]</u>
28	Adjustment due to Medicare tax (L26 x L27)			<u>\$ (350)</u>
29	Impact to general taxes (L24 + L28)			<u>\$ (1,645)</u>
30				
31	Calculation of Fringe Benefits Contribution Rate			
32	Account 926 - employee pensions and benefits - 12 Months Ended December 31, 2018	\$ 133,210 [7]		
33	Total operating and maintenance (Form 1, Page 354, Line 28, Col (b)) (L14)	<u>649,874</u>		
34	Fringe benefits contribution rate (L32 / L33)	<u>20.50%</u>		

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Normalize O&M labor expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1301  
Page 2 of 2

Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
35				
36	Calculation of O&M (Including Fringe Benefits & Variable Pay) and Income Tax			
37	Net electric O&M salaries and wages to adjust (L17)	\$ (24,150)		
38	Fringe benefits contribution rate (L34)	20.50%		
39	Fringe benefits adjustment (L37 x L38)	\$ (4,950)		
40				
41	Adjustment to restate variable short and long term pay at target	\$ (35) [8]		
42	Adjustment to Annualize E&Y Tax Service Contract	\$ 1,176		
43				
44	Impact to O&M (L37 + L39 + L41)	\$ (27,959)	66,2120% [9]	\$ (18,512)
45				
46	Impact to general taxes (L29)	\$ (1,645)	66,2120% [9]	\$ (1,089)
47				
48	Taxable income (-L44 - L46)	\$ 29,604		\$ 19,602
49	Statutory tax rate	23.1693% [10]		23.1693% [10]
50	Impact to income taxes (L48 x L49)	\$ 6,859		\$ 4,542
51				
52	Impact to operating income (L48 - L50)	\$ 22,745		\$ 15,060

[1] NC-1302 - Salaries and Wages by Payroll Company for Duke Energy Carolinas - 12 Months Ended Dec 31, 2018

[2] NC-1304 - Annual Salary Information by Payroll Company for Duke Energy Carolinas - Dec 31, 2018

[4] NC-1306 - Distribution of Salaries and Wages, 12 Months Ended December 31, 2018 (Form 1, Page 354-355)

[5] NC-1307 - Quarterly Federal Tax Summary Report

[6] NC-1308 - OASDI and SSI Program Rates & Limits - 2019

[7] NC-1309 - Duke Energy Progress - (926) Employee Pensions and Benefits - 12 Months Ended December 31, 2018

[8] NC-1310 - Variable Short and Long Term Pay for Duke Energy Progress

[9] NC Retail Allocation Factor - LAB

[10] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10



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Salaries and Wages by Payroll Company for Duke Energy Progress - 12 Months Ended December 31 2018

Line No.	Payroll Company	Resource Category	Capital	O&M	Total	
1						
2	Duke Energy Carolinas (Payroll Company 100)	Direct Labor	\$ 14,986,733	\$ 49,780,040	\$ 64,766,773	75.41%
3	Duke Energy Carolinas (Payroll Company 100)	Allocated Labor	2,634,654	18,481,953	21,116,607	24.59%
4	Subtotal		\$ 17,621,387	\$ 68,261,993	\$ 85,883,380	100.00%
5						
6	Service Company (Payroll Company 110) - charged to Duke Energy Carolinas	Direct Labor	\$ 35,368,447	\$ 78,383,690	\$ 113,752,137	85.50%
7	Service Company (Payroll Company 110) - charged to Duke Energy Carolinas	Allocated Labor	6,659,597	12,628,346	19,287,943	14.50%
8	Subtotal		\$ 42,028,044	\$ 91,012,036	\$ 133,040,080	100.00%
9						
10	Duke Energy Progress (Payroll Company 801) - charged to Duke Energy Carolinas	Direct Labor	\$ 102,240,101	\$ 252,616,285	\$ 354,856,386	83.40%
11	Duke Energy Progress (Payroll Company 801) - charged to Duke Energy Carolinas	Allocated Labor	20,004,454	50,609,387	70,613,841	16.60%
12	Subtotal		\$ 122,244,555	\$ 303,225,672	\$ 425,470,227	100.00%
13						
14	Total		<u>\$ 181,893,987</u>	<u>\$ 462,499,701</u>	<u>\$ 644,393,688</u>	

Note: Totals may not foot due to rounding  
Source: Duke Energy Progress General Accounting and Reporting

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There are no joint owner reimbursements to consider.

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Annual Salary Information by Payroll Company for Duke Energy Progress - June 30, 2019

Line No.	Payroll Company	Grand Total
1		
2	Duke Energy Carolinas (Payroll Company 100)	\$ 785,046,678 [2]
3	Duke Energy Carolinas % of labor charged to Duke Energy Progress	10.37% [1]
4	Duke Energy Carolinas labor charged to Duke Energy Progress (L2 x L3)	\$ 81,391,217
5		
6	Service Company (Payroll Company 110)	\$ 755,462,858 [2]
7	Service Company % of labor charged to Duke Energy Progress	17.64% [1]
8	Service Company labor charged to Duke Energy Progress (L6 x L7)	\$ 133,255,974
9		
10	Duke Energy Progress (Payroll Company 801)	\$ 433,848,268 [2]
11	Duke Energy Progress % of labor charged to Duke Energy Progress	91.73% [1]
12	Duke Energy Progress labor charged to Duke Energy Progress (L10 x L11)	\$ 397,959,992
13		
14	Total - sum of annual salaries (L4 + L8 + L12)	\$ 612,607,182

[1] NC-1305 - Labor Allocations by Business Unit Group - 12 Months Ended December 31, 2018

[2] Information provided by Duke Energy Human Resources Operations

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Labor Allocations by Business Unit Group - 12 Months Ended December 31, 2018

Base Labor Resource Types Included: 11000, 11002, 18000, 18001, 18005

Line No.	Resp Center Level 2 Node Name LVL	BU Group	Monetary Amount JD	Percentage
1				
2	100_DUKE_POWER_CONSO	1. DE Carolinas	\$ 697,464,780	84.20%
3	100_DUKE_POWER_CONSO	2. DE Progress	85,883,380	10.37%
4	100_DUKE_POWER_CONSO	3. DEBS	419,398	0.05%
5	100_DUKE_POWER_CONSO	4. Other	44,607,602	5.38%
6	100_DUKE_POWER_CONSO		<u>\$ 828,375,160</u>	<u>100.00%</u>
7				
8	110_SERVICE_COMPANY	1. DE Carolinas	\$ 200,402,530	26.57%
9	110_SERVICE_COMPANY	2. DE Progress	133,040,457	17.64%
10	110_SERVICE_COMPANY	3. DEBS	41,905,475	5.56%
11	110_SERVICE_COMPANY	4. Other	378,892,577	50.23%
12	110_SERVICE_COMPANY		<u>\$ 754,241,038</u>	<u>100.00%</u>
13				
14	801_DE_PROGRESS	1. DE Carolinas	\$ 29,216,870	6.30%
15	801_DE_PROGRESS	2. DE Progress	425,470,227	91.73%
16	801_DE_PROGRESS	3. DEBS	11,173	0.00%
17	801_DE_PROGRESS	4. Other	9,141,124	1.97%
18	801_DE_PROGRESS		<u>\$ 463,839,394</u>	<u>100.00%</u>
19				
20	Total		<u>\$ 2,046,455,592</u>	

Source: Duke Energy Corporate Accounting

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Name of Respondent Duke Energy Progress, LLC		This Report Is: (1) <input checked="checked" type="checkbox"/> An Original (2) <input type="checkbox"/> A Resubmission		Date of Report (Mo, Da, Yr) 04/12/2019	Year/Period of Report End of 2018/Q4
DISTRIBUTION OF SALARIES AND WAGES (Continued)					
Line No.	Classification (a)	Direct Payroll Distribution (b)	Allocation of Payroll charged for Clearing Accounts (c)	Total (d)	
48	Distribution				
49	Administrative and General				
50	TOTAL Maint. (Enter Total of lines 43 thru 49)				
51	Total Operation and Maintenance				
52	Production-Manufactured Gas (Enter Total of lines 31 and 43)				
53	Production-Natural Gas (Including Expl. and Dev.) (Total lines 32, 54)				
54	Other Gas Supply (Enter Total of lines 33 and 45)				
55	Storage, LNG Terminaling and Processing (Total of lines 31 thru 56)				
56	Transmission (Lines 35 and 47)				
57	Distribution (Lines 36 and 48)				
58	Customer Accounts (Line 37)				
59	Customer Service and Informational (Line 38)				
60	Sales (Line 39)				
61	Administrative and General (Lines 40 and 49)				
62	TOTAL Operation and Maint. (Total of lines 52 thru 61)				
63	Other Utility Departments				
64	Operation and Maintenance				
65	TOTAL All Utility Dept. (Total of lines 28, 62, and 64)	649,874,113	3,710,561	653,584,674	
66	Utility Plant				
67	Construction (By Utility Departments)				
68	Electric Plant	163,441,091	14,784,255	178,225,346	
69	Gas Plant				
70	Other (provide details in footnote):				
71	TOTAL Construction (Total of lines 68 thru 70)	163,441,091	14,784,255	178,225,346	
72	Plant Removal (By Utility Departments)				
73	Electric Plant	30,303,443		30,303,443	
74	Gas Plant				
75	Other (provide details in footnote):				
76	TOTAL Plant Removal (Total of lines 73 thru 75)	30,303,443		30,303,443	
77	Other Accounts (Specify, provide details in footnote):				
78	Non-Regulated Products and Services	4,750,987		4,750,987	
79	Other Work in Progress	4,471,750		4,471,750	
80	Other Accounts	7,284,796		7,284,796	
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95	TOTAL Other Accounts	16,507,533		16,507,533	
96	TOTAL SALARIES AND WAGES	860,126,180	18,494,816	878,620,996	



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Quarterly Federal Tax Summary Report (Report ID: TAX010FD) - Summary

Source: Duke Energy HR Operations

Line No.	Description	(a)	(b)	(c)	12 Months Ended Dec 31, 2018 (d)
1					
2	Duke Energy Carolinas				
3	100 Duke Energy Carolinas, LLC OASDI [ER] YTD Gross Wages				\$ 1,087,229,757 [1]
4	100 Duke Energy Carolinas, LLC OASDI [ER] YTD Taxable Wages				938,515,849 [1]
5	Percentage Total (L4 / L3)				86.32%
6					
7	Duke Energy Business Services				
8	110 Duke Energy Business Services, LLC OASDI [ER] YTD Gross Wages				\$ 950,101,600 [2]
9	110 Duke Energy Business Services, LLC OASDI [ER] YTD Taxable Wages				778,374,460 [2]
10	Percentage Total (L9 / L8)				81.93%
11					
12	<u>Duke Energy Progress</u>				
13	801 Duke Energy Progress, LLC OASDI [ER] YTD Gross Wages				\$ 613,149,643 [3]
14	801 Duke Energy Progress, LLC OASDI [ER] YTD Taxable Wages				539,237,877 [3]
15	Percentage Total (L14 / L13)				87.95%
16					
17	<u>Calculation of Percentage of Wages Subject to OASDI</u>				
18	<u>For 12 Months Ended December 31, 2018</u>				
19	Duke Energy Carolinas	\$ 85,883,380 [4]	13.33% [5]	86.32% [8]	11.50% [11]
20	Duke Energy Business Services	133,040,080 [4]	20.65% [6]	81.93% [9]	16.91% [11]
21	Duke Energy Progress	425,470,227 [4]	66.03% [7]	87.95% [10]	58.07% [11]
22	Total (Sum L19 through L21)	<u>\$644,393,688</u>	<u>100.00%</u>		<u>86.49%</u>

[1] NC-1307, Quarterly Federal Tax Summary Report - 4th Quarter 2018, Company: 100

[2] NC-1307, Quarterly Federal Tax Summary Report - 4th Quarter 2018, Company: 110

[3] NC-1307, Quarterly Federal Tax Summary Report - 4th Quarter 2018, Company: 801

[4] NC-1302 - Salaries and Wages by Payroll Company for Duke Energy Progress - 12 Months Ended December 31, 2018

[5] Column (a), Line 19 divided by Line 22

[6] Column (a), Line 20 divided by Line 22

[7] Column (a), Line 21 divided by Line 22

[8] Column (d), Line 5

[9] Column (d), Line 10

[10] Column (d), Line 15

[11] Column (b) multiplied by Column (c)

Duke Energy Progress, LLC

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Normalize O&amp;M labor expenses

For the test period ended December 31, 2018

## Quarterly Federal Tax Summary Report

Company	Quarter	Tax Authority	EIN	Tax	QTD Withheld	QTD Taxable Wages	QTD Gross Wages	YTD Tax Withheld	YTD Taxable Wages	YTD Gross Wages
100 Duke Energy Carolinas, LLC	2018-Q4	Federal	56-0205520	Additional Medicare Tax	104,974.70	11,663,853.10	11,663,853.10	282,793.95	31,421,542.88	31,421,542.88
100 Duke Energy Carolinas, LLC	2018-Q4	Federal	56-0205520	Federal Withholding	28,536,104.44	217,903,543.03	247,576,721.94	128,668,020.04	951,227,720.66	1,085,375,221.61
100 Duke Energy Carolinas, LLC	2018-Q4	Federal	56-0205520	FUI (ER)	7,814.72	1,302,349.11	247,394,057.93	425,889.10	70,981,398.12	1,085,502,960.39
100 Duke Energy Carolinas, LLC	2018-Q4	Federal	56-0205520	Medicare (ER)	3,427,570.58	236,384,057.64	247,916,479.73	15,075,010.04	1,039,655,751.63	1,087,229,756.77
100 Duke Energy Carolinas, LLC	2018-Q4	Federal	56-0205520	Medicare	3,427,602.66	236,384,552.37	247,936,628.56	15,075,015.30	1,039,656,246.36	1,087,229,699.23
100 Duke Energy Carolinas, LLC	2018-Q4	Federal	56-0205520	OASDI (ER)	11,044,837.60	178,142,417.46	247,916,479.73	58,187,990.70	938,515,848.91	1,087,229,756.77
100 Duke Energy Carolinas, LLC	2018-Q4	Federal	56-0205520	OASDI	11,044,869.55	178,142,912.19	246,965,125.67	58,188,013.61	938,516,343.64	1,084,491,252.86
110 Duke Energy Business Services, LLC	2018-Q4	Federal	56-2115358	Additional Medicare Tax	191,753.93	21,305,989.49	21,305,989.49	651,529.46	72,392,154.27	72,392,154.27
110 Duke Energy Business Services, LLC	2018-Q4	Federal	56-2115358	Federal Withholding	24,460,997.11	182,836,171.89	207,390,610.00	122,163,890.03	835,162,767.20	947,110,242.18
110 Duke Energy Business Services, LLC	2018-Q4	Federal	56-2115358	FUI (ER)	8,159.62	1,359,946.18	207,624,794.33	375,114.04	62,519,025.03	948,631,033.96
110 Duke Energy Business Services, LLC	2018-Q4	Federal	56-2115358	Medicare (ER)	2,872,403.28	198,096,763.28	208,008,186.10	13,197,524.85	910,174,139.03	950,101,596.15
110 Duke Energy Business Services, LLC	2018-Q4	Federal	56-2115358	Medicare	2,872,409.66	198,097,158.67	208,059,234.06	13,197,530.70	910,174,542.29	950,064,243.15
110 Duke Energy Business Services, LLC	2018-Q4	Federal	56-2115358	OASDI (ER)	9,085,708.46	146,543,683.20	208,008,190.06	48,259,216.85	778,374,455.54	950,101,600.11
110 Duke Energy Business Services, LLC	2018-Q4	Federal	56-2115358	OASDI	9,085,473.10	146,543,922.04	204,973,055.80	48,259,232.15	778,374,706.55	935,817,798.97
801 Duke Energy Progress, LLC	2018-Q4	Federal	56-0165465	Additional Medicare Tax	39,261.27	4,362,352.52	4,369,223.21	101,191.04	11,243,439.39	11,250,310.08
801 Duke Energy Progress, LLC	2018-Q4	Federal	56-0165465	Federal Withholding	15,957,342.77	123,629,596.26	140,175,939.25	71,856,843.21	537,401,484.37	612,187,559.85
801 Duke Energy Progress, LLC	2018-Q4	Federal	56-0165465	FUI (ER)	4,006.42	667,734.28	140,002,620.05	239,162.45	39,860,404.92	612,429,759.51
801 Duke Energy Progress, LLC	2018-Q4	Federal	56-0165465	Medicare (ER)	1,940,423.35	133,822,341.37	140,181,009.46	8,506,298.22	586,641,267.42	613,149,642.51
801 Duke Energy Progress, LLC	2018-Q4	Federal	56-0165465	Medicare	1,940,423.45	133,822,341.37	140,224,083.49	8,506,298.21	586,641,267.42	613,149,642.51
801 Duke Energy Progress, LLC	2018-Q4	Federal	56-0165465	OASDI (ER)	6,427,921.91	103,676,152.17	140,181,009.46	33,432,748.73	539,237,876.69	613,149,642.51
801 Duke Energy Progress, LLC	2018-Q4	Federal	56-0165465	OASDI	6,428,101.62	103,679,042.20	139,922,162.99	33,432,748.72	539,237,876.69	612,329,162.31

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## OASDI and SSI Program Rates & Limits 2019

### Old-Age, Survivors, and Disability Insurance (OASDI)

Tax Rates (percent)	
Social Security (Old-Age, Survivors, and Disability Insurance)	
Employers and Employees, each <sup>a</sup>	6.20
Medicare (Hospital Insurance)	
Employers and Employees, each <sup>a,b</sup>	1.45
Maximum Taxable Earnings (dollars)	
Social Security	132,900
Medicare (Hospital Insurance)	No limit
Earnings Required for Work Credits (dollars)	
One Work Credit (One Quarter of Coverage)	1,360
Maximum of Four Credits a Year	5,440
Earnings Test Annual Exempt Amount (dollars)	
Under Full Retirement Age for Entire Year	17,640
For Months Before Reaching Full Retirement Age in Given Year	46,920
Beginning with Month Reaching Full Retirement Age	No limit
Maximum Monthly Social Security Benefit for	
Workers Retiring at Full Retirement Age (dollars)	2,861
Full Retirement Age	66
Cost-of-Living Adjustment (percent)	2.8
a. Self-employed persons pay a total of 15.3 percent—12.4 percent for OASDI and 2.9 percent for Medicare.	
b. This rate does not reflect the additional 0.9 percent in Medicare taxes certain high-income taxpayers are required to pay. See IRS information on this topic.	

### Supplemental Security Income (SSI)

Monthly Federal Payment Standard (dollars)	
Individual	771
Couple	1,157
Cost-of-Living Adjustment (percent)	2.8
Resource Limits (dollars)	
Individual	2,000
Couple	3,000
Monthly Income Exclusions (dollars)	
Earned Income <sup>a</sup>	65
Unearned Income	20
Substantial Gainful Activity (SGA) Level for the Nonblind Disabled (dollars)	1,220
a. The earned income exclusion consists of the first \$65 of monthly earnings, plus one-half of remaining earnings.	



Office of Retirement and Disability Policy  
[www.ssa.gov/policy](http://www.ssa.gov/policy)

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Duke Energy Progress - (926) Employee Pensions and Benefits - 12 Months Ended December 31, 2018

Line No.	Account & Description	Total
1		
2	0926000 - Empl Pensions and Benefits	\$ 139,167,551 [1]
3	0926420 - Employees' Tuition Refund	899 [1]
4	0926430 - Employees' Recreation Expense	8,983 [1]
5	0926600 - Employee Benefits - Transferred	(5,967,422) [1]
6	Total	<u>\$ 133,210,011</u>

[1] E-1 Item 2, Working Trial Balance

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(Dollars in thousands)

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Variable Short and Long Term Pay for Duke Energy Progress - 12 Months Ended Dec 31, 2018

Line No.	Description	Total Carolinas
1		
2	Level of variable short term pay	\$ 70,742 [1]
3	Level of variable long term pay	17,004 [2]
4	Total (L2 + L3)	\$ 87,747
5		
6	2019 target level of variable short term pay	\$ 69,054 [3]
7	2019 target level of variable long term pay	18,657 [2]
8	Total (L6 + L7)	\$ 87,711
9		
10	Adjustment to restate variable short and long term pay at target (L8 - L4)	\$ (35)

[1] NC-2210-1 - Level of Variable Short Term Pay for Duke Energy Progress - 12 Months Ended Dec 31, 2018, Line 39, Col. (c)

[2] NC-2210-3 - Variable Long Term Pay for Duke Energy Progress, Lines 6 and 13, Col. (a)

[3] NC-2210-2 - 2019 Target Level of Variable Short Term Pay for Duke Energy Progress, Line 39, Col. (c)

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Level of Variable Short Term Pay for Duke Energy Progress - 12 Months Ended December 31, 2018

Line No.	Description	Asset	Indirect	Liability	Other Balance Sheet (a)	Capital (b)	O&M (c)	Total (d)
1								
2	<u>Direct Charge:</u>							
3	Duke Energy Commercial Enterprises	\$ -	\$ 86	\$ 38	\$ 125	\$ 110	\$ 3,008	\$ 3,243
4	Duke Energy Business Services	1,957,725	951,343	131,012	3,040,081	2,829,696	7,485,974	13,355,751
5	Duke Energy Carolinas	49,707	125,170	134,323	309,201	1,681,795	3,492,564	5,483,560
6	Duke Energy Indiana	2	-	487	488	12,206	103,201	115,896
7	Duke Energy Kentucky	-	-	-	-	8	8,396	8,404
8	Duke Energy Ohio	-	-	678	678	399	44,550	45,626
9	Piedmont Natural Gas	14	-	1,767	1,781	-	9,106	10,887
10	Duke Energy Progress	234,576	3,622,776	57,692	3,915,043	10,283,443	40,588,987	54,787,474
11	Duke Energy Florida	368	4,997	35,183	40,548	14,215	245,580	300,342
12	Direct Charge Total (Sum L3 through L11)	\$ 2,242,393	\$ 4,704,372	\$ 361,180	\$ 7,307,945	\$ 14,821,873	\$ 51,981,366	\$ 74,111,183
13								
14	Percentage split between capital and O&M for direct charges					22.1874%	77.8126%	100.0000%
15								
16	<u>Service Company Allocation:</u>							
17	Duke Energy Commercial Enterprises	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 274	\$ 274
18	Duke Energy Business Services	-	-	-	-	131,695	10,813,474	10,945,168
19	Duke Energy Carolinas	-	-	-	-	17,099	3,118,741	3,135,839
20	Duke Energy Indiana	-	-	-	-	24	1,453	1,477
21	Duke Energy Kentucky	-	-	-	-	-	-	-
22	Duke Energy Ohio	-	-	-	-	-	(233)	(233)
23	Piedmont Natural Gas	-	-	-	-	-	4,542	4,542
24	Duke Energy Progress	-	-	-	-	3,267	(919,254)	(915,987)
25	Duke Energy Florida	-	-	-	-	938	55,521	56,459
26	Service Company Allocation Total (Sum L17 through L25)	\$ -	\$ -	\$ -	\$ -	\$ 153,022	\$ 13,074,517	\$ 13,227,539
27								
28	Percentage split between capital and O&M for allocated					1.1568%	98.8432%	100.0000%
29								
30	Total (L12 + L26)	\$ 2,242,393	\$ 4,704,372	\$ 361,180	\$ 7,307,945	\$ 14,974,895	\$ 65,055,883	\$ 87,338,722
31								
32	Percentage split between capital and O&M for total					18.7114%	81.2886%	100.0000%
33								
34	<u>Summary:</u>							
35	Direct (L12)				\$ 7,307,945	\$ 14,821,873	\$ 51,981,366	\$ 74,111,183
36	Re-assignment of direct 'other' (-L36, Col. (a) x L14)				(7,307,945)	1,621,443	5,686,502	-
37	Allocated (L26)				0	153,022	13,074,517	13,227,539
38	Re-assignment of allocated "other"				-	0	0	(0)
39	Total (Sum L35 through L38)	\$ 0	\$ 0	\$ 0	\$ 0	\$ 16,596,338	\$ 70,742,384	\$ 87,338,722

Source: Duke Energy Corporate Accounting



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2019 Target Level of Variable Short Term Pay for Duke Energy Progress

Line No.	Description	Asset	Indirect	Liability	Other Balance Sheet (a)	Capital (b)	O&M (c)	Total (d)
1								
2	<u>Direct Charge:</u>							
3	Duke Energy Commercial Enterprises	\$ -	\$ 86	\$ 38	\$ 125	\$ 110	\$ 3,008	\$ 3,243
4	Duke Energy Business Services	1,957,725	951,343	131,012	3,040,081	2,829,696	7,485,974	13,355,751
5	Duke Energy Carolinas	49,707	125,170	134,323	309,201	1,681,795	3,492,564	5,483,560
6	Duke Energy Indiana	2	-	487	488	12,206	103,201	115,896
7	Duke Energy Kentucky	-	-	-	-	8	8,396	8,404
8	Duke Energy Ohio	-	-	678	678	399	44,550	45,626
9	Piedmont Natural Gas	14	-	1,767	1,781	-	9,106	10,887
10	Duke Energy Progress	234,576	3,622,776	57,692	3,915,043	10,283,443	38,941,620	53,140,107
11	Duke Energy Florida	368	4,997	35,183	40,548	14,215	245,580	300,342
12	Direct Charge Total (Sum L3 through L11)	\$ 2,242,393	\$ 4,704,372	\$ 361,180	\$ 7,307,945	\$ 14,821,873	\$ 50,333,999	\$ 72,463,816
13								
14	Percentage split between capital and O&M for direct charges					22.7483%	77.2517%	100.0000%
15								
16	<u>Service Company Allocation:</u>							
17	Duke Energy Commercial Enterprises	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 274	\$ 274
18	Duke Energy Business Services	-	-	-	-	131,695	10,813,474	10,945,168
19	Duke Energy Carolinas	-	-	-	-	17,099	3,118,741	3,135,839
20	Duke Energy Indiana	-	-	-	-	24	1,453	1,477
21	Duke Energy Kentucky	-	-	-	-	-	-	-
22	Duke Energy Ohio	-	-	-	-	-	(233)	(233)
23	Piedmont Natural Gas	-	-	-	-	-	4,542	4,542
24	Duke Energy Progress	-	-	-	-	3,267	(919,254)	(915,987)
25	Duke Energy Florida	-	-	-	-	938	55,521	56,459
26	Service Company Allocation Total (Sum L17 through L25)	\$ -	\$ -	\$ -	\$ -	\$ 153,022	\$ 13,074,517	\$ 13,227,539
27								
28	Percentage split between capital and O&M for allocated					1.1568%	98.8432%	100.0000%
29								
30	Total (L12 + L26)	\$ 2,242,393	\$ 4,704,372	\$ 361,180	\$ 7,307,945	\$ 14,974,895	\$ 63,408,516	\$ 85,691,355
31								
32	Percentage split between capital and O&M for total					19.1047%	80.8953%	100.0000%
33								
34	<u>Summary:</u>							
35	Direct (L12)				\$ 7,307,945	\$ 14,821,873	\$ 50,333,999	\$ 72,463,816
36	Re-assignment of direct 'other' (-L36, Col. (a) x L14)				(7,307,945)	1,662,433	5,645,511	-
37	Allocated (L26)				0	153,022	13,074,517	13,227,539
38	Re-assignment of allocated 'other'				(0)	0	0	-
39	Total (Sum L35 through L38)	\$ -	\$ 16,637,328	\$ 69,054,027	\$ 85,691,355			

Source: Duke Energy Corporate Accounting

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Normalize O&M labor expenses  
For the test period ended December 31, 2018

NC-1310-3  
Page 1 of 1

Variable Long Term Pay for Duke Energy Progress

Line No.	Description	Total (a)	Performance Awards (b)	Phantom (c)	Restricted Stock Units (d)	Options (e)
1						
2	<u>Stock-Based Compensation - Actuals - 12 Months Ended December 31, 2018</u>					
3						
4	Grand total - gross	\$ 18,456,566	\$ 8,116,997	\$ -	\$ 10,339,568	\$ -
5	Less: capital	1,452,248	214,921	-	1,237,327	-
6	Stock-based compensation, net EBIT	\$ 17,004,317	\$ 7,902,076	\$ -	\$ 9,102,241	\$ -
7						
8						
9	<u>Ongoing Stock-Based Compensation</u>					
10						
11	Grand total - gross	\$ 19,474,900	\$ 7,380,304	\$ -	\$ 12,094,595	\$ -
12	Less: capital	817,473	131,263	-	686,210	-
13	Stock-based compensation, net EBIT	\$ 18,657,427	\$ 7,249,041	\$ -	\$ 11,408,386	\$ -

Note: Totals may not foot due to rounding.  
Source: Duke Energy Corporate Accounting

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Normalize O&M labor expenses  
For the test period ended December 31, 2018

NC-1311  
Page 1 of 1

Adjustment to Annualize Ernst & Young outside tax services contract

Line No.	Description	Total Company	DEP Allocation	Total DEP
1	Estimated costs for E&Y outside tax services in 2019	\$ 7,599,996	23.2600%	[1] \$ 1,767,759
2	Total costs for E&Y outside tax services in 2018	2,533,332	23.3500%	[2] 591,533
3	Adjustment to annual expense for E&Y outside tax services	\$ 5,066,664		\$ 1,176,226

[1] 2019 Service Company Cost Allocation

[2] 2018 Service Company Cost Allocation

Source - Duke Energy Carolinas - Corporate Services Business Support

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update benefits costs  
For the test period ended December 31, 2018

NC-1400  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro-forma adjusts operation and maintenance expense and income taxes for changes in benefit costs.

The impact to operation and maintenance expense reflects the annual level of pension, OPEB, Active Medical, FAS112 and non-qualified pension benefits based on a report from the Company's third party consultant, less actual amounts in the test period for these expenses. An adjustment to OPEB to remove terminating prior service credit and an adjustment to both Pension and OPEB for changes due to the new accounting standard ASU 2017-07 are included.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update benefits costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1400  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance:		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.	NC-1401	(3,060)
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-1401	709
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(2,351)
18			
19	Operating Income	L4 - L17	<u>\$ 2,351</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		

Note: Totals may not foot due to rounding



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update benefits costs  
For the test period ended December 31, 2018

NC-1402  
Page 1 of 1

Summary of Pension Expenses

Line No.	Description	12 Months Ended December 2018 Total	2019 Projection
1			
2	<u>Duke Energy Progress:</u>		
3	Qualified Pension	\$ 6,495,232	\$ (3,416,511)
4			
5	<u>Duke Energy Business Services (DEBS):</u>		
6	Duke Energy Retirement Cash Balance Plan	\$ 24,310,049	\$ 9,622,538
7	Percentage charged to Duke Energy Progress from DEBS	17.98%	17.98%
8	Amount charged to Duke Energy Progress from DEBS (L6 x L7)	\$ 4,370,347	\$ 5,859
9			
10	Total Duke Energy Progress pension expenses (L3 + L8)	\$ 10,865,579	\$ (3,410,652)

Source: Duke Energy Corporate Accounting

Note: Totals may not foot due to rounding

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update benefits costs  
For the test period ended December 31, 2018

NC-1403  
Page 1 of 1

Summary of OPEB Expenses and Active Medical

Line No.	Description	12 Months Ended December 2018 Total	2019 Projection
1			
2	<u>Duke Energy Progress:</u>		
3	OPEB	\$ 5,961,871	\$ 5,816,080
4			
5	<u>Duke Energy Business Services:</u>		
6	OPEB	\$ 1,824,063	\$ 1,151,991
7	Percentage charged to Duke Energy Progress from DEBS	17.98%	17.98%
8	Amount charged to Duke Energy Progress from DEBS (L3 x L7)	\$ 327,921	\$ 207,100
9			
10	Total Duke Energy Progress Adjusted OPEB expenses (excluding medical, see below) (L3 + L8)	\$ 6,289,792	\$ 6,023,180
11			
12	<u>Duke Energy Progress:</u>		
13	Active Medical	\$ 56,192,678	\$ 62,596,387
14			
15	<u>Duke Energy Business Services:</u>		
16	Active Medical	\$ 83,082,009	\$ 95,472,021
17	Percentage charged to Duke Energy Progress from DEBS	17.98%	17.98%
18	Amount charged to Duke Energy Progress from DEBS (L16 x L17)	\$ 14,936,094	\$ 17,163,512
19			
20	Total Duke Energy Progress Active Medical expenses (L13 + L18)	\$ 71,128,772	\$ 79,759,899
21			
22	Total Duke Energy Progress Adjusted OPEB and Active Medical expenses	\$ 77,418,564	\$ 85,783,079

Source: Duke Energy Corporate Accounting

Note: Totals may not foot due to rounding

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Oct 30 2019

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update benefits costs  
For the test period ended December 31, 2018

NC-1404  
Page 1 of 1

Summary of FAS112 Expenses

Line No.	Description	12 Months Ended December 2018 Total	2019 Projection
1			
2	<u>Duke Energy Progress:</u>		
3	FAS 112	\$ 3,783,122	\$ 3,798,072
4			
5	<u>Duke Energy Business Services:</u>		
6	FAS 112	\$ 2,562,669	\$ 3,429,900
7	Percentage charged to Duke Energy Progress from DEBS	17.98%	17.98%
8	Amount charged to Duke Energy Progress from DEBS (L6 x L7)	\$ 460,705	\$ 616,611
9			
10	Total Duke Energy Progress FAS 112 expenses (L3 + L8)	\$ 4,243,827	\$ 4,414,683

Source: Duke Energy Corporate Accounting

Note: Totals may not foot due to rounding

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update benefits costs  
For the test period ended December 31, 2018

NC-1405  
Page 1 of 1

Summary of Non-Qualified Pension Expenses

Line No.	Description	12 Months Ended December 2018 Total	2019 Projection
1			
2	<u>Duke Energy Progress:</u>		
3	Non-Qualified Pension	\$ 2,086,427	\$ 1,919,103
4			
5	<u>Duke Energy Business Services:</u>		
6	Non-Qualified Pension	\$ 10,834,340	\$ 10,320,591
7	Percentage charged to Duke Energy Progress from DEBS	17.98%	17.98%
8	Amount charged to Duke Energy Progress from DEBS (L6 x L7)	\$ 1,947,747	\$ 1,855,387
9			
10	Total Duke Energy Progress Non-Qualified pension expenses (L3 + L8)	\$ 4,034,174	\$ 3,774,490

Source: Duke Energy Corporate Accounting

Note: Totals may not foot due to rounding

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Levelize nuclear refueling outage costs  
For the test period ended December 31, 2018

NC-1500  
Narrative  
Application

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expenses and income taxes to levelize nuclear refueling outage costs.

The impact to operation and maintenance expenses was determined by subtracting annualized outage amortization expense from test period outage expense.

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Levelize nuclear refueling outage costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1500  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.	NC-1501	(6,232)
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-1501	1,444
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(4,788)
18			
19	Operating income	L4 - L17	<u>\$ 4,788</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Levelize nuclear refueling outage costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1501  
Page 1 of 1

Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
1				
2	<u>NC Amortization of Outage Deferral - Last Known and Measurable Outage:</u>			
3	Brunswick Unit 1			\$ 664 [1]
4	Brunswick Unit 2			542 [1]
5	Harris Unit 1			782 [1]
6	Robinson Unit 2			845 [1]
7	Total Monthly Amortization Expense (Sum 3 through L6)			<u>\$ 2,833</u>
8				
9				
10				
11	<u>NC Annualized Amortization Expense, Based on Last Known and Measurable Outage:</u>			
12	Brunswick Unit 1	Mar-18 [4]		\$ 7,965
13	Brunswick Unit 2	Mar-19 [4]		6,501
14	Harris Unit 1	Apr-18 [4]		9,386
15	Robinson Unit 2	Sep-18 [4]		10,139
16	Total Annual Amortization Expense (Sum L12 through L15)			<u>\$ 33,992</u>
17				
18				
19	Annualized NC Outage Amortization Expense (L16)			\$ 33,992
20	Test Year Amortization of Outage Deferral			<u>40,225 [2]</u>
21	Impact to O&M (L19 - L20)			<u>\$ (6,232)</u>
22				
23	Statutory tax rate			23.1693% [3]
24				
25	Impact to income taxes (-L21 x L23)			<u>\$ 1,444</u>
26				
27	Impact to operating income (-L21 - L25)			<u><u>\$ 4,788</u></u>

[1] Information provided by Duke Energy Progress Accounting and Reporting

[2] Rates, DEP Surveillance Reporting

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

[4] Outage Date

Note: Totals may not foot due to rounding

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize rate case costs  
For the test period ended December 31, 2018

NC-1600  
Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expense and income taxes for the amortization of rate case costs.

The impact to operation and maintenance expense is determined as follows:

An annual level of rate case expense is projected based on actual expenses incurred through June 2019 and projected expenses through August 2020.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize rate case costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1600

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-1601	701
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-1601	(162)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	539
18			
19	Operating income	L4 - L17	\$ (539)
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		2,670
35			
36			
37	Less:		
38	Accumulated deferred taxes		(619)
39	Operating reserves		
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ 2,051
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize rate case costs  
For the test period ended December 31, 2018

NC-1601  
Page 1 of 1

Line No.	Description	Total NC Retail
1		
2	NC Retail expenses incurred through June 2019	\$ 587 [1]
3	NC Retail projected expenses (July 2019 through May 2020)	2,918 [1]
4	NC Retail rate case expenses total	\$ 3,505
5	Amortization period in years	5
6	Impact to O&M (L4 / L5)	\$ 701
7		
8	Statutory tax rate	23.1693% [2]
9	Impact to income taxes (-L6 x L8)	\$ (162)
10		
11	Impact to operating income (-L6 - L9)	\$ (539)
12		
13	<u>Impact to Rate Base</u>	<u>NC Retail</u>
14		
15	Deferral of NC Retail rate case expenses (L4)	\$ 3,505
16	Less test year expenses included in 12/31/2018 balance	(134) [1]
17	Less first year of amortization (-L6)	(701)
18	Projected Working Capital after first year of amortization (L15 + L16 + L17)	\$ 2,670
19		
20	Adjustment to Working Capital (L18)	\$ 2,670
21		
22	Change in ADIT on Working Capital (-L18 x L8)	\$ (619)

[1] NC-1602 - NC Retail Rate Case Expenses Incurred/Projected Through May 2020

[2] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize rate case costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1602  
Page 1 of 1

NC Retail Rate Case Expenses Incurred/Projected Through Dec 2019

Account & Descr: 0186195 - DEFERRED RATE CASE EXPENSE  
OU & Descr: NCRP - Carolinas Rates - DEP  
Process: NCRTCSE

Line

<u>No.</u>	<u>Year</u>	
1	Jan 2018	25,410
2	Feb 2018	0
3	Mar 2018	789
4	Apr 2018	617
5	May 2018	941
6	Jun 2018	1,130
7	Jul 2018	341
8	Aug 2018	68
9	Sep 2018	2,884
10	Oct 2018	34,618
11	Nov 2018	28,576
12	Dec 2018	38,505
13	<i>Subtotal 2018 expenses</i>	<u>\$ 133,878</u>
14	Jan 2019	31,329
15	Feb 2019	32,997
16	Mar 2019	63,198
17	Apr 2019	71,628
18	May 2019	158,528
19	Jun 2019	95,766
20	Actuals Total	<u>\$ 587,324</u>
21	<i>Projected expenses through August 2020</i>	<u>2,917,676</u> [1]
22	Total NC rate case expenses	<u><u>\$ 3,505,000</u></u>

[1] Duke Energy Progress - Rate Case Charges and Projection Summary

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust aviation expenses  
For the test period ended December 31, 2018

NC-1700  
Narrative  
Application

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro-forma adjusts operation and maintenance expense, general taxes and income taxes for aviation expenses to be excluded from the test period.

The corporate aviation operation and maintenance, depreciation, and return expense booked during the test period is multiplied by the percentage of corporate aviation expense to be excluded from test period expense. The percentage of corporate aviation costs to be excluded from test period expense is 50 percent.

The impact to general taxes is determined by multiplying corporate aviation general taxes booked during the test period by the percentage of corporate aviation expense to be excluded from test period expense.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust aviation expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1700  
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.	NC-1701	(1,452)
11	Depreciation and amortization		-
12	General taxes	NC-1701	(18)
13	Interest on customer deposits		-
14	Income taxes	NC-1701	341
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	<u>(1,129)</u>
18			
19	Operating income	L4 - L17	<u>\$ 1,129</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust aviation expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1701  
Page 1 of 1

Line		Total Duke Energy Progress	NC Retail Allocation	Total NC Retail
<u>No.</u>	<u>Description</u>			
1				
2	Corporate aviation O&M to be excluded from test period	\$ 2,193 [1]	66.2120% [2]	\$ 1,452
3	Impact to wages, benefits, materials, etc. (-L2)	\$ (2,193)		\$ (1,452)
4				
5	Corporate aviation general tax to be excluded from test period	\$ 27 [1]	66.2120% [2]	\$ 18
6	Impact to general taxes (-L5)	\$ (27)		\$ (18)
7				
8	Taxable income (-L3 - L6)	\$ 2,220		\$ 1,470
9	Statutory tax rate	23.1693% [3]		23.1693% [3]
10	Impact to income taxes (L8 x L9)	\$ 514		\$ 341
11				
12	Impact to operating income (-L3 - L6 - L10)	\$ 1,706		\$ 1,129

[1] NC-1702 - Duke Energy Progress - Corporate Aviation Expenses - 12-Months Ended December 31, 2018; Lines 3 and 22

[2] NC Retail Allocation Factor - LAB

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust aviation expenses  
For the test period ended December 31, 2018

NC-1702  
Page 1 of 1

Duke Energy Progress - Corporate Aviation Expenses - 12 Months Ended December 31, 2018

Line No.	Description	Total Company	Duke Energy Progress Allocation %	Total Duke Energy Progress
1	Corporate aviation general taxes	\$ 229,111 [1]		\$ 53,497 [1]
2	Percentage of corporate aviation expenses to be excluded from test period			50.00% [2]
3	Corporate aviation general tax to be excluded from test period (L1 x L2)			<u>\$ 26,749</u>
4				
5	Corporate aviation operation and maintenance expense	\$ 13,520,631 [1]		\$ 3,157,068 [1]
6				
7	Corporate aviation and aerial patrol depreciation expense	\$ 3,361,563 [3]		
8	Percentage of aerial patrol O&M expenses compared to total	19.2234% [1]		
9	Depreciation expense considered a cost of aerial patrol (L7 x L8)	<u>\$ 646,208</u>		
10				
11	Depreciation expense less portion considered a cost of aerial patrol (L7 - L9)	<u>\$ 2,715,355</u>	23.35% [4]	<u>\$ 634,035</u>
12				
13	Corporate aviation and aerial patrol return on Duke Energy Business Services (DEBS) assets	\$ 3,155,895 [3]		
14	Percentage of aerial patrol O&M expenses compared to total	19.2234% [1]		
15	Return expense considered a cost of aerial patrol (L13 x L14)	<u>\$ 606,672</u>		
16				
17	Return expense less portion considered a cost of aerial patrol (L13 - L15)	<u>\$ 2,549,223</u>	23.35% [5]	<u>\$ 595,244</u>
18				
19	Corporate aviation O&M, depreciation and return expense (L5 + L11 + L17)			\$ 4,386,347
20				
21	Percentage of corporate aviation expenses to be excluded from test period			50.0000% [2]
22	Corporate aviation O&M, depreciation expense, and return to be excluded from test period (L19 x L21)			<u>\$ 2,193,174</u>

- [1] NC-1703 - Duke Energy Progress - Corporate Aviation and Aerial Patrol Operating Expenses - Test Period Ended December 31, 2018, Lines 3, 20 and 36  
[2] Duke Energy Progress proposes to remove 50 percent of the corporate aviation O&M expense requested in this case.  
[3] Duke Energy - Corporate Aviation and Aerial Patrol Depreciation and Return Expense - Test Period Ended December 31, 2018  
[4] 2018 Service Company Cost Allocations in Service Agreements - Depreciation Expense allocation factor  
[5] 2018 Service Company Cost Allocations in Service Agreements - Facilities Rate of Return allocation factor

Source: Duke Energy Service Company Financial Accounting & Reporting

Duke Energy Progress, LLC  
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Adjust aviation expenses  
For the test period ended December 31, 2018

NC-1703  
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Duke Energy Progress - Corporate Aviation and Aerial Patrol Operating Expenses - 12 Months Ended December 31, 2018

Line No.	Account Description	Total Company	Total Duke Energy Progress
1			
2	<u>Corporate Aviation General Taxes</u>		
3	0408960 Allocated Payroll Taxes	\$229,111	\$53,497
4			
5	<u>Corporate Aviation O&amp;M Expenses</u>		
6	0909650 Misc Advertising Expense	\$0	\$0
7	0920000 A & G Salaries	4,011,437	936,670
8	0921100 Employee Expenses	586,203	136,879
9	0921200 Office Expenses	3,870,941	903,865
10	0921400 Computer Services Expenses	5,155	1,204
11	0921600 Other	3,662	855
12	0923000 Outside Services Employed	1,288,625	300,894
13	0924000 Property Insurance	140,456	32,796
14	0926000 Employee Pensions and Benefits	12,120	2,830
15	0926600 Employee Benefits-Transferred	793,853	185,365
16	0930240 Director's Expenses		
17	0930250 Buy/Sell Transfer Employees Homes	58,562	13,674
18	0930940 General Expenses	82,696	19,310
19	0931001 Rents - A&G	<u>2,666,920</u>	<u>622,726</u>
20	Sub-total (Sum L6 through L19)	\$13,520,631	\$3,157,068
21			
22	<u>Aerial Patrol O&amp;M Expenses</u>		
23	0426100 Donations	\$ 1,111	\$ -
24	0426540 Employee Service Club Dues	(435)	-
25	0535000 Supervsn and Engrng-Hydro Oper	36,210	\$ 4,760
26	0563000 Overhead Line Expenses-Trans	1,807,766	\$ 455,453
27	0571000 Maint Of Overhead Lines-Trans	\$1,069,965	\$227,920
28	0583100 Overhead Line Exps-Other-Dist	5,088	-
29	0593000 Maint Overhd Lines-Other-Dist	23,290	-
30	0863000 Transm-Maint of Mains	307,773	-
31	0921100 Employee Expenses	(34)	-
32	0921200 Office Expenses	(11,897)	-
33	0923000 Outside Services Employed	(15,204)	-
34	0930250 Buy/Sell Transfer Employees Homes	(33,032)	-
35	0930940 General Expenses	81,603	-
36	Sub-total (Sum L23 through L36)	\$ 3,272,204	\$ 688,133
37			
38	Total corporate aviation and aerial patrol operating expenses (L3 + L20 + L36)	<u>\$ 17,021,946</u>	<u>\$ 3,898,699</u>
39			
40	Percentage of aerial patrol O&M expenses compared to total (L36/L38)	<u>19.2234%</u>	

Source: Duke Energy Service Company Financial Accounting & Reporting  
Note: Totals may not foot due to rounding

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Adjust aviation expenses  
For the test period ended December 31, 2018

NC-1704  
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Duke Energy - Corporate Aviation and Aerial Patrol Depreciation and Return Expense

Line No.	Asset	Asset ID	Dec 2017	Jan 2018	Feb 2018	Mar 2018	Apr 2018	May 2018	Jun 2018	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
1															
2															
3	Challenger	525944417	\$ 19,218,626	\$ 19,059,956	\$ 18,901,286	\$ 18,742,616	\$ 18,583,946	\$ 18,425,276	\$ 18,266,606	\$ 18,107,935	\$ 17,949,266	\$ 17,790,596	\$ 17,631,926	\$ 17,473,256	\$ 17,314,586
4	Helicopter	487987701	12,480,817	12,403,946	12,327,075	12,250,204	12,173,332	12,096,461	12,019,590	11,942,719	11,865,848	11,788,977	11,712,106	11,635,235	11,558,364
5	Helicopter	298595561	2,236,936	2,214,225	2,191,514	2,168,803	2,158,804	2,148,805	2,138,806	2,128,807	2,118,809	2,108,810	2,098,811	2,088,812	2,078,813
6	Helicopter	488684767	2,897,400	2,879,555	2,861,709	2,843,864	2,826,018	2,808,173	2,790,327	2,772,482	2,754,636	2,736,791	2,718,945	2,701,100	2,683,254
7	Helicopter	299001178	2,303,130	2,279,747	2,256,364	2,232,981	2,222,686	2,212,392	2,202,097	2,191,802	2,181,507	2,171,213	2,160,918	2,150,623	2,140,329
8	Total		\$ 39,136,908	\$ 38,837,428	\$ 38,537,947	\$ 38,238,467	\$ 37,964,787	\$ 37,691,106	\$ 37,417,426	\$ 37,143,745	\$ 36,870,066	\$ 36,596,386	\$ 36,322,706	\$ 36,049,025	\$ 35,775,345
9	Depr Exp			\$ 299,481	\$ 299,480	\$ 299,480	\$ 273,680	\$ 273,680	\$ 273,680	\$ 273,680	\$ 273,679	\$ 273,680	\$ 273,680	\$ 273,680	\$ 273,680
10															
11															
12															
13															
14															
15															
16															
17															
18															

Source: Duke Energy Service Company Financial Accounting & Reporting

Total DEBS Assets Used in Return Calculation		December 31, 2018
Total Aviation Assets (L8)		\$ 480,607,334 [1]
% of Aviation Assets to DEBS Assets for Return (L14 / L13)		35,775,345
Total Company December Return		7,4438%
Annualized Return (L16 x 12 months)		3,533,034 [1]
Estimated Annual Return applicable to Aviation Assets (L15 x L17)		42,396,411
		\$ 3,155,895

## 1A

23.3500%

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Duke Energy Progress, LLC  
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Adjust for approved regulatory assets and liabilities  
For the test period ended December 31, 2018

NC-1800  
Narrative

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma adjusts other O&M, depreciation and amortization, income taxes, working capital and accumulated deferred taxes in the test period for approved regulatory assets and liabilities.

The impact to other O&M, and depreciation and amortization reflects the elimination of test year costs for regulatory assets that will be fully amortized before rates go into effect September 1, 2020. It also reflects the annualization of new amortizations out of docket E2 Sub 1142 which began March 16, 2019.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

The adjustment to working capital eliminates the expiring regulatory assets and adjust the balance for the regulatory assets to reflect what the balance will be as of the end of the update period of February 29, 2020.

The adjustment to accumulated deferred taxes adjust the tax effect recorded in the test period for the changes in the regulatory assets.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for approved regulatory assets and liabilities  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1800  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense		1,603
11	Depreciation and amortization	NC-1801	(3,479)
12	General taxes		5
13	Interest on customer deposits		-
14	Income taxes	NC-1801	434
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(1,438)
18			
19	Operating income	L4 - L17	\$ 1,438
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment	NC-1801	(83,851)
35			-
36			
37	Less:		
38	Accumulated deferred taxes	NC-1801	19,428
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ (64,423)
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
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For the test period ended December 31, 2018  
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NC-1801  
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Application

Line No.	Description	Total Utility	NC Retail Allocation	Total NC Retail
1	<u>Impact to Income Statement Line Items</u>			
2	Other operation and maintenance expense - Annualizations	\$ (69)		\$ (69) [1]
3	Other operation and maintenance expense - Expiring Amortizations	1,673		1,673 [2]
4	Impact to other operation and Maintenance (Sum L2 through L3)	<u>\$ 1,603</u>		<u>\$ 1,603</u>
5				
6	Depreciation and amortization - Annualizations	(167)		(861) [1]
7	Depreciation and amortization - Expiring Amortizations	(2,735)		(2,619) [2]
8	Impact to depreciation and amortization (Sum L6 through L7)	<u>\$ (2,902)</u>		<u>\$ (3,479)</u>
9				
10	General taxes - Annualizations	<u>\$ 5</u>		<u>\$ 5</u> [1]
11				
12	Taxable income (-L4 - L8 - L10)	\$ 1,294		\$ 1,871
13	Statutory tax rate	23.1693%		23.1693% [3]
14	Impact to income taxes (L12 x L13)	<u>\$ 300</u>		<u>\$ 434</u>
15	Impact to operating income (L12 - L14)	<u>\$ 995</u>		<u>\$ 1,438</u>
16				
17	<u>Impact to Rate Base Line Items</u>			
18	Rate Case Cost Amortization	\$ (1,308)	100.0000%	\$ (1,308) [1]
19	Regulatory Fee Amortization	(438)	100.0000%	(438) [1]
20	Cost of Removal Amortization	(848)	100.0000%	(848) [1]
21	End of Life Nuclear	(16,788)	100.0000%	(16,788) [1]
22	Environmental Amortization	(54,557)	100.0000%	(54,557) [1]
23	Storm Deferral	(11,907)	100.0000%	(11,907) [1]
24	Deferred Harris COLA	(6,610)	0.0000%	- [1]
25	Retired Plant	(21,662)	0.0000%	- [1]
26	Over Amortization	1,995	100.0000%	1,995 [2]
27	Impact to working capital investment (Sum L18 through L19)	<u>\$ (112,123)</u>		<u>\$ (83,851)</u>
28				
29	Deferred tax rate	23.1693%		23.1693% [6]
30	Impact to accumulated deferred income tax (-L27 x L29)	<u>\$ 25,978</u>		<u>\$ 19,428</u>
31	Impact to rate base (L27 + L30)	<u>\$ (86,145)</u>		<u>\$ (64,423)</u>

[1] NC-1802 - Annual Amortizations of existing Regulatory Assets and Liabilities

[2] NC-1803 - Expiring Amortizations of existing Regulatory Assets and Liabilities

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

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Adjust for approved regulatory assets and liabilities  
For the test period ended December 31, 2018

NC-1802  
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Application

# Annual Amortizations of existing Regulatory Assets and Liabilities

Line No.	Description	Account	Total 2018 Amount	Annualized Amount	Adjustment Amount	NC Retail Allocation	Total NC Retail
1	Rate Case Cost Amortization	0928000 - Regulatory Expenses (Go)	\$ 1,011,639	\$ 525,519	\$ (486,120)	100%	\$ (486,120)
2	Regulatory Fee Amortization	0928000 - Regulatory Expenses (Go)	297,533	375,831	78,298	100%	78,298
3	Regulatory Fee Deferral	0928000 - Regulatory Expenses (Go)	(338,578)	-	338,578	100%	338,578
4	<b>Total Other operation and maintenance expense</b>		<b>\$ 970,594</b>	<b>\$ 901,350</b>	<b>\$ (69,244)</b>	<b>100%</b>	<b>\$ (69,244)</b>
5							
6	Cost of Removal Amortization	0407388 - COR Settlement Amort - NC	\$ 575,758 [1]	\$ 727,273	\$ 151,515	100%	\$ 151,515
7	Reserve Adjustment Amortization	0403500 - Depr of General Plant	13,595,163 [2]	17,172,838	3,577,674	74% [4]	2,648,952
8	End of Life Nuclear	0407342 - Nuclear Fuel - Last Core Amort	3,481,931 [1]	3,306,425	(175,506)	100%	(175,506)
9	End of Life Nuclear	0407375 - M&S Inv LOL Reserve Amort	9,590,854 [1]	11,082,863	1,492,009	100%	1,492,009
10	Environmental Amortization	0407324 - NC & MW Coal As Amort Exp	36,257,770 [1]	46,762,802	10,505,032	100%	10,505,032
11	Environmental Amortization	Management Penalty		(6,000,000)	(6,000,000)	100%	(6,000,000)
12	Storm Amortization	0407396 - Amortization Storm NC	22,964,378 [1]	10,206,377	(12,758,001)	100%	(12,758,001)
13	Retired Plant	0407381 - Retired Plant Amort - Retail	20,334,328 [1]	18,567,519	(1,766,809)	87% [5]	(1,531,664)
14	Deferred Harris COLA	0407102 - Harris COLA Amort - Retail	4,485,484 [1]	5,665,875	1,180,391	100%	1,180,391
18	Nuclear Decommissioning	0403800 - Decommissioning Exp	12,956,181 [3]	16,582,692	3,626,511	100%	\$ 3,626,511
16	<b>Total Depreciation and amortization</b>		<b>\$ 124,241,847</b>	<b>\$ 124,074,663</b>	<b>\$ (167,184)</b>	<b>515%</b>	<b>\$ (860,762)</b>
17							
18							
19							
20							
21	<b>Rate Base Adjustments</b>		<b>Dec-18 Balance</b>	<b>Feb-20 Balance</b>	<b>Adjustment Amount</b>	<b>Rate Base Allocation</b>	<b>Total NC Retail</b>
22	Rate Case Cost Amortization	0182433 - Rate Case Cost NC LT	\$ 3,204,682 [1]	\$ 1,896,706	\$ (1,307,976)	100%	\$ (1,307,976)
23	Rate Case Cost Amortization	0182323 - Rate Case Cost NC CUR	525,519 [1]	525,519	-	100%	-
24	Regulatory Fee Amortization	0182484 - NC Regulatory Fee	1,460,725 [1]	1,022,256	(438,470)	100%	(438,470)
25	Cost of Removal Amortization	0182551 - COR Settlement	19,424,242 [1]	18,575,757	(848,485)	100%	(848,485)
26	End of Life Nuclear	0254021 - Nuclear Fuel Last Core Reserv	(22,497,592) [1]	(26,355,088)	(3,857,496)	100%	(3,857,496)
27	End of Life Nuclear	0254022 - M and S Inventory Reserve PEC R	(27,563,082) [1]	(40,493,089)	(12,930,007)	100%	(12,930,007)
28	Environmental Amortization	0182506 - Spend RA Amortization (NC&MW)	196,793,457 [1]	142,236,855	(54,556,602)	100%	(54,556,602)
29	Storm Deferral	0182710 - NC Storm - Matthew	17,861,214 [1]	5,953,774	(11,907,440)	100%	(11,907,440)
30	Storm Deferral	0182514 - Misc ST Reg Assets	10,206,408 [1]	10,206,408	-	100%	-
31	Retired Plant	0182218 - Cape Fear CT - Retail	(595,812) [1]	(687,078)	(91,266)	0%	-
32	Retired Plant	0182215 - Cape Fear Fossil - Retail	7,454,309 [1]	4,775,568	(2,678,741)	0%	-
33	Retired Plant	0182217 - Robinson Fossil - Retail	22,636,188 [1]	15,122,525	(7,513,663)	0%	-
34	Retired Plant	0182280 - Lee CT - Retail	859,225 [1]	498,096	(361,129)	0%	-
35	Retired Plant	0182255 - Weatherspoon Fossil - Retail	1,635,541 [1]	942,400	(693,141)	0%	-
36	Retired Plant	0182263 - Morehead City CT - Retail	(92,352) [1]	(101,790)	(9,438)	0%	-
37	Retired Plant	0182265 - Sutton Fossil - Retail	19,670,789 [1]	12,789,661	(6,881,128)	0%	-
38	Retired Plant	0182212 - Lee Fossil - Retail	9,758,361 [1]	6,324,761	(3,433,600)	0%	-
39	Deferred Harris COLA	0182224 - Harris COLA - Retail	31,124,363 [1]	24,514,176	(6,610,188)	0%	-
40	<b>Total Working capital investment</b>		<b>\$ 291,866,185</b>	<b>\$ 177,747,418</b>	<b>\$ (114,118,767)</b>		<b>\$ (85,846,474)</b>
41							

[1] E-1 Item 2 Trial Balance

[2] 5-year amortization of adjusted accumulated depreciation reserve related to implementation of amortization accounting

[3] NC Retail Net of JAAR Nuclear Decommissioning Expense

[4] Gross General Plant Investment allocation factor

[5] Production Demand allocation factor

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Adjust for approved regulatory assets and liabilities  
For the test period ended December 31, 2018

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**Expiring Amortizations of existing Regulatory Assets and Liabilities**

Line No.	Description	Account	Total 2018 Amount	Annualized Amount	Adjustment Amount	NC Retail Allocation	Total NC Retail
1	DOE Refund	0518610-Canister Expense-Oconee Robins	\$ (237,163)	\$ -	\$ 237,163	100%	\$ 237,163
2	DOE Refund	0519000-Coolants And Water-Nuc Oper	(146)	-	146	100%	146
3	DOE Refund	0520000-Steam Expenses-Nuc Oper	(1,184,058)	-	1,184,058	100%	1,184,058
4	DOE Refund	0524000-Misc Expenses-Nuc Oper	(191)	-	191	100%	191
5	DOE Refund	0528000-Maint Suprvsn and Enginrng-Nuc	(14,501)	-	14,501	100%	14,501
6	DOE Refund	0529000-Maintenance Of Structures-Nuc	(5,363)	-	5,363	100%	5,363
7	DOE Refund	0530000-Maint Of Reactor Plt Equip-Nuc	(45,714)	-	45,714	100%	45,714
8	DOE Refund	0531100-Maint Electric Plt-Other-Nuc	(7)	-	7	100%	7
9	DOE Refund	0532100-Maint Misc Nuclear Plt-Other	(305)	-	305	100%	305
10	DOE Refund	0903000-Cust Records & Collection Exp	(330)	-	330	100%	330
11	DOE Refund	0920000-A & G Salaries	(3,787)	-	3,787	100%	3,787
12	DOE Refund	0921980-Office Supplies & Expenses	(10,859)	-	10,859	100%	10,859
13	DOE Refund	0923000-Outside Services Employed	(110,736)	-	110,736	100%	110,736
14	DOE Refund	0926000-Employee Benefits	(70,710)	-	70,710	100%	70,710
15	DOE Refund	0929000-Duplicate Chrgs-Enrgy To Exp	11,256	-	(11,256)	100%	(11,256)
16	Total Other operation and maintenance expense		<u>\$ (1,672,613)</u>	<u>\$ -</u>	<u>\$ 1,672,613</u>		<u>\$ 1,672,613</u>
17							
18							
19	Harris	0407437-Harris Gains NC	\$ (641,434)	\$ -	\$ 641,434	100%	\$ 641,434
20	EPA Auction Proceeds	0407370-SO2 EA Amortization	(1,041,667)	-	1,041,667	100%	1,041,667
21	Wayne	0403002-Depr-Expense	186,678	-	(186,678)	100%	(186,678)
22	Wayne	0407329-Wayne NC Regulatory Debit	1,057,554	-	(1,057,554)	100%	(1,057,554)
23	Wayne	0407392-Amort Debt Ret-NC	1,179,802	-	(1,179,802)	90%	(1,063,211) [1]
24	EPA Auction Proceeds	0407424-Amortization	(1,458,333)	-	1,458,333	100%	1,458,333
25	Over Amortization	0407601-Continued Amortization	(1,747,700)	-	1,747,700	100%	1,747,700
26	Over Amortization	0407462-Continued Amortization	5,200,389	-	(5,200,389)	100%	(5,200,389)
27	Total depreciation and amortization		<u>\$ 2,735,289</u>	<u>\$ -</u>	<u>\$ (2,735,289)</u>		<u>\$ (2,618,698)</u>
28							
29							
30	DOE Refund	0408151-Federal Unemployment Tax	\$ (26,426)	-	26,426	100%	26,426
31	DOE Refund	0408152-Employer FICA Tax	(344)	-	344	100%	344
32	Wayne	0408000-Nc Property Tax-Electric	22,074	-	(22,074)	100%	(22,074)
33	Total General Taxes		<u>\$ (4,697)</u>	<u>\$ -</u>	<u>\$ 4,697</u>		<u>\$ 4,697</u>
34							
35							
36							
37	<b>Rate Base Adjustments</b>		<b>Dec-18 Balance</b>		<b>Adjustment Amount</b>	<b>Rate Base Allocation</b>	<b>Total NC Retail</b>
38	Over Amortization	0182537-Extended Amortizaiton Asset	\$ 1,747,700		\$ (1,747,700)	100%	\$ (1,747,700)
39	Over Amortization	0182529-EA Auction Proceeds Amortiz	1,457,218		(1,457,218)	100%	(1,457,218)
40	Over Amortization	0254028-Excess Amortization Liability	(5,200,389)		5,200,389	100%	5,200,389
41	Total Rate Base		<u>\$ (1,995,471)</u>		<u>\$ 1,995,471</u>		<u>\$ 1,995,471</u>

[1] The debt return accrual portion of \$116,591 is not included in COS.

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Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for Merger Related Costs  
For the test period ended December 31, 2018

NC-1900  
Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expenses, income taxes, depreciation and amortization expense, electric plant in service and accumulated depreciation to remove the impact of Piedmont and Progress merger costs included in the test period and the impacts in other proformas.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.



Duke Energy Progress, LLC  
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Adjust for Merger Related Costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1900  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-1901	(4,039)
11	Depreciation and amortization	NC-1901	(172)
12	General taxes	NC-1901	(53)
13	Interest on customer deposits		-
14	Income taxes	NC-1901	988
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(3,276)
18			
19	Operating income	L4 - L17	<u>\$ 3,276</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service	NC-1901	\$ -
29	Accumulated depreciation and amortization	NC-1901	347
30	Electric plant in service, net	Sum L28 through L29	<u>347</u>
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			-
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ 347</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
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Adjust for Merger Related Costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-1901  
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Line No.	Description	Total Utility	NC Retail Allocation	Total NC Retail
1				
2	Remove Merger Cost to Achieve - A&G	\$ (5,594) [1]	66.2120% [2]	\$ (3,704)
3	Remove Merger Cost to Achieve - Customer Accts	(375) [1]	89.2967% [3]	(335)
4	Impact to O&M (L2 + L3)	<u>\$ (5,969)</u>		<u>\$ (4,039)</u>
5				
6	Remove Depreciation related to Merger Transmission Plant	\$ (288) [4]	59.6699% [5]	\$ (172)
7	Impact to Depreciation and Amortization (L6)	<u>\$ (288)</u>		<u>\$ (172)</u>
8				
9	Remove General Taxes	<u>\$ (80) [1]</u>	66.2120% [2]	<u>\$ (53)</u>
10				
11	Statutory tax rate	23.1693% [6]		23.1693%
12	Impact to income taxes ((-L4 - L7 - L9) x L11)	<u>\$ 1,468</u>		<u>\$ 988</u>
13				
14	Impact to operating income (-L4 - L7 - L9 - L12)	<u>\$ 4,869</u>		<u>\$ 3,276</u>
15				
16	<u>Rate Base investment:</u>			
17	Remove Transmission Merger Electric Plant in Service	- [4]	59.6699% [5]	\$ -
18	Remove Transmission Merger Accumulated Depreciation	582 [4]	59.6699% [5]	347
19	Impact to Rate Base investment (L17 + L18)	<u>\$ 582</u>		<u>\$ 347</u>
20				
21	Impact to rate base (L19)	<u>\$ 582</u>		<u>\$ 347</u>

[1] NC-1902 - Piedmont Cost to Achieve

[2] NC Retail Allocation Factor - LAB - Company Labor Expense

[3] NC Retail Allocation Factor - C1ALL - Number of Customers

[4] NC-1903 - Progress Cost to Achieve

[5] NC Retail Allocation Factor - DTALL - Transmission Demand

[6] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

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NC-1902  
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Piedmont Cost to Achieve

Line No.	Description	Total Utility 12/31/2018
1	0903000 - Cust Records and Collection Exp	\$ 374,792
2	0903200 - Cust Billing and Acct	175
3	0920000 - A and G Salaries	1,215,937
4	0921100 - Employee Expenses	42,052
5	0921200 - Office Expenses	(27,999)
6	0921400 - Computer Services Expenses	35,520
7	0921540 - Computer Rent (Go Only)	26,857
8	0921980 - Office Supplies and Expenses	50,790
9	0923000 - Outside Services Employed	3,975,934
10	0926000 - Empl Pensions and Benefits	319
11	0926600 - Employee Benefits - Transferred	274,045
12	0930200 - Misc General Expenses	359
13	0930250 - Buy\Sell Transf Employee Homes	30
14	0930940 - General Expenses	27
15	0931001 - Rents - AandG	18
16	0935100 - Maint General Plant-Elec	117
17	Total O&M (Sum L1 through L16)	<u>\$ 5,968,973</u>
18		
19	0408960 - Allocated Payroll Taxes	80,126
20		
21	Total General Taxes(L19)	<u>\$ 80,126</u>
22		
23	Total Piedmont Cost to Achieve (L17 + L21)	<u>\$ 6,049,099</u>

[1] Source: Corporate Accounting

Duke Energy Progress, LLC  
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Adjust for Merger Related Costs  
For the test period ended December 31, 2018

NC-1903  
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Progress Cost to Achieve Impacts

Line No.	Description	Plant in Service 12/31/2018	Current Rate	Calculated Annual Accrual	Actual 12ME Depr Booked	Difference
1	<u>Impact to Income Statement Line Items</u>					
2	Transmission - Gross Projects	\$ 31,094,895 [1]	1 90% [2]	\$590,803	287,669	\$ 303,134
3	Transmission Expansion Projects (TEP) - Impairment Projects - Total	(18,560,135) [1]	1 90% [2]	(352,643)	(287,669) [4]	(64,973)
4	Balance in Plant in Service related to TEP (L2 + L3)	\$ 12,534,761		\$238,160	\$ -	\$ 238,160
5	Impact of Progress CTA assets to depreciation expense in NC-0802 (L4)					\$ 238,160
6						
7						
8						
9						
10						
11	Transmission - Gross Projects	\$ 31,094,895 [1]	1 90% [2]	\$590,803	2.23% [3]	\$ 693,416
12	Transmission Expansion Projects (TEP) - Impairment Projects - Full	(15,918,349) [1]	1 90% [2]	(302,449)	2.23% [3]	(354,979)
13	Transmission Expansion Projects (TEP) - Impairment Projects - Partial	(2,641,786) [1]	0 00%	-	0.00%	-
14	Balance in Plant in Service related to TEP (L11 + L12 + L13)	\$ 12,534,761		\$288,354	\$ 338,437	\$ 50,083
15	Impact of Progress CTA assets to depreciation expense in NC-2602 (L14)					\$ 50,083
16						
17						
18						
19						
20						
21	Electric Plant in Service - Balances	\$ - [1]			2.23% [3]	\$ -
22	Impact of Progress CTA assets to depreciation expense in NC-1001 (L21)					\$ -
23						
24	Impact to depreciation and amortization (L5 + L15 + L22)					\$ 288,243
25						
26						
27						
28						
29						
30	<u>Impact to Rate Base Line Items</u>					
31	Electric Plant in Service - Balances	\$ - [1]				\$ -
32	Impact of Progress CTA assets to electric plant in service in NC-1002 (L31)					\$ -
33						
34	Impact to electric plant in service (L32)					\$ -
35						
36	Accumulated Depreciation - Balances	\$ (343,723) [1]				\$ (343,723)
37	Impact of Progress CTA assets to accumulated depreciation in NC-1003 (L36)					\$ (343,723)
38						
39						
40						
41						
42	Transmission - Gross Projects	\$ 31,094,895 [1]	1 90% [2]	\$590,803	294,620 [1]	\$ 296,183
43	Transmission Expansion Projects (TEP) - Impairment Projects - Total	(18,560,135) [1]	1 90% [2]	(352,643)	(294,620) [1]	(58,023)
44	Balance in Plant in Service related to TEP (L42 + L43)	\$ 12,534,761		\$238,160	\$ -	\$ 238,160
45	Impact of Progress CTA assets to accumulated depreciation in NC-1006 (-L44)					\$ (238,160)
46						
47	Impact to accumulated depreciation (L37 + L45)					\$ (581,884)
48						
49	Total net plant (L34 + L47)					\$ (581,884)

[1] NC-1904 - Progress Cost to Achieve - Monthly Amounts

[2] NC-0802 - Adjustment to Annualize Depreciation Expense at Dec. 31, 2018

[3] NC-2602 - Comparison of Current and Proposed Depreciation as of December 31, 2018

[4] Provided by Asset Accounting

[5] Electric plant in service and accumulated depreciation balances at 12/31/2018 related to the Transmission Expansion Projects are excluded in COSS in lines TRANSMISSION PLANT - FERC MIT REL and DPR TRANS RELATED - FERC MIT REL

Duke Energy Progress, LLC  
Docket No. E-2 Sub 1219  
Adjust for Merger Related Costs  
For the test period ended December 31, 2018  
Progress Cost to Achieve - Monthly Amounts

NC-1904  
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Line No.	Description	ACTUALS [1]												FORECAST [2]				Net Change n = m - a
		Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020		
1	Electric Plant in Service - Balances	a	b	c	d	e	f	g	h	i	j	k	l	m				
2	Transmission - Gross Projects	\$ 31,004,895	\$ 31,004,895	\$ 31,005,028	\$ 31,005,028	\$ 31,005,028	\$ 31,005,028	\$ 31,005,028	\$ 31,004,895	\$ 31,004,895	\$ 31,004,895	\$ 31,004,895	\$ 31,004,895	\$ 31,004,895	\$ 31,004,895	\$ -		
3	Transmission - Expansion Projects (TEP) - Impairment Projects - Fully	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	(15,018,349)	\$ -		
4	Transmission - Expansion Projects (TEP) - Impairment Projects - Partially	(2,641,786)	(2,641,786)	(2,593,748)	(2,531,711)	(2,476,674)	(2,421,637)	(2,366,600)	(2,311,562)	(2,256,525)	(2,201,488)	(2,146,451)	(2,091,414)	(2,036,377)	(1,981,340)	\$ -		
5	Balance in Plant in Service related to Transmission Expansion Projects (TEP)	\$ 12,534,761	\$ 12,589,798	\$ 12,644,967	\$ 12,700,003	\$ 12,755,040	\$ 12,810,077	\$ 12,865,115	\$ 12,919,152	\$ 12,974,190	\$ 13,029,227	\$ 13,084,264	\$ 13,139,301	\$ 13,194,338	\$ 13,249,375	\$ -		
6	Accumulated Depreciation - Balances																	
7	Accumulated Depreciation related to Transmission Expansion Projects (TEP)	\$ (1,278,080)	\$ (1,302,632)	\$ (1,327,184)	\$ (1,351,735)	\$ (1,376,287)	\$ (1,400,839)	\$ (1,425,390)	\$ (1,449,942)	\$ (1,474,494)	\$ (1,499,045)	\$ (1,523,597)	\$ (1,548,148)	\$ (1,572,700)	\$ (1,597,252)	\$ (343,723)		
8	Depreciation Expense - Activity																	
9	Depreciation Expense - Gross Projects	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ 24,552	\$ -		
10	Depreciation Expense - Impairment	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	(24,552)	\$ -		
11	Depreciation Expense related to Transmission Expansion Projects (TEP)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
12	[1] Actual amounts provided by Duke Energy - Asset Accounting																	
13	[2] Forecasted Plant in Service amounts provided by Duke Energy - Carolinas Planning and Forecasting																	

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize Severance Costs  
For the test period ended December 31, 2018

NC-2000  
Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expenses and income taxes to remove abnormal severance costs included in the test period and to amortize the abnormal severance costs over three years.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize Severance Costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2000  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-2001	(23,366)
11	Depreciation and amortization		
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-2001	5,414
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(17,952)
18			
19	Operating income	L4 - L17	<u>\$ 17,952</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment	NC-2001	23,297
35			
36			
37	Less:		
38	Accumulated deferred taxes	NC-2001	(5,398)
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ 17,899</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize Severance Costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2001  
Page 1 of 1

Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
1				
2	Remove actual severance costs in 2018	\$ (52,883) [1]	66.2120% [3]	\$ (35,015)
3	Annual amortization related to severance costs	17,593 [2]	66.2120% [3]	11,649
4	Impact to O&M (L2 + L3)	\$ (35,290)		\$ (23,366)
5				
6	Statutory tax rate	23.1693% [4]		23.1693% [4]
7	Impact to income taxes (-L4 x L6)	\$ 8,176		\$ 5,414
8				
9	Impact to operating income (-L4 - L7)	\$ 27,114		\$ 17,952
10				
11	<u>Working capital investment:</u>			
12	Establish a regulatory asset for severance costs	52,779 [1]	66.2120% [3]	\$ 34,946
13	Less first year of amortization (-L3)	(17,593)	66.2120% [3]	(11,649)
14	Impact to working capital investment (L12)	\$ 35,186		\$ 23,297
15				
16	Statutory tax rate	23.1693% [4]		23.1693% [4]
17	Impact to accumulated deferred income tax (-L14 x L16)	\$ (8,152)		\$ (5,398)
18				
19	Impact to rate base (L14+L17)	\$ 27,034		\$ 17,899

[1] NC 2002 - Adjustment to remove severance and retention costs, Line 7

[2] NC 2002 - Adjustment to amortize severance and retention costs, Line 11

[3] NC Retail Allocation Factor - LAB

[4] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize Severance Costs  
For the test period ended December 31, 2018

NC-2002  
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Adjustment to amortize severance costs

Line		Total Duke Energy Progress 12/31/2018	Total Duke Energy Progress 6/30/2019	
<u>No.</u>	<u>Description</u>			
1	Abnormal severance costs related to 2018 - Duke Energy Progress	\$ 41,393,957	\$ 41,393,957	[2]
2	Abnormal severance costs related to 2018 - Allocated from DEBS	11,384,777	11,384,777	[1]
3	Total abnormal severance costs related to 2018 (L1+L2)	\$ 52,778,734	\$ 52,778,734	
4				
5	Abnormal retention costs related to 2018	104,316	-	[3]
6				
7	Total abnormal severance and retention costs related to 2018 (L1+L2)	\$ 52,883,050	\$ 52,778,734	
8				
9	Years to amortize costs		3	
10				
11	Annual amortization related to severance costs (L3/L5)		<u>\$ 17,592,911</u>	

[1] Information provided by Duke Energy Corporate Accounting

[2] Per Duke Energy Corporate Accounting, there have been no true-ups related to the 2018 abnormal severance as of June 30, 2019.

[3] Abnormal retention in 2018 related to the Tax Department transition to Ernst and Young. Removing to normalize the test year.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust NC income taxes for rate change  
For the test period ended December 31, 2018

NC-2100  
Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts income tax expense to reflect the change in the North Carolina income tax rate from 3% to 2.5% that was effective January 1, 2019.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust NC income taxes for rate change  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2100

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense		-
11	Depreciation and amortization		
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-2101	(2,183)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(2,183)
18			
19	Operating income	L4 - L17	<u>\$ 2,183</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	L28 + L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			-
36	Less:		
37	Accumulated deferred taxes		-
38	Operating reserves		-
39			-
40			
41	Construction work in progress		-
42			
43	Total impact to rate base	Sum L30 through L41	<u>\$ -</u>

Note:

Rate Base: positive number increases rate base / negative number decreases rate base

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust NC Income taxes for rate change  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2101  
Page 1 of 1

Line No.	System Tax Expense (a)	NC Retail Allocation (b)	Test Period NC Retail (c) = (a) x (b)	2018 Rate (d)	2019 Rate (e)	Taxes at New Rate (f) = (c) / (d) x (e)	Adjustment (g) = (f) - (c)
2	<u>Total State Income Tax - Per Book:</u>						
3	NC State Income Tax - Per Book	(1,684) [1]	74.0516% [4]	(1,247)	3.0000% [2]	2,5000% [3]	(1,039)
4	SC State Income Tax - Per Book	(2,254) [1]	74.0516% [4]	(1,669)	5.0000% [2]	5.0000% [3]	(1,669)
5							208
6	Federal Income Tax - Per Book	(66,293) [1]	74.0516% [4]	(49,091)	21.0000% [2]	21.0000% [3]	(49,135) [5]
7							(44)
8	<u>Deferred Income Tax - Per Book:</u>						
9	Wholesale - Direct Assigned	(739) [2]	0.0000%	-			
10	NC Retail - Direct Assigned	(18,743) [2]	100.0000%	(18,743)			
11	SC Retail - Direct Assigned	(7,785) [2]	0.0000%	-			
12	Allocated	248,120	74.0516% [4]	183,737			
13	Total Deferred Income Tax - Per Book	220,853 [1]		164,994	23.5036% [3]	23.1693% [3]	162,647
14							(2,347)
15	Book Income Taxes, excluding ITC	150,622		112,986			
16							110,803
17							(2,183)
18	<u>Blended Tax Rate Calculations:</u>						
19	NC	Apportionment Rates 84.6380% [3]		2018 Tax Rate 3.0000% [2]	2019 Tax Rate 2.5000% [3]		
20	SC	12.6000% [3]		5.0000% [2]	5.0000% [3]		
21	State Blended			3.1691%	2.7460%		
22	Federal			21.0000% [2]	21.0000% [3]		
23	Total Blended			23.5036%	23.1693%		

[1] E-1 Item 13(a) (1-4) & (6) - Analysis of Operating Federal & State Current & Deferred Income Tax Expense (Excludes Non-Operating Taxes)

[2] Information provided by E&Y Tax Department

[3] NC-0104 - 2019 Calculation of Tax Rates - NC and SC Apportionment Rates, Lines 3 and 4

[4] NC Retail Allocation Factor - Pretax Operating Income Net of Interest Before Add'l Tax Deductions

[5] Column (f) for the federal income taxes includes the impact of the change in state taxes on the deductions for federal income tax.



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Synchronize interest expense with end of period rate base  
For the test period ended December 31, 2018

NC-2200  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro-forma adjusts income taxes to reflect the tax impact that results from annualizing interest expense based on the end-of-period, adjusted rate base.

The impact to income taxes was determined as follows:

First, multiply rate base after all pro-forma adjustments have been made by the long-term debt ratio to calculate an adjusted long-term debt balance. Second, multiply the adjusted long-term debt balance by the end of year cost of long-term debt to calculate annualized interest expense. Third, subtract interest expense incurred during the test period from annualized interest expense and multiply the difference by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Synchronize interest expense with end of period rate base  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2200  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense		-
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-2201	123
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	123
18			
19	Operating income	L4 - L17	\$ (123)
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ -
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Synchronize interest expense with end of period rate base  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2201  
Page 1 of 1  
Application

Line No.	Description	Total System Col [a]	NC Retail Allocation Col [b]	Total NC Retail Col [c]
1				
2	Rate base before pro forma adjustments	\$ 14,580,739 [1]	67.6169% [2]	\$ 9,859,050 [1]
3				
4	Pro forma rate base before working capital adjustment	\$ 15,990,943 [3]		\$ 10,812,587
5				
6	Long-term debt ratio	47.0000% [4]		47.0000% [4]
7	Calculated long-term debt (L4 x L6)	\$ 7,515,743		\$ 5,081,916
8				
9	End of year cost of long-term debt	4.1546% [4]		4.1546% [4]
10	Annualized interest expense (L7 x L9)	\$ 312,246		\$ 211,131
11				
12	Incurred interest expense	315,466 [5]	67.0949% [6]	211,661
13	Less interest on customer deposits	(8,643) [7]		(7,971) [7]
14	Net interest expense	306,823		203,690
15				
16	Increase / <decrease> to interest costs (L10 - L14)	\$ 5,423		\$ (530)
17				
18	Statutory tax rate	23.1693% [8]		23.1693% [8]
19	Impact to income taxes (-L16 x L18)	\$ (1,256)		\$ 123
20				
21	Impact to operating income (-L19)	\$ 1,256		\$ (123)

[1] Smith Exhibit 1, Page 1, Line 12

[2] NC Retail Allocation Factor - Calculation: L2, Col [c] / L2, Col [a]

[3] Calculation: L4, Col [c] / L2, Col [b]

[4] Smith Exhibit 1, Page 2, Line 1

[5] Cost of Service, E-1 Item 45a, Total Other Interest Expense, Line 702

[6] NC Retail Allocation Factor - Net Book Plant

[7] Smith Exhibit 1, Page 1, Line 7

[8] NC-0104 - 2019 Tax Rate, Line 10

Duke Energy Progress, LLC

Docket No. E-2, Sub 1219

Adjust cash working capital for present revenue annualized and proposed revenue

For the test period ended December 31, 2018

NC-2300

Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts cash working capital to incorporate the impact of the other pro forma adjustments. It also calculates the additional cash working capital required as a result of the proposed increase in rates. The adjustment is in accordance with the Commission's March 21, 2016 order in Docket No. M-100 Sub 137.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for present revenue annualized and proposed revenue  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2300  
Application

Line No.	Description	Source	Present Total NC Retail	Proposed Total NC Retail
1				
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>			
3				
4	Electric operating revenue		\$ -	\$ -
5				
6	Electric operating expenses:			
7	Operation and maintenance			
8	Fuel used in electric generation		-	-
9	Purchased power		-	-
10	Other operation and maintenance expense		-	-
11	Depreciation and amortization		-	-
12	General taxes		-	-
13	Interest on customer deposits		-	-
14	Income taxes	NC-2301 & NC-2302	122	(337)
15	Amortization of investment tax credit		-	-
16				
17	Total electric operating expenses	Sum L8 through L15	122	(337)
18				
19	Operating income	L4 - L17	\$ (122)	\$ 337
20				
21	Notes:			
22	Revenue: positive number increases revenue / negative number decreases revenue			
23	Expense: positive number increases expense / negative number decreases expense			
24				
25				
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>			
27				
28	Electric plant in service		\$ -	\$ -
29	Accumulated depreciation and amortization		-	-
30	Electric plant in service, net	Sum L28 through L29	-	-
31				
32	Add:			
33	Materials and supplies		-	-
34	Working capital investment	NC-2302	(27,013)	74,407
35				
36				
37	Less:			
38	Accumulated deferred taxes		-	-
39	Operating reserves		-	-
40				
41				
42	Construction work in progress		-	-
43				
44	Total impact to rate base	Sum L30 through L42	\$ (27,013)	\$ 74,407
45				
46	Note:			
47	Rate Base: positive number increases rate base / negative number decreases rate base			

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2301  
Application

Line No.	Description	Financials		NC Retail		Iteration 1		Weighted Lead Lag Days
		Adjusted Revenue with CWC	Revenue Increase	Adjusted w/increase	Increase	With Increase		
		(a)	(b) = (c) - (a)	(c) = (n)	(d) = (e) - (a)	(e) = (a) + (d)		(f)
1	Total Adjusted Present Revenue	\$ 3,339,374						42.09 [1]
2	Revenue Increase (L3)	-	585,960		579,195			41.88 [7]
3	Revenues							
4	[Solved Through Iterative Process to Produce Target ROR] (L22 + L24)	3,339,374	585,960	3,925,334	579,195	3,918,570		42.06 [8]
5	<u>Operating Expenses:</u>							
6	Fuel Used in Electric Generation	835,224	-	835,224		835,224		28.62 [1]
7	Purchased Power	156,798	-	156,798		156,798		33.21 [1]
8								
9	Operation & Maintenance Expense	873,513						35.35 [1]
10	Revenue Increase (L11)		2,163		2,138	875,650		35.19 [7]
11	Operation and Maintenance Expense with Increase	873,513	2,163	875,675	2,138 [3]		35.35 [8]	
12								
13	Total Adjusted Depreciation and Amortization	971,156	-	971,156		971,156		0.00 [1]
14	Total Adjusted General Taxes	104,215	-	104,215		104,215		130.20 [1]
15	Total Adjusted Interest on Customer Deposits	7,971	-	7,971		7,971		137.50 [1]
16								
17	Net Income Taxes	38,082						13.68 [1]
18	Revenue Increase (L19)		134,925		133,700	171,782		-20.60 [7]
19	Income Taxes with Increase	38,082	134,925	173,007	133,700 [4]		-13.00 [8]	
20								
21	Amortization of Investment Tax Credit	(3,614)	-	(3,614)		(3,614)		0.00 [1]
22	Total Operating Expense (L6+L7+L11+L13+L14+L15+L19+L21)	2,983,344	137,088	3,120,431	135,838	3,119,162		23.24 [9]
23								
24	Income for Return (L3 - L22)	356,031	448,872	804,903	443,358	799,388 [5]		23.10 [9]
25	Interest Expense	210,604	1,453	212,057	-	210,604 [6]		87.70 [1]
26	Return for Equity (L24 - L25)	145,427	447,419	592,846	443,358	588,784		0.00 [1]
27								
28	Total Requirement (L22 + L24 = L3)	\$ 3,339,374		\$ 3,925,334		\$ 3,918,570		23.21 [9]
29								
30	Rate Base							
31	[CWC Solved for Through Iterative Process]	\$ 10,785,574	\$ 74,407	\$ 10,859,981		\$ 10,785,574		
32	Overall Rate of Return (L24 / L30)	3.30%		7.41%		7.41%		
33	Target Rate of Return	7.41% [2]		7.41% [2]		7.41% [2]		
34								
35								
36	Calculation of Change in Cash Working Capital (CWC) due to Revenue Increase							
37	Annual Requirement (L3 and/or L28)	\$ 3,339,374	Revenue Increase	Adjusted w/increase				
38	Daily Requirement (L37 / 365 Days)	\$ 9,149		\$ 3,925,334		\$ 3,918,570		
39	Net Lag Days	14.03 [1]		\$ 10,754		\$ 10,786		
40				18.86		18.84		
41	Est. CWC Req. Before Sales Tax Requirement (L38 x L39)	\$ 128,369	\$ 74,407	\$ 202,775	\$ 73,915	\$ 202,284		
42	Add: Working Capital Related to NC Sales Tax	\$ 4,760		\$ 4,760				
43	Total Cash Working Capital Requirements (L41 + L42)	\$ 133,128	\$ 74,407	\$ 207,535				

#### Notes

- [1] NC-2302. Adjustment to cash working capital for present revenue annualized  
[2] NC-2304. Total ROR  
[3] Reg fee x revenue requirement  
[4] L26 / (1 - Tax Rate) - L26  
[5] Line 30 x Rate of Return  
[6] Rate Base x Debt Rate x Debt Ratio  
[7] Docket No. E-2, Sub 1219, E-1 term 14, Lead Lag  
[8] Calculation of Average Lead/Lag Day  
[9] New weighted averages are calculated.



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2301  
Application

Line No.	Description	Financials		NC R1	NC Retail Iteration 2		Weighted
		Adjusted Revenue with CWC (a)	Revenue Increase (b) = (c) - (a)	Adjusted w/increase (c) = (n)	Increase (g) = (n) - (e)	With Increase (h) = (e) + (g)	Lead Lag Days (i)
1	Total Adjusted Present Revenue						
2	Revenue Increase (L3)	\$ 3,339,374 [1]	585,960		6,720	3,925,290	42.09 [1]
3	Revenues	-	585,960		6,720	3,925,290	41.88 [7]
4	[Solved Through Iterative Process to Produce Target ROR] (L22 + L24)	3,339,374	585,960	3,925,334	6,720	3,925,290	42.06 [8]
5	<u>Operating Expenses:</u>						
6	Fuel Used in Electric Generation	835,224 [1]	-	835,224	28.62 [1]	835,224	28.62 [1]
7	Purchased Power	156,798 [1]	-	156,798	33.21 [1]	156,798	33.21 [1]
8		873,513 [1]					
9	Operation & Maintenance Expense	873,513 [1]	2,163		25	25	35.35 [1]
10	Revenue Increase (L11)		2,163		25 [3]	875,675	35.19 [7]
11	Operation and Maintenance Expense with Increase	873,513		875,675			35.35 [8]
12							
13	Total Adjusted Depreciation and Amortization	971,156 [1]	-	971,156	0.00 [1]	971,156	0.00 [1]
14	Total Adjusted General Taxes	104,215 [1]	-	104,215	130.20 [1]	104,215	130.20 [1]
15	Total Adjusted Interest on Customer Deposits	7,971 [1]	-	7,971	137.50 [1]	7,971	137.50 [1]
16							
17	Net Income Taxes	38,082 [1]			13.68 [1]		13.68 [1]
18	Revenue Increase (L19)		134,925		1,217 [4]	172,999	-20.60 [7]
19	Income Taxes with Increase	38,082		173,007	1,217		-13.05 [8]
20							
21	Amortization of Investment Tax Credit	(3,614) [1]	-	(3,614)	1,242	3,120,423	0.00 [1]
22	Total Operating Expense (L6+L7+L11+L13+L14+L15+L19+L21)	2,983,344	137,088	3,120,431			23.23 [9]
23							
24	Income for Return (L3 - L22)	356,031	448,872	804,903	5,478	804,866 [5]	23.10 [9]
25	Interest Expense	210,604 [1]	1,453	212,057	1,443	212,047 [6]	87.70 [1]
26	Return for Equity (L24 - L25)	145,427	447,419	592,846	4,035	592,820	0.00 [1]
27							
28	Total Requirement (L22 + L24 = L3)	\$ 3,339,374		\$ 3,925,334		\$ 3,925,290	23.20 [9]
29							
30	Rate Base						
31	[CWC Solved for Through Iterative Process]	\$ 10,785,574 [1]	\$ 74,407	\$ 10,859,981	\$ 73,915	\$ 10,859,490	
32	Overall Rate of Return (L24 / L30)	3.30%		7.41%			
33	Target Rate of Return	7.41% [2]		7.41% [2]			7.41% [2]
34							
35							
36	Calculation of Change in Cash Working Capital (CWC) due to Revenue Increase						
37	Annual Requirement (L3 and/or L28)	\$ 3,339,374	Revenue Increase	Adjusted w/increase			
38	Daily Requirement (L37 / 365 Days)	\$ 9,149		\$ 3,925,334		\$ 3,925,290	
39	Net Lag Days	14.03 [1]		18.86		10,754	
40						18.86	
41	Est. CWC Req. Before Sales Tax Requirement (L38 x L39)	\$ 128,369	\$ 74,407	\$ 202,775	\$ 488	\$ 202,772	
42	Add: Working Capital Related to NC Sales Tax	\$ 4,760 [1]		\$ 4,760 [1]			
43	Total Cash Working Capital Requirements (L41 + L42)	\$ 133,128	\$ 74,407	\$ 207,535			

#### Notes

- [1] NC-2302. Adjustment to cash working capital for present revenue annualized  
[2] NC-2304. Total ROR  
[3] Reg fee x revenue requirement  
[4] L26 / (1 - Tax Rate) - L26  
[5] Line 30 x Rate of Return  
[6] Rate Base x Debt Rate x Debt Ratio  
[7] Docket No. E-2, Sub 1219, E-1 Item 14, Lead Lag  
[8] Calculation of Average Lead/Lag Day  
[9] New weighted averages are calculated.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2301  
Application

Line No.	Description	Financials		NC R1	NC Retail Iteration 3		Weighted
		Adjusted Revenue with CWC (a)	Revenue Increase (b) = (c) - (a)	Adjusted w/increase (c) = (n)	Increase (j) = (k) - (n)	With Increase (k) = (n) + (j)	Lead Lag Days (l)
1	Total Adjusted Present Revenue						
2	Revenue Increase (L3)	\$ 3,339,374 [1]	585,960		44	3,925,334	42.09 [1]
3	Revenues	-	585,960		44	3,925,334	41.88 [7]
4	[Solved Through Iterative Process to Produce Target ROR] (L22 + L24)	3,339,374	585,960	3,925,334	44	3,925,334	42.06 [8]
5	<u>Operating Expenses:</u>						
6	Fuel Used in Electric Generation	835,224 [1]	-	835,224		835,224	28.62 [1]
7	Purchased Power	156,798 [1]	-	156,798		156,798	33.21 [1]
8							
9	Operation & Maintenance Expense	873,513 [1]	2,163		0	875,675	35.35 [1]
10	Revenue Increase (L11)				0 [3]	25	35.19 [7]
11	Operation and Maintenance Expense with Increase	873,513	2,163	875,675		875,675	35.35 [8]
12							
13	Total Adjusted Depreciation and Amortization	971,156 [1]	-	971,156		971,156	0.00 [1]
14	Total Adjusted General Taxes	104,215 [1]	-	104,215		104,215	130.20 [1]
15	Total Adjusted Interest on Customer Deposits	7,971 [1]	-	7,971		7,971	137.50 [1]
16							
17	Net Income Taxes	38,082 [1]					13.68 [1]
18	Revenue Increase (L19)		134,925		8		-20.60 [7]
19	Income Taxes with Increase	38,082	134,925	173,007	8 [4]	173,007	-13.05 [8]
20							
21	Amortization of Investment Tax Credit	(3,614) [1]	-	(3,614)	8	(3,614)	0.00 [1]
22	Total Operating Expense (L6+L7+L11+L13+L14+L15+L19+L21)	2,983,344	137,088	3,120,431	8	3,120,431	23.23 [9]
23							
24	Income for Return (L3 - L22)	356,031	448,872	804,903 [5]	36	804,903 [5]	23.10 [9]
25	Interest Expense	210,604 [1]	1,453	212,057	10	212,056 [6]	87.70 [1]
26	Return for Equity (L24 - L25)	145,427	447,419	592,846	27	592,846	0.00 [1]
27							
28	Total Requirement (L22 + L24 = L3)	\$ 3,339,374		\$ 3,925,334		\$ 3,925,334	23.20 [9]
29							
30	Rate Base						
31	[CWC Solved for Through Iterative Process]						
32	Overall Rate of Return (L24 / L30)	\$ 10,785,574 [1]	\$ 74,407	\$ 10,859,981	\$ 488	\$ 10,859,978	
33	Target Rate of Return	3.30%		7.41%			
34		7.41% [2]		7.41% [2]		7.41% [2]	
35							
36	Calculation of Change in Cash Working Capital (CWC) due to Revenue Increase						
37	Annual Requirement (L3 and/or L28)	\$ 3,339,374	Revenue Increase	Adjusted w/increase		\$ 3,925,334	
38	Daily Requirement (L37 / 365 Days)	\$ 9,149		\$ 3,925,334		\$ 10,754	
39	Net Lag Days	14.03 [1]		18.86		18.86	
40							
41	Est. CWC Req. Before Sales Tax Requirement (L38 x L39)	\$ 128,369	\$ 74,407	\$ 202,775	\$ 3	\$ 202,775	
42	Add: Working Capital Related to NC Sales Tax	\$ 4,760 [1]		\$ 4,760 [1]			
43	Total Cash Working Capital Requirements (L41 + L42)	\$ 133,128	\$ 74,407	\$ 207,535			

## Notes

- [1] NC-2302. Adjustment to cash working capital for present revenue annualized  
[2] NC-2304. Total ROR  
[3] Reg fee x revenue requirement  
[4] L26 / (1 - Tax Rate) - L26  
[5] Line 30 x Rate of Return  
[6] Rate Base x Debt Rate x Debt Ratio  
[7] Docket No. E-2, Sub 1219, E-1 term 14, Lead Lag  
[8] Calculation of Average Lead/Lag Day  
[9] New weighted averages are calculated.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2301  
Application

		Financials		NC R1		NC Retail Iteration 4		Weighted	
								Lead Lag Days	
Line No.	Description	Adjusted Revenue with CWC (a)	Revenue Increase (b) = (c) - (a)	Adjusted w/increase (c) = (n)	Increase (m) = (n) - (k)	With Increase (n) = (k) + (m)			
1	Total Adjusted Present Revenue								
2	Revenue Increase (L3)	\$ 3,339,374 [1]	585,960		0			42.09	[1]
3	Revenues							41.88	[7]
4	[Solved Through Iterative Process to Produce Target ROR] (L22 + L24)	3,339,374	585,960	3,925,334	0	3,925,334		42.06	[8]
5	Operating Expenses:								
6	Fuel Used in Electric Generation	835,224 [1]	-	835,224		835,224		28.62	[1]
7	Purchased Power	156,798 [1]	-	156,798		156,798		33.21	[1]
8									
9	Operation & Maintenance Expense	873,513 [1]	2,163		0	25		35.35	[1]
10	Revenue Increase (L11)							35.19	[7]
11	Operation and Maintenance Expense with Increase	873,513	2,163	875,675	0 [3]	875,675		35.35	[8]
12									
13	Total Adjusted Depreciation and Amortization	971,156 [1]	-	971,156		971,156		0.00	[1]
14	Total Adjusted General Taxes	104,215 [1]	-	104,215		104,215		130.20	[1]
15	Total Adjusted Interest on Customer Deposits	7,971 [1]	-	7,971		7,971		137.50	[1]
16									
17	Net Income Taxes	38,082 [1]						13.68	[1]
18	Revenue Increase (L19)		134,925		0			-20.60	[7]
19	Income Taxes with Increase	38,082	134,925	173,007	0 [4]	173,007		-13.05	[8]
20									
21	Amortization of Investment Tax Credit	(3,614) [1]	-	(3,614)				0.00	[1]
22	Total Operating Expense (L6+L7+L11+L13+L14+L15+L19+L21)	2,983,344	137,088	3,120,431	0	3,120,431		23.23	[9]
23									
24	Income for Return (L3 - L22)	356,031	448,872	804,903	0	804,903 [5]		23.10	[9]
25	Interest Expense	210,604 [1]	1,453	212,057	0	212,057 [6]		87.70	[1]
26	Return for Equity (L24 - L25)	145,427	447,419	592,846	0	592,846		0.00	[1]
27									
28	Total Requirement (L22 + L24 = L3)	\$ 3,339,374		\$ 3,925,334		\$ 3,925,334		23.20	[9]
29									
30	Rate Base								
31	[CWC Solved for Through Iterative Process]	\$ 10,785,574 [1]	\$ 74,407	\$ 10,859,981	\$ 3	\$ 10,859,981			
32	Overall Rate of Return (L24 / L30)	3.30%		7.41%		7.41%			
33	Target Rate of Return	7.41% [2]		7.41% [2]		7.41% [2]			
34									
35									
36	Calculation of Change in Cash Working Capital (CWC) due to Revenue Increase								
37	Annual Requirement (L3 and/or L28)	\$ 3,339,374	Revenue Increase	Adjusted w/increase					
38	Daily Requirement (L37 / 365 Days)	\$ 9,149		\$ 3,925,334					
39	Net Lag Days	14.03 [1]		10,754					
40				18.86					
41	Est. CWC Req. Before Sales Tax Requirement (L38 x L39)	\$ 128,369	\$ 74,407	\$ 202,775					
42	Add: Working Capital Related to NC Sales Tax	\$ 4,760 [1]		\$ 4,760 [1]					
43	Total Cash Working Capital Requirements (L41 + L42)	\$ 133,128	\$ 74,407	\$ 207,535					

## Notes

- [1] NC-2302. Adjustment to cash working capital for present revenue annualized  
[2] NC-2304. Total ROR  
[3] Reg fee x revenue requirement  
[4] L26 / (1 - Tax Rate) - L26  
[5] Line 30 x Rate of Return  
[6] Rate Base x Debt Rate x Debt Ratio  
[7] Docket No. E-2, Sub 1219, E-1 Item 14, Lead Lag  
[8] Calculation of Average Lead/Lag Day  
[9] New weighted averages are calculated.

/A

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for present revenue annualized and proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2302  
Application

		Financials			NC Retail		Lead Lag Days		
Line No.	Description	Per Books (a)	Adjustments (b)	Adjusted Before Change in CWC (c) = (a) + (b)	Change in CWC (d)	Adjusted with CWC (e) = (c) + (d)	Per Books (f)	Adjustments (g)	Adjusted Before Increase (h) = (f) + (g)
1	Revenue	\$ 3,657,503 [1]		\$ 3,657,503			42.13		42.13
2									
3	Rate Schedule Revenue								
4	NC-0100 Annualize Retail revenues for current rates		(225,760) [3]	(225,760)				41.88 [2]	41.88
5	NC-0300 Normalize for weather		(77,392) [3]	(77,392)				41.88 [2]	41.88
6	NC-0400 Annualize revenues for customer growth		5,182 [3]	5,182				41.88 [2]	41.88
7	NC-0500 Eliminate unbilled revenues		11,826 [3]	11,826				41.88 [2]	41.88
8	NC-0600 Adjust costs recovered through non-fuel riders		(27,830) [3]	(27,830)				41.88 [2]	41.88
9	NC-2900 Storm Deferral NC FMD		- [3]	-				41.88 [2]	41.88
10	NC-3000 Adjust Other Revenue		(4,155) [3]	(4,155)				98.96 [2]	98.96
11	Rounding		-	-				41.88 [2]	41.88
12	Revenue - Adjustments (Sum Lines 4 through 11)		(318,129)	(318,129)					
13									
14	Total Adjusted Revenue (L1 + L12)	\$ 3,657,503	\$ (318,129)	\$ 3,339,374 [3]	\$ -	\$ 3,339,374	42.13	(0.05)	42.09 [6]
15									
16	Operating Expenses:								
17	Fuel Used in Electric Generation	\$ 881,642 [2]		\$ 881,642			28.62		28.62
18	NC-0200 Update fuel costs to approved rate		(12,574) [3]	(12,574)				28.62 [2]	28.62
19	NC-0300 Normalize for weather		(18,180) [3]	(18,180)				28.62 [2]	28.62
20	NC-0400 Annualize revenues for customer growth		2,857 [3]	2,857				28.62 [2]	28.62
21	NC-0600 Adjust costs recovered through non-fuel riders		(18,522) [3]	(18,522)				28.62 [2]	28.62
22	NC-2900 Storm Deferral NC FMD		- [3]	-				28.62 [2]	28.62
23	Rounding		-	-				28.62 [2]	28.62
24	Fuel Used in Electric Generation - Adjustments (Sum Lines 18 through 23)		(46,419)	(46,419)					
25									
26	Total Adjusted Fuel Used in Electric Generation (L17 + L24)	\$ 881,642	\$ (46,419)	\$ 835,224 [3]	\$ -	\$ 835,224	28.62	0.00	28.62 [6]
27									
28	Purchased Power	\$ 158,763 [2]		\$ 158,763			33.17		33.17
29	NC-3500 Adjust purchased power		(1,965) [3]	(1,965)				30.29 [2]	30.29
30	Rounding		(1,965)	(1,965)					
31	Purchased Power - Adjustments (Sum Lines 29 through 30)								
32									
33	Total Adjusted Purchased Power (L28 + L31)	\$ 158,763	\$ (1,965)	\$ 156,798 [3]	\$ -	\$ 156,798	33.17	0.04	33.21 [6]

/A

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for present revenue annualized and proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2302  
Application

		Financials			NC Retail		Lead Lag Days		
Line No.	Description	Per Books	Adjustments	Adjusted Before Change in CWC	Change in CWC	Adjusted with CWC	Per Books	Adjustments	Adjusted Before Increase
		(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	(f)	(g)	(h) = (f) + (g)
34									
35	Operation & Maintenance Expense	\$ 1,050,819 [2]	(833) [3]	\$ 1,050,819 (833)			35.19 [1]		35.19
36	NC-0100 Annualize Retail revenues for current rates							35.19	35.19
37	NC-0200 Update fuel costs to approved rate		- [3]	-				35.19	35.19
38	NC-0300 Normalize for weather		(286) [3]	(286)				35.19	35.19
39	NC-0400 Annualize revenues for customer growth		19 [3]	19				35.19	35.19
40	NC-0600 Adjust costs recovered through non-fuel riders		(136,112) [3]	(136,112)				35.19	35.19
41	NC-0700 Adjust O&M for executive compensation		(2,399) [3]	(2,399)				31.67	31.67
42	NC-1200 Annualize O&M for executive compensation		1,311 [3]	1,311				32.27	32.27
43	NC-1300 Normalize O&M labor expenses		(18,512) [3]	(18,512)				31.67	31.67
44	NC-1400 Update benefits costs		(3,060) [3]	(3,060)				14.23	14.23
45	NC-1500 Levelize nuclear refueling outage costs		(6,232) [3]	(6,232)				40.52	40.52
46	NC-1600 Amortize rate case costs		701 [3]	701				0.00	0.00
47	NC-1700 Adjust aviation expenses		(1,452) [3]	(1,452)				35.19	35.19
48	NC-1800 Adjust for approved regulatory assets and liabilities		1,603 [3]	1,603				0.00	0.00
49	NC-1900 Adjust for Merger Related Costs		(4,039) [3]	(4,039)				35.19	35.19
50	NC-2000 Amortize Severance Costs		(23,366) [3]	(23,366)				31.67	31.67
51	NC-2500 Adjust for credit card fees		5,197 [3]	5,197				40.52	40.52
52	NC-2700 Adjust vegetation management expenses		5,757 [3]	5,757				40.52	40.52
53	NC-2900 Storm Debrisal NC		- [3]	-				35.19	35.19
54	NC-3000 Adjust Other Revenue		(5) [3]	(5)				35.19	35.19
55	NC-3100 Adjust for change in NCUC Reg Fee		(234) [3]	(234)				103.01	103.01
56	NC-3200 Reflect retirement of Asheville Steam Generating Plant		(6,413) [3]	(6,413)				35.19	35.19
57	NC-3300 Adjust for CertainFeed payment Obligation		4,939 [3]	4,939				35.19	35.19
58	NC-3400 Amortize deferred balance Asheville Combined Cycle		6,109 [3]	6,109				0.00	0.00
59			-	-				0.00	0.00
60			-	-				32.27	32.27
61	Rounding								
62	Operation & Maintenance Expense - Adjustments (Sum Lines 36 through 57)	-	(177,306)	(177,306)					
63									
64	Total Adjusted Operation & Maintenance Expense (L35 + L62)	\$ 1,050,819	\$ (177,306)	\$ 873,513 [3]	\$ -	\$ 873,513	35.19		35.35 [6]
65									
66	Depreciation and Amortization	\$ 669,787 [2]		\$ 669,787			0.00		0.00
67	NC-0200 Update fuel costs to approved rate		(1,684) [3]	(1,684)				0.00	0.00
68	NC-0600 Adjust costs recovered through non-fuel riders		(58,446) [3]	(58,446)				0.00	0.00
69	NC-0800 Annualize Depreciation on year and plant balances		42,068 [3]	42,068				0.00	0.00
70	NC-1000 Adjust for post test year additions to plant in service		70,469 [3]	70,469				0.00	0.00
71	NC-1100 Amortize deferred environmental costs		105,972 [3]	105,972				0.00	0.00
72	NC-1800 Adjust for approved regulatory assets and liabilities		(3,479) [3]	(3,479)				0.00	0.00
73	NC-1900 Adjust for Merger Related Costs		(172) [3]	(172)				0.00	0.00
74	NC-2600 Adjust for Depreciation for new rates		89,601 [3]	89,601				0.00	0.00
75	NC-2800 Adjust reserve for end of life nuclear costs		(91) [3]	(91)				0.00	0.00
76	NC-2900 Storm Debrisal		43,717 [3]	43,717				0.00	0.00
77	NC-3200 Reflect retirement of Asheville Steam Generating Plant		(181) [3]	(181)				0.00	0.00
78	NC-3400 Amortize deferred balance Asheville Combined Cycle		13,594 [3]	13,594				0.00	0.00
79			-	-				0.00	0.00
80									
81	Rounding								
82	Depreciation and Amortization - Adjustments (Sum Lines 67 through 80)	-	301,368	301,368					
83	Total Adjusted Depreciation and Amortization (L66 + L81)	\$ 669,787	\$ 301,368	\$ 971,156 [3]	\$ -	\$ 971,156	0.00	0.00	0.00 [6]

/A

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for present revenue annualized and proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2302  
Application

		Financials			NC Retail		Lead Lag Days		
Line No.	Description	Per Books	Adjustments	Adjusted Before Change in CWC	Change in CWC	Adjusted with CWC	Per Books	Adjustments	Adjusted Before Increase
		(a)	(b)	(c) = (a) + (b)	(d)	(e) = (c) + (d)	(f)	(g)	(h) = (f) + (g)
84	General Taxes	\$ 102,197 [2]		\$ 102,197			123.16		123.16
85	NC-0600 Adjust costs recovered through non-fuel riders		(6,458) [3]	\$ (6,458)			124.03	[2]	124.03
86	NC-0900 Annualize property taxes on year end plant balances		4,064 [3]	4,064			186.50	[2]	186.50
87	NC-1000 Adjust for post test year additions to plant in service		6,600 [3]	6,600			186.50	[2]	186.50
88	NC-1300 Normalize O&M labor expenses		(1,089) [3]	(1,089)			11.31	[2]	11.31
89	NC-1700 Adjust aviation expenses		(18) [3]	(18)			11.31	[2]	11.31
90	NC-1800 Adjust for approved regulatory assets and liabilities		5 [3]	5			11.31	[2]	11.31
91	NC-1900 Adjust for Merger Related Costs		(53) [3]	(53)			11.31	[2]	11.31
92	NC-3200 Reflect retirement of Asheville Steam Generating Plant Rounding		(1,032) [3]	(1,032)			186.50	[2]	186.50
93	General Taxes - Adjustments (Sum Lines 86 through 94)		2,018	2,018					
94									
95									
96	Total Adjusted General Tax (L85 + L95)	\$ 102,197	\$ 2,018	\$ 104,215 [3]	\$ -	\$ 104,215	123.16	7.04	130.20 [6]
97									
98	Interest on Customer Deposits								
99	Interest on Customer Deposits - Adjustments	\$ 7,971 [2]		\$ 7,971			137.50	[1]	137.50
100									
101	Rounding			-					
102	Total Adjusted Interest on Customer Deposits (L99 + L100)	\$ 7,971	\$ -	\$ 7,971 [3]	\$ -	\$ 7,971	137.50	0.00	137.50 [6]
103									
104	Income Taxes								
105	PF- NC TAX-Adjust Income Taxes	\$ 112,986 [2]	(136,128) [3]	\$ (112,986)			(20.60)	[1]	(20.60)
106	NC-0600 Adjust costs recovered through non-fuel riders		63,161 [3]	(136,128)			(20.60)	[2]	0.00
107	NC-2100 Adjust NC income taxes for rate change		(2,183) [3]	(2,183)			(20.60)	[2]	(20.60)
108	NC-2200 Synchronize interest expense		123 [3]	123			(20.60)	[2]	(20.60)
109	Rounding			-					
110	Income Taxes - Adjustments (Sum Lines 105 through 109)		(75,027)	(75,027)					
111									
112	Total Adjusted Income Taxes (L104 + L110)	\$ 112,986	\$ (75,027)	\$ 37,960 [3]	\$ 122 [5]	\$ 38,082	(20.60)	34.27	13.68 [6]
113									
114	Amortization of Investment Tax Credit								
115	NC-0800 Annualize Depreciation on year end plant balances	\$ (2,134) [2]	(1,481) [3]	\$ (2,134)			0.00	[1]	0.00
116	Rounding								
117	Amort of Investment Tax Credit - Adjustments (Sum Lines 115 through 116)		(1,481)	(1,481)			0.00	[2]	0.00
118									
119	Total Adjusted Amortization of Investment Tax Credit (L114 + L117)	\$ (2,134)	\$ (1,481)	\$ (3,614) [3]	\$ -	\$ (3,614)	0.00	0.00	0.00 [6]
120									
121	Total Operating Expense (L26+L33+L64+L83+L97+L102+L112+L119)	\$ 2,982,032	\$ 1,190	\$ 2,983,222	\$ 122	\$ 2,983,344	26.43	(1.24)	25.20 [6]
122									
123	Income for Return (L14 - L121)	675,472	(319,319)	356,153	(122)	356,031	27.48	24.51	51.99 [6]
124	Interest Expense	211,661 [2]	(530)	211,131 [4]	(527) [4]	210,604	87.70	0.00	87.70 [2]
125	Return for Equity (L123 - L124)	463,810	(318,789)	145,022	405	145,427	0.00	0.00	0.00 [2]
126									
127	Total Requirement (L121 + L123 = L14)	\$ 3,657,503		\$ 3,339,374		\$ 3,339,374	26.63	1.43	28.06 [6]
128									
129	RATE BASE	\$ 9,859,050 [3]	\$ 953,537	\$ 10,812,587 [3]	\$ (27,013)	\$ 10,785,574			
130									
131	Overall Rate of Return (L123 / L129)	6.85%		3.29%		3.30%			



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust cash working capital for present revenue annualized and proposed revenue  
For the test period ended December 31, 2018  
Dollars in Thousands

NC-2302  
Application

		Financials			NC Retail		Lead Lag Days		
Line No.	Description	Per Books (a)	Adjustments (b)	Adjusted Before Change in CWC (c) = (a) + (b)	Change in CWC (d)	Adjusted with CWC (e) = (c) + (d)	Per Books (f)	Adjustments (g)	Adjusted Before Increase (h) = (f) + (g)
132									
133									
134	Calculation of Change in Cash Working Capital (CWC) due to Adjustments								
135	Revenue Lag Days	Per Books 42.13	Change in CWC	Adjusted 42.09					
136	Requirement Lead Days	26.63		26.06					
137									
138	Net Lag Days (L135 - L136)	15.51		14.03					
139									
140	Annual Requirement	\$ 3,657,503		\$ 3,339,374					
141	Daily Requirement (L140 / 365 Days)	\$ 10,021		\$ 9,149					
142	Net Lag Days (L138, Rounded Per Books)	15.51		14.03					
143	Est. CWC Req. Before Sales Tax Requirement (L141 x L142)	\$ 155,382		\$ 128,369					
144									
145	Add: Working Capital Related to NC Sales Tax	\$ 4,760 [1]		\$ 4,760 [1]					
146									
147	Total Cash Working Capital Requirements (L143 + L145)	\$ 160,141	\$ (27,013)	\$ 133,128					

## Notes:

- [1] NC 2303 Summary  
[2] Docket No. E-2, Sub 1219, E-1 Item 14, Lead Lag Study  
[3] Docket No. E-2, Sub 1219, Smith Exhibit 1  
[4] Rate Base x NC-2304-Inputs  
[5] Interest Expense - L124 x Tax Rate: 23.1693%  
[6] New weighted averages calculated.

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1219**  
**Cash Working Capital for NC Retail Operations - Lead Lag Summary**  
**For the test period ended December 31, 2018**  
**Dollars in Thousands**

Line No	Description	Actual Annual Expense [A]	Lead (Lag) Days [B]	Weighted Amount [C]
<b>Calculation of NC Retail Amount:</b>				
1	Total Revenue Lag	\$ (3,657,503)	42.13	\$ (154,105,865)
2				
3	Operation & Maintenance Expense	\$ 2,091,224	32.27	\$ 67,473,737
4	Depreciation and Amortization	669,787	0.00	-
5	Taxes Other Than Income Taxes	102,197	123.16	12,586,615
6	Interest on Customer Deposits	7,971	137.50	1,096,011
7	Net Income Taxes	112,986	-20.60	(2,327,337)
8	ITC	(2,134)	0.00	-
9	Income for Return	675,472	27.48	18,562,554
10	Total Requirements (Sum L3:L9)	<u>\$ 3,657,503</u>	26.63	<u>\$ 97,391,581</u>
11				
12	Revenue Lag Days (L1)		42.13	
13	Requirements Lead Days (-L10)		-26.63	
14	Net Lag Days (L12 + L13)		<u>15.51</u>	
15	Daily Requirements (Line 9, Col. A divided by 365)			\$ 10,020.56
16				
17	Estimated Cash Working Capital Requirements (L14 x L15)			\$ 155,382
18	Add: Cash Working Capital Related to NC Sales Tax			4,760
19	Total Cash Working Capital Requirements (L17 + L18)			<u>\$ 160,141</u>
20				
21	<b>Calculation of Total Company and Jurisdictional Amounts:</b>			
22	NC Retail Factor			67.0949% [1]
23				
24	Total Company Cash Working Capital Requirements (L19 / L22)			\$ 238,679
25				

[1] NC Retail Allocation Factor - Net Book Plant

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjustment to Cash Working Capital - Input Worksheet  
For the test period ended December 31, 2018

NC-2304  
Application

Line No	Description	Rate	Ratio	Weighted
1	Debt	4.15% [1]	47.00% [1]	1.9526% [2]
2	Equity	10.30% [1]	53.00% [1]	5.4590% [3]
3	Total ROR (L1 + L2)			7.4116%
4				
5	Statutory tax rate	23.1693% [4]		
6	Statutory regulatory fee percentage rate	0.1297% [5]		
7	Uncollectibles rate	0.24% [6]		

Notes:

[1] Smith Exhibit 1, Page 2

[2] Debt Rate x Debt Ratio

[3] ROE x Equity Ratio

[4] NC-0104 - 2019 Tax Rate, Line 10

[5] NC-0103 - NCUC Statutory Regulatory Fee Percentage Rate, Docket No. M-100, Sub 142

[6] NC-0105 - Development of Uncollectibles Rate

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust coal inventory  
For the test period ended December 31, 2018

NC-2400  
Narrative  
Application

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

This pro forma adjustment reflects the Company's requirement for a level of coal inventory equal to the coal needed for a 35 day full load burn priced at the projected average delivered coal cost as discussed by Witness Phipps in Docket No. E-2, Sub 1204.

Days of coal inventory on the storage piles refers to "full load burn days". Therefore, one "day" of supply is equal to how much coal would be burned at any given generating unit if it was to run at full load for 24 hours straight. The current full load burn for the entire coal-fired fleet in the Carolinas is 36,049 tons per day which means that if there are 35 days of supply on the system, then there are 1.3M tons on the storage piles.

The Company does not use "average" burn to report how many "days" of inventory is in storage because the average burn for any given period can vary greatly due to many factors and it can over-state the amount of inventory in storage. For example, the biggest risk would be to run out of coal during a hot summer when the entire coal-fired fleet is needed to run at full load. By reporting the inventory using "full load burn", we have stated how many days our units can run during a critical time when they are all expected to be running at full load.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust coal inventory  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2400  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.		-
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes		-
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	-
18			
19	Operating income	L4 - L17	\$ -
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies	NC-2401	9,641
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ 9,641
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust coal inventory  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2401  
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Application

Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
1				
2	Estimated full load burn - excluding retirements	36,049 [1]		
3	Target number of days inventory	35 [1]		
4	Target coal inventory balance at December 31, 2018 (L2 x L3)	1,261,715 Tons		
5	Projected average delivered coal costs per ton	\$ 84.81 [2]		
6	Projected coal inventory balance (L4 x L5/1,000)	\$ 107,006	61.1093% [3]	\$ 65,391
7	Adjust for Fixed Transportation Costs	15,056 [4]	61.1093% [3]	9,200
8	Total coal inventory balance	\$ 122,062		\$ 74,591
9				
10	Actual coal inventory balance	\$ 106,285 [5]	61.1093% [3]	\$ 64,950
11				
12	Impact to materials and supplies (coal inventory) (L8 - L10)	\$ 15,777		\$ 9,641

[1] E-1 Item 46E, Coal Consumption and Inventory Data

[2] NC-2402 - Docket No. E-2, Sub 1204, Direct Testimony of Brett Phipps

[3] NC Retail Allocation Factor - E1ALL

[4] Beginning in 2019, the average delivered costs/ton does not include fixed transportation costs. The delivered cost of fuel used is consistent with Docket No E-2, Sub 1204 with a projected period of 12/1/2019-11/30/2020.  
=Target inventory balance/ Tons consumed \* Fixed Transportation Cost

[5] E-1 Item 2, Working Trial Balance - Accounts 0151130 and 0151131



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust coal inventory  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2402  
Page 1 of 1  
Application

Direct Testimony of Brett Phipps  
Docket E-2, Sub 1204 Page 4 excerpt

- 14     **Q.     PLEASE DESCRIBE THE COMPANY’S DELIVERED COST OF COAL**  
15           **AND NATURAL GAS DURING THE TEST PERIOD.**
- 16     **A.     The Company’s average delivered cost of coal per ton for the test period was**  
17           **\$84.81 per ton, compared to \$80.82 per ton in the prior test period, representing**  
18           **an increase of approximately 5%. This includes an average transportation cost of**  
19           **\$32.72 per ton in the test period, compared to \$29.42 per ton in the prior test**  
20           **period, representing an increase of approximately 11%. The Company’s average**  
21           **price of gas purchased for the test period was \$4.05 per Million British Thermal**  
22           **Units (“MMBtu”), compared to \$4.68 per MMBtu in the prior test period,**  
23           **representing a decrease of approximately 13%. The cost of gas is inclusive of gas**  
24           **supply, transportation, storage and financial hedging.**

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for credit card fees  
For the test period ended December 31, 2018

NC-2500  
Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expenses for credit card fees costs by projecting 2019 transactions and applying a unit cost per transaction.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for credit card fees  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2500  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-2501	5,197
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-2501	(1,204)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	3,993
18			
19	Operating income	L4 - L17	<u>\$ (3,993)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ -</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

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NC-2501  
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Line No.	Description	Total NC Retail
1	<u>Impact to Income Statement Line Items</u>	
2	Projected NC costs	
3	Credit card fees	\$ 5,197 [1]
4		
5	Impact to O&M (L3 + L4)	\$ 5,197
6		
7	Statutory tax rate	23.1693% [2]
8	Impact to income taxes (-L5 x L7)	\$ (1,204)
9		
10	Impact to operating income (-L5 - L8)	\$ (3,993)
11		
12		
13	<u>Impact to Rate Base Line Items</u>	
14	<u>Accumulated depreciation and amortization:</u>	
15	Impact to accumulated depreciation	\$ -
16		
17	<u>Working capital investment:</u>	
18		\$ -
19		
20	Impact to working capital investment (L18)	\$ -
21		
22	Deferred tax rate	23.1693%
23	Impact to accumulated deferred income tax (-L20 x L22)	\$ -
24		
25	Impact to rate base (L15 + L20 + L23)	\$ -

[1] NC-2502 - NC Projected credit card fees for 2019 - NC Residential

[2] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10  
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For the test period ended December 31, 2018

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Duke Energy Progress - Projected credit card fees - NC Retail

Line No.		Transactions <u>NC Residential</u>		Cost per <u>transaction</u>		NC Residential <u>Projected costs</u>
1						
2	Annualized 2019	3,464,906	[1]	\$ 1.50	[2]	5,197,359
3	Total					<u>\$ 5,197,359</u>

[1] NC-2503 - 2019 Credit/debit card and ACH transactions - NC Residential Only

[2] Contracted 3rd party fee

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NC-2503  
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2019 Projected credit/debit card and ACH transactions - NC Residential Only

Line No.	Description	Total NC Retail
1	<u>Actual NC Residential Transactions:</u>	
2	Jan 2019	280,579
3	Feb 2019	277,047
4	Mar 2019	313,597
5	Apr 2019	282,333
6	May 2019	291,958
7	Jun 2019	286,939
8	Jul 2019	
9	Aug 2019	
10	Sep 2019	
11	Oct 2019	
12	Nov 2019	
13	Dec 2019	
14	Total NC Residential Transactions	<u>1,732,453</u> [1]
15		
16	Annualized 2019 Transactions based on YTD Jun 2019 Actuals (L14 x (12/6))	<u><u>3,464,906</u></u>

[1] Number of transactions provided by Revenue Services



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For the test period ended December 31, 2018

NC-2600  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts depreciation expense and the reserve for depreciation to reflect the updated depreciation rates resulting from a new depreciation study.

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(Dollars in thousands)

NC-2600  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.		-
11	Depreciation and amortization	NC-2601	89,601
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-2601	(20,760)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	68,841
18			
19	Operating income	L4 - L17	<u>\$ (68,841)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization	NC-2601	(88,728)
30	Electric plant in service, net	Sum L28 through L29	(88,728)
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		
35	Plant held for future use		-
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40	Customer deposits		-
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ (88,728)</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

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NC-2601  
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Application

Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
1	<u>Change in Depreciation and amortization (See NC-2602)</u>			
2	Production	\$ 126,087 [1]	61.5278% [2]	\$ 77,579
3	Transmission	8,514 [1]	59.6699% [3]	5,081
4	Distribution	(4,241) [1]	87.1486% [4]	(3,696)
5	Distribution COR Adjustment-Direct Assigned	- [1]	100.0000%	-
6	General	3,644 [1]	74.0412% [5]	2,698
7	General Plant Amortization	9,544 [1]	74.0412% [5]	7,067
8	Impact to depreciation and amortization (Sum L2 through L7)	<u>\$ 143,549</u>		<u>\$ 88,728</u>
9				
10	Adjust to deprec. and amort. for costs recovered in riders	\$ 1,419 [7][8]	61.5278% [2]	\$ 873
11				
12	Impact to depreciation and amortization (L8 + L10)	<u>\$ 144,968</u>		<u>\$ 89,601</u>
13				
14	Statutory tax rate	23.1693% [6]		23.1693% [6]
15				
16	Impact to income taxes (-L12 x L14)	<u>\$ (33,588)</u>		<u>\$ (20,760)</u>
17				
18	Impact to operating income (- L12 - L16)	<u><u>\$ (111,380)</u></u>		<u><u>\$ (68,841)</u></u>
19				
20	<u>Depreciation Reserve Adjustment</u>			
21	Production	\$ (126,087)	61.5278% [2]	\$ (77,579)
22	Transmission	(8,514)	59.6699% [3]	(5,081)
23	Distribution	4,241	87.1486% [4]	3,696
24	Distribution COR Adjustment-Direct Assigned	-	100.0000%	-
25	General	(3,644)	74.0412% [5]	(2,698)
26	General Plant Amortization	(9,544)	74.0412% [5]	(7,067)
27	Impact to Depreciation reserve (Sum L21 through L26)	<u>\$ (143,549)</u>		<u>\$ (88,728)</u>

[1] NC-2602 - Comparison of Current and Proposed Depreciation as of December 31, 2018

[2] NC Retail Allocation Factor - DPALL

[3] NC Retail Allocation Factor - DTALL

[4] NC Retail Allocation Factor - RB PLT O DI

[5] NC Retail Allocation Factor - RB PLT O GN

[6] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

[7] NC-2603 - Comparison of Current and Proposed Depreciation as of December 31, 2018 - Costs recovered through riders, Line 1

[8] NC-2603 - Only the SCR Catalyst depreciation expense is recovered through the fuel clause, not the accumulated depreciation.

DUKE ENERGY PROGRESS  
COMPARISON OF CURRENT AND PROPOSED DEPRECIATION PARAMETERS, RATES AND ACCRUALS  
AS OF DECEMBER 31, 2018

	ACCOUNT	ORIGINAL COST AS OF DECEMBER 31, 2018	PROBABLE RETIREMENT DATE	SURVIVOR CURE	CURRENT			PROBABLE RETIREMENT DATE	SURVIVOR CURE	PROPOSED			
					NET SAVAGE PERCENT	ANNUAL RATE	ACCRUAL AMOUNT			NET SAVAGE PERCENT	ANNUAL RATE	ACCRUAL AMOUNT	INCREASE/ DECREASE
STEAM PRODUCTION PLANT													
311.00	STRUCTURES AND IMPROVEMENTS												
	ASHEVILLE UNIT 1	42,616,358.21	12-2027	100-R2.5 *	(4)	0.95	404,855	12-2027	100-R2.5 *	(4)	1.35	573,609	168,754
	ASHEVILLE UNIT 2	42,579,071.25	12-2027	100-R2.5 *	(4)	3.13	1,332,725	12-2027	100-R2.5 *	(4)	3.46	1,473,445	140,720
	MAYO UNIT 1	170,239,859.39	06-2035	100-R2.5 *	(6)	1.95	3,319,677	06-2029	100-R2.5 *	(4)	2.87	4,879,145	1,559,468
	ROXBORO UNIT 1	17,139,904.05	06-2028	100-R2.5 *	(6)	2.52	431,926	06-2028	100-R2.5 *	(5)	2.39	408,945	(23,081)
	ROXBORO UNIT 2	5,512,432.01	06-2028	100-R2.5 *	(6)	3.42	188,525	06-2028	100-R2.5 *	(5)	3.57	186,528	8,103
	ROXBORO UNIT 3	37,367,402.39	06-2033	100-R2.5 *	(6)	0.87	325,096	06-2029	100-R2.5 *	(5)	1.00	372,911	47,815
	ROXBORO UNIT 4	19,639,071.49	06-2033	100-R2.5 *	(6)	3.60	703,077	06-2029	100-R2.5 *	(5)	5.37	1,046,303	344,996
	ROXBORO COMMON	193,990,592.95	06-2033	100-R2.5 *	(6)	5.03	9,757,127	06-2029	100-R2.5 *	(5)	7.59	14,718,151	4,960,424
	TOTAL STRUCTURES AND IMPROVEMENTS	528,994,691.74				3.11	16,463,938				4.47	23,671,037	7,207,099
312.00	BOILER PLANT EQUIPMENT												
	ASHEVILLE UNIT 1	149,665,719.36	12-2027	60-R1 *	(4)	4.19	6,270,575	12-2027	60-R1 *	(4)	4.76	7,121,696	651,121
	ASHEVILLE UNIT 2	145,625,344.87	12-2027	60-R1 *	(4)	2.94	4,281,385	12-2027	60-R1 *	(4)	3.22	4,682,918	401,533
	MAYO UNIT 1	832,479,002.87	06-2035	60-R1 *	(6)	4.02	33,465,656	06-2029	60-R1 *	(4)	6.06	50,461,597	16,995,941
	ROXBORO UNIT 1	212,902,505.83	06-2028	60-R1 *	(6)	6.56	13,966,404	06-2028	60-R1 *	(5)	6.95	14,793,592	827,188
	ROXBORO UNIT 2	309,506,429.33	06-2028	60-R1 *	(6)	5.04	15,599,124	06-2029	60-R1 *	(5)	5.50	17,017,538	1,418,714
	ROXBORO UNIT 3	333,830,832.31	06-2033	60-R1 *	(6)	4.74	15,823,581	06-2029	60-R1 *	(5)	6.87	22,902,594	7,066,713
	ROXBORO UNIT 4	404,141,708.49	06-2033	60-R1 *	(6)	1.33	5,375,085	06-2029	60-R1 *	(5)	3.81	14,572,511	9,197,426
	ROXBORO COMMON	320,174,907.77	06-2033	60-R1 *	(6)	1.91	6,115,341	06-2029	60-R1 *	(5)	5.13	16,435,756	10,320,417
	TOTAL BOILER PLANT EQUIPMENT	2,708,316,450.83				3.73	100,897,151				5.46	148,006,204	47,109,053
312.10	BOILER PLANT EQUIPMENT - SCOR CATALYST												
	ASHEVILLE UNIT 1	3,957,262.78	12-2027	10-S2 *	0	4.47	176,890	12-2027	10-S1 *	0	-	0	(176,890)
	ASHEVILLE UNIT 2	1,798,265.75	12-2027	10-S2 *	0	5.44	97,826	12-2027	10-S1 *	0	-	0	(97,826)
	MAYO UNIT 1	7,428,602.62	06-2035	10-S2 *	0	5.49	407,830	06-2029	10-S1 *	0	-	0	(407,830)
	ROXBORO UNIT 1	7,925,144.00	06-2028	10-S2 *	0	1.84	145,823	06-2028	10-S1 *	0	-	0	(145,823)
	ROXBORO UNIT 2	5,897,261.54	06-2028	10-S2 *	0	3.91	229,019	06-2028	10-S1 *	0	-	0	(229,019)
	ROXBORO UNIT 3	6,541,925.15	06-2033	10-S2 *	0	7.92	518,120	06-2029	10-S1 *	0	3.75	245,298	(272,822)
	ROXBORO UNIT 4	7,261,916.42	06-2033	10-S2 *	0	1.22	88,595	06-2029	10-S1 *	0	-	0	(88,595)
	TOTAL BOILER PLANT EQUIPMENT - SCOR CATALYST	40,770,378.26				4.08	1,664,103				0.60	245,298	(1418,805)
314.00	TURBOGENERATOR UNITS												
	ASHEVILLE UNIT 1	18,830,227.72	12-2027	60-S0 *	(4)	6.65	1,852,210	12-2027	60-S0 *	(4)	7.32	1,379,245	126,035
	ASHEVILLE UNIT 2	13,986,640.50	12-2027	60-S0 *	(4)	1.12	156,449	12-2027	60-S0 *	(4)	1.12	155,826	(623)
	MAYO UNIT 1	109,668,959.00	06-2035	60-S0 *	(6)	3.04	3,332,112	06-2029	60-S0 *	(4)	4.44	4,863,907	1,531,795
	ROXBORO UNIT 1	45,628,587.76	06-2028	60-S0 *	(6)	6.66	3,038,863	06-2028	60-S0 *	(5)	6.91	3,153,178	114,315
	ROXBORO UNIT 2	44,959,643.18	06-2028	60-S0 *	(6)	7.10	3,192,135	06-2028	60-S0 *	(5)	7.80	3,418,913	226,778
	ROXBORO UNIT 3	73,030,422.44	06-2033	60-S0 *	(6)	4.39	3,206,036	06-2029	60-S0 *	(5)	6.30	4,601,662	1,395,826
	ROXBORO UNIT 4	69,565,691.07	06-2033	60-S0 *	(6)	3.26	2,267,842	06-2029	60-S0 *	(5)	5.35	3,723,176	1,455,534
	ROXBORO COMMON	458,890.76	06-2033	60-S0 *	(6)	2.36	10,830	06-2029	60-S0 *	(5)	3.14	14,225	3,965
	TOTAL TURBOGENERATOR UNITS	376,051,042.43				4.38	16,456,475				5.67	21,309,532	4,853,057
315.00	ACCESSORY ELECTRIC EQUIPMENT												
	ASHEVILLE UNIT 1	17,304,563.70	12-2027	65-R1.5 *	(4)	4.75	821,967	12-2027	70-R1 *	(4)	5.18	886,904	74,837
	ASHEVILLE UNIT 2	10,774,312.04	12-2027	65-R1.5 *	(4)	0.00	0	12-2027	70-R1 *	(4)	-	0	0
	MAYO UNIT 1	66,829,604.18	06-2035	65-R1.5 *	(6)	3.55	2,372,445	06-2029	70-R1 *	(4)	5.40	3,607,025	1,234,574
	ROXBORO UNIT 1	27,911,638.64	06-2028	65-R1.5 *	(6)	7.40	2,065,461	06-2028	70-R1 *	(5)	7.71	2,151,100	85,639
	ROXBORO UNIT 2	24,222,049.38	06-2028	65-R1.5 *	(6)	3.55	859,918	06-2028	70-R1 *	(5)	3.65	883,310	23,792
	ROXBORO UNIT 3	42,579,385.55	06-2033	65-R1.5 *	(6)	4.61	1,923,910	06-2029	70-R1 *	(5)	6.84	2,913,552	950,642
	ROXBORO UNIT 4	43,547,824.86	06-2033	65-R1.5 *	(6)	3.05	1,288,209	06-2029	70-R1 *	(5)	5.71	2,486,371	1,158,162
	ROXBORO COMMON	23,722,266.18	06-2033	65-R1.5 *	(6)	5.01	1,738,466	06-2029	70-R1 *	(5)	7.27	1,723,533	535,147
	TOTAL ACCESSORY ELECTRIC EQUIPMENT	256,892,644.55				4.13	10,599,401				5.71	14,662,195	4,062,794
316.00	MISCELLANEOUS POWER PLANT EQUIPMENT												
	ASHEVILLE UNIT 1	10,334,480.63	12-2027	50-S0 *	(4)	6.45	666,574	12-2027	45-S0 *	(4)	6.73	695,241	28,667
	ASHEVILLE UNIT 2	5,120,201.92	12-2027	50-S0 *	(4)	1.74	89,092	12-2027	45-S0 *	(4)	1.79	91,397	2,305
	MAYO UNIT 1	13,338,741.21	06-2035	50-S0 *	(6)	3.89	518,877	06-2029	45-S0 *	(4)	6.30	840,010	322,033
	ROXBORO UNIT 1	4,072,524.77	06-2028	50-S0 *	(6)	6.19	252,089	06-2028	45-S0 *	(5)	6.81	281,244	29,155
	ROXBORO UNIT 2	4,425,440.03	06-2028	50-S0 *	(6)	3.85	170,379	06-2028	45-S0 *	(5)	4.84	214,296	43,920
	ROXBORO UNIT 3	4,581,632.45	06-2033	50-S0 *	(6)	4.18	191,512	06-2029	45-S0 *	(5)	5.80	270,265	78,773
	ROXBORO UNIT 4	5,430,383.41	06-2033	50-S0 *	(6)	3.83	207,984	06-2029	45-S0 *	(5)	5.88	308,691	100,707
	ROXBORO COMMON	20,631,298.87	06-2033	50-S0 *	(6)	5.46	1,126,469	06-2029	45-S0 *	(5)	7.63	1,574,562	448,093
	TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT	67,934,703.29				4.74	3,222,976				6.30	4,276,629	1,053,653
TOTAL STEAM PRODUCTION PLANT		3,978,949,911.10				3.76	149,304,045				5.33	212,170,995	62,866,850

Duke Energy Progress, LLC  
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Adjust for new depreciation rates  
For the test period ended December 31, 2018

DUKE ENERGY PROGRESS  
COMPARISON OF CURRENT AND PROPOSED DEPRECIATION PARAMETERS, RATES AND ACCRUALS  
AS OF DECEMBER 31, 2018

	ACCOUNT	ORIGINAL COST AS OF DECEMBER 31, 2018	PROBABLE RETIREMENT DATE	SURVIVOR CURVE	CURRENT			PROBABLE RETIREMENT DATE	SURVIVOR CURVE	PROPOSED			INCREASE/ DECREASE/ (DECREASE)	
					NET SAVAGE PERCENT	ANNUAL RATE	ANNUAL ACCRUAL AMOUNT			NET SAVAGE PERCENT	ANNUAL RATE	ANNUAL ACCRUAL AMOUNT		
NUCLEAR PRODUCTION PLANT														
321.00	STRUCTURES AND IMPROVEMENTS	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	BRUNSWICK UNIT 1	423,008,418.66	09-2036	80-S1 *	(2)	2.62	11,082,847	09-2036	75-S1 *	(1)	3.35	14,175,465	3,092,638	
	BRUNSWICK UNIT 2	397,998,469.79	12-2034	80-S1 *	(2)	2.64	10,506,368	12-2034	75-S1 *	(1)	2.89	11,520,013	1,013,645	
	HARRIS UNIT 1	1,996,286,873.69	10-2046	80-S1 *	(3)	1.64	32,738,777	10-2046	75-S1 *	(2)	1.62	32,248,496	(490,281)	
	HARRIS DISALLOWANCE	(105,862,561.00)				1.29	(1,365,503)				1.29	(1,365,567)	(4,065)	
ROBINSON UNIT 2	373,649,650.90	07-2030	80-S1 *	(1)	3.40	12,704,088	07-2030	75-S1 *	(1)	4.37	16,338,445	3,634,357		
TOTAL STRUCTURES AND IMPROVEMENTS		3,085,031,862.04				2.13	65,666,577				2.36	72,912,872	7,246,295	
322.00	REACTOR PLANT EQUIPMENT													
	BRUNSWICK UNIT 1	612,117,283.68	09-2036	55-R1.5 *	(2)	2.80	17,139,284	09-2036	52-R2 *	(1)	3.16	19,312,794	2,173,510	
	BRUNSWICK UNIT 2	544,476,825.16	12-2034	55-R1.5 *	(2)	2.87	15,626,485	12-2034	52-R2 *	(1)	3.14	17,115,022	1,488,537	
	HARRIS UNIT 1	1,075,569,612.15	10-2046	55-R1.5 *	(3)	2.73	29,362,777	10-2046	52-R2 *	(2)	2.68	28,860,918	(511,859)	
	HARRIS DISALLOWANCE	(132,409,445.00)				1.29	(1,707,926)				1.29	(1,713,010)	(5,084)	
ROBINSON UNIT 2	482,756,240.49	07-2030	55-R1.5 *	(1)	3.40	15,733,712	07-2030	52-R2 *	(1)	4.21	19,464,027	3,730,315		
TOTAL REACTOR PLANT EQUIPMENT		2,562,500,516.48				2.97	76,154,332				3.24	83,029,751	6,875,418	
323.00	TURBOGENERATOR UNITS													
	BRUNSWICK UNIT 1	285,997,062.33	09-2036	50-S0 *	(2)	3.06	8,751,510	09-2036	40-S0 *	(1)	4.13	11,823,008	3,071,498	
	BRUNSWICK UNIT 2	172,548,284.27	12-2034	50-S0 *	(2)	3.32	5,728,603	12-2034	40-S0 *	(1)	3.73	6,442,418	713,815	
	HARRIS UNIT 1	535,689,360.46	10-2046	50-S0 *	(3)	2.48	13,263,047	10-2046	40-S0 *	(2)	3.24	17,371,806	4,086,761	
	HARRIS DISALLOWANCE	(610,486.00)				1.29	(7,674)				1.29	(7,788)	(4,086,761)	
ROBINSON UNIT 2	333,270,803.63	07-2030	50-S0 *	(1)	5.04	16,797,151	07-2030	40-S0 *	(1)	8.07	28,889,155	10,102,004		
TOTAL TURBOGENERATOR UNITS		1,326,889,044.92				3.36	44,554,436				4.71	62,528,491	17,974,065	
324.00	ACCESSORY ELECTRIC EQUIPMENT													
	BRUNSWICK UNIT 1	161,647,774.74	09-2036	55-R2.5 *	(2)	3.77	6,094,121	09-2036	50-R2.5 *	(1)	4.22	6,821,086	726,965	
	BRUNSWICK UNIT 2	210,342,927.28	12-2034	55-R2.5 *	(2)	3.20	6,730,974	12-2034	50-R2.5 *	(1)	4.01	8,431,180	1,700,215	
	HARRIS UNIT 1	820,436,969.84	10-2046	55-R2.5 *	(3)	1.86	15,260,128	10-2046	50-R2.5 *	(2)	1.99	16,303,828	1,043,800	
	HARRIS DISALLOWANCE	(256,837,664.96)				1.29	(3,312,904)				1.29	(3,322,766)	(9,862)	
ROBINSON UNIT 2	279,070,966.07	07-2030	55-R2.5 *	(1)	3.84	10,716,325	07-2030	50-R2.5 *	(1)	6.43	17,942,656	7,226,331		
TOTAL ACCESSORY ELECTRIC EQUIPMENT		1,214,660,913.27				2.92	35,488,644				3.80	46,176,093	10,687,450	
325.00	MISCELLANEOUS PLANT EQUIPMENT													
	BRUNSWICK UNIT 1	201,192,590.16	09-2036	50-R1 *	(2)	3.56	7,162,456	09-2036	50-R1.5 *	(1)	3.91	7,865,762	703,306	
	BRUNSWICK UNIT 2	68,906,220.33	12-2034	50-R1 *	(2)	3.52	2,425,489	12-2034	50-R1.5 *	(1)	3.68	2,524,043	108,544	
	HARRIS UNIT 1	247,301,101.88	10-2046	50-R1 *	(3)	2.36	5,836,306	10-2046	50-R1.5 *	(2)	2.38	5,889,127	52,821	
	HARRIS DISALLOWANCE	(55,577,154.00)				1.29	(716,880)				1.29	(719,014)	(2,134)	
ROBINSON UNIT 2	190,043,010.80	07-2030	50-R1 *	(1)	5.61	10,661,413	07-2030	50-R1.5 *	(1)	6.34	12,040,133	1,378,720		
TOTAL MISCELLANEOUS PLANT EQUIPMENT		651,865,788.97				3.89	25,568,794				4.24	27,610,051	2,241,257	
TOTAL NUCLEAR PRODUCTION PLANT		8,840,958,165.88				2.80	247,232,783				3.31	292,287,258	45,024,474	
HYDRAULIC PRODUCTION PLANT														
331.00	STRUCTURES AND IMPROVEMENTS													
	BLEWETT	6,620,300.84	06-2055	110-R2 *	(41)	2.59	171,466	06-2055	110-R2 *	(33)	2.83	187,401	15,935	
	MARSHALL	1,523,286.57	06-2035	110-R2 *	(46)	6.77	103,127	06-2035	110-R2 *	(16)	7.03	107,146	4,019	
	TILLEY	6,620,057.32	06-2055	110-R2 *	(33)	2.37	152,227	06-2055	110-R2 *	(29)	3.05	202,328	45,101	
WALTERS	3,472,324.03	06-2034	110-R2 *	(6)	3.15	109,378	06-2034	110-R2 *	(6)	3.24	112,577	3,199		
TOTAL STRUCTURES AND IMPROVEMENTS		18,249,968.76				2.97	541,198				3.34	609,452	68,254	
332.00	RESERVOIRS, DAMS AND WATERWAY													
	BLEWETT	8,275,323.29	06-2055	120-R3 *	(41)	2.22	183,712	06-2055	120-R3 *	(33)	1.94	160,135	(23,577)	
	MARSHALL	4,071,208.19	06-2035	120-R3 *	(16)	3.30	134,350	06-2035	120-R3 *	(16)	3.52	143,440	9,090	
	TILLEY	6,786,645.31	06-2065	120-R3 *	(33)	1.62	123,689	06-2065	120-R3 *	(29)	1.62	110,074	(13,625)	
WALTERS	34,543,362.20	06-2034	120-R3 *	(6)	2.87	991,394	06-2034	120-R3 *	(6)	3.46	1,195,944	204,550		
TOTAL RESERVOIRS, DAMS AND WATERWAY		53,686,538.99				2.67	1,433,155				3.00	1,609,593	176,438	
333.00	WATER WHEELS, TURBINES AND GENERATORS													
	BLEWETT	13,436,525.48	06-2055	70-R1.5 *	(41)	4.84	650,328	06-2055	75-R1.5 *	(33)	4.00	536,807	(113,521)	
	MARSHALL	6,041,207.23	06-2035	70-R1.5 *	(16)	2.88	180,028	06-2035	75-R1.5 *	(16)	3.14	189,070	9,442	
	TILLEY	14,142,264.87	06-2055	70-R1.5 *	(33)	3.86	545,891	06-2055	75-R1.5 *	(29)	3.75	530,595	(15,296)	
WALTERS	4,456,120.96	06-2034	70-R1.5 *	(6)	3.14	139,922	06-2034	75-R1.5 *	(6)	3.49	155,664	15,742		
TOTAL WATER WHEELS, TURBINES AND GENERATORS		38,076,118.54				3.98	1,516,169				3.71	1,412,536	(103,633)	

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COMPARISON OF CURRENT AND PROPOSED DEPRECIATION PARAMETERS, RATES AND ACCRUALS  
AS OF DECEMBER 31, 2018

	ACCOUNT	ORIGINAL COST AS OF DECEMBER 31, 2018	PROBABLE RETIREMENT DATE	CURRENT			PROPOSED						
				SURVIVOR CURVE	SALVAGE PERCENT	ANNUAL ACCRUAL RATE	SURVIVOR CURVE	SALVAGE PERCENT	ANNUAL ACCRUAL RATE				
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	INCREASE/ DECREASE/ (13)
334.00	ACCESSORY ELECTRIC EQUIPMENT												
	BLEWETT	7,543,722.48	06-2055	60-S1 *	(41)	3.81	287,416	55-R1 *	(33)	4.49	338,949	51,533	
	MARSHALL	1,179,515.99	06-2035	60-S1 *	(16)	3.44	40,575	55-R1 *	(16)	3.41	40,208	(367)	
	TILLEY	3,883,242.31	06-2035	60-S1 *	(33)	3.40	131,010	55-R1 *	(29)	3.57	137,612	6,602	
	WALTERS	13,242,973.33	06-2034	60-S1 *	(6)	5.62	744,285	55-R1 *	(6)	6.47	856,757	112,502	
	TOTAL ACCESSORY ELECTRIC EQUIPMENT	25,819,454.11				4.66	1,203,257			5.32	1,373,526	170,269	
335.00	MISCELLANEOUS PLANT EQUIPMENT												
	BLEWETT	1,826,329.58	06-2055	55-S0.5 *	(41)	3.77	68,853	55-S0 *	(33)	3.66	66,903	(1,950)	
	MARSHALL	200,699.66	06-2035	55-S0.5 *	(16)	5.23	10,496	55-S0 *	(16)	5.44	10,921	425	
	TILLEY	1,227,560.24	06-2055	55-S0.5 *	(33)	2.70	33,144	55-S0 *	(29)	2.88	32,943	(201)	
	WALTERS	1,756,977.00	06-2034	55-S0.5 *	(6)	4.83	84,853	55-S0 *	(6)	5.51	96,765	11,912	
	TOTAL MISCELLANEOUS PLANT EQUIPMENT	5,011,373.48				3.94	197,346			4.14	207,532	10,186	
336.00	ROADS, RAILROADS, AND BRIDGES												
	MARSHALL	12,946.58	06-2035	75-R3 *	(16)	2.84	368	75-R3 *	(16)	2.81	364	(4)	
	WALTERS	8,259.48	06-2034	75-R3 *	(6)	0.32	43	75-R3 *	(6)	0.29	24	(19)	
	TOTAL ROADS, RAILROADS, AND BRIDGES	21,205.06				1.94	411			1.83	388	(23)	
	TOTAL HYDRAULIC PRODUCTION PLANT	140,864,658.94				3.47	4,891,536			3.70	5,213,027	321,491	
OTHER PRODUCTION PLANT													
341.00	STRUCTURES AND IMPROVEMENTS												
	ASHEVILLE IC TURBINE	31,762,836.46	06-2039	50-S2 *	(3)	2.95	937,004	50-S1 *	(3)	3.07	975,677	38,673	
	BLEWETT IC TURBINES	979,582.66	06-2024	50-S2 *	(7)	1.36	13,322	50-S1 *	(7)	1.14	11,136	(2,186)	
	DARLINGTON IC TURBINE UNITS 1-11	362,282.66	06-2020	50-S2 *	(6)	0.00	0	50-S1 *	(7)	-	0	0	
	DARLINGTON IC TURBINE UNITS 12 AND 13	8,403,245.66	06-2037	50-S2 *	(4)	0.15	12,605	50-S1 *	(7)	0.83	69,646	57,041	
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	9,013,914.23	06-2040	50-S2 *	(4)	2.66	239,770	50-S1 *	(4)	2.82	254,463	14,693	
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	1,358,819.84	06-2049	50-S2 *	(4)	2.74	37,177	50-S1 *	(2)	2.87	40,247	3,170	
	SMITH IC TURBINES (RICHMOND COUNTY)	19,344,678.47	06-2041	50-S2 *	(2)	2.89	559,061	50-S1 *	(4)	2.99	579,000	19,939	
	SUTTON BLACKSTAR	11,571,792.86	06-2017	50-S2 *	(20)	0.00	0	50-S1 *	(9)	2.80	231,353	231,353	
	WEATHERSPROON IC TURBINES	3,568,977.41	06-2024	50-S2 *	(20)	1.51	53,892	50-S1 *	(21)	2.59	92,386	38,464	
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	47,684,242.52	06-2042	50-S2 *	(3)	0.90	428,248	50-S1 *	(4)	0.92	440,153	10,905	
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	47,684,242.52	06-2051	50-S2 *	(7)	2.89	1,193,981	50-S1 *	(3)	3.07	1,232,177	73,196	
	SUTTON COMBINED CYCLE	13,462,878.60	06-2053	50-S2 *	(2)	3.54	476,986	50-S1 *	(3)	3.81	512,673	36,087	
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	25,476,302.18	06-2052	50-S2 *	(5)	2.38	600,336	50-S1 *	(6)	2.79	711,705	105,389	
	TOTAL STRUCTURES AND IMPROVEMENTS	213,103,893.90				2.12	4,523,982			2.42	5,150,686	626,704	
341.20	STRUCTURES AND IMPROVEMENTS - SOLAR												
	CAMP LEVINE	26,130.74	06-2040	25-S2.5 *	(8)	5.03	1,314	30-S2.5 *	(9)	5.00	1,307	(7)	
	FAVETTEVILLE	3,957.51	06-2040	25-S2.5 *	(10)	5.12	203	30-S2.5 *	(11)	5.15	204	1	
	ELM CITY	3,925.80	06-2041	25-S2.5 *	(15)	5.17	203	30-S2.5 *	(15)	5.17	203	0	
	TOTAL STRUCTURES AND IMPROVEMENTS - SOLAR	34,014.05				5.06	1,719.96			5.04	1,714	(6)	
342.00	FUEL HOLDERS, PRODUCERS AND ACCESSORIES												
	ASHEVILLE IC TURBINE	5,115,723.34	06-2039	50-R2.5 *	(3)	2.25	115,104	45-R2 *	(3)	2.80	148,602	33,488	
	BLEWETT IC TURBINES	413,479.62	06-2024	50-R2.5 *	(7)	1.86	7,691	45-R2 *	(7)	1.95	7,729	(462)	
	DARLINGTON IC TURBINE UNITS 1-11	5,048,367.44	06-2020	50-R2.5 *	(6)	0.00	0	45-R2 *	(7)	-	0	0	
	DARLINGTON IC TURBINE UNITS 12 AND 13	7,248,963.20	06-2037	50-R2.5 *	(6)	1.32	95,620	45-R2 *	(7)	1.50	108,699	13,079	
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	7,363,988.43	06-2040	50-R2.5 *	(4)	2.77	203,982	45-R2 *	(4)	2.88	219,079	15,488	
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	1,461,178.80	06-2049	50-R2.5 *	(4)	2.99	43,689	45-R2 *	(4)	2.98	43,476	(213)	
	SMITH IC TURBINES (RICHMOND COUNTY)	8,417,370.90	06-2041	50-R2.5 *	(2)	3.01	255,061	45-R2 *	(2)	3.15	267,152	12,091	
	SUTTON BLACKSTAR	5,999,884.76	06-2041	50-R2.5 *	(2)	2.93	75,533	45-R2 *	(2)	3.14	78,103	12,570	
	WEATHERSPROON IC TURBINES	1,651,065.21	06-2024	50-R2.5 *	(20)	5.30	67,508	45-R2 *	(21)	8.49	140,115	52,607	
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	13,523,522.65	06-2042	50-R2.5 *	(3)	2.74	370,545	45-R2 *	(4)	3.00	405,712	35,227	
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	13,523,522.65	06-2051	50-R2.5 *	(7)	2.92	669,197	45-R2 *	(8)	3.11	702,612	43,415	
	SUTTON COMBINED CYCLE	22,575,250.21	06-2053	50-R2.5 *	(2)	2.93	572,837	45-R2 *	(3)	3.25	625,930	53,093	
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	25,423,310.37	06-2052	50-R2.5 *	(5)	3.07	780,496	45-R2 *	(6)	3.33	845,788	65,292	
	TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES	123,941,091.74				2.72	3,370,363			3.16	3,912,808	542,445	



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for new depreciation rates  
For the test period ended December 31, 2018

DUKE ENERGY PROGRESS  
COMPARISON OF CURRENT AND PROPOSED DEPRECIATION PARAMETERS, RATES AND ACCRUALS  
AS OF DECEMBER 31, 2018

	ACCOUNT	ORIGINAL COST AS OF DECEMBER 31, 2018	PROBABLE RETIREMENT DATE	SURVIVOR CURE	CURRENT		PROBABLE RETIREMENT DATE	SURVIVOR CURE	PROPOSED		INCREASE/ DECREASE/ (DECREASE)
					SAVAGE PERCENT	ANNUAL RATE			SAVAGE PERCENT	ANNUAL RATE	
	(1)	(2)	(3)	(4)	(5)	(6)	(6)	(8)	(10)	(11)	(13)
34300	PRIME MOVERS										
	ASHEVILLE IC TURBINE	51,871,873.24	06-2039	35-S0 *	(3)	3.18	06-2039	30-R0.5 *	(3)	5.08	2,634,653
	BLEWETT IC TURBINES	8,455,727.27	06-2024	35-S0 *	(3)	3.76	06-2024	30-R0.5 *	(7)	3.98	985,037
	DARLINGTON IC TURBINE UNITS 1+11	22,476,731.53	06-2020	35-S0 *	(6)	19.72	06-2020	30-R0.5 *	(7)	18.729	336,664
	DARLINGTON IC TURBINE UNITS 12 AND 13	39,502,461.61	06-2037	35-S0 *	(6)	5.32	06-2037	30-R0.5 *	(7)	43.45	9,767,204
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	121,712,253.32	06-2040	35-S0 *	(4)	3.82	06-2040	30-R0.5 *	(4)	7.34	2,901,267
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	61,526,436.54	06-2049	35-S0 *	(4)	3.46	06-2049	30-R0.5 *	(4)	3.89	88,456
	SOUTH IC TURBINES (RICHMOND COUNTY)	230,433,633.01	06-2041	35-S0 *	(2)	5.46	06-2041	30-R0.5 *	(2)	3.78	4,793,609
	SUTTON BLACKSTAR	65,019,558.96	06-2024	35-S0 *	(20)	3.56	06-2027	30-R0.5 *	(9)	6.46	14,883,340
	WEATHERSPON IC TURBINES	14,273,116.59	06-2042	35-S0 *	(3)	0.19	06-2042	30-R0.5 *	(21)	4.08	2,651,182
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	22,476,731.53	06-2037	35-S0 *	(1)	5.72	06-2042	30-R0.5 *	(4)	7.88	86,525
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	361,361,292.77	06-2033	35-S0 *	(2)	3.56	06-2033	30-R0.5 *	(3)	3.24	8,045,070
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	443,686,010.74	06-2052	35-S0 *	(5)	3.96	06-2052	30-R0.5 *	(6)	4.18	15,105,488
	TOTAL PRIME MOVERS	1,769,134,020.76				4.31				5.19	91,873,589
											15,633,605
34310	PRIME MOVERS - ROTABLE PARTS										
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	39,316,264.60	06-2042	5-L0.5 *	40	13.49	06-2042	6-L0.5 *	40	12.31	4,840,705
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	44,993,832.65	06-2051	5-L0.5 *	40	15.17	06-2051	6-L0.5 *	40	13.28	5,974,709
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	29,448,115.01	06-2053	5-L0.5 *	40	14.68	06-2053	6-L0.5 *	40	12.14	3,577,906
		96,542,095.99	06-2052	5-L0.5 *	40	14.89	06-2052	6-L0.5 *	40	12.48	7,057,740
	TOTAL PRIME MOVERS - ROTABLE PARTS	170,331,307.85				14.53				12.59	21,451,930
											(3,306,159)
34400	GENERATORS										
	ASHEVILLE IC TURBINE	7,766,953.49	06-2039	55-R2 *	(3)	2.83	06-2039	50-R2 *	(3)	3.01	223,653
	BLEWETT IC TURBINES	1,988,284.95	06-2024	55-R2 *	(7)	0.00	06-2024	50-R2 *	(7)	0	0
	DARLINGTON IC TURBINE UNITS 1+11	12,477,614.73	06-2020	55-R2 *	(6)	11.27	06-2020	50-R2 *	(7)	24.83	3,097,560
	DARLINGTON IC TURBINE UNITS 12 AND 13	17,131,838.45	06-2037	55-R2 *	(4)	3.92	06-2037	50-R2 *	(7)	4.29	725,468
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	22,068,501.33	06-2040	55-R2 *	(4)	2.90	06-2040	50-R2 *	(4)	2.87	632,402
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	13,021,303.33	06-2049	55-R2 *	(4)	2.85	06-2049	50-R2 *	(2)	3.00	390,233
	SMITH IC TURBINES (RICHMOND COUNTY)	37,046,160.65	06-2041	55-R2 *	(2)	5.43	06-2041	50-R2 *	(4)	10.08	3,795,595
	SUTTON BLACKSTAR	2,145,710.72	06-2024	55-R2 *	(20)	2.88	06-2057	50-R2 *	(9)	2.77	59,357
	WEATHERSPON IC TURBINES	2,095,713.88	06-2042	55-R2 *	(3)	0.00	06-2042	50-R2 *	(21)	-	0
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	40,456,474.73	06-2037	55-R2 *	(1)	432.895	06-2042	50-R2 *	(4)	0	0
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	44,450,403.34	06-2053	55-R2 *	(2)	2.88	06-2053	50-R2 *	(3)	3.00	946,600
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	55,122,184.33	06-2052	55-R2 *	(5)	3.07	06-2052	50-R2 *	(6)	3.17	1,335,988
	TOTAL GENERATORS	287,278,501.19				3.38				4.50	12,915,881
											3,215,050
34420	GENERATORS - SOLAR										
	CAMP LEVINE	15,956,191.94	06-2040	25-S2.5 *	(8)	5.03	06-2040	25-S2.5 *	(9)	5.15	822,344
	FAVETTEVILLE	32,469,234.56	06-2040	25-S2.5 *	(15)	5.12	06-2041	25-S2.5 *	(11)	5.26	1,708,709
	ELM CITY	51,865,631.86	06-2041	25-S2.5 *	(10)	5.17	06-2041	25-S2.5 *	(15)	5.27	2,731,770
	WASSAW	87,181,902.80	06-2040	25-S2.5 *	(11)	5.18	06-2040	25-S2.5 *	(12)	5.31	4,659,286
	TOTAL GENERATORS - SOLAR	187,470,960.88				5.15				5.28	9,891,959
											229,565
34600	ACCESSORY ELECTRIC EQUIPMENT										
	ASHEVILLE IC TURBINE	13,502,429.56	06-2039	50-R1.5 *	(3)	3.67	06-2039	50-R1.5 *	(3)	4.07	549,433
	BLEWETT IC TURBINES	1,418,891.29	06-2024	50-R1.5 *	(7)	1.18	06-2024	50-R1.5 *	(7)	0.83	12,494
	DARLINGTON IC TURBINE UNITS 1+11	4,869,111.48	06-2020	50-R1.5 *	(6)	7.99	06-2020	50-R1.5 *	(7)	8.43	410,605
	DARLINGTON IC TURBINE UNITS 12 AND 13	10,782,897.33	06-2037	50-R1.5 *	(7)	3.73	06-2037	50-R1.5 *	(7)	4.02	31,558
	H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13)	19,926,915.26	06-2040	50-R1.5 *	(4)	3.01	06-2040	50-R1.5 *	(4)	2.89	576,702
	H.F. LEE IC TURBINES (WAYNE COUNTY UNIT 14)	10,590,164.94	06-2049	50-R1.5 *	(4)	2.94	06-2049	50-R1.5 *	(6)	3.03	321,595
	SMITH IC TURBINES (RICHMOND COUNTY)	29,257,399.18	06-2041	50-R1.5 *	(2)	3.02	06-2041	50-R1.5 *	(2)	3.06	894,976
	SUTTON BLACKSTAR	13,595,340.46	06-2024	50-R1.5 *	(20)	3.15	06-2057	50-R1.5 *	(9)	2.79	379,136
	WEATHERSPON IC TURBINES	2,003,206.27	06-2042	50-R1.5 *	(3)	8.62	06-2042	50-R1.5 *	(21)	10.88	70,624
	SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY)	21,683,205.44	06-2037	50-R1.5 *	(1)	3.08	06-2042	50-R1.5 *	(4)	3.34	329,700
	SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY)	42,943,670.78	06-2053	50-R1.5 *	(2)	3.15	06-2053	50-R1.5 *	(3)	3.00	1,639,581
	H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	76,561,389.89	06-2052	50-R1.5 *	(5)	3.25	06-2052	50-R1.5 *	(6)	3.21	2,032,929
	TOTAL ACCESSORY ELECTRIC EQUIPMENT	319,456,436.71				3.29				3.38	2,531,320
											279,871
34620	ACCESSORY ELECTRIC EQUIPMENT - SOLAR										
	CAMP LEVINE	2,761,117.30	06-2040	25-S2.5 *	(8)	5.01	06-2040	25-S2.5 *	(9)	5.13	141,616
	FAVETTEVILLE	533,260.74	06-2040	25-S2.5 *	(10)	5.13	06-2041	25-S2.5 *	(11)	5.26	28,333
	ELM CITY	133,458.18	06-2041	25-S2.5 *	(15)	5.17	06-2041	25-S2.5 *	(15)	5.24	6,990
	WASSAW	1,299,878.46	06-2040	25-S2.5 *	(11)	5.17	06-2041	25-S2.5 *	(12)	5.30	66,731
	TOTAL ACCESSORY ELECTRIC EQUIPMENT - SOLAR	4,686,714.68				5.07				5.19	263,370
											5,688

Duke Energy Progress, LLC  
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For the test period ended December 31, 2018

DUKE ENERGY PROGRESS  
COMPARISON OF CURRENT AND PROPOSED DEPRECIATION PARAMETERS, RATES AND ACCRUALS  
AS OF DECEMBER 31, 2018

	ACCOUNT	ORIGINAL COST AS OF DECEMBER 31, 2018	PROBABLE RETIREMENT DATE	SURVIVOR COURSE	NET SALVAGE PERCENT	ANNUAL ACCRUAL		PROBABLE RETIREMENT DATE	SURVIVOR COURSE	NET SALVAGE PERCENT	ANNUAL ACCRUAL		INCREASE/ DECREASE		
						RATE	AMOUNT				RATE	AMOUNT			
34600	MISCELLANEOUS PLANT EQUIPMENT (1) ASHEVILLE IC TURBINE BLEWETTIC IC TURBINES DARLINGTON IC TURBINE UNITS 1+11 H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 12 AND 13) H.F. LEE IC TURBINES (WAYNE COUNTY UNITS 10-13) SMITH IC TURBINES (WAYNE COUNTY UNIT 14) SMITH IC TURBINES (RICHMOND COUNTY) WEATHERSPRONG IC TURBINES SMITH COMBINED CYCLE POWER BLOCK 4 (RICHMOND COUNTY) SMITH COMBINED CYCLE POWER BLOCK 5 (RICHMOND COUNTY) H.F. LEE COMBINED CYCLE (WAYNE COUNTY) H.F. LEE COMBINED CYCLE (WAYNE COUNTY)	3,414,473.38 3,414,473.38 20,349.83 1,432,545.23 1,316,904.66 1,122,769.22 7,653,551.58 1,861,416.34 721,477.59 4,901,411.09 8,417,845.29 8,306,332.23 11,795,130.01	06-2039 06-2024 06-2020 06-2037 06-2040 06-2049 06-2041 06-2024 06-2042 06-2041 06-2051 06-2052 06-2052	40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5 40-S1.5	*	(3)	3.46 10.82 0.40 2.84 2.61 5.41 3.19 13.60 2.36 3.16 3.28 3.28	118,141 22,172 361 40,684 28,709 29,383 414,037 98,121 115,673 266,067 366,880	06-2039 06-2024 06-2020 06-2037 06-2040 06-2049 06-2041 06-2024 06-2042 06-2041 06-2051 06-2052 06-2052	30-S1 30-S1 30-S1 30-S1 30-S1 30-S1 30-S1 30-S1 30-S1 30-S1 30-S1 30-S1	*	(7) (6) (6) (4) (4) (2) (2) (20) (7) (7) (6) (6)	4.85 12.97 196.63 3.09 2.37 8.16 3.95 17.08 0.54 4.01 4.01 4.15	165,627 26,575 177,293 44,312 31,177 38,046 624,277 73,523 123,221 26,262 337,667 335,284 489,152	47,486 4,403 177,293 3,628 2,488 8,653 210,220 25,100 (89,411) 71,800 102,872
	TOTAL MISCELLANEOUS PLANT EQUIPMENT	51,301,514.01				3.60		1,846,430			4.86	2,493,577	647,147		
34620	MISCELLANEOUS PLANT EQUIPMENT - SOLAR ELM CITY WASSAW	10,069.36 19,111.49	06-2041 06-2040	25-S2.5 25-S2.5	*	(15)	5.17 5.18	521 990	06-2041 06-2040	30-S2.5 30-S2.5	*	(15) (12)	5.24 5.32	528 1,017	7 27
	TOTAL MISCELLANEOUS PLANT EQUIPMENT - SOLAR	29,180.85				5.18		1,511			5.29	1,545	34		
	TOTAL OTHER PRODUCTION PLANT	3,128,758,436.62				4.50		140,858,548			5.08	158,732,004	17,873,856		
	TOTAL PRODUCTION PLANT	16,087,546,172.24				3.37		542,286,912			4.15	668,373,584	126,086,671		
	TRANSMISSION PLANT														
352.00	STRUCTURES AND IMPROVEMENTS	90,190,203.79	60-R3	(10)	1.78			1,605,439			1.80	1,622,028	16,589		
353.00	STATION EQUIPMENT	1,070,174,832.08	60-R1	(15)	1.90			20,333,322			2.21	23,628,452	3,295,130		
354.00	TOWERS AND FXTURES	78,936,364.53	70-R4	(20)	1.35			1,656,641			1.19	996,307	(129,334)		
355.00	POLES AND FXTURES	743,280,241.54	48-R1.5	(30)	2.22			16,500,821			2.56	19,031,917	2,531,096		
356.00	OVERHEAD CONDUCTORS AND DEVICES	551,038,389.11	70-R2	(30)	1.56			8,396,214			2.07	11,383,033	2,786,819		
357.00	UNDERGROUND CONDUIT	32,286.46	70-R3	(30)	2.30			743			1.73	559	(184)		
358.00	UNDERGROUND CONDUCTOR AND DEVICES	21,603,999.02	45-S2.5	0	2.30			489,892			2.33	504,195	7,303		
359.00	ROADS AND TRAILS	37,532.87	75-R3	0	1.37			4,252			1.36	4,253	(29)		
	TOTAL TRANSMISSION PLANT	2,556,572,839.38			1.90			48,803,354			2.23	57,110,744	8,507,390		
	DISTRIBUTION PLANT														
361.00	STRUCTURES AND IMPROVEMENTS	127,079,158.04	60-R2	(15)	1.52			1,931,603			1.59	2,021,366	89,763		
362.00	STATION EQUIPMENT	683,055,387.27	46-R1	(15)	2.33			15,915,191			2.24	15,332,138	(563,053)		
364.00	POLES, TOWERS AND FXTURES	865,785,431.01	45-R2.5	(100)	3.56			33,603,525			3.92	33,556,194	(247,331)		
365.00	OVERHEAD CONDUCTORS AND DEVICES	1,208,423,459.24	44-R1.5	(30)	2.15			25,981,104			2.06	24,922,045	(1,059,059)		
366.00	UNDERGROUND CONDUIT	199,779,066.87	45-S2.5	(10)	2.26			4,155,007			2.37	4,725,775	210,788		
367.00	UNDERGROUND CONDUCTORS AND DEVICES	1,134,635,170.25	40-S2	(5)	1.76			19,969,579			1.62	18,411,036	(1,558,543)		
368.00	LINE TRANSFORMERS	1,131,254,323.64	39-R2	(5)	2.54			28,733,860			2.46	27,806,592	(927,268)		
369.00	SERVICES	681,775,180.43	42-R3	(10)	1.96			13,562,764			1.59	10,868,784	(2,494,010)		
370.00	METERS	51,889,323.64	30-R4	(15)	3.41			1,569,426			1.91	1,003,940	(705,586)		
370.01	METERS BEING REPLACED	142,517,522.33	40-R4	(5)	6.41			7,779,748			**	7,007,351	(472,397)		
371.00	METERS - LUMP	69,716,613.08	17-S2.5	0	1.15			4,468,450			5.64	4,465,556	177,406		
371.01	INSTALLATIONS ON CUSTOMERS PREMISES	318,553,648.97	25-L1.5	(10)	1.15			3,653,344			1.38	4,405,748	742,404		
373.00	STREET LIGHTING AND SIGNAL SYSTEMS	264,817,433.02	30-R1	(10)	3.87			10,246,241			4.85	12,840,929	2,592,688		
	TOTAL DISTRIBUTION PLANT	6,889,286,718.39			2.50			171,841,871			2.44	167,807,854	(4,234,217)		
	GENERAL PLANT														
390.00	STRUCTURES AND IMPROVEMENTS	156,446,136.21	45-R1.5	(5)	2.42			3,785,996			2.43	3,805,402	19,406		
391.00	OFFICE FURNITURE AND EQUIPMENT FULLY ACCRUED	10,200,214.55 14,520,609.30	20-SQ 20-SQ	0 0	0.00 5.00			0 726,030			- 6.67	0 968,950	0 242,920		
	TOTAL OFFICE FURNITURE AND EQUIPMENT	24,720,823.85			2.94			726,030			3.92	968,950	242,920		
391.10	OFFICE FURNITURE AND EQUIPMENT - EDP	61,586,228.38	8-SQ	0	12.50			7,898,279			12.50	7,696,591	(1,889)		
392.00	TRANSPORTATION EQUIPMENT	69,970,818.26	11-L2	10	10.29			7,900,512			6.42	4,463,903	(2,706,603)		
393.00	STORES EQUIPMENT	2,059,932.97	20-SQ	0	5.00			102,997			5.00	102,994	(103)		
394.00	TOOLS SHOPS AND GARAGE EQUIPMENT	90,242,659.07	20-SQ	0	5.00			4,312,363			5.00	4,508,503	(3,880)		
395.00	LABORATORY EQUIPMENT	6,739,788.51	15-SQ	0	6.67			449,544			6.67	449,309	(235)		
396.00	POWER OPERATED EQUIPMENT	5,679,686.30	12-S6	0	5.99			340,213			7.26	412,343	72,130		
397.00	COMMUNICATION EQUIPMENT FULLY ACCRUED	59,435,956.41 120,558,862.75	20-SQ 20-SQ	0 0	- 5.00			0 6,028,793			- 10.00	0 12,049,716	0 6,022,923		

Duke Energy Progress, LLC  
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DUKE ENERGY PROGRESS  
COMPARISON OF CURRENT AND PROPOSED DEPRECIATION PARAMETERS, RATES AND ACCRUALS  
AS OF DECEMBER 31, 2018

	ACCOUNT	ORIGINAL COST AS OF DECEMBER 31, 2018	CURRENT				PROPOSED							
			PROBABLE RETIREMENT DATE	SURVIVOR CURVE	NET SALVAGE PERCENT	ANNUAL RATE	ANNUAL ACCRUAL AMOUNT	PROBABLE RETIREMENT DATE	SURVIVOR CURVE	NET SALVAGE PERCENT	ANNUAL RATE	ANNUAL ACCRUAL AMOUNT	INCREASE/ (DECREASE)	
														(1)
396.00	MISCELLANEOUS EQUIPMENT	23,040,257.88	179/97.819.16	20-SQ	0	5.00	1,152,013	20-SQ	0	5.00	1,150,668	(1,145)	3,643,725	7,916,898
	TOTAL GENERAL PLANT	620,468,150.39				5.16	31,994,760				5.74	35,638,485	3,643,725	
	TOTAL TRANSMISSION, DISTRIBUTION AND GENERAL PLANT	10,045,309,708.16				2.51	282,439,985				2.59	260,356,883	7,916,898	
	DEPRECIABLE LAND RIGHTS													
310.00	LAND RIGHTS													
	ASHEVILLE UNIT 1	919,201.95	12-2027	100-R4	*	0	0	12-2027	100-R4	*	0	-	0	
	MAVO UNIT 1	3,577,117.54	06-2035	100-R4	*	0	0.78	27,902	06-2029	100-R4	*	0	0.97	6,823
	ROXBORO UNIT 1	1,827,202.76	06-2028	100-R4	*	0	-	0	06-2026	100-R4	*	0	-	0
	ROXBORO UNIT 3	3,037,934.25	06-2033	100-R4	*	0	-	0	06-2029	100-R4	*	0	-	0
	TOTAL ACCOUNT 310	9,361,456.50				0.30	27,902				0.37	34,725	6,823	
320.00	LAND RIGHTS													
	HARRIS UNIT 1	49,898,293.03	10-2046	100-R4	*	0	1.21	602,692	10-2046	100-R4	*	0	1.21	(1,558)
	ROBINSON UNIT 2	315,919.74	07-2030	100-R4	*	0	-	0	07-2030	100-R4	*	0	-	0
	TOTAL LAND RIGHTS	50,125,212.77				1.20	602,692				1.20	601,134	(1,558)	
320.10	RIGHTS OF WAY													
	BRUNSWICK UNIT 1	9,724.11	09-2036	100-R4	*	0	0.89	87	09-2036	100-R4	*	0	0.93	3
	BRUNSWICK UNIT 2	51,363.07	12-2034	100-R4	*	0	0.17	87	12-2034	100-R4	*	0	0.17	1
	ROBINSON UNIT 2	6,141.10	07-2030	100-R4	*	0	-	0	07-2030	100-R4	*	0	-	0
	TOTAL RIGHTS OF WAY	67,228.28				0.26	174				0.26	178	4	
	TOTAL ACCOUNT 320	50,192,441.05				1.20	602,866				1.20	601,312	(1,554)	
330.00	LAND RIGHTS													
	WALTERS	80,796.94	06-2034	110-R4	*	0	2.73	2,206	06-2034	110-R4	*	0	2.67	(46)
330.10	RIGHTS OF WAY													
	BLEWETT	9,598.14	06-2055	110-R4	*	0	2.22	213	06-2055	110-R4	*	0	2.03	(18)
	MARSHALL	3,728.53	06-2035	110-R4	*	0	2.82	105	06-2035	110-R4	*	0	2.83	(7)
	TILLEY	19,764.49	06-2055	110-R4	*	0	1.41	279	06-2055	110-R4	*	0	1.32	(18)
	WALTERS	33,333.15	06-2034	110-R4	*	0	2.71	903	06-2034	110-R4	*	0	2.66	(16)
	TOTAL RIGHTS OF WAY	66,424.31				2.26	1,500				2.17	1,441	(59)	
	TOTAL ACCOUNT 330	147,221.25				2.52	3,706				2.45	3,601	(105)	
340.00	LAND RIGHTS													
	H.F. LEE I.C TURBINES (WAYNE COUNTY UNITS 10-13)	2,046,655.08	06-2040	60-R4	*	0	2.51	51,421	06-2040	60-R4	*	0	2.40	(2,307)
340.10	RIGHTS OF WAY													
	H.F. LEE I.C TURBINES (WAYNE COUNTY UNITS 10-13)	2,532,367.27	06-2040	60-R4	*	0	2.76	69,893	06-2040	60-R4	*	0	2.67	(2,154)
	TOTAL ACCOUNT 340	4,581,022.35				2.65	121,315				2.55	116,653	(4,462)	
350.10	RIGHTS OF WAY													
	RIGHTS OF WAY	176,748,823.75				1.15	2,032,623				1.15	2,039,608	6,985	
360.00	LAND RIGHTS													
	RIGHTS OF WAY	107,521.37				1.49	1,602				1.48	1,586	(16)	
389.10	RIGHTS OF WAY													
	RIGHTS OF WAY	23,098,367.28				1.28	306,027				1.25	298,919	(7,108)	
	RIGHTS OF WAY	51,783.33				51.51	28,674				52.42	27,147	473	
	TOTAL DEPRECIABLE LAND RIGHTS	255,039,636.88				1.18	3,122,714				1.18	3,123,751	1,037	
	TOTAL ELECTRIC PLANT	26,397,951,517.28				3.02	797,849,611				3.53	931,854,218	134,004,606	
	RESERVE ADJUSTMENT FOR AMORTIZATION													
391.00	OFFICE FURNITURE AND EQUIPMENT													
393.00	STORES EQUIPMENT													
394.00	TOOLS SHOPS AND GARAGE EQUIPMENT													
395.00	LABORATORY EQUIPMENT													
397.00	COMMUNICATION EQUIPMENT													
398.00	MISCELLANEOUS EQUIPMENT													
	RESERVE ADJUSTMENT FOR AMORTIZATION													
	TOTAL DEPRECIABLE ELECTRIC PLANT	26,397,951,517.28					806,834,635					950,383,512	143,548,876	

Duke Energy Progress, LLC  
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Adjust for new depreciation rates  
For the test period ended December 31, 2018

NC-2603  
Page 1 of 1  
Application

Comparison of Current and Proposed Depreciation as of December 31, 2018 - Costs recovered through riders

Line No.	Description	<u>CURRENT</u> Calculated Annual	Current Rate [1]	<u>PROPOSED</u> Calculated Annual	Proposed Rate [2]	Adjustment Amount	Adjustment	
		<u>Accrual [1]</u>		<u>Accrual [2]</u>				
1	Steam 312 - SCR Catalyst	\$ 1,663,431	4.08%	\$ 244,622	0.60%	\$ (1,418,809)	1,418,809	[3]
2	Total Production	\$ 1,663,431		\$ 244,622		\$ (1,418,809)	\$ 1,418,809	

[1] NC-2602 - SCR Catalyst Current Depreciation rate - per Depreciation Study

[2] NC-2602 - SCR Catalyst Proposed Depreciation rate - per Depreciation Study

[3] Per NC-0201, SCR catalyst depreciation expense is included in the fuel clause and should be excluded.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust vegetation management expenses  
For the test period ended December 31, 2018

NC-2700  
Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expenses and income taxes for increased vegetation management expenses not included in the test period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust vegetation management expenses  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2700

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-2701	5,757
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-2701	(1,334)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	4,424
18			
19	Operating income	L4 - L17	<u>\$ (4,424)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			-
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ -</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		



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<u>Line No.</u>	<u>Description</u>	<u>Total System</u>	<u>NC Retail Allocation</u>	<u>Total NC Retail</u>
1				
2	Vegetation management adjustment - distribution	\$ 5,870 [1]	83.9171% [2]	\$ 4,926
3	Vegetation management adjustment - transmission	1,394 [1]	59.6699% [3]	\$ 832
4	Impact to O&M (L2 + L3)	<u>\$ 7,264</u>		<u>\$ 5,757</u>
5				
6	Statutory tax rate	23.1693% [4]		23.1693% [4]
7	Impact to income taxes (-L4 x L6)	<u>\$ (1,683)</u>		<u>\$ (1,334)</u>
8				
9	Impact to operating income (-L4 - L7)	<u><u>\$ (5,581)</u></u>		<u><u>\$ (4,424)</u></u>

[1] NC 2702 - Vegetation Management Adjustment - Distribution and Transmissioin, Line 15 & Line 25

[2] NC Retail Allocation Factor - RB\_PLT\_O\_DI\_OH\_LN

[3] NC Retail Allocation Factor - DTALL

[4] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Note: Totals may not foot due to rounding

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Adjust vegetation management expenses  
For the test period ended December 31, 2018

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Vegetation Management Adjustment - Distribution and Transmission

Line No.	Description	Total Miles (a)	Target Cycle (b)	Number of Miles to Trim per Year (c) = (a) / (b)	Test Year (d)	Adjustment (e)
1						
2	<u>Vegetation Management Adjustment - Distribution</u>					
3	Urban Miles	1,092	3	364		364
4	Other Miles	32,807	7	4,687		4,687
5	Total Miles (Sum L3 through L4)	33,899		5,051	4,458	5,051
6	Cost per Mile				7,118	7,421
7	Production \$ (Sum L5 x L6)				\$ 31,730,273	\$ 37,480,889
8	Demand \$				2,382,338	2,481,372
9	Herbicide \$				1,963,007	1,974,393
10	Contract Inspectors \$				439,685	448,479
11	Program Target \$ (Sum L7 through L10)				\$ 36,515,303	\$ 42,385,133
12						
13	Total Distribution Adjustment (Line 11 Col (e) Less Col (d))					\$ 5,869,830
14						
15	<u>Vegetation Management Adjustment - Transmission</u>					
16	Transmission Routine Maintance				\$ 3,005,847	\$ 3,586,254
17	Transmission Reactive Maintance				753,702	930,267
18	Transmission Herbicide				2,949,321	3,329,089
19	Transmission Inspections				541,024	558,546
20	Transmission Substation Maintance				893,416	1,133,000
21	Targeted Program Costs (Sum L16 through L20)				\$ 8,143,310	\$ 9,537,156
22						
23	Total Transmission Adjustment (Line 21 Col (e) Less Col (d))					\$ 1,393,846

Source: Duke Energy Delivery Finance

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NC-2800  
Narrative

#### E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

#### Detailed Narrative Explanation of Adjustment

##### Nuclear Fuel

The cost of the last nuclear fuel core is not captured in the costs of decommissioning and is not expected to have any salvage value. As this last core of nuclear fuel would benefit the ratepayers served prior to the end of life of the nuclear plant, a reserve is accrued so that there is a better matching of cost and benefit for ratemaking purposes. The annual amortization expense adjustment is determined by dividing the current projected remaining value of the last core of nuclear fuel at the end of life of each unit by the number of years remaining in the unit's life less the amount of amortization in the test year. The reserve is an offset to rate base in the cost of service.

##### Nuclear Materials and Supplies

Similar to the discussion above for the final nuclear fuel core, the Company accrues a reserve for end of life nuclear materials and supplies (M&S). The nuclear M&S inventory will have little or no salvage value at the time of decommissioning. The annual amortization expense adjustment was determined by dividing the projected inventory balance at the end of life of each unit by the number of years remaining in the unit's life less the amount of amortization in the test year. Duke Energy Progress assumed in its computations that the current test year balance of nuclear M&S would be the projected inventory balance at the end of life of each unit.

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For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2800  
Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.		-
11	Depreciation and amortization	NC-2801	(91)
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-2801	21
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(70)
18			
19	Operating income	L4 - L17	\$ 70

Notes:

Revenue: positive number increases revenue / negative number decreases revenue

Expense: positive number increases expense / negative number decreases expense

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Line No.	Description	Total NC Retail
1	<u>Impact to Income Statement Line Items</u>	
2	Adjustment for end of life reserve for nuclear fuel	(1,302) [1]
3	Adjustment for end of life reserve for nuclear materials and supplies	1,211 [2]
4	Impact to depreciation and amortization (L2 + L3)	<u>\$ (91)</u>
5		
6	Statutory tax rate	23.1693% [3]
7	Impact to income taxes (-L4 x L6)	<u>\$ 21</u>
8	Impact to operating income (-L4 - L7)	<u><u>\$ 70</u></u>

[1] NC-2802, Line 38

[2] NC-2803, Line 26

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

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Adjust reserve for end of life nuclear costs  
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Adjustment for End of Life Reserve for Nuclear Fuel

Line No.	Description	Brunswick 1	Brunswick 2	Harris	Robinson	Total	
1	<u>Impact to Income Statement Line Items</u>						
2	Projection of core's end-of cycle value	\$58,653	\$48,488	\$46,964	\$33,272	\$187,377	[1]
3	as of date	3/1/2036	2/26/2033	3/11/2036	9/16/2028		[1]
4	Joint ownership share of core's end-of-cycle value	18.333%	18.333%	16.18%	0.00%		
5	Core's end-of-cycle value net of joint ownership estimate (L2 - (L2 x L4))	\$ 47,900	\$ 39,599	\$ 39,366	\$ 33,272	\$ 160,137	
6	Final refueling cycle months	18	18	12	18		[1]
7	Normal refueling cycle months	24	24	18	24		[1]
8	Adjustment ratio for shorter last cycle (L6 / L7)	75.00%	75.00%	66.67%	75.00%		
9							
10	Adjustment ratio for last cycle loading & operating efficiencies	75.00%	75.00%	75.00%	75.00%		[1]
11							
12	Adjusted end of cycle value (L5 x L8 x L10)	\$ 26,944	\$ 22,274	\$ 19,683	\$ 18,716	\$ 87,617	
13	Projected decommissioning date of plant	9/8/2036	12/27/2034	10/24/2046	7/31/2030		[2]
14	Nuclear fuel annual escalation rate (applies to post forecast period)	2.00%	2.00%	2.00%	2.00%		[1]
15	Adjusted end of cycle value, escalated to decommissioning date						
16	(L12 x (1 + L14) ^ ((L13 - L3) / 365.25 days))	\$ 27,224	\$ 23,097	\$ 24,290	\$ 19,422	\$ 94,033	
17							
18	NC Retail Allocation Factor (E1ALL)	61.1093%	61.1093%	61.1093%	61.1093%	61.1093%	[3]
19	Adjusted end of cycle value, escalated to decommissioning date - NC Retail (L16 x L18)	\$ 16,636	\$ 14,114	\$ 14,844	\$ 11,868	\$ 57,463	
20							
21	2013 annual expense for reserve - NC Retail	\$ 1,173	\$ 1,248	\$ 753	\$ 975	\$ 4,149	[4]
22	2013 monthly expense for reserve - NC Retail (L21 / 12 months)	98	104	63	81	346	
23	Number of months amortized at February 1, 2018	56	56	56	56	56	[5]
24	Reserve balance - NC Retail at 01/31/2018 (L22 x L23)	\$ 5,474	\$ 5,824	\$ 3,512	\$ 4,551	\$ 19,361	
25							
26	2018 annual expense for reserve - NC Retail	\$ 1,009	\$ 1,028	\$ 642	\$ 802	\$ 3,482	[6]
27	Current annual expense for reserve - NC Retail	966	970	613	757	3,306	[7]
28	Current monthly expense for reserve - NC Retail (L27 / 12 months)	81	81	51	63	276	
29	Number of months amortized from 1/1/2019 through 8/31/2020	20	20	20	20	20	[8]
30	Expected reserve balance - NC Retail at 8/31/2020 (L24 + L27 x L28)	\$ 8,094	\$ 7,440	\$ 4,535	\$ 5,813	\$ 25,882	
31							
32	Remaining reserve required at rates effective date - NC Retail (L19 - L30)	\$ 8,542	\$ 6,675	\$ 10,309	\$ 6,055	\$ 31,581	
33							
34	Date new rates effective	9/1/2020	9/1/2020	9/1/2020	9/1/2020		
35	Years of remaining plant life (L13 - L34 / 365.25 days)	16	14	26	10		
36	Annual expense for reserve required at new rates effective date - NC Retail (L32 / L35)	\$ 533	\$ 466	\$ 394	\$ 611	\$ 2,005	
37							
38	Current annual expense for reserve - NC Retail (L27)	966	970	613	757	3,306	
39	Adjustment to annual expense for end of life reserve for nuclear fuel (L36 - L38)	\$ (433)	\$ (504)	\$ (219)	\$ (146)	\$ (1,302)	

[1] Information provided by Duke Energy Nuclear Fuel Supply

[2] Information provided by Duke Energy Carolinas Nuclear Fleet Licensing

[3] NC Retail Allocation Factor - E1ALL

[4] NC-2802-2 - Docket No. E-2, Sub 1023, NCUC Form E-1 tem 10 - 2013 Rate Case, Line 1 multiplied by NC Retail %

[5] Monthly amortization begin date June 1, 2013 through rates effective date February 1, 2018 = 56 months

[6] For the test period ended December 31, 2018 - Account 0407342

[7] NC-2802-1 - Docket No. E-2, Sub 1142, NC-1504 - End of Life Reserve for Nuclear Fuel - Last Rate Case, Line 20

[8] Monthly amortization begin date January 1, 2019 through rates effective date September 1, 2020 = 20 months

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Adjustment for End of Life Reserve for Nuclear Fuel

Duke Energy Progress, LLC				NC-1504			
Docket No. E-2, Sub 1142				Page 1 of 1			
Adjust reserve for end of life nuclear costs							
For the test period ended December 31, 2016							
<b>Adjustment for End of Life Reserve for Nuclear Fuel</b>							
(a)	(b)	(c)	(d)	(e)	(f)	(g)	
Row	Description	Source	Total	Brunswick 1	Brunswick 2	Harris	Robinson
1	Projection of core's end-of cycle value	Nuclear Engineering	213,385,289	62,169,642	59,693,770	55,372,971	36,148,905
2	as of date	Nuclear Engineering		3/1/2034	2/25/2033	10/3/2037	9/11/2026
3	Final Refueling Cycle Months	Nuclear Engineering		18	18	12	18
4	Normal Refueling Cycle Months	Nuclear Engineering		24	24	18	24
5	Adjustment Ratio for Shorter Last Cycle	Row 3 / Row 4		75%	75%	67%	75%
6							
7	Adjustment Ratio for Last Cycle Loading & Operating Efficiencies	Nuclear Engineering		75%	75%	75%	75%
8		Row 1 x Row 5 x Row 7					
9	Adjusted End of Cycle Value		116,568,414	34,970,424	33,577,746	27,686,486	20,333,759
10	Projected Decommissioning Date of Plant	Accounting		9/8/2036	12/27/2034	10/24/2046	7/31/2030
11	Nuclear Fuel Annual Escalation Rate (applies to post forecast period)	Nuclear Engineering		2.0%	2.0%	2.0%	2.0%
12	Adjusted End of Cycle Value, Escalated to Decommissioning Date	Row 9 x (1 + Row 11) ^ ((Row 10 - Row 2) / 365.25)	126,667,842	36,762,945	34,819,886	33,125,158	21,959,853
13	NC Retail Allocation Factor	Doss Exhibit 2		0.6379	0.6379	0.6379	0.6379
14	Adjusted End of Cycle Value, Escalated to Decommissioning Date-NC Retail	Row 12 x Row 13	80,801,417	23,451,083	22,211,605	21,130,538	14,008,190
15	Less Expected NC Retail Reserve Balance 1/31/2018	Reg Planning	19,361,400	5,473,650	5,823,804	3,512,474	4,551,473
16	NC Retail Remaining Reserve Required at rates effective date	Row 14 - Row 15	61,440,016	17,977,433	16,387,802	17,618,064	9,456,717
17							
18	Date New Rates Effective	Reg Planning		2/1/2018	2/1/2018	2/1/2018	2/1/2018
19	Years of Remaining Plant Life	(Row 10 - Row 18) / 365.25		19	17	29	12
20	NC Annual Expense for Reserve	Row 16 / Row 19	3,306,425	966,479	969,649	613,324	756,973
21							
22	NC Test Year Annual Expense to Reserve	Account 0407342	4,148,872	1,172,925	1,247,958	752,673	975,316
23	NC Annual Expense Change	Row 20 - Row 22	(842,447)	(206,446)	(278,309)	(139,348)	(218,344)
24							
25	Rate Base Impacts:						
26	NC End of Life Nuclear Fuel Reserve 12/31/2016	Account 0254021	(14,866,789)				
27	NC Expected Nuclear Fuel Reserve 1/31/2018	-Line 15	(19,361,400)				
28	Reserve Adjustment	Line 27 - Line 26	(4,494,611)				
29	ADIT Adjustment	-Line 28 x .370599	1,685,698				

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Adjustment for End of Life Reserve for Nuclear Fuel

NCUC Form E-1  
Item No. 10

**Progress Energy Carolinas**

Docket E-2, SUB 1023

Test Year Ending March 31, 2012

Cost of Service Adjustments

**Adj WK 35**

**Adjustment for End of Life Reserve for Nuclear Fuel - Summary**

(a) Row	(b) Description	(c) Source	(d) Total	(e) Row in COS Report	(f) Allocation Method	(g) Juris Assign
1	Nuclear Fuel Accrual Adj	Adj WK 35a	6,206,250	ADJ/OM EOL NUCLEAR FUEL	E1ALL	-

**Adj WK 35a**

**Adjustment for End of Life Reserve for Nuclear Fuel - Detail**

(a) Row	(b) Description	(c) Source	(d) Total	(e) Brunswick 1	(e) Brunswick 2	(f) Harris	(g) Robinson
1	Projection of core's end-of cycle value	Nuclear Engineering	282,992,599	84,548,062	84,531,627	64,636,105	49,276,804
2	as of date	Nuclear Engineering		3/1/2034	2/25/2033	4/5/2030	10/5/2029
3	Joint Ownership Share of core's end-of-cycle value	Accounting		0.1833	0.1833	0.1617	-
4	Core's end-of-cycle value Net of Joint Ownership Estimate	Row 2 x (1 - Row 3)	241,548,633	69,050,403	69,036,980	54,184,447	49,276,804
5	Final Refueling Cycle Months	Nuclear Engineering		18	18	12	12
6	Normal Refueling Cycle Months	Nuclear Engineering		24	24	18	18
7	Adjustment Ratio for Shorter Last Cycle	Row 5 / Row 6		75%	75%	67%	67%
8	Adjustment Ratio for Last Cycle Loading & Operating Efficiencies	Nuclear Engineering		75%	75%	75%	75%
9	Adjusted End of Cycle Value	Row 4 x Row 7 x Row 8	129,404,778	38,840,851	38,833,301	27,092,223	24,638,402
10	Projected Decommissioning Date of Plant	Accounting		9/8/2036	12/27/2034	10/24/2046	7/31/2030
11	Nuclear Fuel Annual Escalation Rate (applies to post forecast period)	Nuclear Engineering		2.0%	2.0%	2.0%	2.0%
12	Adjusted End of Cycle Value, Escalated to Decommissioning Date	Row 9 x (1 + Row 11) ^ ((Row 10 - Row 2) / 365.25)	143,744,060	40,831,764	40,269,860	37,601,372	25,041,064
13	Date New Rates Effective	Reg Planning		6/1/2013	6/1/2013	6/1/2013	6/1/2013
14	Years of Remaining Plant Life	(Row 10 - Row 13) / 365.25		23	22	33	17
15	Annual Expense for Reserve	Row 12 / Row 14	6,206,250	1,754,565	1,866,806	1,125,914	1,458,965

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Adjustment for End of Life Reserve for Nuclear Materials and Supplies

Line No.	Description	Brunswick 1	Brunswick 2	Harris	Robinson	Total
1	<u>Impact to Income Statement Line Items</u>					
2	Current inventory as of December 31, 2018	\$ 97,698	\$ 97,698	126,342	75,117	\$ 396,854 [1]
3	End of life inventory value estimate (no escalation) +L1	97,698	97,698	126,342	75,117	396,854
4	NC Retail Allocation Factor - All Production Demand (DPALL)	61.5278%	61.5278%	61.5278%	61.5278%	61.5278% [2]
5	Nuclear M&S inventory base for amortization - NC Retail (L3 x L4)	\$ 60,111	\$ 60,111	\$ 77,735	\$ 46,218	\$ 244,176
6						
7	2013 annual expense for reserve - NC Retail	\$ 1,080	\$ 1,166	\$ 808	\$ 867	\$ 3,921 [3]
8	2013 monthly expense for reserve - NC Retail (L7 / 12 months)	90	97	67	72	327
9	Number of months amortized at February 1, 2018	56	56	56	56	56 [4]
10	Reserve balance - NC Retail at 01/31/2018 (L8 x L9)	\$ 5,040	\$ 5,441	\$ 3,771	\$ 4,046	\$ 18,298
11						
12	2018 annual expense for reserve - NC Retail	\$ 2,171	\$ 2,366	\$ 1,830	\$ 3,224	\$ 9,591 [5]
13	Current annual expense for reserve - NC Retail	2,458	2,682	2,083	3,860	11,083 [6]
14	Currently monthly expense for reserve - NC Retail (L13 / 12 months)	205	224	174	322	924
15	Number of months amortized from 1/1/2019 through 8/31/2020	20	20	20	20	20 [7]
16	Expected reserve balance - NC Retail at 8/31/2020 (L10 + L12 + ( L15 x L16))	\$ 11,309	\$ 12,278	\$ 9,071	\$ 13,703	\$ 46,360
17						
18	Remaining reserve required at rates effective date - NC Retail (L5 - L16)	\$ 48,803	\$ 47,834	\$ 68,664	\$ 32,515	\$ 197,815
19						
20	Projected decommissioning date of plant	9/8/2036	12/27/2034	10/24/2046	7/31/2030	[8]
21	Date new rates effective	9/1/2020	9/1/2020	9/1/2020	9/1/2020	[9]
22	Years of remaining plant life ((L20 - L21 / 365.25 days)	16	14	26	10	
23						
24	Annual expense for reserve required at rates effective date - NC Retail (L18 / L22)	\$ 3,047	\$ 3,341	\$ 2,626	\$ 3,281	\$ 12,294
25						
26	Current annual expense for reserve - NC Retail (L13)	2,458	2,682	2,083	3,860	11,083
27	Adjustment to annual expense for end of life reserve for nuclear M&S (L24 - L26)	\$ 588	\$ 659	\$ 543	\$ (579)	\$ 1,211

Note: Totals may not foot due to rounding

[1] Provided by Duke Energy Progress Asset Accounting

[2] NC Retail Allocation Factor - DPALL

[3] NC-2803-1 - Annual expense in Docket No. E-2, Sub 1023, NC-1504 - End of Life Reserve for Nuclear Materials and Supplies - 2013 rate case, Line 18

[4] Monthly amortization begin date June 1, 2013 through rates effective date February 1, 2018 = 56 months

[5] For the test period ended December 31, 2018 - Account 0407375

[6] NC-2803-1 - Annual expense in Docket No. E-2, Sub 1142, NC-1504 - End of Life Reserve for Nuclear Materials and Supplies - Last rate case, Line 17

[7] Monthly amortization begin date January 1, 2019 through rates effective date September 1, 2020 = 20 months

[8] NC-2802 - Adjustment for End of Life Reserve for Nuclear Fuel, Line 13

[9] NC-2802 - Adjustment for End of Life Reserve for Nuclear Fuel, Line 33

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Adjust reserve for end of life nuclear costs  
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Adjustment for End of Life Reserve for Nuclear Materials and Supplies

Duke Energy Progress, LLC						NC-1502
Docket No. E-2, Sub 1142						Page 1 of 1
Adjust reserve for end of life nuclear costs						
For the test period ended December 31, 2016						
(Dollars in thousands)						
<u>Adjustment for End of Life Reserve for Nuclear Materials and Supplies</u>						
Line						
No.	Description	Brunswick 1	Brunswick 2	Harris	Robinson	Total
1						
2	Inventory as of December 31, 2016	101,723	[1] 101,723	[1] 127,456	[1] 104,700	435,601
3	End of life inventory value estimate (no escalation) +L1	101,723	101,723	127,456	104,700	
	Adjustment to remove inventory per Public Staff	(2,242)	(2,242)	(2,809)	(2,307)	(9,600)
	Inventory balance per Public Staff	99,481	99,481	124,647	102,393	
4	% of M&S with salvage value or transferrable	20%	20%	20%	20%	
5	Nuclear M&S inventory base for amortization (L3 X (1-L4)	79,585	79,585	99,718	81,914	
6						
7	NC Retail Allocation percent (DPALL)	0.63790	0.63790	0.63790	0.63790	
8	NC Nuclear M&S inventory base for amortization (L5 x L7)	50,767	50,767	63,610	52,253	
9	Less projected inventory reserve 1/31/18 (NC 1503 L4)	5,042	5,439	3,772	4,046	
10	NC Nuclear Reserve Required at 2/1/18 (L8-L9)	45,725	45,328	59,838	48,207	
11						
12	Projected decommissioning date of plant	09/08/36 [2]	12/27/34 [2]	10/24/46 [2]	07/31/30	
13						
14	Date new rates effective	02/01/18 [3]	02/01/18 [3]	02/01/18 [3]	02/01/18	
15	Years of remaining plant life ((L12 - L14) / 365.25 days)	19	17	29	12	
16						
17	NC Retail Annual expense for reserve (L10 / L15)	2,458	2,682	2,083	3,860	11,083
18	Test Year Expense (NC 1503 L2)	1,080	1,166	808	867	3,921
19	NC Amortization Expense Adjustment (L17-L18)	\$ 1,378	\$ 1,517	\$ 1,275	\$ 2,993	7,162
20						
21	Rate Base Impacts					
22	NC End of Life Nuclear M&S Reserve 12/31/2016					(14,051)
23	NC Expected M&S Reserve 1/31/2018					(18,299)
24	Reserve Adjustment (Line 23 - Line 22)					(4,248)
25	ADIT Adjustment (Line 24 x .370599)					1,574
	[1] Accounting					
	[2] NC-1504 - Line 10					
	[3] NC-1504 - Line 18					
	[4] Account 0254022					
	[5] -NC-1503 - Line 4					

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update deferred balance and amortize storm costs  
For the test period ended December 31, 2018

NC-2900  
Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts depreciation and amortization, and income taxes for the amortization of the deferred storm expenses related to Hurricanes Florence, Michael and Winter Storm Diego (E-2 Sub 1193). The proforma also includes the estimated impact of Hurricane Dorian from September 2019.

Working capital and accumulated deferred taxes are adjusted to reflect the regulatory asset related to the deferred storm expenses.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update deferred balance and amortize storm costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2900  
Page 1 of 1

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		
9	Purchased power		
10	Other operation and maintenance expense		
11	Depreciation and amortization	NC-2901	43,459
12	General taxes		
13	Interest on customer deposits		
14	Income taxes	NC-2901	(10,069)
15	Amortization of investment tax credit		
16			
17	Total electric operating expenses	Sum L8 through L15	33,390
18			
19	Operating income	L4 - L17	<u>\$ (33,390)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	<u>\$ -</u>
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment	NC-2901	608,431
35			-
36			
37	Less:		
38	Accumulated deferred taxes	NC-2901	(140,969)
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ 467,462</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		



Duke Energy Progress, LLC

Docket No. E-2, Sub 1219

Update deferred balance and amortize storm costs

For the test period ended December 31, 2018

(Dollars in thousands)

NC-2901  
Page 1 of 1

Line No.	Description	Cumulative Deferred Storm Costs Balance			
		Distribution [1]	Transmission [2]	Production [3]	Total
1	Impact to Income Statement Line Items				
2	Projected ending balance at August 31, 2020	\$ 600,193	\$ 48,265	\$ 3,432	\$ 651,890
3	Years to amortize	15	15	15	
4	Impact to depreciation and amortization (L2 / L3)	\$ 40,013	\$ 3,218	\$ 229	\$ 43,459
5					
6	Statutory tax rate				23.1693% [4]
7	Impact to income taxes (-L4 x L6)				\$ (10,069)
8					
9	Impact to operating income (-L4 - L7)				\$ (33,390)
10					
11	Impact to Rate Base Line Items				
12	Projected August 31, 2020 storm deferral balance for rate base (L2)	\$ 600,193	\$ 48,265	\$ 3,432	\$ 651,890
13	Less: 1st year storm deferral amortization (-L4)	(40,013)	(3,218)	(229)	(43,459)
14	Projected storm deferral balance for rate base (L12 + L13)	\$ 560,180	\$ 45,047	\$ 3,204	\$ 608,431
15					
16	Impact to working capital investment (L14 )	\$ 560,180	\$ 45,047	\$ 3,204	\$ 608,431
17					
18	Deferred tax rate	23.1693% [4]	23.1693% [4]	23.1693% [4]	
19	Impact to accumulated deferred income tax (-L16 x L18)	\$ (129,790)	\$ (10,437)	\$ (742)	\$ (140,969)
20					
21	Impact to rate base (L16 + L19)	\$ 430,390	\$ 34,610	\$ 2,461	\$ 467,462

[1] NC-2902 - Projected Storm Deferral Balance-Distribution

[2] NC-2903 - Projected Storm Deferral Balance-Transmission

[3] NC-2904 - Projected Storm Deferral Balance-Production

[4] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

[4] NC-0105 - Estimated Revenue Margin Impact of Hurricane Florence

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update deferred balance and amortize storm costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

Projected Storm Deferral Balance-Distribution

Line No.	Month and Year	Plant Bal [1]	Book Depr	Accum Depr	Rate Base	Def Cost of Cap-Debt	Def Cost of Cap-Equity	Def Depr Exp	Def O&M Exp [1]	After-Tax Ret on Def Costs-Debt	After-Tax Ret on Def Costs-Equity	Total Def Amount	Cumulative Balance
1	September 30, 2018	58,600	-	-	58,600	47	164	-	337,663	210	725	338,809	338,809
2	October 31, 2018	67,261	-	-	67,261	102	351	-	27,829	439	1,514	30,236	369,045
3	November 30, 2018	67,261	-	-	67,261	109	376	-	-	460	1,584	2,528	371,574
4	December 31, 2018	68,761	-	-	68,761	110	380	-	29,870	481	1,659	32,501	404,074
5	January 31, 2019	68,761	-	-	68,761	111	384	-	-	503	1,735	2,733	406,807
6	February 28, 2019	68,761	-	-	68,761	111	384	-	-	507	1,746	2,748	409,556
7	March 31, 2019	68,761	-	-	68,761	111	384	-	-	510	1,758	2,763	412,319
8	April 30, 2019	68,761	-	-	68,761	111	384	-	-	514	1,770	2,779	415,098
9	May 31, 2019	68,761	-	-	68,761	111	384	-	-	517	1,782	2,794	417,892
10	June 30, 2019	68,761	-	-	68,761	111	384	-	-	520	1,794	2,810	420,702
11	July 31, 2019	68,761	-	-	68,761	111	384	-	-	524	1,806	2,825	423,527
12	August 31, 2019	68,761	-	-	68,761	111	384	-	-	527	1,818	2,841	426,368
13	September 30, 2019	86,261	-	-	86,261	126	433	-	128,562	611	2,106	131,838	558,205
14	October 31, 2019	86,261	-	-	86,261	140	482	-	-	695	2,396	3,713	561,918
15	November 30, 2019	86,261	-	-	86,261	140	482	-	-	700	2,412	3,733	565,651
16	December 31, 2019	86,261	-	-	86,261	140	482	-	-	704	2,428	3,754	569,405
17	January 31, 2020	86,261	-	-	86,261	140	482	-	-	709	2,444	3,775	573,180
18	February 29, 2020	86,261	-	-	86,261	140	482	-	-	714	2,460	3,795	576,975
19	March 31, 2020	86,261	-	-	86,261	140	482	-	-	719	2,477	3,816	580,791
20	April 30, 2020	86,261	-	-	86,261	140	482	-	-	723	2,493	3,838	584,629
21	May 31, 2020	86,261	-	-	86,261	140	482	-	-	728	2,509	3,859	588,488
22	June 30, 2020	86,261	-	-	86,261	140	482	-	-	733	2,526	3,880	592,368
23	July 31, 2020	86,261	-	-	86,261	140	482	-	-	738	2,543	3,902	596,270
24	August 31, 2020	86,261	-	-	86,261	140	482	-	-	743	2,559	3,923	600,193
25	Total Costs Through August 31, 2020					2,922	10,073	-	523,925	14,229	49,044	600,193	

Docket No. E-2, Sub 1142		Assumed Capital Structure		Cost Rates		Weighted Rates		Tax Rate at 21%		
Cost of Capital								Tax Rate	Pre-Tax	After-Tax
26	Long-Term Debt	48.0000%	4.0500%	1.9440%				1.9440%	1.4936%	
27	Common Equity	52.0000%	9.9000%	5.1480%				6.7004%	5.1480%	
28	Total		13.9500%	7.0920%				8.6444%	6.6416%	

- Depreciation Rates  
29 Book Depr Rate - Distribution 0.0000% [2]  
30 Book Depr Rate - Transmission 0.0000% [2]  
31 Book Depr Rate - Production 0.0000% [2]

[1] NC-2906 - NC Storm Cost Data as of June 30, 2019. Dorian estimates as of September 2019.  
[2] NC-2602 Current Depreciation Rates

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update deferred balance and amortize storm costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2903  
Page 1 of 1

Projected Storm Deferral Balance-Transmission

Line No.	Month and Year	Plant Bal [1]	Book Depr	Accum Depr	Rate Base	Def Cost of Cap-Debt	Def Cost of Cap-Equity	Def Depr Exp	Def O&M Exp [1]	After-Tax Ret on Def Costs-Debt	After-Tax Ret on Def Costs-Equity	Total Def Amount	Cumulative Balance
1	September 30, 2018	7,578	-	-	7,578	6	21	-	24,711	15	53	24,807	24,807
2	October 31, 2018	7,578	-	-	7,578	12	42	-	427	31	107	621	25,428
3	November 30, 2018	7,578	-	-	7,578	12	42	-		32	109	195	25,623
4	December 31, 2018	7,578	-	-	7,578	12	42	-	140	32	110	337	25,960
5	January 31, 2019	7,578	-	-	7,578	12	42	-		32	111	198	26,159
6	February 28, 2019	7,578	-	-	7,578	12	42	-		33	112	200	26,358
7	March 31, 2019	7,578	-	-	7,578	12	42	-		33	113	201	26,559
8	April 30, 2019	7,578	-	-	7,578	12	42	-		33	114	202	26,761
9	May 31, 2019	7,578	-	-	7,578	12	42	-		33	115	203	26,963
10	June 30, 2019	7,578	-	-	7,578	12	42	-		34	116	204	27,167
11	July 31, 2019	7,578	-	-	7,578	12	42	-		34	117	205	27,372
12	August 31, 2019	7,578	-	-	7,578	12	42	-		34	118	206	27,579
13	September 30, 2019	7,578	-	-	7,578	12	42	-	17,006	45	155	17,260	44,839
14	October 31, 2019	7,578	-	-	7,578	12	42	-		56	192	303	45,142
15	November 30, 2019	7,578	-	-	7,578	12	42	-		56	194	305	45,447
16	December 31, 2019	7,578	-	-	7,578	12	42	-		57	195	306	45,753
17	January 31, 2020	7,578	-	-	7,578	12	42	-		57	196	308	46,061
18	February 29, 2020	7,578	-	-	7,578	12	42	-		57	198	310	46,370
19	March 31, 2020	7,578	-	-	7,578	12	42	-		58	199	311	46,682
20	April 30, 2020	7,578	-	-	7,578	12	42	-		58	200	313	46,995
21	May 31, 2020	7,578	-	-	7,578	12	42	-		59	202	315	47,310
22	June 30, 2020	7,578	-	-	7,578	12	42	-		59	203	317	47,626
23	July 31, 2020	7,578	-	-	7,578	12	42	-		59	204	318	47,945
24	August 31, 2020	7,578	-	-	7,578	12	42	-		60	206	320	48,265
25	Total Costs Through August 31, 2020					288	994	-	42,285	1,056	3,641	48,265	

Docket No. E-2, Sub 1142 Cost of Capital	Assumed Capital Structure	Cost Rates	Weighted Rates	Tax Rate at 21%		
				Tax Rate	Pre-Tax	After-Tax
26 Long-Term Debt	48.0000%	4.0500%	1.9440%		1.9440%	1.4936%
27 Common Equity	52.0000%	9.9000%	5.1480%	23.1693%	6.7004%	5.1480%
28 Total		13.9500%	7.0920%		8.6444%	6.6416%

Depreciation Rates  
29 Book Depr Rate - Distribution 0.0000% [2]  
30 Book Depr Rate - Transmission 0.0000% [2]  
31 Book Depr Rate - Production 0.0000% [2]

[1] NC-2906 - NC Storm Cost Data as of June 30, 2019. Dorian estimates as of September 2019.  
[2] NC-2602 Current Depreciation Rates

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Update deferred balance and amortize storm costs  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-2904  
Page 1 of 1

Projected Storm Deferral Balance-Production

Line No.	Month and Year	Plant Bal [1]	Book Depr	Accum Depr	Rate Base	Def Cost of Cap-Debt	Def Cost of Cap-Equity	Def Depr Exp	Def O&M Exp [1]	After-Tax Ret on Def Costs-Debt	After-Tax Ret on Def Costs-Equity	Total Def Amount	Cumulative Balance
1	September 30, 2018	-	-	-	-	-	-	-	3,015	2	6	3,023	3,023
2	October 31, 2018	-	-	-	-	-	-	-	-	4	13	17	3,040
3	November 30, 2018	-	-	-	-	-	-	-	-	4	13	17	3,057
4	December 31, 2018	-	-	-	-	-	-	-	-	4	13	17	3,074
5	January 31, 2019	-	-	-	-	-	-	-	-	4	13	17	3,091
6	February 28, 2019	-	-	-	-	-	-	-	-	4	13	17	3,108
7	March 31, 2019	-	-	-	-	-	-	-	-	4	13	17	3,125
8	April 30, 2019	-	-	-	-	-	-	-	-	4	13	17	3,142
9	May 31, 2019	-	-	-	-	-	-	-	-	4	13	17	3,160
10	June 30, 2019	-	-	-	-	-	-	-	-	4	14	17	3,177
11	July 31, 2019	-	-	-	-	-	-	-	-	4	14	18	3,195
12	August 31, 2019	-	-	-	-	-	-	-	-	4	14	18	3,212
13	September 30, 2019	-	-	-	-	-	-	-	-	4	14	18	3,230
14	October 31, 2019	-	-	-	-	-	-	-	-	4	14	18	3,248
15	November 30, 2019	-	-	-	-	-	-	-	-	4	14	18	3,266
16	December 31, 2019	-	-	-	-	-	-	-	-	4	14	18	3,284
17	January 31, 2020	-	-	-	-	-	-	-	-	4	14	18	3,302
18	February 29, 2020	-	-	-	-	-	-	-	-	4	14	18	3,321
19	March 31, 2020	-	-	-	-	-	-	-	-	4	14	18	3,339
20	April 30, 2020	-	-	-	-	-	-	-	-	4	14	18	3,357
21	May 31, 2020	-	-	-	-	-	-	-	-	4	14	19	3,376
22	June 30, 2020	-	-	-	-	-	-	-	-	4	14	19	3,395
23	July 31, 2020	-	-	-	-	-	-	-	-	4	15	19	3,414
24	August 31, 2020	-	-	-	-	-	-	-	-	4	15	19	3,432
25	Total Costs Through August 31, 2020	-	-	-	-	-	-	-	3,015	94	324	3,432	

Docket No. E-2, Sub 1142 Cost of Capital	Assumed Capital Structure	Cost Rates	Weighted Rates	Tax Rate at 21%		
				Tax Rate	Pre-Tax	After-Tax
26 Long-Term Debt	48.0000%	4.0500%	1.9440%	23.1693%	1.9440%	1.4936%
27 Common Equity	52.0000%	9.9000%	5.1480%		6.7004%	5.1480%
28 Total		13.9500%	7.0920%		8.6444%	6.6416%

Depreciation Rates  
29 Book Depr Rate - Distribution 0.0000% [2]  
30 Book Depr Rate - Transmission 0.0000% [2]  
31 Book Depr Rate - Production 0.0000% [2]

[1] NC-2906 - NC Storm Cost Data as of June 30, 2019. Dorian estimates as of September 2019.  
[2] NC-2602 Current Depreciation Rates

Duke Energy Progress, LLC

Docket No. E-2, Sub 1219

Update deferred balance and amortize storm costs

For the test period ended December 31, 2018

(Dollars in thousands)

NC-2905  
Page 1 of 1NC Storm Cost Data

Line No.	Description	Hurricane Florence - Sep 2018			Hurricane Michael - Oct 2018			Winter Storm Diego - Dec 2018			Hurricane Dorian - Sep 2019 [4]		
		System	Allocator	NC Retail	System	Allocator	NC Retail	System	Allocator	NC Retail	System	Allocator	NC Retail
1	Distr-O&M	407,519	[1]	Direct	362,663	[1]		29,944	[1]	Direct	27,829	[1]	
2	Deductible			(25,000)							30,437	[1]	Direct
3	Distr-Capital	71,300	[1]	Direct	58,600	[1]		9,300	[1]	Direct	8,661	[1]	
4											1,511	[1]	Direct
5	Trans-O&M	41,413	[2]	59.7%	24,711	[2]		716	[2]	59.7%	427	[2]	
6	Trans-Capital	12,700	[2]	59.7%	7,578	[2]		235	[2]	59.7%	140	[2]	
7													
8	Prod-O&M	4,900	[3]	61.5%	3,015	[3]							
9	Prod-Capital												

[1] Information provided by Distribution Finance. Storm Cost Data as of June 30, 2019.

[2] Information provided by Transmission Finance. Storm Cost Data as of June 30, 2019.

[3] Information provided by Generation Finance. Storm Cost Data as of June 30, 2019.

[4] Estimate based upon best information available. To be updated in supplemental filing.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust Other Revenue  
For the test period ended December 31, 2018

NC-3000  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma reflects adjustments to revenue, general taxes and income taxes to update various other revenues.

The impact to revenue is determined by multiplying the number of units for NC in the test period by the current rate to arrive at current revenues. The test period units are then multiplied by the proposed rate to arrive at the proposed revenue. The difference between the current and proposed other revenues is the adjustment amount.

The impact to O&M for the NCUC fee is determined by multiplying the impact to revenue by the assessment rate.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.



Duke Energy Progress, LLC

Docket No. E-2, Sub 1219

Adjust Other Revenue

For the test period ended December 31, 2018

(Dollars in thousands)

NC-3000

Application

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue	NC-3001	\$ (4,155)
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power and net interchange		-
10	Wages, benefits, materials, etc.	NC-3001	(5)
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-3001	(962)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(967)
18			
19	Operating income	L4 - L17	<u>\$ (3,188)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust Other Revenue  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3001  
Page 1 of 1  
Application

Line No.	Description	Total NC Retail
1		
2	Current Other Revenues (451 a/c)	\$ 6,985 [1]
3	Current Other Revenues (454 a/c)	12,506 [2]
4	Current Other Revenues (456 a/c)	98 [3]
5	Total Current Other Revenues (Sum of L2 to L4)	\$ 19,589
6		
7	Proposed Other Revenues (451 a/c)	\$ 3,839 [1]
8	Proposed Other Revenues (454 a/c)	11,496 [2]
9	Proposed Other Revenues (456 a/c)	98 [3]
10	Total Proposed Other Revenues (Sum of L7 to L9)	\$ 15,434
11		
12	Impact to revenue: 451 a/c (L7 - L2)	\$ (3,146)
13	Impact to revenue: 454 a/c (L8 - L3)	(1,010)
14	Impact to revenue: 456 a/c (L9 - L4)	0
15	Impact to revenue (Sum of L12 to L14)	\$ (4,155)
16		
17	NCUC Assessment Fee	0.1297% [4]
18	Impact to O&M - NCUC utility assessment fee (L15 x L17)	(5)
19		
20	Taxable income (L15 - L18 )	\$ (4,150)
21	Statutory tax rate	23.1693% [5]
22	Impact to income taxes (L20 x L21)	\$ (962)
23		
24	Impact to operating income (L20 - L22)	\$ (3,188)

[1] NC - 3002 NCUC Form E-1 - Item No. 42(C), sum of L1 through L5

[2] NC - 3002 NCUC Form E-1 - Item No. 42(C), sum of L6 through L7 and L25

[3] NC - 3002 NCUC Form E-1 - Item No. 42(C), sum of L11 through L24

[4] NC-0103 - NC NCUC Fee Net of deduction for uncollectible

[5] NC-0104 - 2019 Tax Rate, Line 10

Miscellaneous Revenues (Not Reported as Tariff Revenue)									
		Units	Test Year Billing Units	Current Rates @ 1/1/2018	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate	
Schedule									
1	North Carolina Service Regulations	NC Service Charge Revenue	COUNT	321,919	\$ 17.00	\$ 5,472,623	\$ 9.14	\$ 2,942,340	-46.2%
2	North Carolina Service Regulations	NC Service Charge - Landlord Revenue	COUNT	57,598	\$ 5.35	\$ 308,149	\$ 2.00	\$ 115,166	-62.6%
3	North Carolina Service Regulations	NC Reconnect Charge Revenue	COUNT	35,263	\$ 19.00	\$ 669,997	\$ 12.94	\$ 456,303	-31.9%
4	North Carolina Service Regulations	NC After Hours Reconnect Charge Revenue	COUNT	5,877	\$ 55.00	\$ 323,235	\$ 19.48	\$ 114,464	-64.6%
5	North Carolina Service Regulations	NC Returned Check Charge Revenue	COUNT	42,192	\$ 5.00	\$ 210,960	\$ 5.00	\$ 210,960	0.0%
6	North Carolina Service Regulations	NC Additional Facilities Charges (Non-Contributory)	DOLLARS	4,617,085	\$ 1.00%	\$ 4,617,085	\$ 1.00%	\$ 4,617,085	0.0%
7	North Carolina Service Regulations	NC Additional Facilities Charges (Contributory)	DOLLARS	4,040,557	\$ 0.40%	\$ 4,040,557	\$ 0.30%	\$ 3,030,418	-25.0%
8	North Carolina Service Regulations	NC Meter Test - Non-Demand	COUNT	0	\$ 40.00	\$ -	\$ 45.00	\$ -	12.5%
9	North Carolina Service Regulations	NC Meter Test - Demand or TOU	COUNT	0	\$ 50.00	\$ -	\$ 57.00	\$ -	14.0%
10	North Carolina Rider MROP	NC Premier Power Charge Revenue	DOLLARS	2,444,047	\$ 1	\$ 2,444,047	\$ 1	\$ 2,444,047	0.0%
11	North Carolina Rider MROP	Total Meter	COUNT	243	\$ 3.00	\$ 729	\$ 3.10	\$ 753	3.3%
12	North Carolina Rider MROP	Total Meter - Wireless	COUNT	120	\$ 13.20	\$ 1,584	\$ 13.20	\$ 1,584	0.0%
13	North Carolina Rider MROP	Total Meter Termination Charge	COUNT	0	\$ 50.00	\$ -	\$ 50.00	\$ -	0.0%
14	North Carolina Rider MROP	EPO - Monthly	COUNT	2,415	\$ 20.00	\$ 48,300	\$ 20.00	\$ 48,300	0.0%
15	North Carolina Rider MROP	EPO - Totalized Monthly	COUNT	0	\$ 20.00	\$ -	\$ 20.00	\$ -	0.0%
16	North Carolina Rider MROP	EPO - Daily	COUNT	2,295	\$ 20.00	\$ 45,900	\$ 20.00	\$ 45,900	0.0%
17	North Carolina Rider MROP	EPO Set-Up Charge	COUNT	9	\$ 85.00	\$ 765	\$ 85.00	\$ 765	0.0%
18	North Carolina Rider MROP	EPO Set-Up Charge - Totalized	COUNT	3	\$ 85.00	\$ 255	\$ 85.00	\$ 255	0.0%
19	North Carolina Rider MROP	Non-Standard Meter Monthly Rate	COUNT	1,455	\$ 0.33	\$ 480	\$ 0.61	\$ 888	84.8%
20	North Carolina Rider MROP	Non-Standard Meter Set-Up	COUNT	0	\$ 15.00	\$ -	\$ 16.50	\$ -	10.0%
21	North Carolina Rider MROP	Non-Standard Meter Exchange	COUNT	0	\$ 77.00	\$ -	\$ 92.00	\$ -	19.5%
22	North Carolina Rider MROP	Initial Set-Up Fee	COUNT	0	\$ 170.00	\$ -	\$ 170.00	\$ -	0.0%
23	North Carolina Rider MROP	Monthly Rate for MRM	COUNT	0	\$ 14.75	\$ -	\$ 14.75	\$ -	0.0%
24	North Carolina Rider MROP	Early Termination Charge	COUNT	0	\$ 50.00	\$ -	\$ 50.00	\$ -	0.0%
25	North Carolina Service Regulations	Light NC Additional Facilities Charges (Non-Contributory)	DOLLARS	3,848,777	\$ 1.00%	\$ 3,848,777	\$ 1.00%	\$ 3,848,777	0.0%
26									
27	Annual Revenue at Current/Proposed Rates				\$ 22,033,443	\$ 17,878,054		-18.9%	
				COS Annual Revenue	\$ 19,589,396	\$ 15,434,007		-21.2%	
				Supplemental Proforma Adjustment for Rate revisions Impacting Miscellaneous Revenues \$ (4,155,389)					

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018

NC-3100  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts other operation and maintenance expense for the impact of the change in the NCUC fee since the last rate case.

The impact to operating income is determined as follows:

The regulatory fee expense was recalculated using the base revenues subject to regulatory fee in the test period times the new rate of 0.0013 effective July 1, 2019.

Income taxes are calculated on the resulting change in operating income.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3100  
Application

Line No.	Description	Source	NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-3101	(234)
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-3101	54
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(180)
18			
19	Operating income	L4 - L17	\$ 180
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ -
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3101  
Page 1 of 1  
Application

Line No.	Description	NC Retail
1	<u>Impact to Income Statement Line Items</u>	
2	<u>Other operation and maintenance expense:</u>	
3		
4	Revenues subject to regulatory fee in the test period	\$ 2,338,771 [1]
5	Statutory regulatory fee percentage rate	0.1300% [2]
6	Amount of annualized regulatory fee (L4 x L5)	\$ 3,040
7	Amount of regulatory fee booked in test period	3,274 [1]
8	Adjustment to O&M to annualize reg fee booked in the test period (L6 - L7)	\$ (234)
9		
10	Statutory tax rate	23.1693% [3]
11	Impact to income taxes (L8 x L10)	\$ 54
12		
13	Impact to operating income (-L8 - L11)	\$ 180
14		

[1] NC-3102 - NCUC Base Rate Regulatory Fee in the Test Period

[2] NC-0103 - NCUC Statutory Regulatory Fee Percentage Rate

[3] NC-0104 - NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 1C



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3102  
Page 1 of 1  
Application

NCUC Base Rate Regulatory Fee in the Test Period

Line No.	Description	Total NC Retail	[1]	Less: Rider Revenue	[2]	Base Revenue	Reg Fee %	[3]	Reg Fee
		(a)		(b)		(c) = (a)-(b)	(d)		(e) = (a)x(d)
1									
2	<u>Impact to Income Statement Line Items</u>								
3	<u>Other operation and maintenance expense:</u>								
4	Revenues subject to regulatory fee - Q4-2017	\$ 756,721		\$ 247,029		\$ 509,693	0.1400%		\$ 714
5	Revenues subject to regulatory fee - Q1-2018	917,601		319,401		598,200	0.1400%		837
6	Revenues subject to regulatory fee - Q2-2018	821,464		281,158		540,306	0.1400%		756
7	Revenues subject to regulatory fee - Q3-2018	1,025,837		335,265		690,572	0.1400%		967
8	Revenues subject to reg fee for 2016 (Sum L4:L7)	<u>\$ 3,521,623</u>		<u>\$ 1,182,852</u>		<u>\$ 2,338,771</u>			<u>\$ 3,274</u>

[1] NC-3103 - Public Utility Regulatory Fee Reports - Revenues Subject to Regulatory Fee, Line 3 by Quarter

[2] NC-3104 - Total Billed Rider Revenue, Line 9, to exclude so as to adjust for Base Revenue fees only in this proceeding

[3] NC-3103 - Public Utility Regulatory Fee Reports - Statutory Regulatory Fee Percentage Rate, Line 4

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018

NC-3103  
Page 1 of 4  
Application

DATE: 2/9/2018  
PERIOD: Q4 2017

NCUC RF Form

STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

PUBLIC UTILITY REGULATORY FEE REPORT  
FOR THE QUARTER ENDED DECEMBER 31, 2017  
(Second Quarter of Fiscal Year 2017 - 2018)

Docket Number: E-2  
DUKE ENERGY PROGRESS, LLC  
PO Box 1551  
Raleigh, NC 27602-1551

(Please Note Any Address Corrections)

Line No.	Description	Amount
1.	Total North Carolina Jurisdictional Revenues (See User Manual Definition)	\$758,141,422.00
2.	Less revenues included on Line 1 determined to be uncollectible	\$1,420,000.00
3.	Revenues subject to regulatory fee (Line 1 minus Line 2)	\$756,721,422.00
4.	Statutory regulatory fee percentage rate	0.1400%
5.	Amount of regulatory fee due (Line 3 multiplied by Line 4)	\$1,059,409.99
6a.	ADJUSTMENT: Plus Additional Amount Due on Account	\$0.00
6b.	ADJUSTMENT: Minus Credit On Account	\$0.00
7.	FINAL AMOUNT PAID BY PAYMENT THIS QUARTER	\$1,059,409.99

CHECK NO. 1000033632

Checks should be SIGNED and made payable to N C DEPT OF COMMERCE/UTILITIES COMMISSION

## CERTIFICATION

I hereby certify that the information contained in this report is true to the best of my knowledge and belief.

Susan Eliason - Manager, Accounting

Authorized Signature and Title

Susan Eliason

Contact Person (Print Clearly)

CONTACT EMAIL ADDRESS

2/9/2018

Date

(704) 382-1061

Telephone Number

Susan.Eliason@duke-energy.com

NOTE: This report and payment of the regulatory fee are due on or before February 15, 2018

The Public Utility Regulatory Fee is imposed pursuant to N.C. General Statute 62-302

OFFICIAL COPY

Oct 30 2019

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018

NC-3103  
Page 2 of 4

DATE: 5/4/2018  
PERIOD: Q1 2018

NCUC RF Form

STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

PUBLIC UTILITY REGULATORY FEE REPORT  
FOR THE QUARTER ENDED MARCH 31, 2018  
(Third Quarter of Fiscal Year 2017 - 2018)

Docket Number: E-2  
DUKE ENERGY PROGRESS, LLC  
PO Box 1551  
Raleigh, NC 27602-1551

(Please Note Any Address Corrections)

Line No.	Description	Amount
1.	Total North Carolina Jurisdictional Revenues (See User Manual Definition)	\$918,789,980.00
2.	Less revenues included on Line 1 determined to be uncollectible	\$1,189,000.00
3.	Revenues subject to regulatory fee (Line 1 minus Line 2)	\$917,600,980.00
4.	Statutory regulatory fee percentage rate	0.1400%
5.	Amount of regulatory fee due (Line 3 multiplied by Line 4)	\$1,284,641.37
6a.	ADJUSTMENT: Plus Additional Amount Due on Account	\$0.00
6b.	ADJUSTMENT: Minus Credit On Account	\$0.00
7.	FINAL AMOUNT PAID BY PAYMENT THIS QUARTER	\$1,284,641.37

CHECK NO. 1000034507

Checks should be SIGNED and made payable to N C DEPT OF COMMERCE/UTILITIES COMMISSION

## CERTIFICATION

I hereby certify that the information contained in this report is true to the best of my knowledge and belief.

Susan Eliason - Manager, Accounting

Authorized Signature and Title

Susan Eliason

Contact Person (Print Clearly)

CONTACT EMAIL ADDRESS

5/4/2018

Date

(704) 382-1061

Telephone Number

Susan.Eliason@duke-energy.com

NOTE: This report and payment of the regulatory fee are due on or before May 15, 2018

The Public Utility Regulatory Fee is imposed pursuant to N.C. General Statute 62-302

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Oct 30 2019

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018

NC-3103  
Page 3 of 4

DATE: 8/9/2018  
PERIOD: Q2 2018

**NCUC RF FORM**

**STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH**

**PUBLIC UTILITY REGULATORY FEE REPORT  
FOR THE QUARTER ENDED June 30, 2018  
(Fourth Quarter of Fiscal Year 2017-2018)**

Docket Number: E-2  
DUKE ENERGY PROGRESS, LLC  
PO Box 1551  
Raleigh, NC 27602-1551

(Please Note Any Address Corrections)

Line No.	Description	Amount
1.	Total North Carolina Jurisdictional Revenues (See User Manual Definition)	\$ \$ 823,684,616.00
2.	Less revenues included on Line 1 determined to be uncollectible	\$ \$ 2,220,732.00
3.	Revenues subject to regulatory fee (Line 1 minus Line2)	\$ \$ 821,463,884.00
4.	Statutory regulatory fee percentage rate	0.00140
5.	Amount of regulatory fee due (Line 3 multiplied by Line 4)	\$ \$ 1,150,049.45
6a.	ADJUSTMENT: Plus Additional Amount Due on Account	\$ \$ -
6b.	ADJUSTMENT: Minus Credit on Account	\$ \$ -
7	FINAL AMOUNT PAID BY PAYMENT THIS QUARTER	\$ \$ 1,150,049.45

**CHECK NO. 1000167296**

Checks should be SIGNED and made payable to NC Dept of Commerce/Utilities Commission.

**CERTIFICATION**

I hereby certify that the information contained in this report is true to the best of my knowledge and belief.

\_\_\_\_\_  
Authorized Signature and Title

\_\_\_\_\_  
Date

Michael O'Hara  
\_\_\_\_\_  
Contact Person (Please Print Clearly)

(704) 382-7110  
\_\_\_\_\_  
Telephone Number

**CONTACT EMAIL ADDRESS**

\_\_\_\_\_  
Michael.Ohara@duke-energy.com

Note: This report and payment of the regulatory fees are due on or before August 15, 2018.

**The Public Utility Regulatory Fee is imposed pursuant to N.C. General Statute 62-302.**

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018

NC-3103  
Page 4 of 4

DATE: 11/9/2018  
PERIOD: Q3 2018

**NCUC RF FORM**

**STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH**

**PUBLIC UTILITY REGULATORY FEE REPORT  
FOR THE QUARTER ENDED September 30, 2018  
(First Quarter of Fiscal Year 2018-2019)**

Docket Number: E-2  
DUKE ENERGY PROGRESS, LLC  
PO Box 1551  
Raleigh, NC 27602-1551

(Please Note Any Address Corrections)

Line No.	Description	Amount
1.	Total North Carolina Jurisdictional Revenues (See User Manual Definition)	\$ \$ 1,027,874,725.00
2.	Less revenues included on Line 1 determined to be uncollectible	\$ \$ 2,037,961.00
3.	Revenues subject to regulatory fee (Line 1 minus Line2)	\$ \$ 1,025,836,764.00
4.	Statutory regulatory fee percentage rate	0.00140
5.	Amount of regulatory fee due (Line 3 multiplied by Line 4)	\$ \$ 1,436,171.47
6a.	ADJUSTMENT: Plus Additional Amount Due on Account	\$ \$ -
6b.	ADJUSTMENT: Minus Credit on Account	\$ \$ -
7	FINAL AMOUNT PAID BY PAYMENT THIS QUARTER	\$ \$ 1,436,171.47

CHECK #: \_\_\_\_\_

Checks should be SIGNED and made payable to NC Dept of Commerce/Utilities Commission.

**CERTIFICATION**

I hereby certify that the information contained in this report is true to the best of my knowledge and belief.

\_\_\_\_\_  
Authorized Signature and Title

\_\_\_\_\_  
Date

Michael O'Hara  
Contact Person (Please Print Clearly)

(704) 382-7110  
Telephone Number

**CONTACT EMAIL ADDRESS**

[Michael.Ohara@duke-energy.com](mailto:Michael.Ohara@duke-energy.com)

Note: This report and payment of the regulatory fees are due on or before November 15, 2018.

The Public Utility Regulatory Fee is imposed pursuant to N.C. General Statute 62-302.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for change in NCUC regulatory fee  
For the test period ended December 31, 2018

NC-3104  
Page 1 of 1  
Application

Rider Revenues

Line No.	Description						
1							
2	<u>Fuel Rider Revenue</u>	[1]	<u>Q4 2017</u>	<u>Q1 2018</u>	<u>Q2 2018</u>	<u>Q3 2018</u>	<u>Total</u>
3							
4	EE/DSM/DSDR Rider	\$	41,512,970	\$ 46,592,832	\$ 36,655,357	\$ 45,316,508	\$ 170,077,666
5	JAAR		23,084,904	43,052,712	37,163,196	43,097,998	146,398,810
6	REPS		10,472,474	6,012,280	6,016,052	6,029,439	28,530,245
7	Fuel Increment/Decrement & EMF		171,958,413	223,742,836	201,323,007	240,820,724	837,844,980
8	Total Rider Revenue for exclusion	\$	247,028,761	\$ 319,400,659	\$ 281,157,612	\$ 335,264,668	\$ 1,182,851,701

[1] Duke Energy Progress Accounting



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Reflect retirement of Asheville Steam Electric Generating Plant  
For the test period ended December 31, 2018

NC-3200  
Narrative

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expenses, income taxes, depreciation and amortization expense, electric plant in service and accumulated depreciation associated with the retirement of the Asheville Steam Electric Generating Plant in January 2020. It also adjusts for the regulatory asset established as a result of the early retirement, which was originally planned for December 2027.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Reflect retirement of Asheville Steam Electric Generating Plant  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3200

Line No.	Description	Source	Total NC Retail
1			
2	<b><u>Pro Formas Impacting Income Statement Line Items</u></b>		
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-3201	(6,413)
11	Depreciation and amortization	NC-3201	(181)
12	General taxes	NC-3201	(1,032)
13	Interest on customer deposits		-
14	Income taxes	NC-3201	1,767
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	(5,859)
18			
19	Operating income	L4 - L17	\$ 5,859
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<b><u>Pro Formas Impacting Rate Base Line Items</u></b>		
27			
28	Electric plant in service	NC-3201	\$ (287,052)
29	Accumulated depreciation and amortization	NC-3201	210,671
30	Electric plant in service, net	Sum L28 through L29	(76,381)
31			
32	Add:		
33	Materials and supplies		(7,002)
34	Working capital investment		65,929
35			-
36			
37	Less:		
38	Accumulated deferred taxes		(15,275)
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	\$ (32,730)
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Reflect retirement of Asheville Steam Electric Generating Plant  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3201  
Page 1 of 1

Line No.	Description	Total System	NC Retail Allocation	Total NC Retail
1	Remove Direct O&M - Demand Related	\$ (2,423) [1]	61.5278% [2]	\$ (1,491) [1]
2	Remove Direct O&M - Energy Related	(8,055) [1]	61.1093% [5]	(4,923) [1]
3	Impact to O&M (L1 + L2)	<u>\$ (10,478)</u>		<u>\$ (6,413)</u>
4				
5	Remove Deprecia ion related to Asheville Steam Electric Generating Plant	\$ (17,212) [3]	61.5278% [2]	\$ (10,590)
6	Amortize retired Asheville Steam Electric Generating Plant	16,919 [4]	61.5278% [2]	10,410
7	Impact to Depreciation and Amortization (L5 + L6)	<u>\$ (294)</u>		<u>\$ (181)</u>
8				
9	Remove Property Taxes	\$ (1,678) [3]	61.5278% [2]	\$ (1,032)
10	Impact to general taxes (L9)	<u>\$ (1,678)</u>		<u>\$ (1,032)</u>
11				
12	Statutory tax rate	23.1693% [6]		23.1693% [6]
13	Impact to income taxes $-(L3 + L7 + L10) \times L12$	<u>\$ 2,884</u>		<u>\$ 1,767</u>
14				
15	Impact to operating income $-(L3 - L7 - L10 - L13)$	<u><u>\$ 9,565</u></u>		<u><u>\$ 5,859</u></u>
16				
17	<u>Rate Base investment:</u>			
18	Remove Asheville Steam Electric Plant in Service	\$ (466,541) [3]	61.5278% [2]	\$ (287,052)
19	Remove Total Asheville Steam Electric Generating Plant Electric Plant in Service (L18)	<u>\$ (466,541)</u>		<u>\$ (287,052)</u>
20				
21	Remove Asheville Steam Electric Generating Plant Accumulated Depreciation	\$ 342,400 [3]	61.5278% [2]	\$ 210,671
22	Remove Total Asheville Steam Electric Generating Plant Accumulated Deprecia ion (L21 )	<u>\$ 342,400</u>		<u>\$ 210,671</u>
23				
24	Impact to net plant investment (L19 + L22)	<u>\$ (124,141)</u>		<u>\$ (76,381)</u>
25				
26	Remove Asheville Steam Electric Generating Plant Inventory balance at 12/31/2018	\$ (10,310) [7]	67.9178% [8]	\$ (7,002)
27	Impact to materials and supplies (L26)	<u>\$ (10,310)</u>		<u>\$ (7,002)</u>
28				
29	Regulatory Asset - Retired Asheville Steam Electric Generating Plant	\$ 107,153 [4]	61.5278% [2]	\$ 65,929
30	Impact to working capital investment (L29)	<u>\$ 107,153</u>		<u>\$ 65,929</u>
31				
32	Deferred tax rate	23.1693% [6]		23.1693% [6]
33	Impact to accumulated deferred income tax $-(L30 \times L32)$	<u>\$ (24,827)</u>		<u>\$ (15,275)</u>
34				
35	Impact to rate base $(L30 + L27 + L24 + L33)$	<u><u>\$ (52,124)</u></u>		<u><u>\$ (32,730)</u></u>

[1] NC-3202 - Asheville Steam Electric Generating Plant Operating and Maintenance Expenses

[2] NC Retail Allocation Factor - DPALL

[3] NC-3203 - Asheville Steam Electric Generating Plant Asset Impacts in Proformas and the Test Year

[4] NC-3205 - Retired Asheville Steam Electric Generating Plant Regulatory Asset Amor ization

[5] NC Retail Allocation Factor - E1ALL

[6] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

[7] Provided by Duke Energy Progress - Asset Accounting

[8] NC Retail Allocation Factor - PTDG

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Oct 30 2019

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Reflect retirement of Asheville Steam Electric Generating Plant  
For the test period ended December 31, 2018

NC-3202  
Page 1 of 1

Asheville Steam Electric Generating Plant Operating and Maintenance Expenses - For the 12 months ended December 31, 2018

Line		2018	
No.	Account	Asheville Coal	[3]
1	0500000 - Supervsn and Engrng - Steam Oper	345,452	DPALL
2	0500100 - Fossil Oper Superv&Engineer-Re	6,974	DPALL
3	0501150 - Coal & Other Fuel Handling	131,152	E1ALL
4	0501190 - Sale Of Fly Ash-Expenses	660,436	E1ALL
5	0502082 - Re-emission Chem Exp - Reagent	20,217	E1ALL
6	0502100 - Fossil Steam Exp-Other	994,055	DPALL
7	0505000 - Fossil Steam Exp-Other	(1,005)	DPALL
8	0506000 - Fossil Steam Exp-Other	1,077,141	DPALL
9	0507000 - Steam Power Gen-Op Rents	29	DPALL
10	0510000 - Suprvsn and Engrng-Steam Maint	129,357	E1ALL
11	0510100 - Suprvsn & Engrng-Steam Maint R	15,262	E1ALL
12	0511000 - Maint Of Structures-Steam	1,511,338	E1ALL
13	0512100 - Maint Of Boiler Plant-Other	3,320,486	E1ALL
14	0513100 - Maint Of Electric Plant-Other	744,459	E1ALL
15	0514000 - Maintenance - Misc Steam Plant	1,521,659	E1ALL
16	0514300 - Maintenance - Misc Steam Plant	250	E1ALL
17	0569200 - Maint Of Computer Software	12	DTALL
18	0570100 - Maint Stat Equip-Other- Trans	780	DTALL
19	0588100 - Misc Distribution Exp-Other	1	RB_PLT_O_DI_
20	Sum:	10,478,055	[1]

[1] Direct Operation and Maintenance expenses provided by Regulated Utility Finance

[2] NC Retail Allocation factor to NC-3201

[3] Excludes O&M accounts recovered through fuel clause: 0501180, 0502030, 0502040, 0502070 and 0502080

Duke Energy Progress, LLC  
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Reflect retirement of Asheville Steam Electric Generating Plant  
For the test period ended December 31, 2018  
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Asheville Steam Electric Generating Plant Asset Impacts in Proformas and the Test Year

Line No.	Description	Plant in Service 12/31/2018	Calculated Annual Accrual	Actual 12ME Dep'r Booked	Difference
1	<u>Impact to Income Statement Line Items</u>				
2	Steam Production Plant	\$ 462,659 [1]	\$ 15,551 [1]	\$ 13,843 [1]	\$ 1,708
3	Balance in Plant in Service related to Asheville Steam Electric Generating Plant retirement (L2)	\$ 462,659	\$ 15,551	\$ 13,843	\$ 1,708
4	Impact of Asheville Steam Electric Generating Plant retirement to depreciation expense in NC-0802 (L3)				\$ 1,708
5					
6					
7					
8					
9					
10	TOTAL STEAM PRODUCTION PLANT (311-316)	462,659 [1]	15,551 [1]	17,069 [1]	1,519
11	Balance in Plant in Service related to Asheville Steam Electric Generating Plant retirement (L10)	\$ 462,659	\$ 15,551	\$ 17,069	\$ 1,519
12	Impact of retirement of Asheville Steam Electric Generating assets to depreciation expense in NC-2602 (L11)				\$ 1,519
13					
14					
15					
16					
17					
18	Electric Plant in Service - Steam Production Balances	Forecasted Net Change through 02/29/2019		Proposed Rate 3.69% [3]	Depr. Exp. 143
19	Impact of Asheville Steam Electric Generating Plant retirement to depreciation expense in NC-1001 (L18)	\$ 3,882 [2]			\$ 143
20					
21	Actual Depreciation Expense booked in 2018 for Asheville Steam Electric Generating Plant				\$ 13,843 [1]
22					
23	Impact to depreciation and amortization (L4 + L12 + L19 + L21)				<u>\$ 17,212</u>
24					
25					
26	12/31/2017 System Balances Subject to Property Tax	State - NC \$ 29,182,104 [4]	State - SC \$26,114,764 [4]		Total
27	2018 Property Tax Expense Paid	64,633 [4]	36,850 [4]		
28	Average Property Tax Rate (L27 / L26)	0.22148%	0.14111%		
29					
30	Asheville Steam Electric Generating Plant in Service Balance at 12/31/2017	\$ 461,159 [2]	\$ 461,159 [2]		
31	2017 Percent of Asheville Steam Electric Generating Plant of System Balances Subject to Property Tax (L30 / L26)	1.5803%	1.7659%		
32	2018 Property Tax Expense Paid - Allocated to Asheville Steam Electric Generating Plant (L27 x L31)	\$ 1,021	\$ 651		\$ 1,672
33					
34	12/31/2018 System Balances Subject to Property Tax	\$ 30,893,953 [4]	\$27,668,026 [4]		
35	Annualized Property Tax Expense (L28 x L34)	68,425	39,042		
36					
37	Asheville Steam Electric Generating Plant in Service Balance at 12/31/2018	\$ 462,659 [2]	\$ 462,659 [2]		
38	2018 Percent of Asheville Steam Electric Generating Plant of System Balances Subject to Property Tax (L37 / L34)	1.49757%	1.67218%		
39	Annualized Property Tax Expense - Allocated to Asheville Steam Electric Generating Plant (L35 x L38)	1,025	653		
40					
41	Property Tax Expense Adjustment - Allocated to Asheville Steam Electric Generating Plant (L39 - L32)	\$ 3	\$ 2		\$ 5
42	Impact of Asheville Steam Electric Generating Plant assets to property tax in NC-0901 (L41)				\$ 5
43					
44	Impact to general taxes (L32 + L41)				<u>\$ 1,678</u>

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Asheville Steam Electric Generating Plant Asset Impacts in Proformas and the Test Year

Line No.	Description	Forecasted Net Change through 2/29/2020	Actual Balance at 12/31/2018	Adjustment Amount
45	Impact to Rate Base Line Items			
46	Electric Plant in Service - Steam Production Balances	\$ 3,882 [2]		\$ 3,882
47	Impact of Asheville Steam Electric Generating Plant retirement to electric plant in service in NC--1002 (L46)	\$ 3,882		\$ 3,882
48				
49	Plant in Service balance for the Asheville Steam Electric Generating Plant		\$ 462,659 [2]	\$ 462,659
50				\$ 466,541
51	Impact to electric plant in service (L47 + L49)			\$ (18,903)
52				
53	Accumulated Depreciation - Steam Balances	\$ (18,903) [2]		\$ (18,903)
54	Impact of Asheville Steam Electric Generating Plant retirement to accumulated depreciation in NC--1003 (L53)	\$ (18,903)		\$ (18,903)
55				
56	Accumulated Depreciation balance for the retired Asheville Steam Electric Generating Plant		\$ (322,527) [2]	\$ (322,527)
57				
58				
59				
60				
61	Balance in Plant in Service related to Asheville Steam Electric Generating Plant retirement (L60)	Forecasted Plant in Service 2/29/2020 \$ 466,541 [5]	Current Rate 2.99% [6] \$ 13,959	Forecasted 12ME Dep'r Booked 14,929 [2] \$ 14,929
62	Balance in Plant in Service related to Asheville Steam Electric Generating Plant retirement (L61)			Difference \$ (970)
63	Impact of Asheville Steam Electric Generating Plant retirement to accumulated depreciation in NC--1007 (L62)			\$ (970)
64				
65	Impact to accumulated depreciation (L54 + L56 + L63)			\$ (342,400)
66				
67	Total net plant (L51 + L65)			\$ 124,141

[1] Provided by Duke Energy Progress - Asset Accounting

[2] NC-3204 - Asheville Steam Electric Generating Plant - Balances

[3] Represents proposed new depreciation rates as of December 31, 2018 test period in the DEP depreciation study.

[4] NC-0901 - Annualize property taxes on year end plant balances

[5] Forecasted Plant in Service amounts provided by Duke Energy Progress - Asset Accounting

[6] Calculated current rate based on the Calculated Annual Accrual amount divided by the Plant in Service at 12/31/2018 in Line 2



Duke Energy Progress, LLC  
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(Dollars in thousands)

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Asheville Steam Electric Generating Plant - Balances

Line No.	Description	ACTUALS		FORECAST		Net Change d = c - b
		Dec 2017 [1]	Dec 2018 [1]	Feb 2020 [2]		
		a	b	c		
1	<u>Electric Plant in Service - Balances</u>					
2	<u>Steam Production:</u>					
3	Asheville Steam Electric Generating Plant	\$ 461,159	\$ 462,659	\$ 466,541	\$ 3,882	
4	Steam Production Total (Sum L4 )	\$ 461,159	\$ 462,659	\$ 466,541	\$ 3,882	
5						
6	Balance in Plant in Service related to Asheville Steam Electric Generating Plant retirement (L5)	\$ 461,159	\$ 462,659	\$ 466,541	\$ 3,882	
7						
8	<u>Accumulated Depreciation - Balances</u>					
9	<u>Steam Production:</u>					
10	Asheville Steam Electric Generating Plant - Life reserve	\$ (314,952)	\$ (332,368)	\$ (17,417)		
11	Asheville Steam Electric Generating Plant - COR reserve	(7,575)	(9,062)	(1,487)		
12	Steam Production Total (Sum L11 )	\$ (322,527)	\$ (341,430)	\$ (18,903)		
13						
14	Balance in Accumulated Depreciation related to Asheville Steam Electric Generating Plant retirement (L13)	\$ (322,527)	\$ (341,430)	\$ (18,903)		
15						
16	<u>Depreciation Expense - Forecasted 12 Months Activity as of February 29, 2020</u>					
17	<u>Steam Production:</u>					
18	Asheville Steam Electric Generating Plant (-L11 col. d x 12/14)			\$ 14,929		
19	Steam Production Total			\$ 14,929		
20						
21	Depreciation Expense related to Asheville Steam Electric Generating Plant retirement			\$ 14,929		
22						

[1] Provided by Duke Energy Progress - Asset Accounting

[2] Plant in service related to Asheville Steam Electric Generating plant will be retired and reclassified to a regulatory asset in January 2020

Duke Energy Progress, LLC  
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Reflect retirement of Asheville Steam Electric Generating Plant  
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NC-3205  
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Retired Asheville Steam Electric Generating Plant Regulatory Asset Amortization

Line No.	Description	Total Carolinas	NC Retail Allocation	Total NC Retail
1	<u>Impact to Income Statement Line Items</u>			
2	Projected August 31, 2020 retired Asheville plant regulatory asset balance	\$ 124,072 [1]	61.5278% [2]	\$ 76,339
3	Years to amortize	<u>7</u>		<u>7</u>
4	Impact to depreciation and amortization (L2 / L3)	\$ 16,919		\$ 10,410
5				
6	Statutory tax rate	23.3503% [3]		23.3503% [3]
7	Impact to income taxes (-L4 x L6)	\$ (3,951)		\$ (2,431)
8				
9	Impact to operating income (-L4 - L7)	<u>\$ (12,968)</u>		<u>\$ (7,979)</u>
10				
11	<u>Impact to Rate Base Line Items</u>			
12	Projected August 31, 2020 retired Asheville plant regulatory asset balance (L2)	\$ 124,072		\$ 76,339
13	Less: 1st year amortization (-L4)	<u>(16,919)</u>		<u>(10,410)</u>
14	Projected deferral balance for rate base (L12 + L13)	\$ 107,153		\$65,929
15				
16	Impact to working capital investment (L14 )	<u>\$ 107,153</u>		<u>\$65,929</u>
17				
18	Deferred tax rate	23.3503% [3]		23.3503% [3]
19	Impact to accumulated deferred income tax (-L16 x L18)	<u>\$ (25,020)</u>		<u>\$ (15,395)</u>
20				
21	Impact to rate base (L16 + L19)	<u><u>82,132</u></u>		<u><u>50,534</u></u>

[1] NC-3206 - Retired Asheville Steam Electric Generating Plant Regulatory Asset Amortization Schedule at 8/31/2020, Line 7

[2] NC Retail Allocation Factor - DPALL

[3] Should be 23.1693% per NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10. To update in Supplemental f

Duke Energy Progress, LLC  
 Docket No. E-2, Sub 1219  
 Reflect retirement of Asheville Steam Electric Generating Plant  
 For the test period ended December 31, 2018  
 (Dollars in thousands)

NC-3206  
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Retired Asheville Steam Electric Generating Plant Regulatory Asset Amortization Schedule

Line No.		Beginning Balance	Monthly Amortization		Ending Balance
			Expense		
1	2/1/2020	\$ 135,421 [1]	\$ (1,621) [2]	\$	133,799
2	3/1/2020	133,799	(1,621)		132,178
3	4/1/2020	132,178	(1,621)		130,557
4	5/1/2020	130,557	(1,621)		128,936
5	6/1/2020	128,936	(1,621)		127,314
6	7/1/2020	127,314	(1,621)		125,693
7	8/1/2020	125,693	(1,621)		124,072

[1] NC-3207, Line 6

[2] NC-3207, Line 15

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Reflect retirement of Asheville Steam Electric Generating Plant  
For the test period ended December 31, 2018

NC-3207  
Page 1 of 1

Retired Asheville Steam Electric Generating Plant Regulatory Asset Schedule and Amortization Calculation

<u>Line No.</u>	<u>Description</u>	<u>Total</u>
1	<u>Calculation of Net Book Value of Asheville Steam Electric Generating Plant at retirement, 1/31/2020</u>	
2	Electric Plant in Service balance at retirement date, 1/31/2020	\$ 466,540,984 [1]
3	Accumulated Depreciation balance at retirement date, 1/31/2020	(332,368,493) [1]
4	Materials and Supplies Inventory at retirement, 1/31/2020	10,310,086 [1]
5	COR Reserve balance at retirement, 1/31/20	(9,061,830) [1]
6	Net Book Value of Asheville Steam Electric Generating Plant at retirement, 1/31/2020 (L2 + L3 + L4 + L5)	<u>\$ 135,420,747</u>
7		
8	<u>Calculation of monthly amortization of Asheville Steam Electric Generating Plant at retirement, 1/31/2020</u>	
9	Life Net Book Value to be recovered (L2 + L3 + L4)	\$ 144,482,577
10	Remaining COR to be recovered after retirement of plant	9,538,170 [2]
11	Total to be recovered for Asheville Steam Electric Generating Plant at end of amortization period (L9 + L10)	<u>\$ 154,020,747</u>
12		
13	Monthly Amortization expense, Life Net Book Value (L9 /95 months)	\$ (1,520,869) [3]
14	Monthly Amortization expense, COR (L10 /95 months)	(100,402) [3]
15	Total monthly amortization expense	<u><u>\$ (1,621,271)</u></u>

[1] Provided by Duke Energy Progress Asset Accounting - estimated net book value of Asheville Steam Electric Generating plant at retirement date, 1/31/2020 (excludes Land and General plant)

[2] Represents the most recent dismantlement study estimate of \$18.6 million, less the COR Reserve balance at the date of retirement, Line 5.

[3] Monthly amortization begin date February 1, 2020 through original retirement date December 31, 2027 = 95 months

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust for CertainTEED payment obligation  
For the test period ended December 31, 2018

NC-3300  
Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts operation and maintenance expense to account for the CertainTEED payment obligation.

The impact to operations and maintenance expense was determined by a payment schedule defined in a confidential settlement agreement with CertainTEED Gypsum NC, Inc. (CTG) effective October 1, 2018. Under the agreement annual payments are to be made by DEP starting in 2018 through 2029 for a total of \$88.9M on a system basis. The amount is allocated to NC Retail based on the energy allocation factor, and recovered over an 11-year period to align with the payment period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

Duke Energy Progress, LLC

NC-3300

Docket No. E-2, Sub 1219

Adjust for Certain Teed payment obligation

For the test period ended December 31, 2018

(Dollars in thousands)

Line No.	Description	Source	Total NC Retail
<b><u>Pro Formas Impacting Income Statement Line Items</u></b>			
1			
2			
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		-
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-3301	4,939
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-3301	(1,144)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	3,794
18			
19	Operating income	L4 - L17	<u>\$ (3,794)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26			
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ -</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		



Duke Energy Progress, LLC  
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Adjust for Certain Teed payment obligation  
For the test period ended December 31, 2018  
(Dollars in thousands)

Line		Total System	NC Retail Allocation	NC Retail
No.	Description			
1				
2	Actual Payments Made in 2018	\$ 2,100 [1]		
3	Remaining Contracted Payment Obligation (2019 - 2029)	86,800 [1]		
4	Total Contractual Payments (L2 + L3)	\$ 88,900	61.1093% [2]	\$ 54,326
5	Number of Years over which to recover (2019 - 2029)			11 [1]
6	Impact to O&M (L4 / L5)			\$ 4,939
7				
8	Statutory tax rate			23.1693% [3]
9	Impact to income taxes (-L6 x L8)			\$ (1,144)
10				
11	Impact to operating income (-L6 - L9)			\$ (3,794)

[1] From Settlement Agreement with CertainTeed Gypsum NC, Inc (CTG)

[2] NC Retail Allocation Factor - E1AII

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018

NC-3400  
Narrative

Detailed Narrative Explanation of Adjustment

This pro forma adjusts depreciation expense and income taxes for the amortization of deferred costs related to Asheville Combined Cycle. The Company is seeking a deferral of depreciation, property taxes, incremental O&M and return associated with the Asheville Combined Cycle from the date the plant is estimated to go into operation, December 2019, until rates are effective in September 2020.

The impact to operating income was determined as follows:

The impact to depreciation expense reflects an annual level of amortization of deferred costs related to Asheville Combined Cycle, including a return on investment. Deferred costs are being amortized over a three year period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.

The impact to rate base was determined as follows:

The impact to working capital is determined by including the regulatory asset balance in rate base and offsetting it with one year of amortization. In addition, the asset is offset by associated ADIT.

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3400

Line No.	Description	Source	Total NC Retail
<b><u>Pro Formas Impacting Income Statement Line Items</u></b>			
1			
2			
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		-
8	Fuel used in electric generation		-
9	Purchased power		-
10	Other operation and maintenance expense	NC-3401	6,109
11	Depreciation and amortization	NC-3401	13,594
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes	NC-3401	(4,565)
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	15,138
18			
19	Operating income	L4 - L17	<u>\$ (15,138)</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26			
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	-
31			
32	Add:		
33	Materials and supplies	NC-3401	3,735
34	Working capital investment	NC-3401	27,188
35			
36			
37	Less:		
38	Accumulated deferred taxes	NC-3401	(6,299)
39	Operating reserves		-
40			
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ 24,624</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

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NC-3401  
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Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

Line No.	Description	Total NC Retail
1	<u>Impact to Income Statement Line Items</u>	
2	Average Annual Combined Cycle O&M	\$ 6,109 [1]
3	Impact to O&M (L2)	\$ 6,109
4		
5	Balance for amortization	\$ 40,781 [2]
6	Years to amortize	3
7	Impact to depreciation and amortization (L5 / L6)	\$ 13,594
8		
9	Statutory tax rate	23.1693% [3]
10	Impact to income taxes $(-(L3 + L7) \times L9)$	\$ (4,565)
11		
12	Impact to operating income $(-L3 - L7 - L10)$	\$ (15,138)
13		
14		
15	<u>Impact to Rate Base Line Items</u>	
16	Estimated level of inventory at Asheville CC at operational date	\$ 3,735 [1]
17	Impact to materials and supplies (L16)	\$ 3,735
18		
19	Regulatory asset at Sep 1, 2020 (L5)	\$ 40,781
20	Less first year of amortization $(-L7)$	(13,594)
21	Impact to working capital investment (Sum L19 through L20)	\$ 27,188
22		
23	Deferred tax rate	23.1693% [3]
24	Impact to accumulated deferred income tax $(-L21 \times L23)$	\$ (6,299)
25		
26	Impact to rate base $(L17 + L21 + L24)$	\$ 24,624

[1] NC-3406 Asheville Combined Cycle - Average O&M and Inventory Balances

[2] NC-3402 - Expected Balance of Deferred Costs at September 1, 2020 - Asheville Combined Cycle - NC Retail

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
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NC-3402  
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Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

Expected Balance of Deferred Costs at September 1, 2020 - Asheville Combined Cycle - NC Retail

Line No.	Description	Other		Total
		Production [1]	Transmission [2]	NC Retail
1	Deferred Cost of Capital	\$ 20,533	\$ 501	\$ 21,034 [1]
2	Deferred Depreciation	12,742	99	12,841 [1]
3	Deferred O&M Expense	4,582	-	4,582 [1]
4	Deferred Property Tax Expense	1,266	21	1,287 [1]
5	After-Tax Return on Deferred Expenses	1,021	17	1,037 [1]
6	Total expected deferral balance in Regulatory Asset (Sum L1 through L5)	\$ 40,143	\$ 638	\$ 40,781

[1] NC-3403 - Asheville Combined Cycle Deferral Calculation -Defer From In Service Date to Rates Effective Date - Other  
Production - NC Retail, Line 13

[2] NC-3404 - Asheville Combined Cycle Deferral Calculation -Defer From In Service Date to Rates Effective Date -  
Transmission - NC Retail, Line 13

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Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3403  
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Asheville Combined Cycle Deferral Calculation - Defer From In Service Date to Rates Effective Date - Other Production - NC Rate

Line No.	Description	Plant Bal [1]	ADIT Bal [2]	Average Inventory Bal [3]	Accumulated Depreciation	Remove CWP in Rate Base [4]	Rate Base	Deferred Cost of Capital 2019 2020 Total	Deferred Depreciation 2019 2020 Total	Deferred O&M Expense [5] 2019 2020 Total
1										
2	Plant in Service Dec 2019 costs	463,991	(43,001)	3,735	-	(102,930)	321,795	2,318	2,318	509
3	Jan 2020 costs	464,494	(43,048)	3,735	(1,588)	(102,930)	320,663	2,310	2,310	509
4	Feb 2020 costs	465,730	(43,163)	3,735	(3,178)	(102,930)	320,195	2,307	2,307	509
5	Mar 2020 costs	465,730	(43,163)	3,735	(4,772)	(102,930)	318,601	2,295	2,295	509
6	Apr 2020 costs	465,730	(43,163)	3,735	(6,366)	(102,930)	317,007	2,284	2,284	509
7	May 2020 costs	465,730	(43,163)	3,735	(7,960)	(102,930)	315,413	2,272	2,272	509
8	Jun 2020 costs	465,730	(43,163)	3,735	(9,554)	(102,930)	313,819	2,261	2,261	509
9	Jul 2020 costs	465,730	(43,163)	3,735	(11,148)	(102,930)	312,225	2,249	2,249	509
10	Aug 2020 costs	465,730	(43,163)	3,735	(12,742)	(102,930)	310,631	2,238	2,238	509
11										
12	Total Costs Through Aug 31, 2020							2,318	18,215	20,533
13										
14										
15	Cost of Capital [8]:									
16	Assumed Capital Structure:									
17	Long-Term Debt									
18	Common Equity									
19										
20	Cost Rates:									
21	Long-Term Debt									
22	Common Equity									
23										
24	Cost Components:									
25	Long-Term Debt									
26	Common Equity									
27	Rate									
28										
29	Depreciation Rates:									
30	Book depreciation rate - Other Production - Asheville CC									
31	Average Property Tax Rate									
32	Deferred tax rate									

Alter-Tax Equity	Tax Rate	Pre-Tax Equity
48.00%		
52.00%		
4.05%	23.1693%	4.0500%
9.90%		12.8855%
13.95%		16.9355%
1.9440%	23.1693%	1.9440%
5.1480%		6.7004%
7.0920%		8.6444%
		22.4884%
		77.5116%
		100.0000%

4.11%	[10]
0.3626%	[9]
23.1693%	[7]



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3403  
Page 2 of 2

**Asheville Combined Cycle Deferral Calculation -Deter From In Service Date to Rates Effective Date - Other Production - NC Retail**

Line No.	Description	Deferred Property Tax Expense [6]			After-Tax Return on Deferred Expenses			Deferred Total		
		2019	2020	Total	2019	2020	Total	2019	2020	Total
1										
2	Plant in Service Dec 2019 costs	140		140	9		9	2,976		2,976
3	Jan 2020 costs		140	140		31	31	4,579	4,579	4,579
4	Feb 2020 costs		141	141		58	58	4,604	4,604	4,604
5	Mar 2020 costs		141	141		85	85	4,624	4,624	4,624
6	Apr 2020 costs		141	141		113	113	4,640	4,640	4,640
7	May 2020 costs		141	141		140	140	4,656	4,656	4,656
8	Jun 2020 costs		141	141		167	167	4,672	4,672	4,672
9	Jul 2020 costs		141	141		195	195	4,688	4,688	4,688
10	Aug 2020 costs		141	141		223	223	4,704	4,704	4,704
11										
12	Total Costs Through Aug 31, 2020	140	1,125	1,266	9	1,012	1,021	2,976	37,167	40,143
13										
14										
15	Cost of Capital [8]:									
16	Assumed Capital Structure:									
17	Long-Term Debt									
18	Common Equity									
19										
20	Cost Rates:									
21	Long-Term Debt									
22	Common Equity									
23										
24	Cost Components:									
25	Long-Term Debt									
26	Common Equity									
27	Rate									
28										
29	Depreciation Rates:									
30	Book depreciation rate - Other Production - Asheville CC									
31	Average Property Tax Rate									
32	Deferred tax rate									

- [1] NC-3405 - Asheville Combined Cycle - Plant in Service - Costs by Month  
[2] Other Production additions that qualify for bonus depreciation multiplied by 40% and then the deferred tax rate on Line 32  
[3] NC-3406 - Asheville Combined Cycle - Average O&M and Inventory Balances, Line 13  
[4] NC-1011 - Adjust for Asheville base load CWP - Docket No. E-2, Sub 1142  
[5] NC-3406 - Asheville Combined Cycle - Average O&M and Inventory Balances, Line 10/12  
[6] Plant Balance column divided by 12 months multiplied by Line 31.  
[7] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10  
[8] Cost of capital rates from Docket No. E-2, Sub 1142  
[9] NC-0901 - Annualize property taxes on year end plant balances - Average property tax rate-Combined NC and SC  
[10] Asheville CC composite depreciation rate provided by Asset Accounting  
[11] Adjusted to reflect a rates effective date of Sep 1, 2020

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

Asheville Combined Cycle Deferral Calculation - Defer From In Service Date to Rates Effective Date - Transmission - NC Retail

Line No.	Description	Plant Bal [1]	ADIT Bal [2]	Average Inventory Bal [3]	Accumulated Depreciation	Remove CWP in Rate Base	Rate Base	Deferred Cost of Capital 2019	2020	Total	Deferred Depreciation 2019	2020	Total	Deferred O&M Expense [4] 2019	2020	Total
1																
2	Plant in Service Dec 2019 costs	7,842	(68)	-	-	-	7,774	56	56	56	12	12	-	-	-	-
3	Jan 2020 costs	7,842	(68)	-	(12)	-	7,61		56	56				-	-	-
4	Feb 2020 costs	7,842	(68)	-	(25)	-	7,749		56	56	12	12		-	-	-
5	Mar 2020 costs	7,842	(68)	-	(37)	-	7,736		56	56	12	12		-	-	-
6	Apr 2020 costs	7,842	(68)	-	(50)	-	7,724		56	56	12	12		-	-	-
7	May 2020 costs	7,842	(68)	-	(62)	-	7,712		56	56	12	12		-	-	-
8	Jun 2020 costs	7,842	(68)	-	(74)	-	7,699		55	55	12	12		-	-	-
9	Jul 2020 costs	7,842	(68)	-	(87)	-	7,687		55	55	12	12		-	-	-
10	Aug 2020 costs	7,842	(68)	-	(99)	-	7,674		55	55	12	12		-	-	-
11								56	445	501	-	99	99	-	-	-
12	Total Costs Through Aug 31, 2020															
13																
14																
15	Cost of Capital [7]:															
16	Assumed Capital Structure:															
17	Long-Term Debt															
18	Common Equity															
19																
20	Cost Rates:															
21	Long-Term Debt															
22	Common Equity															
23																
24	Cost Components:															
25	Long-Term Debt															
26	Common Equity															
27	Rate															
28																
29	Depreciation Rates:															
30	Book depreciation rate - Transmission															
31	Average Property Tax Rate															
32	Deferred tax rate															

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3404  
Page 2 of 2

Asheville Combined Cycle Deferral Calculation - Defer From In Service Date to Rates Effective Date - Transmission - NC Retail

Line No.	Description	Deferred Property Tax Expense [5]			After-Tax Return on Deferred Expenses			Deferred Total		
		2019	2020	Total	2019	2020	Total	2019	2020	Total
1										
2	Plant in Service Dec 2019 costs	2		2	0		0	59		59
3	Jan 2020 costs		2	2		1	1		71	71
4	Feb 2020 costs		2	2		1	1		72	72
5	Mar 2020 costs		2	2		1	1		72	72
6	Apr 2020 costs		2	2		2	2		72	72
7	May 2020 costs		2	2		2	2		73	73
8	Jun 2020 costs		2	2		3	3		73	73
9	Jul 2020 costs		2	2		3	3		73	73
10	Aug 2020 costs		2	2		4	4		74	74
11										
12	Total Costs Through Aug 31, 2020	2	19	21	0	16	17	59	579	638
13										
14										
15	<u>Cost of Capital [7]:</u>									
16	Assumed Capital Structure:									
17	Long-Term Debt									
18	Common Equity									
19										
20	Cost Rates:									
21	Long-Term Debt									
22	Common Equity									
23										
24	Cost Components:									
25	Long-Term Debt									
26	Common Equity									
27	Rate									
28										
29	Depreciation Rates:									
30	Book depreciation rate - Transmission									
31	Average Property Tax Rate									
32	Deferred tax rate									

- [1] NC-3405 - Asheville Combined Cycle - Plant in Service - Costs by Month  
[2] Transmission additions that qualify for bonus depreciation multiplied by 40% and then the deferred tax rate on Line 32  
[3] Not estimating incremental inventory for the transmission additions.  
[4] Not estimating incremental O&M for the transmission additions.  
[5] Plant Balance column divided by 12 months multiplied by Line 31.  
[6] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10  
[7] Cost of capital rates from Docket No. E-2, Sub 1142  
[8] NC-0901 - Annualize property taxes on year end plant balances - Average property tax rate-Combined NC and SC  
[9] NC-0802 - Adjustment of Depreciation Expense to Reflect Plant in Service for 12 Months Ended December 31, 2018, Transmission Other depr rate  
[10] Adjusted to reflect a rates effective date of Sep 1, 2020

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NC-3404

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219

NC-3405  
Page 1 of 1

Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018  
(Dollars in thousands)

Asheville Combined Cycle - Plant in Service - Costs by Month

Line No.	Year	Month	System		NC Retail Allocation	NC Retail Allocation	NC Retail		NC Retail Transmission
			Other Production	Transmission			Other Production	Transmission	
1									
2	2019	12	754,116 [1]	13,142 [1]	61.5278% [2]	59.6699% [3]	463,991	7,842	
3	2020	1	754,934 [1]	13,142 [1]	61.5278% [2]	59.6699% [3]	464,494	7,842	
4	2020	2	756,942 [1]	13,142 [1]	61.5278% [2]	59.6699% [3]	465,730	7,842	
5	2020	3	756,942 [4]	13,142 [4]	61.5278% [2]	59.6699% [3]	465,730	7,842	
6	2020	4	756,942 [4]	13,142 [4]	61.5278% [2]	59.6699% [3]	465,730	7,842	
7	2020	5	756,942 [4]	13,142 [4]	61.5278% [2]	59.6699% [3]	465,730	7,842	
8	2020	6	756,942 [4]	13,142 [4]	61.5278% [2]	59.6699% [3]	465,730	7,842	
9	2020	7	756,942 [4]	13,142 [4]	61.5278% [2]	59.6699% [3]	465,730	7,842	
10	2020	8	756,942 [4]	13,142 [4]	61.5278% [2]	59.6699% [3]	465,730	7,842	
11	Total Project Cost		<u>\$ 756,942</u>	<u>\$ 13,142</u>			<u>\$ 465,730</u>	<u>\$ 7,842</u>	

[1] Estimated amounts provided by Asheville Combined Cycle Project Management

[2] NC Retail Allocation Factor - DPALL

[3] NC Retail Allocation Factor - DTALL

[4] No additional charges added after capital cutoff for plant in service

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Amortize deferred cost balance related to Asheville Combined Cycle  
For the test period ended December 31, 2018

NC-3406  
Page 1 of 1

Asheville Combined Cycle - Average O&M and Inventory Balances

Line No.	Account	2017 HF Lee CC	2018 HF Lee CC	2017 Sutton CC	2018 Sutton CC	Average Annual CC O&M [1]	NC Retail Allocation	Total NC Retail
1	0546000 - Supvrn and Engring - Ct Oper	\$ 184,395	\$ 201,075	\$ 465,609	\$ 358,980	\$ 302,515	61.5278%	\$ 186,131
2	0548100 - Generation Expenses - Other Ct	239,757	233,516	297,994	306,949	269,554	61.5278%	165,851
3	0548200 - Prime Movers - Generators - Ct	-	-	1,004	23,889	6,223	61.5278%	3,829
4	0549000 - Misc - Power Generation Expense	2,763,570	3,487,354	2,631,701	2,030,183	2,728,202	61.5278%	1,678,603
5	0551000 - Supvrn and Engring - Ct Maint	354,997	367,123	461,594	331,587	378,825	61.1093%	231,497
6	0552000 - Maintenance of Structures - Ct	3,095,563	1,812,816	1,870,970	2,092,865	2,218,054	61.1093%	1,355,437
7	0553000 - Maint - Genty and Elect Equip - Ct	2,776,375	2,902,538	2,150,399	1,776,630	2,401,486	61.1093%	1,467,531
8	0554000 - Misc Power Generation Plant - Ct	1,427,348	1,835,888	1,722,978	1,691,109	1,669,331	61.1093%	1,020,117
9	0570100 - Maint Stat Equip - Other Trans	-	2,272	-	-	568	59.6699%	339
10	Total O&M	\$ 10,842,006	\$ 10,842,583	\$ 9,602,248	\$ 8,612,192	\$ 9,974,757		\$ 6,109,335
11								
12								
13	Estimated level of inventory for Asheville CC at the time the plant becomes operational					\$5,500,000 [5]	67.9178% [6]	\$3,735,479

[1] Direct Operation and Maintenance expenses, excluding outage costs, provided by Regulated Utility Finance

[2] NC Retail Allocation Factor - DPALL

[3] NC Retail Allocation Factor - E1ALL

[4] NC Retail Allocation Factor - DTALL

[5] Estimated Inventory level provided by Supply Chain

[6] NC Retail Allocation Factor - PTDG

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust purchased power  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3500  
Narrative  
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

Adjustment to remove purchased power expense for purchased power agreements expiring before the end of the test period and to add or annualize purchased power expense for signed purchased power agreements that start after the beginning of the test period but within a reasonable period after the end of the test period.

The impact to income taxes is determined by multiplying taxable income by the statutory tax rate.



Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust purchased power  
For the test period ended December 31, 2018  
(Dollars in thousands)

NC-3500  
Application

Line No.	Description	Source	Total NC Retail
<b><u>Pro Formas Impacting Income Statement Line Items</u></b>			
1			
2			
3			
4	Electric operating revenue		\$ -
5			
6	Electric operating expenses:		
7	Operation and maintenance		-
8	Fuel used in electric generation		-
9	Purchased power		(1,965)
10	Other operation and maintenance expense		-
11	Depreciation and amortization		-
12	General taxes		-
13	Interest on customer deposits		-
14	Income taxes		455
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	<u>(1,510)</u>
18			
19	Operating income	L4 - L17	<u>\$ 1,510</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26			
<b><u>Pro Formas Impacting Rate Base Line Items</u></b>			
27			
28	Electric plant in service		\$ -
29	Accumulated depreciation and amortization		-
30	Electric plant in service, net	Sum L28 through L29	<u>-</u>
31			
32	Add:		
33	Materials and supplies		-
34	Working capital investment		-
35			
36			
37	Less:		
38	Accumulated deferred taxes		-
39	Operating reserves		-
40			
41			
42	Construction work in progress		<u>-</u>
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ -</u>
45			

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust purchased power  
For the test period ended December 31, 2018

NC-3501  
Page 1 of 1  
Application

Line No.	Description	Total System	[1] Alloc Factor [2]	NC Retail
1				
2	<b><u>Purchase Power Agreements</u></b>			
3				
4	Remove Test Year Capacity Payment			
5	NCEMC - CT	\$ (8,568,000)		
6	Southern Company Services - Southern Rowan CC	(13,448,453)		
7		<u>\$ (22,016,453)</u>	61.5278%	<u>\$ (13,546,239)</u>
8				
9	Add NCEMC CT Agreement (term began 6/1/2019)	\$ 5,604,480	61.5278%	3,448,313
10	Add Southern Rowan CC Agreement (term begins 1/1/2020)	\$ 13,218,000	61.5278%	8,132,744
11				
12	Total Purchase Power Capacity Adjustment	<u>\$ (3,193,973)</u>		<u>\$ (1,965,181)</u>
13				
14	Statutory tax rate			23.1693% [3]
15				
16	Impact to income taxes (-L12 x L14)			<u>\$ 455,319</u>
17				
18	Impact to operating income (-L12 - L16)			<u><u>\$ 1,509,863</u></u>
19				
20				

[1] Wholesale Accounting

[2] NC Retail Allocation Factor - Production Demand (DPALL)

[3] NC-0104 - 2019 Calculation of Tax Rates - Statutory Tax Rate, Line 10

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Adjust purchased power  
For the test period ended December 31, 2018

NC-3502  
Page 1 of 1  
Application

DUKE ENERGY PROGRESS  
PURCHASED POWER AND INTERCHANGE  
SYSTEM REPORT - NORTH CAROLINA VIEW

Twelve Months Ended  
December 2018

Purchased Power	Economic	Total		Capacity		Non-capacity		Not Fuel \$	
		\$		\$	mWh	Fuel \$	Fuel-related \$	Not Fuel-related \$	
Broad River Energy, LLC.		\$ 143,680,293		\$ 45,981,143	2,040,524	\$ 84,077,667	\$ 13,621,483	\$ -	-
City of Fayetteville		23,286,926		12,619,900	71,618	9,533,508	1,133,518	-	-
DE Carolinas - Native Load Transfer		74,541,411		-	1,834,635	36,843,338	37,689,272	8,801	-
DE Carolinas - Native Load Transfer Benefit		5,666,748		-	-	5,666,748	-	-	-
DE Carolinas - Fees		1,074,213		-	-	-	1,074,213	-	-
Hawwood EMC		348,600		348,600	-	-	-	-	-
NCEMC		65,342,495		36,944,796	549,410	28,397,699	-	-	-
PJM Interconnection, LLC.		4,903,101		-	100,397	3,207,489	1,695,612	-	-
Southern Company Services		52,856,291		13,448,453	1,141,606	33,075,806	6,332,032	-	-
		<b>\$ 371,700,078</b>		<b>\$ 109,342,892</b>	<b>5,738,190</b>	<b>\$ 200,802,255</b>	<b>\$ 61,546,130</b>	<b>\$ 8,801</b>	
<b>Renewable Energy</b>									
REPS		\$ 210,726,537		\$ -	3,097,045	\$ -	\$ 210,624,140	\$ 102,397	-
DERP Net Metering Excess Generation		3,230		557	75	-	-	2,673	-
DERP Qualifying Facilities		602,806		-	11,174	-	602,806	-	-
		<b>\$ 211,332,573</b>		<b>\$ 557</b>	<b>3,108,294</b>	<b>\$ -</b>	<b>\$ 211,226,946</b>	<b>\$ 105,070</b>	
<b>HB589 PURPA Purchases</b>									
Qualifying Facilities		\$ 119,780,093		\$ -	1,916,568	\$ -	\$ 119,780,093	\$ -	-
		<b>\$ 119,780,093</b>		<b>\$ -</b>	<b>1,916,568</b>	<b>\$ -</b>	<b>\$ 119,780,093</b>	<b>\$ -</b>	
<b>Non-dispatchable</b>									
DE Carolinas - Emergency		\$ 15,390		\$ -	333	\$ 13,113	\$ -	\$ 2,277	-
DE Carolinas - Reliability		3,231,108		-	48,673	1,970,976	-	1,260,132	-
Virginia Electric and Power Company - Emergency		265,573		-	890	161,999	-	103,574	-
Haywood EMC		5,388		5,388	-	-	-	-	-
Energy Imbalance		862,445		-	20,068	804,626	-	57,819	-
Generation Imbalance		31,415		-	1,166	19,165	-	12,250	-
Qualifying Facilities - Pre HB589		44,010		-	-	-	-	44,010	-
		<b>\$ 4,455,329</b>		<b>\$ 5,388</b>	<b>71,130</b>	<b>\$ 2,969,879</b>	<b>\$ -</b>	<b>\$ 1,480,062</b>	
<b>Total Purchased Power</b>		<b>\$ 707,268,073</b>		<b>\$ 109,348,837</b>	<b>10,834,182</b>	<b>\$ 203,772,134</b>	<b>\$ 392,553,169</b>	<b>\$ 1,593,933</b>	

Note: Totals may not foot due to rounding

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 11

☐ CONFIDENTIAL

☒ NOT CONFIDENTIAL

**Request:**

Provide a schedule showing a comparison of the total company balance in other electric revenue accounts for each month's activity for the test year and the twelve months preceding the test year for each account and subaccount in the applicant's chart of accounts that requires allocation to North Carolina retail operations. See Format 12a.

**Response:**

See attached "DEP Rate Case E1-11 Revenue Comparison".



DEP Rate Case  
E1-11 Revenue Com

/A

Item No. 11  
Revenue Comparison

COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
OTHER ELECTRIC REVENUES

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR-TO-DATE		
0450100 - 0450100 - Late Payment Charge - 1%	0450100	2018	792,458	980,510	817,865	694,037	777,067	594,196	894,663	859,402	465,808	66,008	562,955	732,599	8,237,569
0450100 - 0450100 - Late Payment Charge - 1%	0450100	2017	781,299	731,252	667,301	579,498	613,229	534,980	569,821	915,925	799,507	874,885	596,743	536,646	8,223,006
		Increase (Decrease)	11,159	249,258	150,564	114,538	163,838	59,216	324,841	(56,523)	(333,699)	(808,877)	(35,788)	195,953	14,483
0450200 - 0450200 - Charge on Returned Checks	0450200	2018	23,272	23,221	23,286	27,435	26,750	28,570	30,000	35,195	30,076	35,306	34,090	27,300	344,802
0450200 - 0450200 - Charge on Returned Checks	0450200	2017	18,983	17,966	17,966	17,994	20,724	23,158	22,260	25,638	25,092	25,972	23,202	28,274	258,274
		Increase (Decrease)	4,289	5,925	6,611	9,442	5,976	5,412	7,740	9,561	4,979	9,334	10,883	6,376	86,528
0451100 - 0451100 - Miscellaneous Items	0451100	2018	611,100	611,370	329,833	669,227	735,949	228,188	721,840	762,300	64,173	653,616	629,601	154,432	6,165,627
0451100 - 0451100 - Miscellaneous Items	0451100	2017	822,441	601,142	740,610	641,709	660,402	769,009	764,866	841,370	872,447	690,094	796,366	(537,785)	7,667,673
		Increase (Decrease)	(211,342)	10,228	(410,777)	21,518	75,547	(540,822)	(43,026)	(79,071)	(813,274)	(36,479)	(166,765)	692,217	(1,502,045)
0454004 - 0454004 - Rent Joint Use	0454004	2018	300	0	0	1,650	16,000	0	32,300	9,950	0	47,631	219	95	108,295
0454004 - 0454004 - Rent Joint Use	0454004	2017	0	0	0	0	0	0	0	0	5,550	450	600	600	7,200
		Increase (Decrease)	300	0	0	1,650	16,000	0	32,300	9,950	0	47,631	219	95	108,295
0454100 - 0454100 - Extra Facilities	0454100	2018	1,858,749	1,572,850	1,627,308	1,247,002	1,262,874	1,342,047	1,433,170	1,599,339	1,932,926	1,287,528	1,041,269	1,431,929	17,636,991
0454100 - 0454100 - Extra Facilities	0454100	2017	2,523,969	42,415	1,282,250	1,583,723	1,388,821	1,418,083	1,349,689	1,556,699	1,316,923	1,514,549	3,539,148	1,320,025	18,836,293
		Increase (Decrease)	(665,220)	1,530,435	345,058	(336,721)	(125,947)	(76,036)	83,481	42,640	616,004	(227,021)	(2,497,879)	111,904	(1,199,302)
0454105 - 0454105 (C) Other Electric Revenues	0454105	2018	15,757	29,779	10,825	9,826	2,664	23,551	26,895	3,166	6,178	3,166	35,864	31,776	199,447
0454105 - 0454105 (C) Other Electric Revenues	0454105	2017	44,031	28,879	10,652	9,826	3,166	30,316	26,895	3,166	3,166	3,166	39,070	31,602	234,402
		Increase (Decrease)	(28,274)	900	173	0	(502)	(7,265)	0	0	3,012	0	(3,206)	169	(34,953)
0454200 - 0454200 - Pole and Line Attachments	0454200	2018	1,096,868	1,096,868	1,097,326	1,108,868	1,095,579	1,100,868	884,826	1,089,575	1,096,868	1,095,025	1,096,868	792,084	12,651,623
0454200 - 0454200 - Pole and Line Attachments	0454200	2017	2,222,314	1,020,887	1,073,830	1,261,478	1,031,630	1,050,422	1,043,630	1,690,174	1,288,188	1,098,385	1,082,653	1,669,508	16,402,100
		Increase (Decrease)	(1,125,446)	96,981	23,956	(152,610)	63,949	50,446	(158,804)	(600,598)	(191,320)	(3,360)	(585,785)	(877,424)	(3,490,476)
0454300 - 0454300 - Tower Lease Revenue	0454300	2018	175,727	0	0	138,805	0	0	108,639	0	0	172,563	0	0	595,733
0454300 - 0454300 - Tower Lease Revenue	0454300	2017	173,715	0	0	116,541	0	0	133,444	0	0	167,952	0	0	590,653
		Increase (Decrease)	2,011	0	0	22,264	0	0	(23,805)	0	0	4,611	0	0	5,081
0454400 - 0454400 - Other Electric Revenues	0454400	2018	314,420	385,065	257,443	259,422	305,019	258,987	257,029	328,122	302,177	261,630	262,972	267,612	3,459,899
0454400 - 0454400 - Other Electric Revenues	0454400	2017	1,899,352	353,098	1,278,058	1,425,553	676,792	1,294,103	(5,008,342)	340,541	264,329	282,558	496,698	259,994	3,548,883
		Increase (Decrease)	(1,584,932)	31,967	(1,020,615)	(1,166,140)	(371,773)	(1,035,115)	5,265,371	(12,419)	37,848	(929)	(233,726)	8,519	(81,944)
0454500 - 0454500 - Leased Facilities Fee	0454500	2018	(52,062)	85,224	89,929	102,781	93,704	91,438	91,438	91,438	91,438	91,438	91,438	91,438	959,643
0454500 - 0454500 - Leased Facilities Fee	0454500	2017	113,137	113,137	113,137	113,137	113,137	113,137	113,137	150,658	110,668	117,553	117,553	117,553	1,405,602
		Increase (Decrease)	(165,199)	(27,913)	(23,207)	(10,356)	(19,433)	(21,699)	(21,699)	(58,920)	(19,230)	(26,115)	(26,115)	(26,115)	(446,000)
0454601 - 0454601 - Other Miscellaneous Revenue	0454601	2018	149,496	24,669	83,845	(4,841)	98,613	0	0	0	0	0	0	0	352,081
0454601 - 0454601 - Other Miscellaneous Revenue	0454601	2017	0	16,600	(759)	117,941	89,895	0	353,041	137,668	0	98,167	(71)	(72,591)	739,892
		Increase (Decrease)	149,496	8,369	84,603	(122,783)	8,718	0	(353,041)	(137,668)	0	(98,167)	71	72,591	(387,811)
0456001 - 0456001 - Other Variable Revenue	0456001	2018	20,429	1,926	(19,072)	15,675	20,385	45,320	(30,814)	(15,984)	17,965	56,222	(226,476)	399,804	285,382
0456001 - 0456001 - Other Variable Revenue	0456001	2017	(28,281)	119,594	(19,837)	(112,310)	(15,163)	(61,078)	87,216	38,740	(41,166)	57,087	(132,879)	(13,090)	(111,122)
		Increase (Decrease)	48,710	(117,668)	765	127,985	35,554	106,398	(118,080)	(54,123)	59,130	(864)	(99,597)	402,894	396,504
0456002 - 0456002 - Demand Profile Pilot Charge	0456002	2018	19,186	18,683	18,037	10,134	10,264	9,482	10,044	10,951	8,906	11,397	7,887	8,843	143,814
0456002 - 0456002 - Demand Profile Pilot Charge	0456002	2017	19,150	17,202	18,132	17,113	19,489	18,604	19,296	18,916	17,781	21,055	18,672	18,672	222,304
		Increase (Decrease)	36	1,481	(95)	(6,979)	(9,224)	(9,122)	(9,252)	(7,965)	(8,875)	(9,658)	(10,785)	(8,052)	(78,490)
0456004 - 0456004 Magnetic Tape Pulse Data	0456004	2018	13	13	13	13	13	13	13	13	13	13	13	13	152
0456004 - 0456004 Magnetic Tape Pulse Data	0456004	2017	0	0	0	0	0	0	0	0	461	23	36	36	623
		Increase (Decrease)	13	13	13	13	13	13	13	13	13	13	13	13	623
0456005 - 0456005 Electric Revenue-Cogen/Small Pwr Pro	0456005	2018	82,516	80,246	79,986	82,610	86,090	81,840	83,551	86,389	81,890	82,142	87,375	79,682	994,278
0456005 - 0456005 Electric Revenue-Cogen/Small Pwr Pro	0456005	2017	66,427	98,348	73,251	74,139	74,684	82,826	78,441	83,088	78,518	79,049	84,743	77,256	950,992
		Increase (Decrease)	16,089	(18,102)	6,735	8,461	11,366	(986)	5,110	3,291	3,372	3,093	2,632	2,426	43,286
0456016 - 0456016 - I/C Joint Disp Trans NW Rev	0456016	2018	0	0	936	0	0	0	0	0	0	0	0	0	936
0456016 - 0456016 - I/C Joint Disp Trans NW Rev	0456016	2017	0	0	0	0	0	0	0	0	8,279	0	0	0	8,279
		Increase (Decrease)	0	0	936	0	0	0	0	0	(8,279)	0	0	0	(7,343)
0456050 - 0456050 Transmission Study Revenue	0456050	2018	0	0	0	0	0	0	0	0	0	0	0	0	355
0456050 - 0456050 Transmission Study Revenue	0456050	2017	0	0	0	0	0	0	0	0	0	0	0	0	355
		Increase (Decrease)	0	0	0	0	0	0	0	0	0	0	0	0	0
0456100 - 0456100 - Profit or Loss on Sale of M&S	0456100	2018	0	0	0	0	0	0	0	(1,900)	0	0	0	0	(1,912)
0456100 - 0456100 - Profit or Loss on Sale of M&S	0456100	2017	(1,759)	0	0	(5,046)	0	0	0	574	0	0	0	0	(6,230)
		Increase (Decrease)	1,759	0	0	5,046	0	0	0	(2,475)	0	0	0	0	4,318
0456103 - 0456103 - Meeting - Network	0456103	2018	24,096	24,096	24,096	23,496	23,496	23,096	23,896	21,746	25,246	23,496	23,496	23,496	283,752

COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
OTHER ELECTRIC REVENUES

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR-TO-DATE
0456103 - 0456103 - Metering - Network	0456103	2017	(209,659)	(210,339)	(209,884)	(210,339)	(210,584)	993,316	492,756	24,096	24,096	24,096	24,096	495,907
		Increase (Decrease)	233,755	234,455	233,980	233,855	234,080	(910,420)	(468,860)	(2,350)	1,150	(600)	(600)	(212,155)
0456104 - 0456104 - Transmission Charge Network	0456104	2018	6,874,408	5,404,238	4,425,330	3,108,032	4,395,285	3,724,066	5,234,991	6,361,049	4,386,769	4,426,900	2,888,243	4,128,964
0456104 - 0456104 - Transmission Charge Network	0456104	2017	6,644,508	4,412,388	5,022,407	3,352,175	4,528,998	3,880,743	5,912,706	5,021,841	4,407,662	4,508,528	5,003,939	5,538,215
		Increase (Decrease)	229,900	991,850	(596,977)	(244,143)	(133,713)	(156,613)	(429,752)	448,343	(635,072)	19,238	(1,620,285)	(874,979)
0456105 - 0456105 - Sched. Sys Cntl. disp-network	0456105	2018	179,481	144,232	127,043	88,086	119,514	145,671	142,415	185,762	134,288	125,298	86,143	1,610,891
0456105 - 0456105 - Sched. Sys Cntl. disp-network	0456105	2017	174,393	114,734	131,126	80,845	116,545	126,570	135,027	144,357	122,602	110,074	138,039	1,528,060
		Increase (Decrease)	5,088	29,497	(4,083)	(15,759)	2,969	19,101	4,318	41,405	11,581	17,686	(23,932)	(62,831)
0456106 - 0456106 - Reactive Pur/Volt Cntl Svc	0456106	2018	389,090	304,623	261,494	166,775	243,826	309,015	303,254	408,585	284,066	262,845	165,280	276,637
0456106 - 0456106 - Reactive Pur/Volt Cntl Svc	0456106	2017	377,245	233,859	271,617	205,307	237,881	263,588	292,752	308,859	295,536	217,374	222,472	288,597
		Increase (Decrease)	11,845	70,764	(10,123)	(38,532)	5,945	45,457	10,502	99,726	27,530	45,471	(57,192)	(11,960)
0456107 - 0456107 - Regulation/Frequency Response	0456107	2018	2,690	2,010	1,857	1,387	1,739	1,983	2,012	1,830	1,979	1,750	1,898	23,096
0456107 - 0456107 - Regulation/Frequency Response	0456107	2017	0	0	2,166	482	779	1,115	1,156	627	531	579	679	7,190
		Increase (Decrease)	2,690	2,010	(309)	904	1,010	868	2,410	1,203	1,449	1,172	1,219	15,906
0456108 - 0456108 - Op Res - Spinning Reserve	0456108	2018	3,968	2,965	2,740	2,045	2,566	2,925	2,968	2,699	2,920	2,582	2,800	2,990
0456108 - 0456108 - Op Res - Spinning Reserve	0456108	2017	0	0	3,195	712	1,075	1,645	(586)	925	783	854	1,002	10,606
		Increase (Decrease)	3,968	2,965	(456)	1,334	1,490	1,280	3,554	1,774	2,137	1,728	1,798	1,889
0456109 - 0456109 - Op Res - Supplemental Reserve	0456109	2018	2,836	2,119	1,958	1,462	1,834	2,090	2,121	1,929	2,087	1,845	2,001	2,666
0456109 - 0456109 - Op Res - Supplemental Reserve	0456109	2017	0	0	2,284	508	769	1,176	(419)	661	559	610	716	7,579
		Increase (Decrease)	2,836	2,119	(326)	953	1,065	915	2,540	1,268	1,527	1,235	1,285	1,350
0456110 - 0456110 - Transmission Charge Pp	0456110	2018	793,337	570,932	905,992	1,066,374	740,847	649,755	610,434	699,660	432,262	528,184	794,610	501,902
0456110 - 0456110 - Transmission Charge Pp	0456110	2017	257,410	351,862	292,134	367,259	550,171	626,740	538,131	569,245	606,076	684,307	928,219	786,389
		Increase (Decrease)	535,928	219,091	653,258	699,115	190,676	23,016	72,303	130,415	(173,814)	(156,123)	(133,609)	(284,488)
0456111 - 0456111 - Other Transmission Revenues	0456111	2018	108,500	108,500	108,500	108,500	108,500	94,829	11,975	101,665	101,665	101,665	101,665	1,157,629
0456111 - 0456111 - Other Transmission Revenues	0456111	2017	128,425	128,425	71,123	109,324	109,324	107,677	102,088	108,500	108,500	108,500	108,500	108,500
		Increase (Decrease)	(19,924)	(19,924)	37,378	(824)	(824)	(12,848)	(90,113)	(6,836)	(6,836)	(6,836)	(6,836)	(6,836)
0456117 - 0456117 - Wheeling Transmission	0456117	2018	0	0	27,204	28,865	35,199	2,376	0	0	(194)	0	17,503	10,953
0456117 - 0456117 - Wheeling Transmission	0456117	2017	5,699	(527)	14,931	3,224	24,988	13,586	15,090	(15,090)	157,296	15,646	29,031	280,762
		Increase (Decrease)	(5,699)	527	(12,733)	25,641	10,201	(11,160)	(1,299)	(15,090)	(157,990)	(15,646)	29,031	(169,809)
0456118 - 0456118 - Revenue Sharing - Duke	0456118	2018	295,172	156,400	(53,775)	(34,433)	256,442	336,700	220,155	207,417	242,182	358,408	242,138	209,410
0456118 - 0456118 - Revenue Sharing - Duke	0456118	2017	440,231	350,238	240,583	33,155	149,009	92,626	153,103	130,467	91,707	(5,805)	26,597	2,156,873
		Increase (Decrease)	(145,059)	(193,838)	(508,637)	(275,017)	223,287	187,691	127,529	54,314	111,415	266,701	247,943	183,013
0456119 - 0456119 - Wheeling Prod Ancillary Srv	0456119	2018	0	0	2,323	2,463	2,991	201	0	0	(4,247)	0	1,251	0
0456119 - 0456119 - Wheeling Prod Ancillary Srv	0456119	2017	1,156	(6,530)	1,345	296	2,252	(2,354)	110	1,274	13,344	1,313	2,431	0
		Increase (Decrease)	(1,156)	6,530	978	2,167	739	2,354	(110)	(1,274)	(17,591)	(1,313)	(1,180)	(9,855)
0456191 - 0456191 - NC Coal Inventory Rider	0456191	2018	0	0	0	96,053	96,918	101,282	58,222	3,434	(28,938)	(33,198)	(18,468)	(4,660)
0456191 - 0456191 - NC Coal Inventory Rider	0456191	2017	0	0	0	0	0	0	0	0	0	0	0	0
		Increase (Decrease)	0	0	0	96,053	96,918	101,282	58,222	3,434	(28,938)	(33,198)	(18,468)	(4,660)
0456560 - 0456560 - NC EE Deferred Revenues	0456560	2018	0	0	(289,264)	(516,472)	(569,987)	(635,571)	(718,041)	(607,677)	(541,264)	(544,081)	(670,809)	(5,795,683)
0456560 - 0456560 - NC EE Deferred Revenues	0456560	2017	0	0	0	0	0	0	0	0	0	0	0	0
		Increase (Decrease)	0	0	(289,264)	(516,472)	(569,987)	(635,571)	(718,041)	(607,677)	(541,264)	(544,081)	(670,809)	(5,795,683)
0456610 - 0456610 - Other Electric Revenues	0456610	2018	621,550	(374,359)	144,767	122,334	29,232	91,422	78,889	185,654	179,307	124,346	196,171	1,475,749
0456610 - 0456610 - Other Electric Revenues	0456610	2017	21,947	30,709	32,227	32,624	30,841	5,281,215	30,624	60,306	39,467	32,513	63,035	6,255,125
		Increase (Decrease)	599,603	(405,688)	112,540	89,729	96,588	60,282	(5,202,336)	155,030	119,000	84,869	103,657	(593,448)
0456630 - 0456630 - Gross Up - Cont In Aid of Cont	0456630	2018	366,555	190,956	110,608	33,269	85,833	62,419	61,240	259,459	149,994	17,857	40,007	223,408
0456630 - 0456630 - Gross Up - Cont In Aid of Cont	0456630	2017	152,844	112,485	115,343	610,735	188,347	183,447	188,482	210,588	180,224	161,048	37,291	130,930
		Increase (Decrease)	213,711	78,471	(4,734)	(577,466)	(82,514)	(100,527)	(77,242)	48,921	(30,230)	14,808	2,716	43,572
Total Other Electric Revenue		2018	14,769,911	11,447,755	10,217,833	8,654,930	10,202,166	8,716,890	10,578,126	12,596,327	9,400,026	9,264,399	7,564,729	8,997,224
Total Other Electric Revenue		2017	16,648,989	8,686,707	11,438,130	10,658,076	10,270,166	11,570,782	12,293,354	13,283,480	11,438,480	10,871,724	13,264,262	10,638,079
		Increase (Decrease)	(1,879,079)	2,761,048	(1,220,297)	(2,003,146)	(68,000)	(2,853,934)	(1,715,227)	(687,153)	(2,038,688)	(1,607,325)	(5,699,533)	(1,640,755)



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 12**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

- a. Provide a schedule showing a comparison of the balance in the total company electric operating expense accounts for each month's activity for the test year to the same month of the preceding year for each account and subaccount included in the applicant's chart of accounts.  
See Format 12a.
- b. Provide a schedule in comparative form showing the total company operating expense account balances for the test year and each of the five years preceding the test year for each account included in the applicant's annual report (FERC Form 1.. Pages 320 - 326). If the test year is a noncalendar year, monthly data for the preceding year should match each month of the test year for comparison purposes. Show the percentage of increase of each year over the prior year.
- c. Provide a schedule of total company salaries and wages for the test year and each of the preceding five calendar years. Also, provide the total number of electric employees by month for the test year. See Format 12c.

**Response:**

See attached:

"DEP Rate Case E1-12(a) Operating Expense by Month"



DEP Rate Case  
E1-12(a) Operating Expense by Month

"DEP Rate Case E1-12(b) Operating Expense Balances"



DEP Rate Case  
E1-12(b) Operating Expense Balances

"DEP Rate Case E1-12(c) Salaries and Wages"



DEP Rate Case  
E1-12(c) Salaries and Wages

/A

COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

			JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0501110 - 0501110 - Coal Consumed - Fossil Steam	0501110	2018	46,639,217	13,060,703	16,172,515	17,138,899	18,055,806	37,662,413	31,288,707	34,628,006	24,531,327	14,594,043	19,321,212	34,433,367	307,900,075
0501110	0501110	2017	22,465,175	9,744,752	23,565,006	14,611,913	11,578,070	30,947,055	40,914,055	43,559,627	25,453,307	15,088,396	14,268,396	31,253,507	292,950,139
0501310 - 0501310 - Oil Consumed - Fossil Steam	0501310	2018	1,307,995	3,315,950	(7,382,291)	2,726,945		6,656,486	(1,624,346)	(8,391,661)	(1,102,070)	(1,004,292)	5,102,516	3,199,860	14,950,735
0501310	0501310	2017	1,131,320	587,881	973,543	1,174,388	891,756	1,423,719	645,529	805,006	295,904	333,464	1,004,500	1,404,117	10,490,727
0509030 - 0509030 - SO2 Emission Expense	0509030	2018	2,739	2,979	833	1,052	1,401	1,451	2,619	2,002	2,157	1,511	943	1,264	20,951
0509030	0509030	2017	2,287	1,772	844	2,089	1,296	1,050	1,289	4,520	4,511	2,069	1,683	924	25,253
0557450 - 0557450 - Commissions/Brokerage Expense	0557450	2018	1,800	1,950	1,875	1,875	1,875	1,875	1,875	1,875	1,875	1,875	1,875	1,875	22,500
0557450	0557450	2017	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,800	1,800	1,800	16,200
0557451 - 0557451 - EA & Coal Broker Fees	0557451	2018	-	125	-	2,693	-	2,500	-	521	-	-	-	-	2,818
0557451	0557451	2017	600	1,625	-	1,250	-	2,500	25	-	-	-	-	1,000	7,521
0509213 - 0509213 - RECS Consumption Expense	0509213	2018	(600)	(1,500)	-	1,443	-	(2,500)	(25)	(521)	-	-	-	(1,000)	(4,704)
0509213	0509213	2017	-	-	-	-	-	18,450,643	-	-	-	-	-	-	18,450,643
0501007 - 0501007 - Beneficial Reuse - Coal Ash	0501007	2018	613,720	587,276	855,932	714,401	852,651	918,344	716,982	1,075,444	207,642	770,623	888,912	824,488	9,026,415
0501007	0501007	2017	-	-	-	-	-	918,344	716,982	1,075,444	32,698,766	660,113	603,620	835,174	34,797,673
0501008 - 0501008 - Contra Fuel Exp BR Ash - SC	0501008	2018	(59,592)	(29,467)	(83,111)	(69,368)	(81,428)	(81,694)	(68,457)	(102,883)	(19,826)	(73,579)	(84,873)	(78,722)	(838,792)
0501008	0501008	2017	(59,592)	(29,467)	(83,111)	(69,368)	(81,428)	(81,694)	(68,457)	(102,883)	(19,826)	(73,579)	(84,873)	(78,722)	(838,792)
0501009 - 0501009 - Contra Fuel Exp BR Ash - W/S	0501009	2018	(59,592)	(29,467)	(83,111)	(69,368)	(81,428)	(81,694)	(68,457)	(102,883)	(19,826)	(73,579)	(84,873)	(78,722)	(838,792)
0501009	0501009	2017	(59,592)	(29,467)	(83,111)	(69,368)	(81,428)	(81,694)	(68,457)	(102,883)	(19,826)	(73,579)	(84,873)	(78,722)	(838,792)
0547000 - 0547000 - Fuel Expense	0547000	2018	144,096,693	59,496,567	55,330,979	36,966,095	42,680,149	51,482,344	65,929,418	63,206,497	56,520,861	56,439,877	58,888,731	66,445,689	757,486,130
0547000	0547000	2017	65,302,383	46,203,300	53,513,559	42,823,564	41,583,193	48,498,887	54,241,546	52,556,088	48,310,248	44,565,827	51,994,693	71,404,703	751,191,993
0547200 - 0547200 - Oil	0547200	2018	59,763,976	327,276	345,916	331,085	199,331	71,975	596,345	77,556	210,883	140,493	511,331	1,051,520	6,615,866
0547200	0547200	2017	4,790,295	1,308,961	221,661	221,661	25,844	245,244	172,388	165,394	145,090	1,218,753	1,678,669	2,272,513	12,608,957
0547106 - 0547106 - Bypass Expense	0547106	2018	-	-	-	6,462	96,760	41,537	80,121	74,454	33,386	60,333	90,403	98,728	582,183
0547106	0547106	2017	-	-	-	-	-	-	-	-	-	-	-	-	-
0547107 - 0547107 - REC Bypass Contra Expense	0547107	2018	-	-	-	-	-	-	-	-	-	-	-	-	-
0547107	0547107	2017	-	-	-	-	-	-	-	-	-	-	-	-	-
0547124 - 0547124 - (C Gas) Purchases	0547124	2018	6,664,426	6,301,303	6,482,183	6,354,687	6,306,717	6,288,389	6,336,502	6,318,085	6,767,572	6,926,944	6,505,707	6,376,826	77,629,343
0547124	0547124	2017	6,664,426	12,710,572	6,403,083	6,200,457	6,315,468	6,365,656	6,407,713	6,364,723	6,323,375	6,454,763	6,440,415	6,440,415	76,529,433
0547108 - 0547108 - REC Bypass Contra Expense - SC	0547108	2018	-	-	-	-	-	-	-	-	-	-	-	-	-
0547108	0547108	2017	-	-	-	-	-	-	-	-	-	-	-	-	-
0518100 - 0518100 - Burnup of Owned Fuel	0518100	2018	17,239,604	15,781,298	13,884,551	12,421,756	16,473,119	15,146,148	17,540,348	18,004,976	13,466,704	13,744,614	14,002,697	16,232,865	184,163,860
0518100	0518100	2017	18,095,981	15,783,932	11,486,351	15,356,563	18,174,533	17,642,650	18,427,859	18,279,977	17,617,449	17,381,550	17,647,286	18,131,180	207,560,864
0518610 - 0518610 - Canister Expense - Ozonee	0518610	2018	35,928	35,928	35,928	20,264	20,264	20,264	20,264	20,264	49,909	88,754	88,754	88,754	525,272
0518610	0518610	2017	35,928	35,928	35,928	35,928	35,928	35,928	35,928	35,928	35,928	35,928	35,928	35,928	431,131
0518611 - 0518611 - Canister Expense - Maguire	0518611	2018	203,227	203,227	203,227	33,973	33,973	33,973	33,973	33,973	33,973	38,065	38,065	38,065	927,714
0518611	0518611	2017	125,224	125,224	125,224	203,227	203,227	203,227	203,227	203,227	203,227	203,227	203,227	203,227	2,704,715
0518620 - 0518620 - Canister Design Expense	0518620	2018	18,610	14,484	17,151	8,456	6,333	8,869	15,717	2,003	11,554	24,915	7,151	8,609	144,051
0518620	0518620	2017	7,103	12,659	8,566	8,431	2,968	5,875	8,934	8,704	10,543	76	5,074	1,175	76,434

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0518700 - 0518700 - 24 Month Fuel Cycle	0518700 0518700 Increased/(Decrease)	136,729 110,211 Increased/(Decrease)	29,506 36,241 (7,240)	26,729 14,902 11,837	110,141 29,322 80,319	39,240 13,725 25,515	15,146 21,798 (6,652)	34,832 64,678 (29,746)	7,595 5,426 2,166	9,687 51,166 (3,970)	6,316 49,681 (9,365)	4,653 43,346 (38,693)	465,195 581,144 (115,949)
0555130 - 0555130 - Purchased Power - Co-Generation	0555130 0555130 Increased/(Decrease)	4,381,228 3,271,690 Increased/(Decrease)	7,564,657 7,725,900 (171,243)	11,481,600 7,725,900 4,210,342	13,548,581 5,346,298 7,302,282	13,164,784 9,277,282 3,887,502	14,663,212 8,643,662 6,119,546	13,420,388 9,018,877 4,401,511	14,026,844 7,820,549 6,197,295	4,221,865 7,259,417 (2,034,752)	8,815,383 5,512,793 3,298,588	5,029,119 5,512,793 (473,674)	119,577,432 80,684,052 38,893,380
0555200 - 0555200 - Interchange Power	0555200 0555200 Increased/(Decrease)	47,505,041 16,054,313 Increased/(Decrease)	13,689,755 12,665,640 1,024,115	15,583,055 8,668,627 6,914,428	7,361,784 8,663,242 1,301,458	21,394,838 14,653,242 6,741,596	42,687,546 28,629,869 14,057,677	38,637,890 27,610,421 11,027,469	36,622,414 14,611,942 22,010,472	23,766,264 13,828,957 9,940,507	17,235,364 7,512,286 9,723,078	15,236,795 13,113,374 2,123,421	290,939,340 17,585,563 273,524,903
0555550 - 0555550 - Purchased Energy Imbalance	0555550 0555550 Increased/(Decrease)	152,600 44,297 Increased/(Decrease)	44,297 42,591 2,006	42,591 180 42,411	54,446 163 54,283	47,690 1,786 45,904	78,253 1,570 76,683	55,533 2,013 53,520	6,815 452 6,363	115,723 310 115,413	1,981 310 1,671	503 497 54	862,444 76,079 785,523
0555750 - 0555750 - Purchases - Generation Imbalance	0555750 0555750 Increased/(Decrease)	3,934 9,675 (5,742)	2,566 5,565 (2,999)	3,547 1,461 2,086	1,380 5,752 (4,372)	163 21,126 (20,963)	1,786 3,754 (1,968)	2,013 2,799 (796)	452 310 142	12,508 51,094 (38,586)	1,096 1,387 (291)	1,387 53,572 (52,185)	31,416 53,572 (22,157)
0557980 - 0557980 - Retail Deferred Fuel Expenses	0557980 0557980 Increased/(Decrease)	238,113 (7,428,842) (113,501,740)	(11,221,813) (27,955,251) (16,733,437)	(7,315,367) (17,701,901) 10,386,534	(15,877,220) (6,720,737) (9,147,184)	(22,979,388) (22,753,833) (246,005)	(13,993,378) (21,621,792) 7,628,413	(13,671,672) (24,981,923) 11,310,251	(24,183,639) (4,075,996) (20,107,643)	6,778,158 (6,777,910) 13,056,068	(14,302,610) (8,180,881) (6,121,729)	(79,130,407) (23,013,355) (56,027,053)	(316,590,958) (180,732,923) (135,858,035)
0555125 - 0555125 - Purchased Power-Renewable	0555125 0555125 Increased/(Decrease)	11,389,200 11,138,476 250,724	19,508,340 14,988,396 4,519,944	10,551,470 18,346,027 (7,795,032)	21,989,339 18,346,027 3,030,187	22,310,656 19,012,711 3,297,945	21,011,137 24,516,699 3,505,232	22,077,163 21,950,112 717,151	22,500,731 24,107,018 1,606,460	19,913,026 20,717,018 (803,992)	17,124,544 17,094,450 40,094	9,859,571 15,751,961 (5,892,390)	210,776,536 225,154,426 (14,427,891)
0555135 - 0555135 - SC DERs Purchased Power	0555135 0555135 Increased/(Decrease)	1,595 22,412 20,817	1,595 22,412 20,817	51,810 58,770 6,960	58,770 67,141 8,371	22,451 56,297 33,846	56,297 158,899 102,602	158,899 96,632 62,267	96,632 15,480 81,152	15,480 (15,480) 0	60,358 22,477 37,881	22,477 603,364 (580,887)	606,037 2,673 (2,067)
0555136 - 0555136 - SC Res Shared Solar Purchase	0555136 0555136 Increased/(Decrease)	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36	- (36) 36
0555016 - 0555016 - I/C Joint Dhp - Pur Pwr	0555016 0555016 Increased/(Decrease)	26,755,092 4,106,733 Increased/(Decrease)	463,136 10,733,697 (10,270,565)	7,639,495 10,562,770 (2,923,275)	6,674,028 9,226,770 (2,552,742)	4,046,184 4,908,397 (902,213)	7,820,685 3,638,197 (4,182,488)	1,246,935 3,473,501 (2,226,566)	8,778,555 2,641,100 6,137,455	3,106,960 1,053,580 2,053,380	6,420,437 3,773,756 2,646,681	8,703,936 3,773,756 4,930,180	84,528,871 3,773,756 80,755,115
0920000 - 0920000 - A and G Salaries	0920000 0920000 Increased/(Decrease)	6,025,893 5,651,393 374,500	5,770,128 5,999,326 (229,198)	7,032,249 6,711,950 320,299	7,008,968 6,433,773 675,195	6,555,957 7,146,606 588,649	6,555,957 7,146,606 588,649	6,555,957 7,146,606 588,649	6,555,957 7,146,606 588,649	6,555,957 7,146,606 588,649	6,555,957 7,146,606 588,649	6,555,957 7,146,606 588,649	56,065,802 134,721,784 78,655,982
0921100 - 0921100 - Employee Expenses	0921100 0921100 Increased/(Decrease)	859,733 888,624 (28,891)	1,252,792 445,115 807,677	445,115 154,639 290,476	154,639 211,443 366,064	211,443 4,600,013 4,388,570	18,817 4,600,013 4,581,196	98,741 4,600,013 4,501,272	1,234,105 1,274,570 40,465	573,309 739,756 166,447	(610,103) 148,031 758,134	(572,502) (74,269) 606,771	4,374,714 4,252,394 122,320
0921200 - 0921200 - Office Expenses	0921200 0921200 Increased/(Decrease)	353,887 598,729 (244,842)	669,263 660,849 8,414	418,012 731,281 (313,269)	1,013,739 1,008,849 284,194	831,946 1,689,215 857,269	87,222 866,056 (778,834)	1,986,491 1,957,863 28,627	966,254 1,208,313 242,059	630,378 722,106 89,728	604,540 589,659 14,881	1,234,679 1,657,744 423,065	9,867,131 1,657,744 8,209,387
0921300 - 0921300 - Telephone and Telegraph Exp	0921300 0921300 Increased/(Decrease)	28 101 73	51 333 (282)	70 333 (263)	51 226 (175)	138 141 (23)	173 196 (23)	36 173 (137)	245 131 (114)	245 131 (114)	245 131 (114)	245 131 (114)	113 157 (44)
0921400 - 0921400 - Computer Services Expenses	0921400 0921400 Increased/(Decrease)	490,791 623,175 (132,384)	281,740 623,175 (341,435)	561,688 311,109 (250,579)	1,207,307 311,109 (896,198)	327,536 278,974 49,562	641,285 278,974 362,311	(110,448) 2,209,607 (2,320,055)	791,090 474,602 316,488	343,079 826,874 483,795	439,594 816,488 376,894	152,694 858,874 706,180	3,758,904 858,874 2,899,030
0921540 - 0921540 - Computer Rent (Go Only)	0921540 0921540 Increased/(Decrease)	913,157 175,044 738,113	316,719 175,044 141,675	(436,108) 175,044 (611,152)	298,825 175,044 123,781	267,357 175,044 92,313	268,697 175,044 93,653	268,697 175,044 93,653	268,697 175,044 93,653	268,697 175,044 93,653	268,697 175,044 93,653	268,697 175,044 93,653	302,679 2,720,392 2,417,713
0921600 - 0921600 - Other	0921600 0921600 Increased/(Decrease)	1,659 1,525 134	2,134 1,525 609	1,049 5,831 (4,782)	1,805 1,608 1,965	1,384 1,608 2,224	1,384 1,608 2,224	1,384 1,608 2,224	1,384 1,608 2,224	1,384 1,608 2,224	1,384 1,608 2,224	1,384 1,608 2,224	16,755 12,499 4,256
0921980 - 0921980 - Office Supplies and Expenses	0921980 0921980 Increased/(Decrease)	2,029,768 1,858,850 170,919	2,219,686 1,858,850 360,836	2,595,653 2,033,442 562,211	2,228,123 1,858,850 369,273	3,415,148 1,858,850 1,556,298	2,276,394 1,858,850 427,544	2,207,103 1,858,850 348,253	2,810,089 1,858,850 951,239	2,810,089 1,858,850 951,239	2,810,089 1,858,850 951,239	2,810,089 1,858,850 951,239	33,226,841 29,596,127 3,630,714
0922000 - 0922000 - Admin Exp Transfer	0922000 0922000 Increased/(Decrease)	- 1,890 1,890	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	534 6,054 (5,520)

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

			JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0923000 - 0923000 - Outside Service Employed	0923000	2018	3,030,460	5,206,602	4,865,403	2,980,502	4,218,873	6,231,693	1,784,840	4,476,433	4,589,940	3,692,458	3,872,002	5,564,763	50,820,619
	0923000	2017	1,833,811	3,894,232	4,794,931	3,283,431	4,389,194	5,599,986	4,389,194	4,125,636	5,124,517	4,125,636	5,124,517	5,599,986	55,930,254
			Increased/(Decrease)	1,196,649	1,511,670	70,468	(298,930)	384,993	631,795	(2,004,354)	2,240,487	(3,584,577)	(433,191)	(1,249,200)	(5,109,645)
0923860 - 0923860 - Outside Service Employee	0923860	2018	196,970	233,579	472,654	166,594	260,247	306,248	203,864	23,719	173,980	146,434	429,974	145,805	2,758,427
	0923860	2017	168,404	154,278	154,278	169,766	101,986	306,414	178,079	112,529	141,104	141,425	178,288	402,186	2,200,327
			Increased/(Decrease)	47,475	78,801	306,992	(6,172)	158,351	25,785	(88,874)	32,786	5,009	251,185	(256,381)	557,890
0924000 - 0924000 - Property Insurance	0924000	2018	1,284	5,324	(5,324)	3,181	36	(10,796)	46,627	5,324	(8,866)	5,324	5,324	(9,270)	38,307
	0924000	2017	9,190	8,237	(5,289)	9,190	(5,289)	(3,485)	52,944	11,773	(3,485)	7,278	9,190	(3,485)	84,685
			Increased/(Decrease)	(7,906)	(2,913)	(3,908)	(6,010)	5,285	(3,511)	(6,317)	(6,499)	(1,954)	(3,867)	(3,785)	(46,378)
0924050 - 0924050 - Intercompany Property Insurance Exp	0924050	2018	569,150	569,150	569,150	569,150	569,150	569,150	569,150	569,150	569,150	569,150	569,150	569,150	6,829,800
	0924050	2017	67,408	67,408	67,408	67,408	67,408	67,408	67,408	67,408	67,408	67,408	67,408	67,408	8,128,300
			Increased/(Decrease)	(108,258)	(108,258)	(108,258)	(108,258)	(108,258)	(108,258)	(108,258)	(108,258)	(108,258)	(108,258)	(108,258)	(1,298,500)
0924100 - 0924100 - Admin - EH&S Expense	0924100	2018	-	-	-	-	-	-	-	-	-	-	-	-	57
	0924100	2017	-	-	-	-	-	-	-	-	-	-	-	-	57
			Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-
0924980 - 0924980 - Property Insurance For Corp.	0924980	2018	1,348,845	1,348,845	(6,070,831)	1,348,845	1,348,845	1,328,165	(401,845)	1,232,972	1,232,628	1,232,972	1,232,972	(12,825,021)	(7,642,806)
	0924980	2017	1,342,087	1,342,087	1,421,391	1,401,551	1,164,784	928,017	(391,237)	1,310,270	1,356,477	1,357,304	1,357,304	(13,106,988)	(517,004)
			Increased/(Decrease)	6,758	6,758	(7,492,222)	(62,706)	184,062	400,148	(10,608)	(77,248)	(124,332)	(124,332)	(281,967)	(7,125,602)
0925200 - 0925200 - Injuries and Damages - Other	0925200	2018	12,635	14,478	78,409	66,992	15,179	13,050	13,967	14,772	15,508	118,290	13,116	13,765	390,159
	0925200	2017	13,045	189,217	15,179	66,773	(88,072)	13,965	14,669	14,005	14,005	19,716	12,777	106,569	391,170
			Increased/(Decrease)	(410)	(174,739)	63,230	219	103,251	(733)	(29)	103	98,574	839	(92,804)	(1,018)
0925300 - 0925300 - Environmental (In) and Damages	0925300	2018	2,200	-	(1,491,858)	719	6,365	15,796	1,077	2,122	(535,784)	719	-	879,125	(1,317,437)
	0925300	2017	25,785	(25,785)	(1,491,858)	(15,276)	(8,313)	(18,392)	(439)	(2,122)	(1,593,692)	(2,605)	(1,077)	290,884	1,432,181
			Increased/(Decrease)	2,200	(25,785)	(1,491,858)	(15,276)	(8,313)	(439)	(2,122)	(1,593,692)	(2,605)	(1,077)	588,241	(2,569,618)
0925980 - 0925980 - Injuries and Damages For Corp.	0925980	2018	24,187	24,187	24,187	24,187	24,187	24,187	24,187	24,187	24,187	24,187	24,187	24,187	290,241
	0925980	2017	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	288,400
			Increased/(Decrease)	167	167	167	167	167	167	167	167	167	167	167	2,000
0926000 - 0926000 - Emp'l Pensions and Benefits	0926000	2018	12,401,438	11,081,198	12,708,508	11,901,706	11,393,562	11,634,807	11,384,621	12,128,466	11,460,757	8,005,465	11,291,514	13,775,509	139,167,551
	0926000	2017	5,835,685	7,070,128	20,911,451	(4,721,323)	6,996,278	32,290,695	(8,013,613)	10,932,312	45,460,965	(30,713,018)	6,580,499	58,263,477	140,880,435
			Increased/(Decrease)	6,565,753	4,011,070	(8,202,943)	16,623,030	4,396,834	(20,655,887)	29,398,234	1,195,555	(34,000,208)	38,718,483	4,711,165	(4,448,968)
0926420 - 0926420 - Employees' Tuition Refund	0926420	2018	-	-	-	-	-	-	734	-	-	-	-	140	899
	0926420	2017	-	-	-	-	-	-	734	-	-	-	-	140	734
			Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	165
0926430 - 0926430 - Employees' Recreation Expense	0926430	2018	579	1,144	630	352	564	180	707	414	391	451	280	3,290	8,983
	0926430	2017	107	1,348	246	636	151	347	407	90	233	407	388	2,517	6,687
			Increased/(Decrease)	472	(204)	384	(284)	414	(147)	300	324	157	(119)	774	2,296
0926600 - 0926600 - Employee Benefits - Transferred	0926600	2018	(85,799)	(463,991)	(1,244,797)	(771,558)	(967,289)	(958,558)	(607,489)	(1,716,460)	2,155,233	(1,072,753)	(1,091,565)	804,183	(5,967,422)
	0926600	2017	466,034	245,488	34,497	126,022	(832,847)	578,574	52,981	796,605	(445,706)	(827,749)	(1,272,858)	1,294,874	234,914
			Increased/(Decrease)	(545,832)	(709,479)	(1,279,293)	(843,579)	(605,042)	(1,537,132)	(660,470)	(2,513,065)	2,600,960	(245,004)	626,239	(6,202,235)
0927001 - 0927001 - General and Administration	0927001	2018	-	24	-	-	9	-	-	-	-	-	-	-	-
	0927001	2017	-	24	-	-	9	-	-	-	-	-	-	-	-
			Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-
0928000 - 0928000 - Regulatory Expenses	0928000	2018	52,183	1,111,592	89,738	127,285	1,411,936	494,779	1,982,859	1,376,612	127,285	127,285	1,563,466	131,195	8,596,196
	0928000	2017	52,183	1,114,140	(89,138)	52,183	1,160,272	620,736	1,966,141	1,070,537	(101,007)	127,285	1,379,148	(145,807)	7,127,626
			Increased/(Decrease)	(2,547)	188,976	75,113	251,610	(126,007)	16,719	900,074	228,902	75,113	184,318	277,002	1,468,700
0929000 - 0929000 - Duplicate Chrgs - Fung To Exp	0929000	2018	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	11,256
	0929000	2017	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	1,407	16,684
			Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	(5,428)
0930200 - 0930200 - Misc General Expenses	0930200	2018	(2,080,920)	(2,107,616)	(5,542,222)	(2,209,379)	(2,149,535)	3,007,111	(3,511,776)	(2,463,889)	(3,091,173)	(2,343,004)	(2,079,648)	(133,419)	(24,725,308)
	0930200	2017	(2,809,969)	(2,370,777)	(6,553,148)	(2,437,741)	(2,481,082)	36,708	(1,249,843)	(2,618,278)	(5,148,520)	(2,171,013)	(2,403,299)	(792,008)	(9,259,101)
			Increased/(Decrease)	729,049	463,161	1,009,927	163,362	311,529	2,970,404	(1,161,994)	154,489	2,057,476	374,010	324,331	638,589
0930210 - 0930210 - Industry Association Dues	0930210	2018	777,449	-	-	-	-	-	-	-	-	-	-	-	777,449
	0930210	2017	952,541	-	(144,579)	-	-	-	-	264	-	-	-	-	(80,762)
			Increased/(Decrease)	(175,092)	144,579	-	-	-	-	(264)	-	-	-	-	858,211
0930220 - 0930220 - Exp of Servicing Securities	0930220	2018	(606)	(1,335)	(1,065)	(1,145)	19,192	24,699	1,944	(1,205)	112,511	(805)	(1,025)	-	151,160
	0930220	2017	-	-	901	5	14,244	34,714	2,564	80,088	(8,352)	441	402	(1,527)	127,114
			Increased/(Decrease)	(606)	(1,335)	(1,966)	(1,151)	4,948	(620)	(81,613)	112,583	(805)	(1,427)	1,527	24,046

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0930030 - 0930030 - Direct To Various Organizations	0930030	2018	27,551	20,791	12,575	7,699	33,774	7,590	50,675	8,361	930	6,772	27,839	16,038	265,024
0930030 - 0930030 - Increase/(Decrease)	0930030	2017	46,486	36,484	11,059	15,677	17,958	10,939	3,866	3,541	6,355	23,775	15,246	792	26,442
0930040 - 0930040 - Director's Expenses	0930040	2018	(18,997)	(15,693)	(35,939)	(3,310)	17,606	(10,428)	40,936	5,275	(2,611)	507	49,105	11,954	1,106,643
0930040 - 0930040 - Increase/(Decrease)	0930040	2017	137,328	5,378	13,477	107,971	509,136	774	106,483	20,338	1,580	118,870	13,405	151,932	1,106,643
0930050 - 0930050 - Buy/Sell Transit Employee Homes	0930050	2018	(25,358)	5,080	2,405	(10,034)	(7,688)	(1,446)	15,729	(21,343)	(32,008)	10,366	4,819	30,114	(20,365)
0930050 - 0930050 - Increase/(Decrease)	0930050	2017	34,732	64,173	141,777	164,770	(16,377)	49,694	50,857	96,151	119,946	12,815	98,957	62,418	990,897
0930060 - 0930060 - Leased Circuit Charges - Other	0930060	2018	178,388	61,804	130,571	24,775	181,850	108,326	328,629	102,043	26,480	209,652	26,480	1,599,076	1,599,076
0930060 - 0930060 - Increase/(Decrease)	0930060	2017	(144,059)	2,374	20,601	139,395	(207,427)	(109,034)	(58,479)	(322,479)	18,941	(64,442)	72,523	(586,179)	(586,179)
0930070 - 0930070 - Research and Development	0930070	2018	9,568	(18,620)	2,724	396	6,343	15,723	1,175	(4,823)	5,522	20,056	1,056	8,913	47,691
0930070 - 0930070 - Increase/(Decrease)	0930070	2017	3,281	1,650	3,618	5,855	2,671	2,264	2,264	(29,599)	7,148	5,555	11,852	28,735	89,236
0930080 - 0930080 - R and D - Alternative Energy	0930080	2018	6,883	(21,861)	893	(3,263)	15,052	(1,109)	(24,782)	(1,682)	14,501	(10,776)	(10,776)	(41,345)	(41,345)
0930080 - 0930080 - Increase/(Decrease)	0930080	2017	143,217	115,588	98,586	100,640	97,866	120,550	131,516	132,178	118,582	115,836	103,644	101,772	1,379,975
0930090 - 0930090 - General Expenses	0930090	2018	20,157	101,954	102,413	91,044	102,913	112,113	128,526	126,710	120,041	106,476	95,984	103,983	1,313,722
0930090 - 0930090 - Increase/(Decrease)	0930090	2017	7,321	6,129	8,866	12,645	12,881	8,136	10,874	13,065	5,537	8,286	2,857	14,156	110,574
0931001 - 0931001 - Rents - AandG	0931001	2018	9,452	21,785	8,741	13,181	(4,572)	(1,868)	(2,732)	(3,068)	(7,733)	993	7,933	10,769	147,268
0931001 - 0931001 - Increase/(Decrease)	0931001	2017	(2,131)	(15,656)	645	(353)	(4,572)	(1,868)	(2,732)	(3,068)	(7,733)	993	7,933	10,769	147,268
0931008 - 0931008 - A and G Rents IC	0931008	2018	1,539,564	1,500,273	1,587,760	1,592,198	1,581,088	1,576,787	1,556,351	1,548,957	1,898,811	1,598,798	1,464,489	1,555,463	19,040,439
0931008 - 0931008 - Increase/(Decrease)	0931008	2017	1,397,033	2,002,783	1,995,985	2,090,682	1,756,932	1,956,635	1,892,999	2,002,197	2,005,201	2,085,043	2,082,153	2,082,153	23,798,988
0931008 - 0931008 - Increase/(Decrease)	0931008	2017	(457,469)	(502,011)	(409,225)	(438,484)	(175,206)	(388,848)	(236,748)	(453,239)	(106,389)	(383,394)	(620,554)	(526,690)	(47,586,469)
1199990 - 1199990 - Shared Services/Im Charing	1199990	2018	1,082,255	669,734	872,362	907,866	887,213	898,983	966,999	959,997	954,230	982,609	992,843	1,028,014	11,203,005
1199990 - 1199990 - Increase/(Decrease)	1199990	2017	923,150	914,709	956,566	946,574	758,974	789,9							

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0904000 - 0904000 - Unrecollectible Accounts	0904000	689,318	417,376	386,904	758,838	1,005,690	1,068,181	1,046,672	688,807	794,192	749,363	1,055,043	720,151	9,385,535
	0904000	599,970	507,900	310,982	680,042	668,479	4,28,198	4,28,198	426,137	643,532	643,696	643,696	709,147	6,474,512
	Increased/(Decrease)	89,348	(90,524)	76,922	122,795	337,211	307,862	618,474	257,670	350,758	305,757	428,246	31,004	2,921,003
0905000 - 0905000 - Misc Customer Accts Expenses	0905000	76,660	91,435	114,449	121,097	120,114	80,574	74,424	103,822	63,677	69,017	72,523	66,892	1,116,785
	0905000	58,877	53,760	88,351	48,543	60,960	98,302	77,225	77,198	121,151	80,124	77,575	80,293	923,578
	Increased/(Decrease)	20,803	37,675	86,188	72,555	59,154	(12,839)	2,189	25,755	(68,504)	(11,106)	(5,152)	(13,499)	193,207
0904001 - 0904001 - Bldg Deht Expense	0904001	255,707	(8,025)	(11,730)	566,145	87,097	(225,276)	77,141	54,670	76,938	52,221	(761)	(202,342)	613,013
	0904001	2,689	20,638	54,240	107,213	(16,204)	121,760	60,626	29,255	(434,156)	86,839	69,433	(145,146)	29,588
	Increased/(Decrease)	253,288	(28,663)	(71,542)	395,991	103,101	(94,006)	16,516	22,216	511,724	(44,618)	(70,194)	(97,196)	583,075
0908150 - 0908150 - Commer/Indust Assistance Exp	0908150	-	-	43	-	-	-	-	260	-	-	-	-	303
	0908150	-	-	43	-	-	-	-	260	-	-	-	-	303
	Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-	-
0909650 - 0909650 - Misc Advertising Expenses	0909650	5,957	3,915	5,669	2,286	522	2,729	-	25,515	-	9,910	-	10,238	67,011
	0909650	2,964	-	4,417	2,681	6,679	8	14,461	12,192	4,323	4,323	-	4,868	52,532
	Increased/(Decrease)	3,053	3,915	1,252	(425)	(6,157)	2,721	(14,461)	13,324	-	5,586	-	5,371	14,479
0910000 - 0910000 - Misc Cust Serv/Inform Exp	0910000	8,943	13,022	9,712	6,886	8,778	10,742	7,601	67,482	11,009	10,042	53,123	8,600	215,741
	0910000	10,367	10,367	15,277	36,013	170,284	(100,883)	12,559	19,789	15,099	20,187	(49,116)	10,254	170,517
	Increased/(Decrease)	(3,644)	2,655	(5,644)	(29,327)	(161,506)	119,624	(4,958)	47,693	(4,090)	(10,145)	102,239	(1,654)	45,224
0910100 - 0910100 - Exp - Rs Reg Prod/Specs - Contracts	0910100	328,636	286,465	318,390	292,482	449,219	135,972	264,248	220,755	286,669	245,939	137,064	320,960	3,296,798
	0910100	251,423	326,313	315,025	358,119	347,834	336,688	289,321	428,055	826,192	475,536	(14,446)	(80,286)	3,859,473
	Increased/(Decrease)	77,213	(39,848)	3,365	(65,636)	101,385	(200,395)	(25,073)	(197,300)	(539,523)	(229,597)	151,509	401,226	(562,675)
0908000 - 0908000 - Cust Asst Exp-Conservation Programs - Rec	0908000	51	-	49	4	73	262	86	135	1,125	4,077	134	179	6,714
	0908000	-	26	1	-	31	6	4	60	-	-	28	62	217
	Increased/(Decrease)	51	(26)	48	4	42	256	82	76	1,125	4,077	106	116	5,956
0580000 - 0580000 - Supervsn and Engng - Dist Oper	0580000	21,124	46,094	39,444	65,438	167,865	63,711	59,515	43,863	61,627	34,809	28,568	64,986	696,545
	0580000	42,888	41,083	108,483	48,823	38,910	42,003	31,235	18,513	12,828	7,787	18,736	15,745	466,256
	Increased/(Decrease)	(23,844)	5,011	(69,004)	16,614	128,456	31,533	18,513	25,345	49,212	27,022	9,742	49,241	230,289
0582100 - 0582100 - Station Expenses - Other - Dist	0582100	246,789	159,499	209,746	128,337	65,174	125,309	147,775	(277,485)	(92,095)	49,112	49,112	49,165	848,654
	0582100	86,719	58,481	78,719	37,485	186,055	186,055	154,793	113,505	110,755	46,553	42,254	97,048	1,202,237
	Increased/(Decrease)	160,070	101,018	130,924	(61,585)	27,689	(60,746)	(7,018)	(390,833)	(202,850)	(9,225)	6,858	(47,883)	(353,583)
0582200 - 0582200 - Relays and Meters - Dist	0582200	572	-	351	2,030	-	-	-	1,945	4,114	554	783	-	2,953
	0582200	7,757	1,761	3,218	3,968	1,456	8,701	13,809	1,345	(4,114)	(554)	(783)	4,990	53,057
	Increased/(Decrease)	(7,185)	(1,761)	(2,867)	(1,938)	(1,456)	(8,701)	(13,809)	(1,945)	4,114	554	783	(4,990)	(50,104)
0583100 - 0583100 - Overhead Line Exp - Other Dist	0583100	1,126	11,260	58,315	69,998	59,421	60,388	46,454	83,390	261,726	128,414	54,247	716,397	1,294,707
	0583100	371,502	11,278	6,710	5,545	8,786	2,156	7,729	10,001	15,760	8,836	8,398	461,798	461,798
	Increased/(Decrease)	(370,376)	(19)	51,605	64,454	50,635	58,232	38,725	73,389	246,966	(137,250)	45,849	711,300	832,910
0583200 - 0583200 - Transf Set Rem Recet Test - Dist	0583200	7,795	7,631	137,290	68,028	9,755	10,274	12,754	155,738	30,557	12,237	121,647	10,551	584,357
	0583200	9,824	7,631	10,232	49,353	7,167	8,802	91,296	7,287	7,287	7,371	105,668	7,599	323,076
	Increased/(Decrease)	(1,769)	(2,199)	126,558	18,675	2,588	1,473	(78,542)	148,451	21,782	4,867	15,979	3,012	261,281
0584000 - 0584000 - Underground Line Expenses - Dist	0584000	455,985	523,367	218,723	448,393	420,144	390,223	443,095	424,319	373,456	400,250	389,718	392,395	4,881,127
	0584000	391,156	(2,473)	743,108	398,052	402,500	440,413	440,413	323,957	416,409	416,409	442,210	528,764	4,512,550
	Increased/(Decrease)	61,829	525,841	(524,385)	50,340	17,643	(10,995)	2,681	457,243	43,049	(16,159)	(52,492)	(36,369)	368,776
0585000 - 0585000 - St Lighting and Sign System - Dist	0585000	1,120	-	89	2,463	2,390	-	555	7	873	133	459	-	8,088
	0585000	397	-	339	397	1,279	1,215	-	95	513	507	2,374	-	7,664
	Increased/(Decrease)	(1,166)	-	(250)	2,067	1,111	(1,215)	555	(88)	360	(374)	(1,516)	-	124
0586000 - 0586000 - Meter Expenses - Dist	0586000	489,011	496,361	613,435	549,813	453,994	296,278	639,112	603,458	720,273	523,282	467,282	673,430	6,038,529
	0586000	713,146	675,534	566,420	748,401	666,047	787,678	825,545	796,118	940,301	480,987	309,525	720,679	8,230,335
	Increased/(Decrease)	(230,135)	(179,173)	47,114	(138,588)	(212,653)	(491,386)	(256,433)	(192,449)	(701,078)	32,295	157,728	(67,249)	(2,281,806)
0587000 - 0587000 - Cust Install Exp - Other Dist	0587000	427,421	448,379	539,383	412,767	420,706	432,327	439,245	622,161	390,440	439,019	452,079	446,597	5,461,524
	0587000	186,020	183,029	239,671	191,051	226,339	210,258	245,405	216,465	289,544	404,375	452,386	443,785	3,501,211
	Increased/(Decrease)	241,411	264,350	289,712	221,715	194,367	221,669	193,840	405,696	90,485	34,644	(250)	2,612	1,960,313
0588100 - 0588100 - Misc Distribution Exp - Other	0588100	2,915,699	2,851,156	2,570,559	2,416,996	2,344,037	2,041,484	1,814,837	2,699,270	2,187,318	2,202,932	2,166,734	3,459,338	28,870,129
	0588100	1,729,949	2,693,039	2,960,102	2,583,301	1,792,412	2,238,844	2,287,947	2,358,560	1,996,497	2,552,679	3,877,800	3,847,934	31,050,172
	Increased/(Decrease)	1,194,150	(641,512)	(390,141)	(166,305)	551,625	(197,360)	(673,111)	340,910	191,111	(349,747)	1,711,066)	(388,596)	(2,180,043)
0589000 - 0589000 - Rents - Dist Oper	0589000	229,848	239,643	229,143	274,848	230,840	187,568	(61,358)	252,455	230,840	230,840	244,655	199,891	2,489,215
	0589000	461,640	725,600	181,148	219,339	15,739	302,874	217,360	606,190	196,726	217,480	761,726	516,288	4,120,322
	Increased/(Decrease)	(231,792)	14,044	47,895	55,509	15,739	(113,256)	(278,717)	(353,735)	34,115	13,360	(516,471)	(316,397)	(1,631,707)

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0581004 - 0581004 - Land Dispatch-Dist of Elec	0581004 443,480 413,920 Increased (Decrease)	0581004 387,521 378,726 8,795 Increased (Decrease)	0581004 456,145 555,033 (98,888) Increased (Decrease)	0581004 401,240 438,702 (37,527) Increased (Decrease)	0581004 364,166 408,702 (44,534) Increased (Decrease)	0581004 388,290 410,526 (22,236) Increased (Decrease)	0581004 394,437 421,540 (27,102) Increased (Decrease)	0581004 464,415 503,460 (39,045) Increased (Decrease)	0581004 473,452 503,460 (30,008) Increased (Decrease)	0581004 319,576 347,983 (28,407) Increased (Decrease)	0581004 432,536 480,950 (48,414) Increased (Decrease)	0581004 364,612 347,983 16,629 Increased (Decrease)	0581004 4,689,874 4,181,194 508,680 Increased (Decrease)
0588101 - 0588101 - Grid Solutions O&M Deferred	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)	0588101 Increased (Decrease)
0535000 - 0535000 - Superven and Engring - Hydro Oper	0535000 79,106 84,539 (5,433) Increased (Decrease)	0535000 82,502 84,539 (2,037) Increased (Decrease)	0535000 124,601 84,539 (40,062) Increased (Decrease)	0535000 94,185 107,936 (13,751) Increased (Decrease)	0535000 551,732 128,739 (422,993) Increased (Decrease)	0535000 113,579 516,537 (402,958) Increased (Decrease)	0535000 106,889 140,438 (33,549) Increased (Decrease)	0535000 104,354 101,159 3,195 Increased (Decrease)	0535000 106,669 159,066 (52,397) Increased (Decrease)	0535000 107,081 272,083 (165,002) Increased (Decrease)	0535000 464,657 263,340 201,317 Increased (Decrease)	0535000 166,959 50,562 116,397 Increased (Decrease)	0535000 2,131,313 2,003,686 127,627 Increased (Decrease)
0537100 - 0537100 - Hydraulic Expenses	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)	0537100 Increased (Decrease)
0537400 - 0537400 - Recreation Expenses - Hydro	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)	0537400 Increased (Decrease)
0538100 - 0538100 - Electric Expenses - Other - Hydro	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)	0538100 Increased (Decrease)
0539000 - 0539000 - Misc Hydraulic Expenses	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)	0539000 Increased (Decrease)
0536000 - 0536000 - Water for Power	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)	0536000 Increased (Decrease)
0517000 - 0517000 - Superven and Engring - Nuc Oper	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)	0517000 Increased (Decrease)
0518510 - 0518510 - Oil in Aux Stim Gen Fk - Nuc Opr	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)	0518510 Increased (Decrease)
0518530 - 0518530 - Diesel Unit Oil Cons - Nuc Oper	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)	0518530 Increased (Decrease)
0519000 - 0519000 - Gcolants and Water - Nuc Oper	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)	0519000 Increased (Decrease)
0520000 - 0520000 - Steam Expenses - Nuc Oper	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)	0520000 Increased (Decrease)
0523000 - 0523000 - Electric Expenses	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)	0523000 Increased (Decrease)
0524000 - 0524000 - Misc Expenses - Nuc Oper	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)	0524000 Increased (Decrease)
0517200 - 0517200 - Nuclear Op Super & Eng - NCEC Rec	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)	0517200 Increased (Decrease)
0517001 - 0517001 - Sup and Engineer - NC	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)	0517001 Increased (Decrease)
0517002 - 0517002 - Sup and Engineer - SC	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)	0517002 Increased (Decrease)
0519001 - 0519001 - Gcolants and Water - NC	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)	0519001 Increased (Decrease)

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0519002 - 0519002 - Controls and Water - SC	2,029	723	(7,175)	(23,200)	(11,839)	8,034	2,596	6,504	1,511	(5,080)	(5,482)	(448)	(318,27)
0519002 - 0519002 - Controls and Water - SC	2,029	723	(7,175)	(23,200)	(11,839)	8,034	2,596	6,504	1,511	(5,080)	(5,482)	(448)	(318,27)
0520001 - 0520001 - Steam Exp Nuc Op - NC	159,693	(238,598)	(1,342,177)	(799,304)	(66,035)	472,535	218,835	615,579	(259,456)	(297,792)	(297,792)	(2,477)	(1,853,816)
0520001 - 0520001 - Steam Exp Nuc Op - NC	159,693	(238,598)	(1,342,177)	(799,304)	(66,035)	472,535	218,835	615,579	(259,456)	(297,792)	(297,792)	(2,477)	(1,853,816)
0520002 - 0520002 - Steam Exp Nuc Op - SC	27,694	(34,304)	(230,974)	(133,128)	(10,403)	28,967	39,915	75,010	(38,659)	(69,192)	(45,139)	25,735	(94,488)
0520002 - 0520002 - Steam Exp Nuc Op - SC	27,694	(34,304)	(230,974)	(133,128)	(10,403)	28,967	39,915	75,010	(38,659)	(69,192)	(45,139)	25,735	(94,488)
0523001 - 0523001 - Electric Exp - NC	5,108	4,427	(30,450)	(51,407)	(174)	15,045	6,868	20,305	530	(23,937)	(17,286)	(1,180)	(70,092)
0523001 - 0523001 - Electric Exp - NC	5,108	4,427	(30,450)	(51,407)	(174)	15,045	6,868	20,305	530	(23,937)	(17,286)	(1,180)	(70,092)
0523002 - 0523002 - Electric Exp - SC	881	775	(5,128)	(8,656)	(10)	1,024	1,245	2,425	248	(3,544)	(2,749)	(13)	(13,502)
0523002 - 0523002 - Electric Exp - SC	881	775	(5,128)	(8,656)	(10)	1,024	1,245	2,425	248	(3,544)	(2,749)	(13)	(13,502)
0524001 - 0524001 - Misc Exp Nuc - NC	35,189	19,079	(413,665)	(3,319,232)	207,332	(253,006)	51,774	972,124	53,029	17,246	35,298	272,084	(2,323,047)
0524001 - 0524001 - Misc Exp Nuc - NC	35,189	19,079	(413,665)	(3,319,232)	207,332	(253,006)	51,774	972,124	53,029	17,246	35,298	272,084	(2,323,047)
0524002 - 0524002 - Misc Exp Nuc - SC	49	49	(428,102)	(303,980)	(43,530)	105,367	32,381	35,239	35,189	35,189	35,189	35,189	(461,771)
0524002 - 0524002 - Misc Exp Nuc - SC	49	49	(428,102)	(303,980)	(43,530)	105,367	32,381	35,239	35,189	35,189	35,189	35,189	(461,771)
0557000 - 0557000 - Other Expenses - Oper	6,033,298	6,400,808	7,958,411	7,543,496	8,117,326	6,505,440	6,103,994	8,332,689	6,720,041	5,887,112	6,790,041	7,569,993	83,962,650
0557000 - 0557000 - Other Expenses - Oper	6,033,298	6,400,808	7,958,411	7,543,496	8,117,326	6,505,440	6,103,994	8,332,689	6,720,041	5,887,112	6,790,041	7,569,993	83,962,650
0401100 - 0401100 - Non-reg Operation Expense	79	-	-	-	-	-	-	-	-	-	-	-	911
0401100 - 0401100 - Non-reg Operation Expense	79	-	-	-	-	-	-	-	-	-	-	-	911
0556000 - 0556000 - System Costs and Load Dispatching	133,333	136,034	149,302	132,582	141,253	143,023	147,886	158,085	140,512	164,375	143,986	146,590	1,738,960
0556000 - 0556000 - System Costs and Load Dispatching	133,333	136,034	149,302	132,582	141,253	143,023	147,886	158,085	140,512	164,375	143,986	146,590	1,738,960
0557001 - 0557001 - NC Repts - Recs Recovery	144,706	143,658	163,999	148,909	152,861	81,036	77,539	124,999	140,180	130,977	133,488	135,995	1,572,905
0557001 - 0557001 - NC Repts - Recs Recovery	144,706	143,658	163,999	148,909	152,861	81,036	77,539	124,999	140,180	130,977	133,488	135,995	1,572,905
0911000 - 0911000 - Supervision	587	587	1,012	1,645	-	990	845	914	860	1,614	-	2,176	10,582
0911000 - 0911000 - Supervision	587	587	1,012	1,645	-	990	845	914	860	1,614	-	2,176	10,582
0912000 - 0912000 - Demonstrating and Selling Exp	467,578	501,739	601,209	622,034	533,292	501,111	632,452	583,455	610,146	820,924	622,564	1,021,669	7,518,633
0912000 - 0912000 - Demonstrating and Selling Exp	467,578	501,739	601,209	622,034	533,292	501,111	632,452	583,455	610,146	820,924	622,564	1,021,669	7,518,633
0913001 - 0913001 - Advertising Expense	12,596	26,979	36,350	29,198	28,449	25,397	27,910	36,824	44,148	(109,375)	30,441	29,122	217,839
0913001 - 0913001 - Advertising Expense	12,596	26,979	36,350	29,198	28,449	25,397	27,910	36,824	44,148	(109,375)	30,441	29,122	217,839
0916000 - 0916000 - Miscellaneous Sales Expense	1,735	3,931	3,656	7,634	2,995	113	4	275	38,265	14,664	44,016	7,326	124,415
0916000 - 0916000 - Miscellaneous Sales Expense	1,735	3,931	3,656	7,634	2,995	113	4	275	38,265	14,664	44,016	7,326	124,415
0917100 - 0917100 - Demonstration & Sell-Prod Supt - NCCRC Rec	2,153	2,153	(5,505)	249	(4,653)	(7,145)	(3,807)	(15,320)	34,761	11,659	33,790	(2,270)	37,308
0917100 - 0917100 - Demonstration & Sell-Prod Supt - NCCRC Rec	2,153	2,153	(5,505)	249	(4,653)	(7,145)	(3,807)	(15,320)	34,761	11,659	33,790	(2,270)	37,308
0500000 - 0500000 - Surpsn and Engrg - Steam Oper	574,613	562,240	588,188	549,826	545,894	648,338	575,460	604,888	572,941	547,140	525,218	748,048	7,042,755
0500000 - 0500000 - Surpsn and Engrg - Steam Oper	574,613	562,240	588,188	549,826	545,894	648,338	575,460	604,888	572,941	547,140	525,218	748,048	7,042,755
0501150 - 0501150 - Coal Handling	89,557	66,795	64,129	70,807	69,615	84,691	69,026	81,609	71,547	71,736	96,665	86,364	922,541
0501150 - 0501150 - Coal Handling	89,557	66,795	64,129	70,807	69,615	84,691	69,026	81,609	71,547	71,736	96,665	86,364	922,541
0501160 - 0501160 - Coal Sampling and Testing	819	3,854	648	(2,801)	3,883	(4,725)	2,886	2,014	(478)	118,147	(120,008)	(1,212)	2,629
0501160 - 0501160 - Coal Sampling and Testing	819	3,854	648	(2,801)	3,883	(4,725)	2,886	2,014	(478)	118,147	(120,008)	(1,212)	2,629

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

0501180 - 0501180 - Sale of Fly Ash - Revenues	0501180 0501180 Increase/(Decrease)	2018 2017	124,020 5,893,235 (5,927,244)	36,742 5,602,666 (5,565,924)	34,927 5,703,887 (4,956,960)	(6,968) 4,889,227 (4,996,195)	(59,667) 4,881,482 (5,525,838)	26,612 4,881,480 (4,854,870)	(13,638) (12,712) (6,426)	(20,123) (32,522,813) 32,088,405	(14,414) (18,423) (1,031)	(19,459) (18,285) (3,640)	(83,270) (283,428) (366,589)
0501190 - 0501190 - Sale of Fly Ash - Expenses	0501190 0501190 Increase/(Decrease)	2018 2017	199,419 (294,666) 494,085	43,909 377,377 (333,418)	42,453 399,213 (100,863)	256,062 296,713 (143,652)	258,516 399,213 (219,804)	49,209 296,637 (237,428)	2,46,590 319,724 (99,386)	82,307 178,162 (237,427)	156,755 (10,884) (33,826)	(38,129) (10,884) (192,894)	356,478 (63,695) (420,173)
0502040 - 0502040 - Cost of Lime	0502040 0502040 Increase/(Decrease)	2018 2017	1,335,591 683,938 642,753	407,029 38,017 69,012	486,607 38,017 (168,586)	547,397 38,017 159,827	777,272 38,017 382,256	1,325,364 344,076 466,088	1,185,669 1,463,406 (244,399)	1,445,775 1,463,406 (6,125)	926,119 825,110 101,069	507,555 406,881 58,683	1,255,920 360,691 2,221,590
0502100 - 0502100 - Fossil Steam Exp - Other	0502100 0502100 Increase/(Decrease)	2018 2017	469,810 486,732 33,059	351,513 382,693 (31,180)	521,453 651,772 (130,319)	280,922 461,203 (180,280)	427,413 350,812 76,601	389,511 329,782 59,804	280,425 369,979 (89,554)	473,179 356,746 106,432	391,468 481,869 (90,402)	441,539 484,907 (43,368)	424,466 566,786 (443,368)
0505000 - 0505000 - Electric Expenses - Steam Oper	0505000 0505000 Increase/(Decrease)	2018 2017	2,194 2,078 (1,795)	2,194 5,847 (3,653)	537 (470) 1,007	(795) 319 (1,114)	2,163 (2,139) 4,302	(2,678) (443) 5,251	1,591 (1,232) 2,823	1,068 (1,232) 2,300	(2,60) (1,443) 2,500	1,195 132 2,871	13,237 2,787 10,450
0506000 - 0506000 - Misc Fossil Power Expenses	0506000 0506000 Increase/(Decrease)	2018 2017	554,924 (266,388) 821,312	822,117 1,012,580 (190,463)	2,026,226 1,301,774 (724,452)	739,411 1,043,977 (304,566)	277,149 650,507 (373,358)	1,184,256 1,471,509 (287,253)	354,897 380,510 24,387	566,115 430,152 135,963	1,551,892 1,642,955 90,063	2,154,466 1,642,955 511,511	749,567 810,570 596,671
0507000 - 0507000 - Steam Power Gen Op Rents	0507000 0507000 Increase/(Decrease)	2018 2017	- - -	- - -	360 3,731 (4,096)	- 4,096 (4,096)	3,092 (3,092) (2,395)	- (3,817) (3,817)	1,994 (1,994) (1,994)	3,218 (3,218) (3,218)	2,921 (2,921) (2,921)	2,74 (359) (359)	360 (27,437) (27,437)
0507030 - 0507030 - Urea - Qualifying	0507030 0507030 Increase/(Decrease)	2018 2017	176,777 113,270 64,508	64,334 87,364 (23,030)	83,463 98,417 (15,655)	89,599 104,064 (14,465)	22,405 104,064 (81,659)	17,982 58,896 (40,914)	80,301 90,558 (10,257)	40,534 90,558 (50,024)	129,183 75,746 53,437	143,859 64,300 81,577	120,383 125,370 194,088
0507070 - 0507070 - Gypsum - Qualifying	0507070 0507070 Increase/(Decrease)	2018 2017	4,404 (96,576) 100,980	18,765 (81,469) 100,234	322,709 (113,237) 435,946	516,213 (113,237) 629,451	438,497 (113,237) 551,734	262,781 (113,237) 376,018	228,748 (113,237) 341,985	1,080,787 (113,237) 1,194,024	(66,675) (113,237) 46,562	2,005,438 (113,237) 2,118,675	71,746,284 (113,237) 71,859,521
0507080 - 0507080 - Mag Hydroxide Qualifying Reag	0507080 0507080 Increase/(Decrease)	2018 2017	308,749 121,104 187,645	69,159 41,030 28,130	91,331 107,220 (15,889)	100,635 107,220 (6,585)	122,200 107,220 14,980	243,659 107,220 136,439	259,297 107,220 152,077	146,043 131,044 15,000	81,565 107,220 111,614	266,273 154,699 111,614	2,046,473 15,102,848 71,868,228
0507090 - 0507090 - Calcium Carbonate	0507090 0507090 Increase/(Decrease)	2018 2017	160,269 25,953 134,316	34,598 25,953 8,645	43,015 63,232 (20,217)	59,381 63,232 17,145	72,726 42,037 30,689	120,261 74,244 46,017	119,043 120,383 (3,340)	119,043 163,842 (44,806)	61,336 74,382 (13,047)	29,767 30,027 29,140	135,928 103,364 32,564
0507100 - 0507100 - Fossil Oper SuperdEngineer Recoverable	0507100 0507100 Increase/(Decrease)	2018 2017	93 184 93	1,163 184 93	103 226 103	803 226 803	367 226 367	595 226 595	- 226 -	1,083 1,178 95	145 326 145	1,551 2,677 1,225	971 971 971
0507182 - 0507182 - Contra Fuel Exp Pond Ash - W/S	0507182 0507182 Increase/(Decrease)	2018 2017	1,775,861 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)	(1,775,861) 1,687,596 (88,265)
0508000 - 0508000 - Superven and Engng - Trans Oper	0508000 0508000 Increase/(Decrease)	2018 2017	4,034 2,999 1,035	3,349 437 2,912	10,742 9,437 1,305	564 1,210 2,315	6,406 4,990 1,416	1,621 206 1,415	367 280 87	3,627 3,122 505	1,872 241 1,631	2,450 3,692 1,342	2,365 2,618 2,365
0508100 - 0508100 - Land Dispatch - Reliability	0508100 0508100 Increase/(Decrease)	2018 2017	68,764 79,641 10,877	73,816 79,641 5,825	227,693 181,533 46,160	77,437 76,126 1,311	84,749 77,437 7,312	325,665 77,437 250,228	80,567 77,437 3,130	93,005 77,437 15,568	228,834 77,437 151,397	269,452 77,437 192,015	460,944 77,437 383,507
0508200 - 0508200 - Land Dispatch - Maintenance	0508200 0508200 Increase/(Decrease)	2018 2017	171,588 186,049 14,461	172,947 188,342 15,395	195,689 194,112 1,577	197,914 188,425 9,489	207,554 188,342 19,212	197,914 188,342 9,572	213,577 188,342 25,235	213,577 188,342 25,235	199,687 188,342 11,345	220,955 188,342 32,613	2,450,505 188,342 2,638,847

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0561300 - 0561300 - Land Digraph - Transswanachh	0561300 0561300 Increased/(Decrease)	76,829 81,307 Increased/(Decrease)	76,768 81,307 Increased/(Decrease)	84,197 90,887 Increased/(Decrease)	78,773 82,838 Increased/(Decrease)	83,127 82,124 Increased/(Decrease)	82,124 83,510 Increased/(Decrease)	91,551 74,337 Increased/(Decrease)	81,984 76,756 Increased/(Decrease)	93,519 75,952 Increased/(Decrease)	85,662 76,399 Increased/(Decrease)	91,553 76,756 Increased/(Decrease)	1,008,588 888,414 Increased/(Decrease)
0561500 - 0561500 - Reliability Planning and S&S&dev	0561500 0561500 Increased/(Decrease)	3,476 20,240 Increased/(Decrease)	21,380 20,569 Increased/(Decrease)	23,458 21,466 Increased/(Decrease)	23,773 22,045 Increased/(Decrease)	21,120 21,463 Increased/(Decrease)	21,803 22,740 Increased/(Decrease)	20,634 23,572 Increased/(Decrease)	22,975 21,458 Increased/(Decrease)	25,719 22,437 Increased/(Decrease)	21,291 52,456 Increased/(Decrease)	22,448 18,951 Increased/(Decrease)	281,847 304,120 Increased/(Decrease)
0561600 - 0561600 - Trans Svc Studios	0561600 0561600 Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	95,000 94,876 Increased/(Decrease)
0561700 - 0561700 - Generation Interconnect Studies	0561700 0561700 Increased/(Decrease)	(38,010) 13,588 Increased/(Decrease)	780 2,164 Increased/(Decrease)	40,551 1,944 Increased/(Decrease)	45,900 11,942 Increased/(Decrease)	756 1,269 Increased/(Decrease)	102,720 26,530 Increased/(Decrease)	(51,360) 1,828 Increased/(Decrease)	518 35,520 Increased/(Decrease)	864 87 Increased/(Decrease)	46,958 26,046 Increased/(Decrease)	9,432 1,393 Increased/(Decrease)	(239,977) 79,189 Increased/(Decrease)
0562000 - 0562000 - Station Expenses	0562000 0562000 Increased/(Decrease)	(53,598) 40,216 Increased/(Decrease)	(1,384) 26,449 Increased/(Decrease)	36,607 77,895 Increased/(Decrease)	(514) 3,387 Increased/(Decrease)	76,190 22,768 Increased/(Decrease)	(53,188) 29,998 Increased/(Decrease)	(14,802) 29,998 Increased/(Decrease)	7 72,895 Increased/(Decrease)	87 53,314 Increased/(Decrease)	864 53,314 Increased/(Decrease)	809 8,039 Increased/(Decrease)	(204,069) (309,166) Increased/(Decrease)
0562000 - 0562000 - Station Expenses	0562000 0562000 Increased/(Decrease)	252,256 40,216 Increased/(Decrease)	1,50,820 124,371 Increased/(Decrease)	197,265 119,370 Increased/(Decrease)	117,141 113,794 Increased/(Decrease)	114,524 94,050 Increased/(Decrease)	117,656 94,869 Increased/(Decrease)	124,632 94,633 Increased/(Decrease)	1,370 126,626 Increased/(Decrease)	23,192 96,087 Increased/(Decrease)	23,192 53,314 Increased/(Decrease)	44,905 72,895 Increased/(Decrease)	1,292,946 1,149,024 Increased/(Decrease)
0563000 - 0563000 - Overhead Line Expenses - Trans	0563000 0563000 Increased/(Decrease)	202,040 67,978 Increased/(Decrease)	26,449 53,335 Increased/(Decrease)	77,895 48,805 Increased/(Decrease)	3,387 145,100 Increased/(Decrease)	20,475 133,258 Increased/(Decrease)	22,768 85,924 Increased/(Decrease)	29,998 12,361 Increased/(Decrease)	(125,256) 32,694 Increased/(Decrease)	(72,895) 7,767 Increased/(Decrease)	(8,409) 85,746 Increased/(Decrease)	417 107,377 Increased/(Decrease)	(33,945) 870,955 Increased/(Decrease)
0565000 - 0565000 - Transm of Elec By Others	0565000 0565000 Increased/(Decrease)	(9,928) 77,906 Increased/(Decrease)	(25,379) 78,714 Increased/(Decrease)	15,512 33,293 Increased/(Decrease)	120,757 24,343 Increased/(Decrease)	106,324 26,644 Increased/(Decrease)	40,804 46,119 Increased/(Decrease)	(24,510) 36,871 Increased/(Decrease)	6,448 26,246 Increased/(Decrease)	(150,560) 158,326 Increased/(Decrease)	(155,985) 241,731 Increased/(Decrease)	(52,679) 17,872 Increased/(Decrease)	(39,090) 910,085 Increased/(Decrease)
0566000 - 0566000 - Misc Trans Exp - Other	0566000 0566000 Increased/(Decrease)	862,480 47,700 Increased/(Decrease)	686,679 554,327 Increased/(Decrease)	609,237 551,274 Increased/(Decrease)	416,787 419,544 Increased/(Decrease)	371,129 106,851 Increased/(Decrease)	672,305 1,260,479 Increased/(Decrease)	577,109 546,714 Increased/(Decrease)	219,040 727,775 Increased/(Decrease)	948,690 787,275 Increased/(Decrease)	336,968 617,542 Increased/(Decrease)	463,643 846,647 Increased/(Decrease)	6,828,746 7,808,472 Increased/(Decrease)
0567000 - 0567000 - Rents - Trans Oper	0567000 0567000 Increased/(Decrease)	23,846 1,209 Increased/(Decrease)	236,209 2,586 Increased/(Decrease)	236,348 888 Increased/(Decrease)	236,348 501 Increased/(Decrease)	236,666 57 Increased/(Decrease)	235,544 1,175,811 Increased/(Decrease)	235,693 704,276 Increased/(Decrease)	242,012 235,955 Increased/(Decrease)	237,303 235,955 Increased/(Decrease)	248,256 235,955 Increased/(Decrease)	239,431 1,162 Increased/(Decrease)	2,002,930 12,844 Increased/(Decrease)
0568301 - 0568301 - Miscellaneous Transmission Exp	0568301 0568301 Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	512 - Increased/(Decrease)
0870000 - 0870000 - Distribution Svc Ops - Supr/E/rg	0870000 0870000 Increased/(Decrease)	540 196 Increased/(Decrease)	- - Increased/(Decrease)	436 96 Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	364 - Increased/(Decrease)	156 - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	212 - Increased/(Decrease)	439 (292) Increased/(Decrease)
0872000 - 0872000 - Mains and Services	0872000 0872000 Increased/(Decrease)	60 - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	(31) - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	- - Increased/(Decrease)	29 - Increased/(Decrease)
0874000 - 0874000 - Dep of General Plant	0874000 0874000 Increased/(Decrease)	1,997,129 1,799,074 Increased/(Decrease)	2,019,909 5,182,380 Increased/(Decrease)	2,770,650 1,829,140 Increased/(Decrease)	3,363,577 1,820,198 Increased/(Decrease)	3,448,572 1,853,461 Increased/(Decrease)	3,376,308 1,853,261 Increased/(Decrease)	3,368,655 1,897,643 Increased/(Decrease)	3,406,438 1,897,560 Increased/(Decrease)	3,420,535 1,934,216 Increased/(Decrease)	3,615,066 1,942,036 Increased/(Decrease)	3,676,675 1,963,067 Increased/(Decrease)	37,876,871 29,129,025 Increased/(Decrease)
0875000 - 0875000 - Communication System Expenses	0875000 0875000 Increased/(Decrease)	202,064 8,463,107 Increased/(Decrease)	(3,162,471) 8,467,728 Increased/(Decrease)	(2,414,319) 10,141,174 Increased/(Decrease)	1,335,437 11,976,058 Increased/(Decrease)	1,578,919 11,968,413 Increased/(Decrease)	1,595,062 12,061,910 Increased/(Decrease)	1,522,047 12,090,064 Increased/(Decrease)	1,406,411 12,021,141 Increased/(Decrease)	1,508,878 12,161,557 Increased/(Decrease)	1,508,878 12,161,557 Increased/(Decrease)	1,508,878 12,161,557 Increased/(Decrease)	8,747,466 136,679,455 Increased/(Decrease)
0876000 - 0876000 - Dep of Steam Production Plant	0876000 0876000 Increased/(Decrease)	102,066 8,360,051 Increased/(Decrease)	106,795 8,360,051 Increased/(Decrease)	1,779,709 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)	3,612,948 8,360,051 Increased/(Decrease)
0877000 - 0877000 - Dep of Hydro Production Plant	0877000 0877000 Increased/(Decrease)	323,625 288,688 Increased/(Decrease)	321,955 291,992 Increased/(Decrease)	359,043 291,992 Increased/(Decrease)	396,610 291,992 Increased/(Decrease)	396,610 291,992 Increased/(Decrease)	400,495 301,293 Increased/(Decrease)	400,721 304,973 Increased/(Decrease)	400,721 304,973 Increased/(Decrease)	400,721 304,973 Increased/(Decrease)	400,721 304,973 Increased/(Decrease)	400,721 304,973 Increased/(Decrease)	4,523,290 3,653,530 Increased/(Decrease)
0878000 - 0878000 - Dep of Transmission Plant	0878000 0878000 Increased/(Decrease)	3,639,030 3,475,905 Increased/(Decrease)	3,652,079 3,484,710 Increased/(Decrease)	3,830,885 3,484,710 Increased/(Decrease)	4,011,181 3,525,496 Increased/(Decrease)	4,036,098 3,525,496 Increased/(Decrease)	4,044,965 3,525,496 Increased/(Decrease)	4,127,409 3,525,496 Increased/(Decrease)	4,154,291 3,525,496 Increased/(Decrease)	4,186,401 3,525,496 Increased/(Decrease)	4,205,599 3,525,496 Increased/(Decrease)	4,238,589 3,525,496 Increased/(Decrease)	48,291,821 42,872,574 Increased/(Decrease)
0879000 - 0879000 - Dep of Distribution Plant	0879000 0879000 Increased/(Decrease)	18,673,486 17,642,353 Increased/(Decrease)	18,735,224 17,694,333 Increased/(Decrease)	15,704,161 17,712,102 Increased/(Decrease)	12,700,676 17,796,375 Increased/(Decrease)	12,817,831 17,871,228 Increased/(Decrease)	12,925,524 17,969,266 Increased/(Decrease)	14,224,807 18,067,887 Increased/(Decrease)	13,313,566 18,172,217 Increased/(Decrease)	13,655,770 18,311,546 Increased/(Decrease)	13,655,770 18,311,546 Increased/(Decrease)	13,655,770 18,311,546 Increased/(Decrease)	174,068,921 216,614,246 Increased/(Decrease)
0880000 - 0880000 - Dep of Comb Turbine Plant	0880000 0880000 Increased/(Decrease)	6,659,646 6,387,416 Increased/(Decrease)	6,608,974 6,391,326 Increased/(Decrease)	9,073,681 6,391,733 Increased/(Decrease)	10,116,711 6,393,846 Increased/(Decrease)	10,873,046 6,397,563 Increased/(Decrease)	13,407,454 6,401,516 Increased/(Decrease)	11,134,698 6,406,961 Increased/(Decrease)	11,131,715 6,596,797 Increased/(Decrease)	11,467,225 6,586,177 Increased/(Decrease)	11,494,356 6,599,949 Increased/(Decrease)	11,482,782 6,657,363 Increased/(Decrease)	12,917,111 77,806,955 Increased/(Decrease)

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

			JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0403700 - 0403700 - Dep't of Nuc Production Plant	0403700	2018	15,671,783	15,680,039	17,795,660	19,935,423	20,095,194	20,676,669	20,669,573	20,567,521	20,561,723	20,579,443	20,557,827	21,230,730	233,723,065
	0403700	2017	14,993,244	14,905,225	14,903,218	15,008,218	15,204,608	15,294,632	15,417,307	15,418,326	15,516,832	15,576,656	15,566,966	15,693,149	183,108,326
			Increased/(Decrease)			2,882,194	4,927,734	5,086,976	5,180,157	5,221,165	5,130,114	5,004,891	5,002,793	5,000,561	50,557,299
0403002 - 0403002 - Dep't - Expense	0403002	2018	123,932	79,379	99,350	98,370	98,370	98,370	98,370	(212,750)	36,144	36,144	36,144	36,144	637,651
	0403002	2017	65,467	65,467	65,467	65,467	65,467	65,467	65,467	65,467	65,467	65,467	65,467	65,467	785,601
			Increased/(Decrease)			13,912	32,904	32,904	32,904	(278,280)	(29,322)	(29,322)	(29,322)	(29,322)	(158,240)
0403501 - 0403501 - SC EDP Depreciation Expense	0403501	2018	-	-	(73,854)	(180,509)	(152,568)	(154,721)	(150,212)	(151,102)	(153,228)	342,565	(92,672)	(102,998)	(869,299)
	0403501	2017	-	-	-	-	-	-	-	-	-	-	-	-	-
			Increased/(Decrease)			(73,854)	(180,509)	(152,568)	(154,721)	(150,212)	(151,102)	342,565	(92,672)	(102,998)	(869,299)
0403203 - 0403203 - Depreciation - Wholesale Rate Diff	0403203	2018	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	418,979
	0403203	2017	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	34,915	418,979
			Increased/(Decrease)			-	-	-	-	-	-	-	-	-	-
0403401 - 0403401 - Depreciation - SC Rate Diff	0403401	2018	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	1,283,116
	0403401	2017	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	106,926	1,283,116
			Increased/(Decrease)			-	-	-	-	-	-	-	-	-	-
0403105 - 0403105 - Amort of Unrecovered Plant	0403105	2018	-	95,372	95,372	95,372	95,372	95,372	95,372	95,372	95,372	95,372	95,372	95,372	1,144,468
	0403105	2017	-	(95,372)	(95,372)	(95,372)	(95,372)	(95,372)	(95,372)	(95,372)	(95,372)	(95,372)	(95,372)	(95,372)	(1,144,468)
			Increased/(Decrease)			95,372	95,372	95,372	95,372	95,372	95,372	95,372	95,372	95,372	2,288,936
0403202 - 0403202 - DEPRICAT-WHSALE RATE DIFF PA	0403202	2018	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	191,197
	0403202	2017	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	15,933	191,197
			Increased/(Decrease)			-	-	-	-	-	-	-	-	-	-
0403040 - 0403040 - HARRIS DSW-SC IND	0403040	2018	(52,614)	(52,614)	(52,614)	(52,592)	(52,592)	(52,592)	(52,592)	(52,592)	(52,592)	(81,881)	(56,499)	(56,499)	(668,270)
	0403040	2017	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(52,614)	(631,364)
			Increased/(Decrease)			22	22	22	22	22	22	(29,268)	(3,885)	(3,885)	(36,906)
0403041 - 0403041 - HARRIS DSW-WH IND	0403041	2018	(68,916)	(68,916)	(71,460)	(74,005)	(74,005)	(74,005)	(74,005)	(74,005)	(74,005)	(74,005)	(74,005)	(74,005)	(875,335)
	0403041	2017	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(68,916)	(826,994)
			Increased/(Decrease)			(2,544)	(5,089)	(5,089)	(5,089)	(5,089)	(5,089)	(5,089)	(5,089)	(5,089)	(48,341)
0403042 - 0403042 - DEPRICA-CONTRA AFUDC SC PLANT	0403042	2018	(43,854)	(43,854)	(43,874)	(43,688)	(43,737)	(43,737)	(43,709)	(43,709)	(43,709)	(43,709)	(43,709)	(43,709)	(673,242)
	0403042	2017	(43,959)	(43,959)	(43,941)	(43,907)	(43,907)	(43,907)	(43,884)	(43,884)	(43,884)	(43,884)	(43,884)	(43,884)	(556,747)
			Increased/(Decrease)			8	8,233	169	175	175	175	146	(124,845)	(15,481)	(146,494)
0403043 - 0403043 - DEPRECIATION-WHOLESALE PLANT	0403043	2018	(44,572)	(44,572)	(60,387)	(52,172)	(60,356)	(60,315)	(60,315)	(60,315)	(60,315)	(60,315)	(60,315)	(60,315)	(684,315)
	0403043	2017	(44,604)	(44,652)	(44,652)	(44,617)	(44,617)	(44,603)	(44,602)	(44,602)	(44,602)	(44,572)	(44,572)	(44,572)	(535,319)
			Increased/(Decrease)			(32)	(15,739)	(7,541)	(15,748)	(15,762)	(15,713)	(15,742)	(15,741)	(15,741)	(148,995)
0403044 - 0403044 - DEPRECA-CONTRA AFUDC NC PLANT	0403044	2018	(413,571)	(413,571)	(544,545)	(497,154)	(544,545)	(544,545)	(544,157)	(544,877)	(544,863)	(544,863)	(544,863)	(544,863)	(6,208,430)
	0403044	2017	(414,449)	(3,804,031)	(3,804,014)	(414,130)	(414,026)	(413,885)	(413,812)	(413,571)	(413,571)	(413,571)	(413,571)	(413,571)	(11,746,444)
			Increased/(Decrease)			3,290,460	(65,024)	(130,519)	(130,344)	(131,065)	(131,306)	(131,292)	(131,292)	(131,292)	5,538,015
0403045 - 0403045 - DEPRECI-CONTRA AFUDC POLL CONT	0403045	2018	(9,724)	(9,725)	(12,541)	(11,023)	(12,541)	(12,461)	(12,275)	(12,275)	(12,275)	(11,401)	(10,111)	(8,484)	(134,856)
	0403045	2017	(9,722)	(9,722)	(9,722)	(9,722)	(9,722)	(9,725)	(9,725)	(9,724)	(9,724)	(9,724)	(9,724)	(9,724)	(116,704)
			Increased/(Decrease)			2	(2,814)	(1,297)	(2,814)	(2,796)	(2,551)	(1,676)	(87)	(1,241)	(18,131)
0403046 - 0403046 - HARRIS DSW-NC DIR	0403046	2018	(77,573)	(77,573)	(80,337)	(83,300)	(83,300)	(83,300)	(83,300)	(83,300)	(83,300)	(83,300)	(83,300)	(83,300)	(985,286)
	0403046	2017	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(77,573)	(985,286)
			Increased/(Decrease)			-	(5,728)	(5,728)	(5,728)	(5,728)	(5,728)	(5,728)	(5,728)	(5,728)	(54,574)
0403047 - 0403047 - HARRIS DSW-PA DIR	0403047	2018	(24,806)	(24,806)	(25,955)	(26,638)	(26,638)	(26,638)	(26,638)	(26,638)	(26,638)	(26,638)	(26,638)	(26,638)	(315,310)
	0403047	2017	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(24,806)	(297,678)
			Increased/(Decrease)			(1,148)	(1,832)	(1,832)	(1,832)	(1,832)	(1,832)	(1,832)	(1,832)	(1,832)	(17,633)
0403048 - 0403048 - HARRIS DSW-WH DIR	0403048	2018	(17,202)	(17,202)	(17,988)	(18,472)	(18,472)	(18,472)	(18,472)	(18,472)	(18,472)	(18,472)	(18,472)	(18,472)	(218,648)
	0403048	2017	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(17,202)	(206,421)
			Increased/(Decrease)			(786)	(1,270)	(1,270)	(1,270)	(1,270)	(1,270)	(1,270)	(1,270)	(1,270)	(12,227)
0403049 - 0403049 - HARRIS DSW-NC IND	0403049	2018	(310,784)	(310,784)	(322,257)	(333,731)	(333,731)	(333,731)	(333,731)	(333,731)	(333,731)	(333,731)	(333,731)	(333,731)	(3,947,404)
	0403049	2017	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(310,784)	(3,739,405)
			Increased/(Decrease)			(11,474)	(22,947)	(22,947)	(22,947)	(22,947)	(22,947)	(22,947)	(22,947)	(22,947)	(207,999)
0403111 - 0403111 - Dep't Steam Tran Pk-SC	0403111	2018	-	-	(17,032)	(343,036)	(343,272)	(340,014)	(350,650)	(350,650)	(350,650)	(363,699)	(265,400)	(339,361)	(342,691)
	0403111	2017	-	-	-	-	-	-	-	-	-	-	-	-	-
			Increased/(Decrease)			(17,032)	(343,036)	(340,014)	(350,650)	(350,650)	(350,650)	(363,699)	(265,400)	(339,361)	(342,691)
0403211 - 0403211 - Dep't of Hydro Prod - SC	0403211	2018	-	-	(3,427)	(6,775)	(6,772)	(6,698)	(6,693)	(6,692)	(6,737)	(7,456)	(6,833)	(6,833)	(64,917)
	0403211	2017	-	-	(3,427)	(6,775)	(6,772)	(6,698)	(6,693)	(6,692)	(6,737)	(7,456)	(6,833)	(6,833)	(64,917)
			Increased/(Decrease)			-	-	-	-	-	-	-	-	-	-

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0403311 - 0403311 - Depr Transm Pk - SC	0403311	-	-	(16,679)	(33,922)	(34,062)	(34,194)	(34,489)	(34,664)	(34,919)	(35,162)	(35,466)	(156,930)
0403311	0403311	(4,486)	(4,486)			(1,954)		(1,954)	(64)			(1,704)	(1,704)
0403310 - 0403310 - Depr Transm Pk - NC	0403310	4,486	(16,679)	(33,922)	(34,062)	(34,194)	(34,489)	(32,120)	(34,275)	(35,162)	(200,274)	(448,566)	(499,846)
0403310	0403310	(127,950)	-	-	-	-	-	(561,287)	(58,924)	-	-	(42,833)	(42,833)
0403410 - 0403410 - Depr Distrib - NC	0403410	27,980	-	-	-	-	-	561,287	58,924	-	-	(42,833)	605,328
0403410	0403410	-	-	-	-	-	-	-	-	-	-	-	-
0403411 - 0403411 - Depr Distrib - SC	0403411	-	1,34,087	-	-	-	-	(754,186)	(130,829)	-	-	(391,072)	1,043,015
0403411	0403411	(648,072)	-	-	-	-	-	754,186	130,829	-	-	(391,072)	(1,454,087)
0403800 - 0403800 - Decommissioning Expense	0403800	-	43,258	405,385	801,235	807,396	812,226	825,994	763,610	145,614	(138,105)	564,181	5,870,214
0403800	0403800	(234,492)	-	-	-	-	-	195,246	(6,012)	-	-	564,181	(43,258)
0403611 - 0403611 - Depr Cntrl Turbine - SC	0403611	-	277,750	405,385	801,235	807,396	839,401	630,748	767,622	145,614	(138,105)	564,181	5,913,472
0403611	0403611	-	-	-	-	-	-	-	-	-	-	-	-
0403710 - 0403710 - Depr Nuc Product - NC	0403710	-	-	-	-	-	-	-	-	-	-	-	-
0403710	0403710	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(1,022,167)	(12,266,004)
0403711 - 0403711 - Depr Nuc Product - SC	0403711	-	-	-	-	-	-	-	-	-	-	-	-
0403711	0403711	(189,100)	(189,100)	(355,874)	(555,043)	(540,250)	(549,111)	(548,165)	(548,568)	(853,699)	(587,433)	(587,433)	(6,053,367)
0403710	0403710	(189,100)	(189,100)	(189,100)	(189,100)	(189,100)	(189,100)	(189,100)	(189,100)	(189,100)	(189,100)	(189,100)	(2,269,200)
0403110 - 0403110 - Depr Steam Prod Pk - NC	0403110	-	-	-	-	-	-	-	-	-	-	-	-
0403110	0403110	(189,100)	(189,100)	(355,874)	(555,043)	(540,250)	(549,111)	(548,165)	(548,568)	(853,699)	(587,433)	(587,433)	(6,053,367)
0403602 - 0403602 - Roable Fleet Spare Amort	0403602	-	-	-	-	-	-	-	-	-	-	-	-
0403602	0403602	(148,287)	(148,287)	(148,287)	(167,757)	(167,757)	(167,757)	(167,757)	(203,116)	(203,116)	(133,983)	(133,983)	(1,938,375)
0404100 - 0404100 - Amort of Limited Term Elec Pk	0404100	(125,227)	(125,227)	(125,227)	(125,227)	(125,227)	(125,227)	(125,227)	(125,227)	(125,227)	(148,287)	(148,287)	(1,568,845)
0404100	0404100	(23,059)	(23,059)	(23,059)	(42,530)	(42,530)	(42,530)	(42,530)	(77,889)	(177,889)	14,303	14,303	(389,531)
0404200 - 0404200 - Amort of Elec Pk - Software	0404200	-	-	-	-	-	-	-	-	-	-	-	-
0404200	0404200	3,782,255	3,604,843	3,848,311	3,780,546	721,674	3,518,656	3,689,320	3,723,736	3,688,097	3,971,060	4,031,953	42,029,733
0407002 - 0407002 - Brunswick Design Basis	0407002	1,278,733	1,256,552	1,263,114	1,197,709	(1,861,587)	314,333	86,553	253,787	522,381	57,474	(17,092)	4,107,241
0407002	0407002	45,611	45,611	45,611	45,611	45,611	45,611	45,611	45,611	45,611	45,611	45,611	547,327
0407003 - 0407003 - Robinson Design Basis	0407003	-	-	-	-	-	-	-	-	-	-	-	-
0407003	0407003	14,498	14,498	14,498	14,498	14,498	14,498	14,498	14,498	14,498	14,498	14,498	173,971
0407004 - 0407004 - Mayo 2 Abn Loss and AEC DGT Whtle	0407004	-	-	-	-	-	-	-	-	-	-	-	-
0407004	0407004	5,897	5,897	5,897	5,897	5,897	5,897	5,897	5,897	5,897	5,897	5,897	70,166
0407382 - 0407382 - Retired Plant Amort - White	0407382	-	-	-	-	-	-	-	-	-	-	-	-
0407382	0407382	207,165	207,165	216,673	275,116	226,580	226,580	226,580	207,165	226,580	226,580	226,580	2,718,659
0407381 - 0407381 - Retired Plant Amort - Retail	0407381	-	-	-	-	-	-	-	-	-	-	-	-
0407381	0407381	2,254,017	2,254,017	1,900,655	1,547,293	1,547,293	1,547,293	1,547,293	1,547,293	1,547,293	1,547,293	1,547,293	20,334,328
0407102 - 0407102 - Harris COIA Amort - Retail	0407102	-	-	-	-	-	-	-	-	-	-	-	-
0407102	0407102	2,254,017	2,254,017	2,254,017	2,254,017	2,254,017	2,254,017	2,254,017	2,254,017	2,254,017	2,254,017	2,254,017	27,048,403
0407101 - 0407101 - Harris COIA Amort - Wholesale	0407101	-	-	-	-	-	-	-	-	-	-	-	-
0407101	0407101	59,144	59,144	59,144	59,144	59,144	59,144	59,144	59,144	59,144	59,144	59,144	709,726
0407101	0407101	60,044	60,044	60,044	60,044	60,044	60,044	60,044	60,044	60,044	60,044	60,044	727,588

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0407350 - 0407350 - REPS Riser NC Retail	1,329,183	8,869	9,950	8,888	8,894	9,153	9,244	9,738	8,978	9,753	9,356	125,764	1,507,151
0407350	287,120	268,490	772,182	235,044	268,318	253,219	254,281	258,066	253,202	267,664	253,925	183,083	3,510,922
Increased/(Decrease)	1,041,463	(259,621)	(762,322)	(220,157)	(259,424)	(244,165)	(245,037)	(248,258)	(244,282)	(257,910)	(244,589)	(123,319)	(1,963,242)
0407351 - 0407351 - REPS Riser NC White	-	-	-	-	-	-	-	-	-	-	-	-	-
0407351	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	(2,516)	9,870
Increased/(Decrease)	(1,116)	(1,116)	(1,116)	(1,116)	(1,116)	(1,116)	(1,116)	(1,116)	(1,116)	(1,116)	(1,116)	2,516	(9,870)
0407352 - 0407352 - REPS Riser NC Retail-Cert	(946,592)	(1,971,151)	(1,993,187)	(1,995,449)	(1,990,847)	(1,992,332)	(1,994,209)	(2,006,158)	(1,914,542)	(2,086,694)	(1,994,265)	(2,416,816)	(2,339,143)
0407352	(3,485,280)	(3,411,922)	(2,985,188)	(3,207,710)	(3,660,970)	(3,485,680)	(3,352,912)	(3,485,172)	(3,552,912)	(3,682,347)	(3,485,939)	(2,686,952)	(6,419,595)
Increased/(Decrease)	2,517,248	1,440,771	971,821	1,212,261	1,669,423	1,465,827	1,676,464	1,496,594	1,540,630	1,553,653	1,471,074	270,136	17,026,162
0407353 - 0407353 - REPS Riser NC White-Cert	(13,714)	(13,714)	(13,714)	(13,714)	(13,714)	(13,714)	(13,714)	(13,714)	(13,714)	(13,714)	(13,714)	23,726	(127,133)
0407353	13,714	13,714	13,714	13,714	13,714	13,714	13,714	13,714	13,714	13,714	13,714	(23,726)	127,133
Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	23,726	(127,133)
0407324 - 0407324 - NC & MW Coal As Amort Exp	-	-	1,698,450	2,634,119	3,396,900	3,396,900	3,396,900	3,396,900	6,646,900	3,896,900	3,896,900	3,896,900	36,257,770
0407324	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	1,698,450	2,634,119	3,396,900	3,396,900	3,396,900	3,396,900	6,646,900	3,896,900	3,896,900	3,896,900	36,257,770
0407325 - 0407325 - SC & FL Coal Ash Amortization	-	-	-	641,091	62,667	62,667	62,667	62,667	62,667	62,667	62,667	62,667	1,142,423
0407325	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	-	641,091	62,667	62,667	62,667	62,667	62,667	62,667	62,667	62,667	1,142,423
0407326 - 0407326 - Wholesale Coal Ash Amort Exp	-	-	-	45,085,124	11,238,251	4,299,891	11,238,251	11,238,251	(9,300,622)	11,238,251	4,807,985	15,287,262	105,130,644
0407326	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	-	45,085,124	11,238,251	4,299,891	11,238,251	11,238,251	(9,300,622)	11,238,251	4,807,985	15,287,262	105,130,644
0407327 - 0407327 - Unpliable Coal Ash Expense	-	-	169,684	403,689	148,474	119,579	162,1828	164,958	129,865	161,452	148,017	231,281	3,278,827
0407327	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	169,684	403,689	148,474	119,579	162,1828	164,958	129,865	161,452	148,017	231,281	3,278,827
0407328 - 0407328 - Nuclear Levelization NC	-	-	14,459,038	1,701,068	850,534	(17,010,640)	-	-	-	-	-	-	-
0407328	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	14,459,038	1,701,068	850,534	(17,010,640)	-	-	-	-	-	-	-
0407334 - 0407334 - Reg Debit - DSM/EI NC O and M	12,101,371	7,966,149	5,739,294	6,059,169	5,157,943	8,022,860	8,749,921	8,377,073	8,010,038	7,472,708	5,987,749	4,314,309	87,968,043
0407334	7,079,463	5,671,449	5,585,959	5,248,939	5,248,939	6,243,811	8,318,554	8,007,667	7,521,885	6,987,481	6,467,481	6,483,248	75,086,615
Increased/(Decrease)	5,021,908	2,294,700	141,529	1,573,616	(90,996)	1,779,459	431,367	369,205	497,183	1,672,527	1,360,269	(2,168,939)	12,881,828
0407335 - 0407335 - Reg Debit - DSM/EI SC O and M	3,354,393	2,348,992	1,414,716	1,469,364	1,314,597	2,113,715	2,290,268	2,324,948	1,860,154	1,576,512	1,576,512	1,779,948	2,456,376
0407335	2,083,952	1,480,993	1,425,668	1,335,668	1,292,506	1,662,327	2,082,506	1,958,021	2,038,966	1,232,655	1,232,655	1,525,524	16,695,356
Increased/(Decrease)	1,270,441	867,999	(11,287)	230,187	(21,071)	470,993	307,762	431,997	288,272	425,376	324,447	154,424	4,736,840
0407329 - 0407329 - Wayne NC Regulatory Debit	470,677	470,677	470,677	470,677	470,677	470,677	470,677	470,677	470,677	470,677	470,677	470,677	470,677
0407329	459,424	459,424	459,424	459,424	459,424	459,424	459,424	459,424	459,424	459,424	459,424	459,424	459,424
Increased/(Decrease)	11,253	11,253	11,253	11,253	(335,303)	357,809	11,253	(1,751,337)	(341,265)	(341,265)	(341,265)	(341,265)	(3,037,626)
0407370 - 0407370 - SO2 EA Amortization	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(208,333)	(2,651,150)
0407370	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-	-
0407380 - 0407380 - Reg Debit - Retired Plant NC	385,180	385,180	385,180	385,180	385,180	385,180	385,180	385,180	385,180	385,180	385,180	385,180	4,622,150
0407380	476,809	476,809	476,809	476,809	476,809	476,809	476,809	476,809	476,809	476,809	476,809	476,809	476,809
Increased/(Decrease)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(91,629)	(1,095,548)
0407342 - 0407342 - Nuclear Fuel - Last Core Amort	345,739	345,739	345,739	345,739	345,739	345,739	345,739	345,739	345,739	345,739	345,739	345,739	345,739
0407342	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-	-
0407375 - 0407375 - M&S Inv LOI Reserve Amort	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768
0407375	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768	326,768
Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-	-
0407373 - 0407373 - Buck Retired Plant Amort-SC	-	-	48,905	97,811	97,811	97,811	97,811	97,811	97,811	97,811	97,811	97,811	904,083
0407373	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)	-	-	48,905	97,811	97,811	97,811	97,811	97,811	97,811	97,811	97,811	97,811	904,083
0407358 - 0407358 - Reg Debit - DSM/EI NC	3,664,307	2,715,090	2,656,602	2,594,555	2,986,717	3,131,895	3,114,379	2,951,191	2,844,937	2,663,384	2,663,384	3,499,288	34,999,288
0407358	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627	2,853,627
Increased/(Decrease)	420,680	216,937	(118,770)	37,793	(186,611)	(1,896)	(177,961)	(125,265)	(186,279)	(9,701)	(46,745)	(460,041)	(636,361)
0407359 - 0407359 - Reg Debit - DSM/EI SC	555,997	505,429	403,109	400,583	377,311	443,942	467,440	460,938	443,995	412,287	380,516	404,920	5,253,766
0407359	545,433	476,566	470,569	443,130	458,728	469,342	543,348	528,507	469,319	443,329	443,329	489,800	5,839,447
Increased/(Decrease)	7,553	28,864	(67,461)	(42,547)	(80,818)	(55,400)	(75,908)	(67,569)	(79,672)	(57,032)	(62,813)	(84,880)	(537,681)

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0407339 - 0407339 - Sutton SC Regulatory Debt	0407339 0407339 Increased/(Decrease)	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	66,819 64,066 2,753	801,828 782,732 39,096
0407392 - 0407392 - Amort Debt Rec-NC	0407392 0407392 Increased/(Decrease)	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	159,182 156,981 2,201	1,179,802 1,165,981 13,821
0407393 - 0407393 - Amort Debt Rec-SC	0407393 0407393 Increased/(Decrease)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	57,788 60,765 (2,977)	693,456 729,180 (35,724)
0407383 - 0407383 - Amort Coal Ash Spend - Whale	0407383 0407383 Increased/(Decrease)	11,403,777 281,704 11,122,073	8,759,428 62,668 8,696,761	13,783,842 62,668 13,721,176	(33,394,047) 62,668 (34,009,715)	- 62,668 (62,668)	132,488 62,668 (132,488)	112,488 62,668 (132,488)	77,270,989 (77,270,989)	311,404 (311,404)	264,818 (264,818)	5,140,016 (5,140,016)	83,947,143 (83,947,143)
0407396 - 0407396 - Amortization Storm NC	0407396 0407396 Increased/(Decrease)	- - -	14,459,038 (13,608,504) (850,534)	- (850,534) (850,534)	- (850,534) (850,534)	- 17,861,174 17,861,174	850,534 850,534 850,534	850,534 850,534 850,534	850,534 850,534 850,534	850,534 850,534 850,534	850,534 850,534 850,534	850,534 850,534 850,534	22,964,378 22,964,378 -
0407398 - 0407398 - EOT Rider Amortization	0407398 0407398 Increased/(Decrease)	- - -	- (172,241) (172,241)	- (172,241) (172,241)	- (172,241) (172,241)	- (1,033,449) (1,033,449)	344,483 (344,483) (344,483)	344,483 (344,483) (344,483)	344,483 (344,483) (344,483)	344,483 (344,483) (344,483)	344,483 (344,483) (344,483)	344,483 (344,483) (344,483)	3,272,588 (3,272,588) -
0407115 - 0407115 - Meter Amortization	0407115 0407115 Increased/(Decrease)	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	377,415 377,415 -
0407388 - 0407388 - COR Settlement Amortz - NC	0407388 0407388 Increased/(Decrease)	- - -	30,303 30,303 -	60,606 60,606 -	60,606 60,606 -	60,606 60,606 -	60,606 60,606 -	60,606 60,606 -	60,606 60,606 -	60,606 60,606 -	60,606 60,606 -	60,606 60,606 -	575,758 575,758 -
0407601 - 0407601 - Continued Amortization	0407601 0407601 Increased/(Decrease)	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	1,747,700 (340,710) (340,710)
0411603 - 0411603 - Gain on Asset Ret Obligation	0411603 0411603 Increased/(Decrease)	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	(0) (0) -
0411832 - 0411832 - NOx Sales Proceeds	0411832 0411832 Increased/(Decrease)	- - -	69,500 150,000 (80,500)	- - -	95,550 - 95,550	180,000 - (180,000)	- - -	- - -	- - -	- - -	- - -	- - -	165,650 20,000 (20,000)
0411875 - 0411875 - Annual NOx Proceeds	0411875 0411875 Increased/(Decrease)	- - -	300 7,500 (7,200)	10,000 - (10,000)	- - -	500 - (500)	- - -	- - -	- - -	- - -	- - -	- - -	300 28,000 (27,700)
0411802 - 0411802 - SO2 Gain on Disp of Allowances	0411802 0411802 Increased/(Decrease)	- - -	- - -	- - -	54 - 54	- - -	- - -	- - -	- - -	- - -	- - -	- - -	54 52 2
0406505 - 0406505 - Amort Exp - Acq Purch Adj	0406505 0406505 Increased/(Decrease)	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	1,063,228 1,063,228 -	12,758,733 11,758,733 1,000,000
0407450 - 0407450 - NC Amort of Retail REC Exp	0407450 0407450 Increased/(Decrease)	- - -	- - -	- - -	- - -	(18,424,408) (6,595,362) (11,829,046)	- - -	- - -	- - -	- - -	- - -	- - -	(18,424,408) (6,595,362) (11,829,046)
0407451 - 0407451 - NC Amort of Whse REC Exp	0407451 0407451 Increased/(Decrease)	- - -	- - -	- - -	- - -	(26,145) (11,826,780) (11,852,925)	- - -	- - -	- - -	- - -	- - -	- - -	(26,145) (11,852,925) (11,879,070)
0407414 - 0407414 - DSM EE Capital Deferral	0407414 0407414 Increased/(Decrease)	(1,070,542) (1,064,302) (6,241)	(1,070,559) (1,064,339) (6,220)	(1,070,563) (1,064,359) (6,226)	(1,070,572) (1,064,369) (6,214)	(1,063,379) (1,068,686) (5,307)	(1,066,899) (1,070,102) 3,203	(1,066,943) (1,070,149) 3,173	(1,066,985) (1,070,196) 3,146	(1,067,000) (1,070,180) 3,160	(1,067,012) (1,070,194) 3,182	(1,067,012) (1,070,210) 3,198	(331,612) (2,887,700) 2,556,088
0407416 - 0407416 - Reg Credit DSM EE Other	0407416 0407416 Increased/(Decrease)	(2,310,328) (2,269,278) (44,100)	(2,309,724) (2,253,607) (56,117)	(2,231,745) (2,287,645) 10,201	(2,169,399) (2,242,734) 73,356	(2,184,021) (2,240,085) 55,664	(2,171,013) (2,239,280) 68,267	(2,154,313) (2,236,199) 81,886	(2,154,450) (2,241,134) 92,684	(2,144,171) (2,240,123) 95,951	(2,125,046) (2,237,774) 112,728	(2,116,354) (2,237,700) 121,346	(6,253,581) (2,987,997) 3,265,584
0407418 - 0407418 - Pollution Ctrl SC Deprec Other	0407418 0407418 Increased/(Decrease)	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	209,473 209,473 -	2,513,675 3,109,158 (595,483)

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0407429 - 0407429 - Regulatory Credit - Cor	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)	0407429 0407429 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	-	-	(3,083,333)	1,541,667	(1,541,667)	(1,541,667)	(1,541,667)	(1,541,667)	(1,541,667)	(1,541,667)	(1,541,667)	(1,541,667)	(18,500,000)
0407432 - 0407432 - Reg Credit - DSM/EE NCO and M	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)	0407432 0407432 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(5,191,707)	(5,191,707)	(5,533,215)	(6,964,696)	(7,086,699)	(5,663,800)	(5,324,697)	(7,221,644)	(5,816,067)	(5,072,440)	(5,909,591)	(6,609,457)	(72,924,432)
	(4,899,646)	(4,899,646)	(5,643,448)	(7,185,944)	(7,232,284)	(7,439,978)	(7,295,978)	(8,120,323)	(5,825,022)	(6,675,679)	(7,942,023)	(7,854,985)	(84,289,085)
0407433 - 0407433 - Reg Credit - DSM/EE SCO and M Def	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)	0407433 0407433 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(685,963)	(685,963)	(1,054,904)	(1,163,210)	(1,099,082)	(1,113,919)	(941,193)	(881,245)	(1,186,445)	(954,514)	(839,917)	(1,177,563)	(12,162,471)
	(682,241)	(682,241)	(844,868)	(1,285,261)	(1,293,932)	(1,243,122)	(1,183,440)	(1,155,295)	(980,519)	(1,116,421)	(1,367,912)	(1,410,032)	(14,010,382)
0407437 - 0407437 - Harris Gas NC	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)	0407437 0407437 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(128,287)	(641,434)
0407452 - 0407452 - NCEMVA NC Deferral & Amortiz	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)	0407452 0407452 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	593,000	593,000	593,000	593,000	593,000	593,000	593,000	593,000	593,000	593,000	593,000	593,000	6,523,000
	603,000	603,000	603,000	603,000	603,000	603,000	603,000	603,000	603,000	603,000	603,000	483,000	7,116,000
0407453 - 0407453 - NCEMVA SC Deferral & Amortiz	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)	0407453 0407453 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	37,417	37,417	37,417	37,417	37,417	37,417	37,417	37,417	37,417	37,417	37,417	37,417	449,004
	1,729,506	1,729,506	(4,469)	(4,435)	(4,421)	(4,398)	(4,375)	(6,274,100)	38,397	37,999	37,609	37,609	(4,376,698)
0407700 - 0407700 - SC DERP Amortization	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)	0407700 0407700 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	41,017	41,017	49,758	50,020	57,739	62,207	67,717	74,720	75,168	75,168	77,317	77,317	783,315
	5,196	5,196	5,633	6,259	7,654	18,467	26,557	33,452	38,768	39,005	39,691	40,830	259,217
0407160 - 0407160 - NCEMVA SC Debt & Equity Return	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)	0407160 0407160 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(20,414)	(244,968)
	4,757,897	4,757,897	18,727	19,439	(40,210)	2,0152	6,290,256	(21,361)	(21,361)	(20,704)	(20,282)	(19,555)	(11,286,789)
0407454 - 0407454 - NCEMVA NC deferral/recovery	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)	0407454 0407454 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	(9,615,200)	(9,615,200)	(5,415,796)	(1,399,060)	4,171,383	1,599,230	7,818,325	(165,566)	(367,667)	1,775,474	3,318,595	497,450	4,242,732
	(10,987,894)	(10,987,894)	(7,590,455)	(2,170,147)	1,698,733	771,141	1,698,733	583,908	(950,575)	1,599,529	1,234,862	452,512	(6,521,762)
0407424 - 0407424 - Amortization	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)	0407424 0407424 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	-	-	-	-	-	-	-	-	-	-	-	-	(3,964,141)
0407462 - 0407462 - Continued Amortization	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)	0407462 0407462 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	-	-	-	-	-	-	-	-	-	-	-	-	(78,893,956)
0510000 - 0510000 - Suppvn and Engrng - Steam Maint	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)	0510000 0510000 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	465,167	465,167	454,780	441,794	413,010	407,601	378,190	422,038	418,774	412,752	398,604	352,843	5,020,389
	398,566	398,566	436,480	431,349	386,504	385,410	473,947	473,947	438,724	397,258	389,272	431,728	4,012,163
0511000 - 0511000 - Maint of Structures - Steam	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)	0511000 0511000 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	485,999	485,999	861,199	366,187	617,691	854,460	734,133	513,918	694,148	3,881,815	2,874,789	(2,881,387)	11,659,549
	171,267	171,267	791,525	1,179,241	435,662	469,242	1,194,465	1,124,812	865,311	683,101	299,517	913,927	9,053,238
0512100 - 0512100 - Maint of Boiler Plant - Other	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)	0512100 0512100 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	2,126,398	2,126,398	2,009,113	3,882,479	3,335,104	3,471,344	3,825,761	1,151,237	3,189,954	2,683,396	2,956,195	3,647,895	35,112,887
	2,427,979	2,427,979	1,720,747	2,651,735	2,883,021	3,244,652	1,867,064	2,242,838	2,897,357	2,999,901	2,999,901	3,271,229	30,665,988
0513100 - 0513100 - Maint of Electric Plant - Other	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)	0513100 0513100 Increased/(Decrease)
	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	474,732	474,732	184,692	447,143	584,355	315,573	208,280	435,501	201,100	371,636	234,824	341,741	4,379,809
	357,386	357,386	367,986	397,844	716,572	1,224,932	2,64,636	2,64,636	2,64,636	447,589	419,164	409,340	6,348,432
0514000 - 0514000 - Maintenance - Mktg Steam Plant	0514000 0514000 Increased/(Decrease)	0514000 0514000 Increased/(Decrease)	0514000 0514000 Increased/(Decrease)										

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0514300 - 0514300 - Maintenance - Misc Steam Plant	0514300 2018 412	0514300 2017 504	0514300 2018 118	0514300 2017 215	0514300 2018 347	0514300 2017 259	0514300 2018 266	0514300 2017 163	0514300 2018 264	0514300 2017 264	0514300 2018 180	0514300 2017 172	0514300 2018 3,165
	Increased/(Decrease)	231	226	293	264	270	275	512	357	313	317	281	3,573
0510001 - 0510001 - Deferred O&M-NC	0510001 2018 -	0510001 2017 279	0510001 2018 (175)	0510001 2017 (48)	0510001 2018 77	0510001 2017 14	0510001 2018 (9)	0510001 2017 (324)	0510001 2018 (248)	0510001 2017 131	0510001 2018 (177)	0510001 2017 (100)	0510001 2018 (469)
	Increased/(Decrease)	-	-	155	134	216	4	8	4	4	4	4	537
0513102 - 0513102 - Main Electric Pk - NC	0513102 2018 32	0513102 2017 32	0513102 2018 (112)	0513102 2017 (68)	0513102 2018 31	0513102 2017 212	0513102 2018 25	0513102 2017 32	0513102 2018 32	0513102 2017 32	0513102 2018 32	0513102 2017 32	0513102 2018 (451)
	Increased/(Decrease)	-	-	699	230	699	35	55	27	27	27	27	1,013
0513103 - 0513103 - Main Electric Pk - SC	0513103 2018 6	0513103 2017 6	0513103 2018 (14)	0513103 2017 (105)	0513103 2018 6	0513103 2017 12	0513103 2018 12	0513103 2017 18	0513103 2018 12	0513103 2017 12	0513103 2018 12	0513103 2017 12	0513103 2018 121
	Increased/(Decrease)	-	6	6	(105)	6	6	6	6	6	6	6	(107)
0541000 - 0541000 - Supervn and Engrng - Hydro Maint	0541000 2018 17,339	0541000 2017 19,898	0541000 2018 19,401	0541000 2017 20,154	0541000 2018 22,572	0541000 2017 22,438	0541000 2018 22,360	0541000 2017 21,166	0541000 2018 17,495	0541000 2017 16,554	0541000 2018 21,062	0541000 2017 24,646	0541000 2018 245,085
	Increased/(Decrease)	14,489	16,205	18,609	20,201	24,145	21,914	24,105	19,695	27,091	19,317	21,588	245,450
0542000 - 0542000 - Maint of Structures - Hydro	0542000 2018 16,434	0542000 2017 16,408	0542000 2018 16,133	0542000 2017 16,005	0542000 2018 16,005	0542000 2017 14,694	0542000 2018 25,436	0542000 2017 28,530	0542000 2018 4,685	0542000 2017 10,699	0542000 2018 3,316	0542000 2017 36,388	0542000 2018 187,001
	Increased/(Decrease)	20,264	13,359	5,694	6,106	26,788	33,064	28,532	55,762	11,797	9,633	31,346	256,607
0543000 - 0543000 - Maint - Reservoir Dam and Waterway	0543000 2018 97,394	0543000 2017 31,102	0543000 2018 161,004	0543000 2017 78,277	0543000 2018 67,221	0543000 2017 81,835	0543000 2018 62,024	0543000 2017 156,236	0543000 2018 151,929	0543000 2017 75,860	0543000 2018 49,469	0543000 2017 23,281	0543000 2018 970,911
	Increased/(Decrease)	64,292	133,423	78,277	30,502	82,778	148,258	220,441	194,025	127,771	143,958	218,617	1,333,938
0544000 - 0544000 - Maint of Electric Plant - Hydro	0544000 2018 26,569	0544000 2017 30,153	0544000 2018 53,367	0544000 2017 57,331	0544000 2018 27,516	0544000 2017 36,524	0544000 2018 28,814	0544000 2017 52,378	0544000 2018 87,905	0544000 2017 283,513	0544000 2018 386,277	0544000 2017 (628,514)	0544000 2018 441,833
	Increased/(Decrease)	28,087	58,496	86,359	122,924	125,736	41,509	41,699	14,699	71,257	28,639	50,829	707,046
0545100 - 0545100 - Maint - Misc Hydraulic Plant	0545100 2018 156,634	0545100 2017 114,011	0545100 2018 181,784	0545100 2017 164,444	0545100 2018 289,514	0545100 2017 160,401	0545100 2018 78,672	0545100 2017 91,051	0545100 2018 76,571	0545100 2017 90,317	0545100 2018 100,783	0545100 2017 412,994	0545100 2018 1,594,810
	Increased/(Decrease)	92,451	(8,210)	37,789	(82,603)	129,114	(147,114)	(40,662)	(70,073)	21,014	(2,914)	37,148	(191,914)
0545400 - 0545400 - Recreation Facilities - Hydro	0545400 2018 2,649	0545400 2017 1,450	0545400 2018 2,660	0545400 2017 7,143	0545400 2018 4,246	0545400 2017 5,928	0545400 2018 1,547	0545400 2017 6,733	0545400 2018 9,817	0545400 2017 8,948	0545400 2018 9,305	0545400 2017 13,247	0545400 2018 73,393
	Increased/(Decrease)	833	1,450	5,047	452	1,963	5,199	7,518	8,882	2,868	1,786	4,647	44,647
0568000 - 0568000 - Supervn and Engrng - Trans Maint	0568000 2018 42	0568000 2017 42	0568000 2018 -	0568000 2017 -	0568000 2018 -	0568000 2017 -	0568000 2018 -	0568000 2017 -	0568000 2018 -	0568000 2017 -	0568000 2018 -	0568000 2017 -	0568000 2018 -
	Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-
0569000 - 0569000 - Maint of Structures - Trans	0569000 2018 186,581	0569000 2017 115,146	0569000 2018 308,105	0569000 2017 319,472	0569000 2018 324,762	0569000 2017 146,584	0569000 2018 238,234	0569000 2017 893,091	0569000 2018 (100,692)	0569000 2017 546,253	0569000 2018 270,001	0569000 2017 (1,906,556)	0569000 2018 1,339,981
	Increased/(Decrease)	146,933	94,614	268,438	273,781	300,653	(397,452)	111,544	799,013	468,881	202,202	(2,277,727)	(288,846)
0569100 - 0569100 - Maint of Computer Hardware	0569100 2018 -	0569100 2017 -	0569100 2018 11	0569100 2017 -	0569100 2018 -	0569100 2017 3,368	0569100 2018 -	0569100 2017 296	0569100 2018 -	0569100 2017 -	0569100 2018 -	0569100 2017 -	0569100 2018 11
	Increased/(Decrease)	-	-	-	-	(3,368)	-	(296)	-	-	-	-	-
0569200 - 0569200 - Maint of Computer Software	0569200 2018 130,833	0569200 2017 475,060	0569200 2018 144,015	0569200 2017 110,289	0569200 2018 498,134	0569200 2017 195,396	0569200 2018 152,549	0569200 2017 131,861	0569200 2018 512,709	0569200 2017 155,419	0569200 2018 173,682	0569200 2017 363,134	0569200 2018 3,043,183
	Increased/(Decrease)	109,018	151,771	512,298	494,126	199,261	133,972	428,277	672,692	(397,242)	496,908	(1,316,249)	1,906,119
0570100 - 0570100 - Maint Stat Equip - Other Trans	0570100 2018 46,539	0570100 2017 37,269	0570100 2018 36,564	0570100 2017 22,586	0570100 2018 (30,033)	0570100 2017 80,979	0570100 2018 10,944	0570100 2017 8,588	0570100 2018 22,700	0570100 2017 24,312	0570100 2018 4,653	0570100 2017 17,260	0570100 2018 200,607
	Increased/(Decrease)	30,351	29,291	16,383	(6,663)	52,655	31,732	63,614	5,487	(13,705)	3,689	44,689	224,449
0570200 - 0570200 - Main GI Bins Trans Mtns - Trans	0570200 2018 249,217	0570200 2017 521,198	0570200 2018 661,887	0570200 2017 484,516	0570200 2018 596,843	0570200 2017 373,010	0570200 2018 65,574	0570200 2017 476,552	0570200 2018 157,893	0570200 2017 200,850	0570200 2018 168,308	0570200 2017 171,320	0570200 2018 3,643,769
	Increased/(Decrease)	779,143	521,198	548,423	191,727	342,216	(298,687)	179,222	376,132	355,495	308,956	423,266	3,658,571
0571000 - 0571000 - Maint of Overhead Lines - Trans	0571000 2018 633,605	0571000 2017 463,496	0571000 2018 966,895	0571000 2017 721,503	0571000 2018 579,492	0571000 2017 1,967,759	0571000 2018 1,690,455	0571000 2017 894,311	0571000 2018 1,687,091	0571000 2017 (2,167,341)	0571000 2018 (25,032,519)	0571000 2017 12,479,175	0571000 2018 117,040,955
	Increased/(Decrease)	1,708,363	(876,337)	(59,699)	(347,546)	(818,663)	(34,344)	695,819	638,576	1,184,866	(25,952,227)	718,381	96,575
0573000 - 0573000 - Maint of Misc Trans Plant	0573000 2018 251,159	0573000 2017 81,379	0573000 2018 (339,945)	0573000 2017 209,446	0573000 2018 (140,131)	0573000 2017 16,336	0573000 2018 23,483	0573000 2017 (12,710)	0573000 2018 92,265	0573000 2017 (65,217)	0573000 2018 (19,515)	0573000 2017 1,337	0573000 2018 25
	Increased/(Decrease)	387	75,659	(341,755)	203,025	15,652	23,440	614	92,114	(66,783)	(20,174)	1,302	60,233
0590000 - 0590000 - Supervn and Engrng - Dis Maint	0590000 2018 2,091	0590000 2017 -	0590000 2018 1,952	0590000 2017 4,206	0590000 2018 4,235	0590000 2017 3,976	0590000 2018 3,970	0590000 2017 43,030	0590000 2018 66,439	0590000 2017 76,952	0590000 2018 105,157	0590000 2017 114,037	0590000 2018 426,045
	Increased/(Decrease)	1,973	-	1,920	2,460	2,801	-	2,919	66,439	76,952	105,157	114,037	426,045
	118	-	32	1,745	4,235	1,176	3,970	40,811	65,623	76,805	104,540	114,037	413,491

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0592100 - 0592100 - Maint Station Equip - Other - Dist	8,431	54,474	64,447	30,621	28,533	63,696	73,386	99,720	43,960	113,822	106,479	92,590	780,491
0592100	113,102	149,035	118,246	52,593	82,723	163,389	110,584	76,759	110,043	115,595	74,256	35,302	1,201,236
Increased/(Decrease)		(106,671)	(94,561)	(53,689)	(21,972)	(53,570)	(37,198)	23,011	(79,083)	(1,777)	32,223	57,649	(429,559)
0592200 - 0592200 - CR Buses Transit Meters - Ely - Dist	94,474	66,477	115,648	89,057	122,545	145,989	167,082	131,179	125,182	67,788	125,025	74,123	1,303,570
0592200	113,006	124,552	152,424	152,424	141,484	142,804	142,804	142,804	142,804	142,804	142,804	142,804	1,303,570
Increased/(Decrease)		(26,532)	(66,079)	(66,345)	(238,580)	(44,298)	(295,585)	(440,011)	(207,908)	(102,006)	21,768	(681,455)	(671,455)
0593000 - 0593000 - Maint Overhead Lines - Other - Dist	3,602,315	19,026,852	1,509,447	2,240,821	1,754,390	665,149	1,939,825	7,967,895	17,564,445	(8,667,939)	2,168,852	35,541,822	85,773,874
0593000	7,083,934	4,834,802	4,316,339	4,834,954	7,083,492	4,056,122	3,680,942	11,732,664	11,541,244	3,562,793	5,533,615	9,341,719	77,781,144
Increased/(Decrease)	(3,479,599)	14,192,050	(2,486,293)	(2,577,743)	(5,327,102)	(3,980,939)	(1,761,117)	(3,965,590)	6,223,201	(12,280,690)	(3,982,763)	26,300,102	7,992,180
0593100 - 0593100 - Right - Of - Way Maintenance - Dist	2,609,469	293,448	3,208,095	3,810,053	3,582,425	2,960,698	2,739,603	3,595,608	1,957,824	2,497,546	3,369,861	2,783,871	36,073,502
0593100	6,983	15,232	15,232	28,402	22,603	28,112	30,354	13,565	10,579	21,282	12,550	6,443	20,705,26
Increased/(Decrease)	2,609,466	2,918,216	3,192,863	3,781,651	3,559,822	2,932,486	2,709,249	3,582,043	1,947,245	2,476,264	3,357,312	2,777,428	35,865,975
0594000 - 0594000 - Maint - Underground Lines - Dist	296,933	482,600	685,156	607,129	656,566	965,068	790,381	908,473	631,102	671,370	687,440	713,134	8,095,371
0594000	380,914	353,495	371,347	301,258	392,151	414,789	370,089	389,036	500,079	296,329	285,590	497,347	4,550,204
Increased/(Decrease)	(72,981)	129,105	313,810	305,871	264,414	550,279	420,311	519,437	122,023	375,041	402,050	215,787	3,545,166
0595100 - 0595100 - Maint Lines Transits - Other - Dist	61,364	103,830	70,433	70,433	59,368	76,173	86,268	166,290	75,643	105,223	103,985	78,333	1,049,410
0595100	56,940	54,524	86,807	54,270	54,270	63,297	43,986	55,207	70,100	74,246	60,716	54,515	775,574
Increased/(Decrease)	5,599	6,840	17,022	17,915	4,848	12,876	42,282	111,084	5,543	30,978	43,270	23,818	321,836
0595200 - 0595200 - CR Buses Transit Capacities - Dist	13,033	17,267	9,767	(2,885)	12,740	(1,517)	10,102	9,725	(1,997)	3,888	7,248	(1,590)	51,444
0595200	23,313	(20,037)	(5,460)	1,830	(3,795)	7,215	(4,917)	(4,917)	17,371	(6,592)	724	17,217	24,389
Increased/(Decrease)	(10,281)	37,304	15,226	(4,714)	16,535	(8,377)	12,581	14,642	(19,368)	10,481	(7,758)	(18,807)	27,054
0596000 - 0596000 - Maint - Streetlighting/Sign - Dist	565,645	410,863	656,767	1,128,314	468,412	506,076	404,019	586,066	361,067	659,545	520,713	1,888,865	8,256,330
0596000	595,200	553,493	941,074	689,461	691,132	327,419	562,438	558,364	726,731	658,148	762,922	721,125	7,789,348
Increased/(Decrease)	(31,655)	(42,630)	(284,307)	438,853	(222,720)	178,654	(158,419)	32,701	(365,664)	1,398	(241,879)	1,667,741	467,982
0597000 - 0597000 - Maintenance of Meters - Dist	112,205	112,205	144,832	136,112	129,334	123,663	125,219	143,450	116,126	131,492	148,346	138,344	1,581,599
0597000	135,897	135,897	166,119	142,626	142,626	123,321	126,550	123,321	149,977	126,842	123,280	128,260	1,638,226
Increased/(Decrease)	(11,112)	(23,692)	(21,387)	(11,027)	(13,092)	6,433	(1,331)	11,331	(33,851)	4,650	25,407	11,084	(56,627)
0598100 - 0598100 - Main Misc Dist Pk - Other - Dist	(235,437)	(243,117)	(157,306)	(316,855)	(825,197)	(703,343)	(590,769)	3,118,196	42,916	(31,423)	58,618	200,733	317,018
0598100	4,204	4,552	6,355	1,006	1,217	2,144	1,658	1,334	2,064	306	(239,610)	(229,803)	(444,674)
Increased/(Decrease)	(239,641)	(247,669)	(163,561)	(317,861)	(826,414)	(705,485)	(592,427)	3,116,862	40,853	(31,729)	298,228	430,536	761,691
0591000 - 0591000 - Maintenance of Structures - Dist	17,474	-	-	-	205	-	-	-	-	-	-	-	887,225
0591000	(17,474)	-	-	-	205	-	-	-	-	-	-	-	17,474
Increased/(Decrease)													889,956
0551000 - 0551000 - Surpven and Enginring - CT Maint	624,588	605,871	615,629	553,640	556,474	659,836	512,009	627,057	556,099	548,481	544,823	497,061	6,901,548
0551000	538,654	566,121	656,144	497,159	607,090	577,884	662,444	662,444	641,505	507,874	506,637	496,765	6,820,315
Increased/(Decrease)	86,934	39,750	(40,515)	56,481	(50,617)	81,943	(52,176)	(35,387)	(85,406)	40,608	38,256	296	81,247
0552000 - 0552000 - Maintenance of Structures - CT	351,738	312,700	218,917	469,993	754,111	400,103	223,467	526,629	626,591	1,643,658	2,697,288	(1,740,102)	6,485,833
0552000	449,226	437,853	249,527	326,438	459,303	373,311	304,767	307,984	432,789	580,085	314,099	748,157	4,983,289
Increased/(Decrease)	(97,488)	(125,153)	(30,610)	143,545	294,808	26,791	(81,301)	219,645	194,202	1,063,572	2,383,240	(2,488,259)	1,502,394
0553000 - 0553000 - Maint - Gengng and Elect Equip - CT	1,027,469	890,849	1,038,664	6,572,426	5,722,595	1,024,031	615,590	1,281,763	1,676,633	1,191,423	2,316,691	2,493,090	25,855,893
0553000	1,071,949	363,825	1,023,382	943,169	1,366,392	1,871,555	510,043	638,488	699,250	3,657,547	1,276,020	2,427,486	16,340,107
Increased/(Decrease)	(44,480)	527,024	14,682	5,632,256	4,356,204	(84,524)	105,486	643,274	979,383	(2,466,124)	540,271	63,605	9,506,786
0554000 - 0554000 - Misc Power Generation Plant - CT	1,274,454	12,65,269	992,370	887,507	501,782	990,384	563,240	1,222,733	786,369	1,013,070	790,459	1,385,708	12,109,554
0554000	838,963	1,274,623	1,691,924	1,120,934	1,281,620	1,281,620	1,281,620	1,281,620	1,281,620	1,281,620	1,281,620	1,281,620	15,799,335
Increased/(Decrease)	435,488	(9,353)	(728,24)	(293,427)	(805,558)	(379,239)	(666,380)	(211,088)	(558,427)	(400,854)	(559,220)	510,506	(3,696,780)
0553100 - 0553100 - CT Maint of Gen and Plant Recoverable	47	36	-	710	-	-	-	-	-	-	-	-	793
0553100	-	-	-	-	-	-	-	-	-	-	-	-	-
Increased/(Decrease)													793
0528000 - 0528000 - Maint Surpven and Enginring - Nuc	5,146,238	5,438,171	16,195,288	8,868,282	6,205,189	3,839,256	4,979,499	5,575,251	4,833,045	5,559,536	5,340,939	6,261,383	78,244,127
0528000	5,958,165	4,851,273	11,058,568	11,121,186	5,658,855	5,135,112	7,724,687	5,320,688	5,279,426	5,394,898	7,528,417	7,528,417	80,417,038
Increased/(Decrease)	(809,927)	586,899	5,136,720	(2,252,904)	546,823	(1,295,856)	(2,745,188)	254,563	(446,390)	174,637	(37,478)	(1,266,034)	(1,626,901)
0529000 - 0529000 - Maintenance of Structures - Nuc	1,036,166	1,066,411	1,431,382	1,274,252	1,478,050	980,084	729,551	619,703	3,011,976	1,702,098	1,230,430	1,271,394	15,831,466
0529000	1,189,112	1,272,484	1,940,231	1,196,671	1,270,166	1,142,785	1,032,482	1,381,143	1,361,143	1,361,143	1,361,143	1,361,143	15,831,466
Increased/(Decrease)	(131,946)	(406,073)	(508,849)	77,581	207,883	(162,701)	(302,931)	(815,289)	1,650,833	464,099	(62,490)	(294,628)	(84,411)
0530000 - 0530000 - Maint of Reactor Pk Equip - Nuc	6,080,011	5,958,840	12,497,483	8,861,089	4,263,514	2,605,996	3,135,916	3,412,278	5,526,178	5,925,541	4,681,256	1,718,512	64,486,615
0530000	5,060,450	7,729,017	23,672,380	7,693,604	7,693,604	3,629,387	3,629,387	3,629,387	4,637,059	3,725,970	3,040,152	7,796,128	73,924,997
Increased/(Decrease)	1,019,561	(1,770,177)	(11,175,096)	1,077,485	1,612,332	1,189,767	96,530	(346,562)	889,119	2,299,571	1,641,104	(6,077,616)	(9,838,382)

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

			JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0531100 - 0531100 - Maint Electric Plt - Other - Nuc	0531100	2018	1,929,660	2,422,770	9,052,699	6,817,073	2,865,740	3,401,697	2,233,332	2,304,670	3,400,676	3,342,299	1,799,728	17,021	39,336,664
0531100	0531100	2017	2,679,920	3,618,940	13,272,796	7,291,113	2,188,361	2,402,038	2,009,632	3,510,788	2,627,878	1,958,383	3,010,456	2,387,472	46,960,207
			Increased/(Decrease)	(750,360)	(1,156,229)	(4,220,280)	(1,100,040)	697,379	996,689	223,700	(1,205,219)	773,248	1,788,916	(1,250,277)	(7,623,243)
0531200 - 0531200 - Monitor Ventilation Gas - Nuc Maint	0531200	2018	-	-	-	-	-	-	-	-	-	-	-	-	(36,036)
0531200	0531200	2017	-	-	-	-	-	-	-	-	-	-	-	-	(36,036)
			Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-
0532100 - 0532100 - Maint Misc Nuclear Plt - Other	0532100	2018	3,866,642	2,846,069	6,471,065	6,773,227	3,420,470	2,601,782	3,660,518	3,500,659	4,198,702	5,953,547	2,627,102	5,999,204	51,319,120
0532100	0532100	2017	3,853,516	4,641,796	10,470,280	6,506,977	3,724,191	4,473,783	3,406,930	4,540,279	3,373,577	3,188,634	3,074,224	4,485,015	55,692,935
			Increased/(Decrease)	(12,866)	(1,795,669)	(3,999,655)	260,349	(1,871,981)	253,588	(1,040,066)	823,325	2,764,913	(771,122)	914,189	(4,373,782)
0528001 - 0528001 - Main Sup and Eng Nuc - NC	0528001	2018	260,343	-	(6,162,319)	(1,228,590)	(295,161)	2,063,120	512,379	1,031,643	443,345	95,014	303,921	316,862	(2,584,403)
0528001	0528001	2017	-	-	(3,017,742)	(3,279,142)	(756,129)	1,404,624	213,700	260,343	260,343	260,343	260,343	260,343	(4,110,685)
			Increased/(Decrease)	-	75,394	(3,145,077)	2,050,552	460,513	636,708	771,300	183,002	(165,329)	43,578	56,519	1,566,283
0528002 - 0528002 - Main Sup and Eng Nuc - SC	0528002	2018	49,319	20,529	(1,036,577)	(201,950)	(44,488)	133,991	101,388	173,037	91,344	32,560	67,815	70,361	(543,061)
0528002	0528002	2017	-	-	(484,308)	(527,238)	(121,475)	49,319	49,319	49,319	49,319	49,319	49,319	49,319	(787,241)
			Increased/(Decrease)	49,319	20,529	(552,669)	32,288	76,588	84,672	52,079	123,719	42,025	18,096	20,693	244,380
0529001 - 0529001 - Main of Structure Nuc - NC	0529001	2018	19,468	14,482	(161,647)	(213,138)	(211,823)	11,021	21,566	179,026	(12,338)	(94,820)	(92,298)	(2,365)	(544,867)
0529001	0529001	2017	-	-	(291,181)	(55,074)	(64,508)	44,274	18,476	19,468	19,468	19,468	19,468	19,468	(260,674)
			Increased/(Decrease)	19,468	14,482	129,534	(160,064)	(157,215)	3,090	159,558	(31,806)	(114,288)	(111,766)	(21,833)	(304,194)
0529002 - 0529002 - Main of Structure Nuc - SC	0529002	2018	(25,701)	2,511	(43,286)	(36,305)	(35,745)	(4,531)	3,720	15,223	(13,656)	(14,967)	(14,567)	(26,873)	(193,922)
0529002	0529002	2017	-	-	(8,757)	(6,889)	(8,757)	6,473	3,287	3,287	(35,050)	3,287	3,287	(48,310)	(146,293)
			Increased/(Decrease)	(25,701)	2,511	32,259	(27,416)	(26,989)	433	12,236	21,394	(18,280)	(17,854)	21,436	(36,993)
0530001 - 0530001 - Main Reactor Plt En Nuc - NC	0530001	2018	575,604	(21,517)	(4,386,628)	(1,985,444)	63,017	2,099,519	695,887	1,834,423	(627,576)	(1,006,439)	84,310	704,176	(1,970,689)
0530001	0530001	2017	575,604	(21,517)	(1,307,999)	(1,584,772)	146,470	1,752,384	528,532	575,604	575,604	575,604	575,604	575,604	(7,587,166)
			Increased/(Decrease)	-	-	6,921,171	(400,672)	(83,453)	167,355	1,258,820	(1,203,179)	(1,582,043)	(491,294)	128,572	5,616,488
0530002 - 0530002 - Main Reactor Plt En Nuc - SC	0530002	2018	70,948	7,076	(761,238)	(333,125)	13,520	247,828	124,879	216,238	(100,467)	(155,820)	28,253	108,294	(536,754)
0530002	0530002	2017	80	80	1,082,629	(75,962)	256,213	103,298	100,024	100,024	100,024	100,024	100,024	100,024	(926,185)
			Increased/(Decrease)	70,869	6,996	(1,843,867)	(388,340)	144,530	24,855	116,214	(166,185)	(255,844)	(71,771)	59,866	926,185
0531101 - 0531101 - Main Elect Plt Other Nuc - NC	0531101	2018	347,627	48,209	(3,522,337)	(1,856,188)	(384,370)	1,248,575	488,885	1,089,230	(528,685)	(508,907)	198,057	347,273	(3,033,112)
0531101	0531101	2017	347,627	-	(5,737,650)	(2,328,936)	1,307,627	1,307,627	309,503	347,627	347,627	347,627	347,627	347,627	(8,843,081)
			Increased/(Decrease)	48,209	2,214,813	472,768	(259,504)	(52,157)	179,383	741,603	(876,312)	(856,534)	(149,571)	(354)	1,809,970
0531102 - 0531102 - Main Elect Plt Other Nuc - SC	0531102	2018	32,993	15,365	(611,062)	(309,936)	(61,558)	86,339	91,162	126,124	(88,664)	(72,743)	46,463	45,653	(699,765)
0531102	0531102	2017	-	-	(949,167)	(374,969)	(20,060)	61,973	61,973	61,973	23,667	61,973	61,973	10,376	(697,111)
			Increased/(Decrease)	32,993	15,365	338,705	65,033	(41,498)	29,189	64,151	(112,231)	(134,716)	(15,410)	35,277	297,945
0532101 - 0532101 - Main Misc Nuc Plt - NC	0532101	2018	218,931	120,006	(1,450,666)	(1,946,263)	42,094	673,653	276,079	848,743	(793,777)	(1,209,452)	(158,113)	195,948	(3,184,816)
0532101	0532101	2017	-	-	(3,296,588)	(1,003,256)	(419,849)	203,577	203,577	218,931	218,931	218,931	218,931	218,931	(2,818,696)
			Increased/(Decrease)	218,931	120,006	1,846,532	(945,007)	461,343	70,876	629,813	(1,012,707)	(1,428,383)	(377,644)	(22,982)	(366,120)
0532102 - 0532102 - Main Misc Nuc Plt - SC	0532102	2018	8,659	22,090	(261,267)	(332,093)	7,796	60,007	49,448	91,403	(140,130)	(197,695)	(20,274)	13,166	(694,921)
0532102	0532102	2017	-	-	(557,647)	(67,451)	40,818	40,818	37,639	37,639	(667)	37,639	37,639	37,639	(610,294)
			Increased/(Decrease)	8,659	22,090	296,680	(166,448)	75,247	10,169	53,764	(139,463)	(235,334)	(58,613)	27,124	(84,697)
0935100 - 0935100 - Maint General Plant Elec	0935100	2018	11,096	56,004	(740,449)	2,432	39,449	670,817	35,590	175,642	(299,151)	(19,118)	42,222	702,123	630,152
0935100	0935100	2017	-	(42,705)	(563,259)	18,865	27,885	272,122	(6,224)	209,036	255,934	(44,185)	21,365	902,890	755,468
			Increased/(Decrease)	11,096	98,709	(177,191)	(24,433)	20,484	41,764	(13,593)	(255,934)	(44,185)	(25,587)	(200,677)	(125,316)
0935200 - 0935200 - Curt Infr and Computer Control	0935200	2018	(11)	1,015	2,388	3,568	2,175	7,447	(5,023)	844	5,276	862	(294)	26,368	44,604
0935200	0935200	2017	-	993	(2,211)	333	313	605	150	144	32	285	591	684	1,601
			Increased/(Decrease)	(20)	422	4,599	3,235	1,862	6,842	(5,183)	5,244	574	(886)	15,684	42,982
0932000 - 0932000 Maintenance Of Gen Plant	0932000	2018	-	-	-	-	-	-	-	-	-	-	-	-	22
0932000	0932000	2017	-	-	-	-	-	-	-	-	-	-	-	-	22
			Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-
0887000 - 0887000 - Maintenance of Mains	0887000	2018	-	-	-	-	-	-	-	-	-	-	-	-	9,486
0887000	0887000	2017	-	-	-	-	-	-	-	-	-	-	-	-	9,486
			Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-
0553220 - 0553220 - Solar Maint Gen & Elect Plt	0553220	2018	2,096	1,201	508	914	425	1,089	655	32	-	-	-	-	6,920
0553220	0553220	2017	-	-	299	-	100	-	-	1,739	-	2,492	4,992	2,406	11,727
			Increased/(Decrease)	2,096	1,201	209	914	425	1,089	655	32	-	-	-	6,920
0554220 - 0554220 - Solar Maint Misc Gen Plt	0554220	2018	13,892	6,371	23,131	30,660	6,943	5,159	6,899	3,017	3,973	1,916	3,522	7,209	112,693
0554220	0554220	2017	2,834	2,301	16,635	1,645	-	1,174	6,283	1,329	19,659	4,488	8,597	45,805	110,558
			Increased/(Decrease)	11,058	4,069	6,678	29,015	6,943	3,985	1,688	(15,686)	(2,572)	(5,579)	(38,596)	2,124

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COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF PRECEDING YEAR  
ELECTRIC OPERATING EXPENSE ACCOUNTS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
0408000 - 0408000 - NC Property Tax - Electric	0408000	0408000	0408000	0408000	0408000	0408000	0408000	0408000	0408000	0408000	0408000	0408000	0408000
	5,579,566	5,545,957	5,531,775	5,531,150	5,525,976	5,546,442	5,556,415	5,519,412	5,534,347	5,534,422	5,525,132	5,529,835	64,641,728
	5,363,901	5,347,098	5,346,441	5,343,727	5,341,278	5,347,732	5,372,593	5,367,328	5,367,393	5,347,616	5,363,463	5,327,243	62,404,416
Increased/(Decrease)	225,665	198,858	184,334	196,413	174,697	200,280	182,817	149,684	1,646,046	186,749	185,668	2,002,592	2,237,312
0408050 - 0408050 - NC Municipal License - Electric	0408050	0408050	0408050	0408050	0408050	0408050	0408050	0408050	0408050	0408050	0408050	0408050	0408050
	30,468	30,468	30,468	30,468	30,468	30,468	30,468	30,468	30,468	30,468	30,468	30,468	30,468
Increased/(Decrease)	-	-	-	-	(0)	-	-	-	-	-	-	-	(0)
0408150 - 0408150 - State Unemployment Tax	0408150	0408150	0408150	0408150	0408150	0408150	0408150	0408150	0408150	0408150	0408150	0408150	0408150
	64,119	47,523	29,466	2,442	1,751	(8,800)	1,415	1,545	1,135	1,084	902	573	143,154
	74,426	45,423	28,534	2,125	1,124	752	513	1,104	386	744	692	514	156,687
Increased/(Decrease)	(10,307)	2,100	532	317	637	(9,552)	902	441	788	340	210	59	(13,533)
0408151 - 0408151 - Federal Unemployment Tax	0408151	0408151	0408151	0408151	0408151	0408151	0408151	0408151	0408151	0408151	0408151	0408151	0408151
	166,369	(3,710)	(243,494)	18,993	19,419	(322,854)	(19,611)	(19,726)	1,299,351	25,513	24,818	(759,545)	185,424
	165,313	(4,744)	(374,201)	18,443	17,667	(330,743)	(18,836)	(22,706)	1,260,303	19,449	18,182	(512,267)	(693,277)
Increased/(Decrease)	955	1,034	130,726	550	1,552	(653,596)	(775)	2,981	1,560,033	6,063	6,336	(247,278)	809,150
0408152 - 0408152 - Employer FICA Tax	0408152	0408152	0408152	0408152	0408152	0408152	0408152	0408152	0408152	0408152	0408152	0408152	0408152
	3,405,565	3,432,009	3,332,105	3,725,056	3,117,882	3,291,708	3,264,770	3,993,033	3,554,221	3,667,495	3,053,019	2,598,358	40,845,421
	3,526,943	3,301,650	2,735,746	3,672,910	3,384,467	3,275,101	3,248,576	3,012,277	4,037,768	3,135,861	3,182,055	2,973,056	39,493,999
Increased/(Decrease)	(120,378)	130,359	596,359	47,145	(257,585)	16,608	16,194	980,806	(483,547)	531,635	(129,076)	25,302	1,353,422
0408360 - 0408360 - SC Property Tax - Electric	0408360	0408360	0408360	0408360	0408360	0408360	0408360	0408360	0408360	0408360	0408360	0408360	0408360
	2,980,541	2,966,089	2,953,602	2,953,511	2,939,114	2,940,177	2,949,648	2,952,792	2,947,196	2,939,375	2,930,297	2,939,290	35,391,631
	3,121,605	3,090,369	3,105,923	3,097,610	3,100,381	3,095,896	3,112,669	3,111,483	3,094,581	3,082,789	3,086,353	(767,560)	33,332,099
Increased/(Decrease)	(141,064)	(124,280)	(152,321)	(144,099)	(161,267)	(155,720)	(163,021)	(158,691)	(147,385)	(143,414)	(156,056)	3,706,850	2,059,532
0408460 - 0408460 - SC Kwh Power Gen Tax - Electric	0408460	0408460	0408460	0408460	0408460	0408460	0408460	0408460	0408460	0408460	0408460	0408460	0408460
	172,260	248,102	190,411	150,741	149,992	144,057	194,801	211,566	210,396	201,576	180,217	163,574	2,222,093
	170,871	204,933	162,639	159,105	143,675	154,503	350,122	390,121	201,797	200,079	167,084	152,040	2,107,440
Increased/(Decrease)	1,389	43,169	27,772	(3,864)	6,317	(6,446)	194,801	(78,746)	8,599	1,497	13,133	11,534	114,653
0408470 - 0408470 - Franchise Tax	0408470	0408470	0408470	0408470	0408470	0408470	0408470	0408470	0408470	0408470	0408470	0408470	0408470
	1,437,397	1,436,357	1,509,910	1,417,460	1,490,466	1,440,079	1,428,110	1,477,883	1,441,290	1,284,342	1,325,615	1,301,553	16,993,262
	1,309,672	1,315,708	1,429,663	1,401,572	1,401,672	1,370,623	1,377,698	1,368,548	1,356,514	1,280,830	1,795,978	1,765,994	15,654,302
Increased/(Decrease)	127,726	120,649	80,447	69,958	88,795	72,456	50,412	109,335	84,777	(556,488)	(444,036)	(464,441)	(661,040)
0408800 - 0408800 - Federal Highway Use Tax - Elec	0408800	0408800	0408800	0408800	0408800	0408800	0408800	0408800	0408800	0408800	0408800	0408800	0408800
	75	63	188	20	-	23	42,909	1,035	69	45	506	361	44,789
	(75)	63	157	(118)	(20)	(97)	2,859	966	(958)	(620)	414	(361)	(361)
Increased/(Decrease)	-	-	-	-	-	-	-	-	-	-	-	-	-
0408960 - 0408960 - Allocated Payroll Taxes	0408960	0408960	0408960	0408960	0408960	0408960	0408960	0408960	0408960	0408960	0408960	0408960	0408960
	170,186	(106,884)	(917,102)	(233,708)	(485,564)	(312,877)	(244,559)	(679,983)	318,673	(224,873)	(644,837)	1,908,627	(1,452,088)
	436,654	(56,399)	(1,136,997)	(127,745)	(2,76,597)	(1,001,126)	(150,973)	(268,871)	(492,185)	(667,680)	(285,305)	1,386,923	(1,738,621)
Increased/(Decrease)	(266,678)	(50,485)	219,066	(105,964)	(208,966)	(212,752)	(93,586)	(411,117)	810,858	442,807	(359,533)	521,704	285,554
0408120 - 0408120 - Franchise Tax - Non Electric	0408120	0408120	0408120	0408120	0408120	0408120	0408120	0408120	0408120	0408120	0408120	0408120	0408120
	-	-	-	-	-	29	-	(23)	359	376	-	23	764
Increased/(Decrease)	-	-	-	-	-	(29)	-	23	(359)	(376)	-	(23)	(764)
0408121 - 0408121 - Taxes Property - Operating	0408121	0408121	0408121	0408121	0408121	0408121	0408121	0408121	0408121	0408121	0408121	0408121	0408121
	9,106	-	-	-	-	-	-	-	-	-	-	-	9,106
Increased/(Decrease)	(9,106)	-	-	-	-	-	-	-	-	-	-	-	(9,106)
0408205 - 0408205 - Highway Use Tax	0408205	0408205	0408205	0408205	0408205	0408205	0408205	0408205	0408205	0408205	0408205	0408205	0408205
	17,217	(8)	(15)	430	(1,585)	-	64	-	-	116	-	-	16,235
	595	-	(15)	658	45	-	825	-	-	594	-	-	2,703
Increased/(Decrease)	16,622	(8)	15	(228)	(1,530)	-	(761)	-	-	(478)	-	-	13,532
0408851 - 0408851 - Sales and Use Tax Exp	0408851	0408851	0408851	0408851	0408851	0408851	0408851	0408851	0408851	0408851	0408851	0408851	0408851
	(14)	(16,456)	(5,345,457)	325	(3,185)	(106,818)	426	(565,840)	(9)	2,966	(19)	(10)	(6,034,229)
	(7)	(13)	331,591	20,516	(9)	(5,229)	-	(863)	(16,008)	(660)	(19)	(309)	(329,318)
Increased/(Decrease)	(147)	(16,437)	(5,677,447)	(20,191)	(3,176)	(101,589)	426	(564,777)	16,000	3,572	0	299	(6,363,567)
0409190 - 0409190 - Federal Income Tax - Electric CY	0409190	0409190	0409190	0409190	0409190	0409190	0409190	0409190	0409190	0409190	0409190	0409190	0409190
	-	25,705,317	(35,792,554)	(842,197)	(5,765,315)	31,672,612	27,584,538	20,380,276	(88,160,726)	17,739,252	8,219,750	(35,383,790)	(31,717,025)
	-	(240,917)	(41,589,322)	14,423,339	(460,980,320)	(4,205,055)	54,181,398	(28,897,556)	15,587,176	(12,899,302)	7,446,796	(67,742,803)	(64,067,453)
Increased/(Decrease)	-	25,466,230	5,797,668	(15,265,586)	39,235,355	35,945,697	(26,596,860)	49,367,783	(139,747,832)	25,038,614	772,954	32,359,055	32,359,055
0409191 - 0409191 - Federal Income Tax - Electric PY	0409191	0409191	0409191	0409191	0409191	0409191	0409191	0409191	0409191	0409191	0409191	0409191	0409191
	-	-	-	-	-	-	-	(39,111,110)	3,526,689	0	15,772	-	(13,569,888)
	-	-	-	-	-	-	-	(30,555,683)	3,526,689	0	15,772	-	(10,555,683)
Increased/(Decrease)	-	-	-	-	-	-	-	(6,596,123)	-	0	-	-	(3,014,183)
0409194 - 0409194 - Current FIT Elec-PY Audit	0409194	0409194	0409194	0409194	0409194	0409194	0409194	0409194	0409194	0409194	0409194	0409194	0409194
	-	-	(16,255)	-	-	-	-	-	-	-	-	-	(16,255)
Increased/(Decrease)	-	-	16,255	-	-	-	-	-	-	-	-	-	16,255
0409195 - 0409195 - UTP Tax Expense Fed Utl - PY	0409195	0409195	0409195	0409195	0409195	0409195	0409195	0409195	0409195	0409195	0409195	0409195	0409195
	-	-	-	-	-	-	-	-	993,910	-	-	-	993,910
	-	-	-	-	-	-	-	-	2,693,187	-	-	-	2,693,187
Increased/(Decrease)	-	-	-	-	-	-	-	-	(1,699,277)	-	-	-	(1,699,277)
0409102 - 0409102 - ST Exp - Utility	0409102	0409102	0409102	0409102	0409102	0409102	0409102	0409102	0409102	0409102	0409102	0409102	0409102
	-	4,532,161	(4,686,268)	-	(67,7068)	2,122,049	-	6,800,746	(9,389,394)	(70,280)	1,432,270	(1,618,673)	(1,544,366)
	-	1,250,998	(3,115,972)	-	(1,098,328)	265,518	-	3,575,158	3,077,296	(327,693)	1,070,029	(2,015,815)	2,680,133
Increased/(Decrease)	-	3,281,223	(1,570,296)	-	431,261	1,857,531	-	3,225,588	(12,466,690)	257,401	362,242	397,142	(4,224,500)

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Amounts in (\$000s)																
Classification	Sub-Classification	Account Description	PeopleSoft Account	FERC Account	2013	2014	% Change	2015	%Change	2016	%Change	2017	%Change	2018	%Change	
Steam Power Generation		Fos Oper Super And Engineer	0500000	500	5,032,660	10,242,493		11,143,446		8,817,407		7,038,190		7,042,795		
		Non-Reg Operation Expense		500	69	2,845		5,049		6,510		2,677		6,974		
Operation Supervision Engineering		Fossil Oper Superv&Engineer-Recoverable	0500100	500												
		Beneficial Reuse - Coal Ash	0501007	501												
		Contra Fuel Exp BR Ash - SC	0501008	501												
		Contra Fuel Exp BR Ash - W/S	0501009	501												
		Coal & Other Fuel Handling	0501150	501	104,484	6,210,939		4,146,830		1,188,799		753,829		922,541		
		Fossil Steam Fuel	0501150	501	6,760,994	6,210,939		4,146,830		1,188,799		753,829		922,541		
		Fossil Steam Fuel Coal Frms	0501110	501	618,298,937	609,946,356		450,356,574		394,686,440		292,950,139		307,900,875		
		Fossil Steam Fuel-Ash Sales	0501110	501	26,010,275											
		Coal Purchase Savings	0501016	501	3,717,361	9,186,109		5,119,985		3,294,460		5,900		2,629		
		Fossil Steam Fuel Oil Frms	0501110	501	14,738,575	30,004		31,948		8,073		283,428		(83,270)		
		Coal Sampling And Testing	0501160	501		29,562,742		12,082,985		262,345						
		Sale Of Fly Ash - Revenues	0501181	501		-		(1,282,237)		38,886						
		Contra Fuel Exp Pond Ash - Sc	0501182	501				(118,259)		118,259						
		Sale Of Fly Ash - Expenses	0501190	501		210,796		121,555		3,142,814		1,875,847		1,975,331		
		Oil Consumed - Fossil Steam	0501310	501		13,412,742		9,496,882		7,291,750		10,354,642		10,490,737		
		Oil Handling Expense	0501350	501		42,288										
Fuel				501 Total	669,630,626	668,601,976	(0%)	479,906,263	(28%)	410,031,825	(15%)	338,758,341	(17%)	323,260,022	(3%)	
		Ammonia Expense	0502010	502		631		265		3,014,508		1,450,824		1,561,756		
	Ammonia - Qualifying	0502020	502		5,965,762		4,214,619		1,028,737		974,233		1,168,321			
	Urea - Qualifying	0502030	502		650,407		1,291,813		1,508,495		1,106,341		1,106,341			
	Cost Of Lime	0502040	502		13,423,810		12,504,753		(896,110)		1,510,120		2,046,473			
	Gypsum - Qualifying	0502070	502		591,422		(272,684)		1,510,120		1,510,120		2,046,473			
	Mag Hydroxide Qualifying Reag	0502080	502		3,644,508		3,413,731		117,168		138,408		1,007,502			
	Re-emission Chem Exp - Reagent	0502082	502						1,306,928		819,812		1,007,502			
	Calcium Carbonate	0502090	502		1,006,902		1,780,472		5,674,962		5,273,375		4,868,207			
	Fos Steam Expenses	0502100	502		5,799,866		8,137,509									
	Steam Oper - Ammonia	0502100	502		4,918,891											
	Steam Oper - Limestone	0502100	502		9,506,772											
	Magnesium Hydroxide Expense	0502100	502		3,044,569											
	Btl Mitigation Sharing	0502102	502		(133,128)											
	Reagent Purchase Savings	0502160	502		(82,361)			96,408		(360,676)						
	By-Product Syner By Savings	0502161	502		1,992,456		(715,262)	211,991								
Steam Expenses				502 Total	23,187,737	35,085,655	51%	30,684,964	(13%)	23,111,111	(25%)	18,814,807	(19%)	98,801,131	425%	
	Steam Transferred - Credit		0504000	504		-		3,478								
Steam Transferred-Cr.				504 Total	-	-		3,478		-	(100%)	-		-		
		Fos Electric Expenses	0505000	505	2,135,120	1,287,384		744,519		84,862		13,057		17,396		
Electric Expenses				505 Total	1,287,384	(40%)	744,519	(42%)	84,862	(89%)	13,057	(85%)	17,396	33%		
		Fos Misc Steam Power Exp	0506000	506	33,023,939	24,801,006		21,136,943		7,145,638		9,483,711		12,002,275		
	Misc Fossil Power Expenses - Recoverable	0506000	506		-		3									
Miscellaneous Steam Power Expenses				506 Total	33,023,939	24,801,006	(25%)	21,136,946	(15%)	7,145,638	(66%)	9,483,711	33%	12,002,275	27%	
		Steam Power Gen-Op Rents	0507000	507												
Rents				507 Total	-	-		-		-	360	(99%)				
		Sulfur Dioxide Allowances	0509030	509	535,043	301,838		102,668		63,963		25,233		20,951		
	Nox Emission Allowance Exp	0509212	509		614,254		501,699		242,904							
	Recs Expense	0509213	509													
Allowances				509 Total	21,090,843	916,092	(96%)	604,367	(34%)	306,867	(49%)	6,626,420	2059%	18,471,594	179%	
		Fos Main Super And Engineer	0510000	510	7,065,056	11,277,239		12,361,462		6,655,849		5,012,163		4,971,993		
	Suprsvn And Engrng-Stream Maint - Rec	0510100	510		103							1,184		225,574		
Maintenance Supervision and Engineering				510 Total	7,065,056	11,277,242	60%	12,404,049	10%	6,844,047	(45%)	5,166,788	(25%)	5,198,104	1%	
		Fos Maint Of Struct	0511000	511	6,725,992	11,980,255		16,793,567		9,413,362		9,053,239		11,659,549		
	Maint Of Structures-Stream - Recoverable	0512000	511				29		342							
Maintenance of Structures				511 Total	6,725,992	11,980,255	78%	16,793,596	40%	9,413,703	(44%)	9,053,239	(4%)	11,659,549	29%	

Amounts in (\$000s)		PeopleSoft		FERC		2013	2014	% Change	2015	% Change	2016	% Change	2017	% Change	2018	% Change
Classification	Sub-Classification	Account	Description	Account	Account											
Maintenance of Electric Plant	Maintenance of Electric Plant	512	Fos Maint Of Boiler Plant	0512000	512	27,428,139	36,300,117		44,780,198		43,515,606		30,665,988		35,112,387	
			Maint Of Boiler Plant-Other - Recoverable	0512300	512				304				185			
			Fos Maint Of Electric Plant	0513100	512 Total	27,428,139	36,300,117	32%	44,780,502	23%	43,515,606	3%	30,666,173	30%	35,112,387	14%
			Maint Elec Plant - Mitigation	0513101	513	13,637,605	25,205,573		16,556,954		9,787,139		6,348,432		4,379,809	
			Main, Electric Plt- NC	0513102	513								(545)		468	
			Main, Electric Plt- SC	0513103	513								(107)		121	
			Fos Maint Of Misc Steam Plant	0514000	513 Total	13,637,605	25,205,573	85%	16,556,954	34%	9,787,139	41%	6,347,779	35%	4,379,740	31%
			Maintenance - Misc Steam Plant	0514300	514	6,189,404	3,565,837		11,265,275		6,142,474		7,847,902		11,187,239	
									25,183		10,378		3,573		3,165	
						6,189,404	3,565,837	42%	11,260,458	21%	6,152,852	46%	7,851,475	28%	11,190,404	43%
Maintenance of Miscellaneous Steam Plant	Maintenance of Miscellaneous Steam Plant	517	Nuc Oper Super And Engineer	0517000	517	6,710,396	34,016,396		39,957,242		44,785,075		41,086,569		39,923,359	
			Sup And Engineer - NC	0517001	517								539,086		656,884	
			Sup & Engineer- SC	0517002	517				2,414		196,415,200		201,901,964		184,163,880	
			Nuclear Op Super & Eng - NCNC	0517200	517								(70,503)		503	
			Nuclear Fuel - Misc & Labor	0518530	517 Total	6,710,396	34,016,396	407%	39,957,242	17%	44,785,075	12%	41,086,569	8%	39,923,359	3%
			Nuclear Fuel - Canister Amort	0518610	518	2,177,075	395,211		239,022		501,628		539,086		927,714	
			Nuclear Fuel - Other Charges	0518610	518	3,183,831	1,184,089		216,832		80,005		431,131		144,051	
			Nuclear Fuel - S&U Amort	0518100	518	139,806,078	166,445,546		170,948,847				201,901,964		184,163,880	
			Nuc Fuel-Burned Atudc Equity	0518100	518	32,811										
			Nuc Fuel-Burned Atudc Debt	0518100	518	2,039,103			39,954,828		44,785,075		41,507,182		40,429,130	
Operation Supervision Engineering	Operation Supervision Engineering	518	Nuclear Fuel Synergy Savings	0518500	518	642,823							(400,110)		(424,565)	
			Oil In Aux Stem Gen Fac-Nuc Opr	0518510	518		4,287,276		70,479		(3,817)					
			Nuclear Fuel - Waste Disposal	0518600	518	22,116,817	8,090,428		486,228		1,303,467		2,204,715		927,714	
			Canister Expense - Mcquire Bruns	0518611	518		2,486,186		163,564		76,414		76,414		144,051	
			24 Month Fuel Cycle	0518700	518		433,377		1,184,508		764,543		581,144		465,195	
			Nuc Coolants And Water	0519000	519	169,998,538	183,366,490	8%	173,309,480	5%	199,311,766	15%	205,734,454	3%	187,072,314	9%
			Nuc Coolants And Water - NC	0519001	519	27,161,736	20,342,002		20,188,412		20,399,547		21,422,101		21,102,113	
			Nuc Coolants And Water - SC	0519002	519								(146,009)		(157,840)	
			Nuc Steam Expenses	0520000	520	27,161,736	20,342,002	75%	20,188,412	1%	20,399,547	1%	21,251,403	4%	20,912,447	2%
			Nuc Steam Expenses - NC	0520001	520	27,827,669	34,874,979		49,721,067		50,372,305		48,356,079		45,795,767	
Coolants and Water	Coolants and Water	520	Nuc Steam Expenses - SC	0520002	520								(371,377)		(364,488)	
			Nuc Electric Expenses	0523000	523	27,827,669	34,874,979	25%	49,721,067	43%	50,372,305	1%	45,888,808	9%	43,577,463	5%
			Nuc Electric Expenses - NC	0523001	523	13,703,014	8,527,753		4,504,006		6,133,709		5,995,405		5,872,532	
			Nuc Electric Expenses - SC	0523002	523								(66,291)		(70,092)	
			Nuc Misc Nuclear Power Exp	0524000	524	13,703,014	8,527,753	38%	4,504,006	47%	6,133,709	36%	5,917,431	4%	5,788,939	2%
			Nuc Misc Nuclear Power Exp - NC	0524001	524	185,549,057	154,703,185		179,669,665		170,973,633		165,587,641		155,628,429	
			Nuc Misc Nuclear Power Exp - SC	0524002	524		4,719		7,639		610		(461,771)		(2,323,047)	
			Nuc Maint Super And Engrn	0528000	528				24,808				(249,803)		(675,702)	
			Nuc Maint Super And Engrn - NC	0528001	528	185,549,057	154,707,904	17%	179,702,112	16%	170,974,243	5%	164,876,067	4%	155,629,681	7%
			Nuc Maint Super And Engrn - SC	0528002	528	69,137,912	35,607,020		79,389,689		72,169,715		80,417,038		78,244,127	
Electric Expenses	Electric Expenses	528	Nuc Maint Of Structures	0529000	529	69,137,912	35,607,020	48%	79,389,689	123%	72,169,715	9%	76,518,912	5%	75,116,463	1%
			Nuc Maint Of Structures - NC	0529001	529	25,881,415	28,596,615		22,993,584		25,715,675		16,676,007		15,831,496	
			Nuc Maint Of Structures - SC	0529002	529								(240,674)		(544,867)	
			Nuc Maint Of React Plant Equip	0530000	530	25,881,415	28,596,615	10%	22,993,584	20%	25,715,675	12%	16,272,404	37%	15,092,706	7%
			Nuc Maint Of React Plant Equip - NC	0530001	530	80,834,116	102,637,238		96,855,480		67,424,165		(7,587,166)		64,486,615	
			Nuc Maint Of React Plant Equip - SC	0530002	530				2,958		956		(1,462,939)		(536,734)	
						80,834,116	102,637,238	27%	96,858,438	6%	67,425,120	30%	63,874,892	5%	61,979,194	3%
						530 Total										
						80,834,116	102,637,238	27%	96,858,438	6%	67,425,120	30%	63,874,892	5%	61,979,194	3%
Maintenance of Reactor Plant Equipment	Maintenance of Reactor Plant Equipment	530														

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Global Market Performance Report - Q3 2024										
Year	Q1	Q2	% Change	Q3	% Change	Q4	% Change	Annual Avg	2023 Total	% Change
2013	33,982,005	39,243,133	15%	46,574,844	33%	48,809,983	5%	46,960,207	33,336,964	1%
	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2014	33,982,005	39,243,133	15%	46,574,844	19%	48,809,983	5%	41,119,415	35,568,051	14%
	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	5,131,819	5%
				56				(2,818,696)	(3,184,816)	-18%
								(610,294)	(694,991)	-15%
2015	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2016	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2017	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2018	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2019	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2020	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2021	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2022	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2023	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%
2024	39,203,371	91,892,197	134%	69,973,947	78%	61,211,202	-14%	55,692,903	4,843,081	12%
				2,293				(2,818,696)	(997,711)	-20%
								(610,294)	(694,991)	-15%



Amounts in (\$000s)																		
Classification	Sub-Classification	Account Description	PeopleSoft Account	FERC Account	2013	2014	% Change	2015	%Change	2016	%Change	2017	%Change	2018	%Change			
Maintenance of Structures	Ct Maint Of Structures	Ct Maint Of Structures	0552000	552	1,582,893	5,481,381		4,282,513		7,770,653		4,983,289		6,485,683				
		552 Total			1,582,893	5,481,381	246%	4,282,513	(22%)	7,770,653	81%	4,983,289	(36%)	6,485,683	30%			
		CT Maint of Gen And Elec Plant	0553000	553														
		CT Maint of Gen and Plant-Reco	0553100	553	19,983,034	20,373,346		9,897,418		30,672,706		16,349,107		25,855,893				
		Solar: Maint Gen & Elec Pit	0553220	553														
Maintenance of Generating and Electric Plant	Ct Maint Misc Ohn Pwr Gen Pl	Other Production Maintenance	0554000	554	7,593,406	11,784,113		11,729,341		15,416,253		15,799,335		12,102,554				
		Solar: Maint Misc Gen Pit	0554200	554		234												
		554 Total			7,593,406	11,784,347	55%	11,729,341	(0%)	15,454,101	32%	15,909,903	3%	12,215,267	(23%)			
		I/C Joint Disp - Pur Pwr	0555016	555	120,316,123	136,123,228		51,678,839		38,331,512		49,066,157		84,528,871				
		Purchased Power- Renewable	0555125	555				146,063,485		199,389,479		225,154,426		210,776,536				
Maintenance of Miscellaneous Other Power Generation Plant	I/C Joint Disp - Pur Pwr	Purchased Power - Co Generation	0555130	555		25,277,658		32,621,652		41,200,052		80,684,052		119,577,432				
		SC DERs Purchased Power	0555135	555								2,673		606,037				
		SC Res Shared Solar Purchase	0555136	555								36		(36)				
		Interchange Power	0555200	555		202,726,372		200,104,902		206,530,267		176,984,563		290,935,340				
		Cogeneration	0555202	555	64,712,268	139,490		24,665										
		Broad River	0555202	555	17,850,178													
		Renewable Purchase Power	0555202	555	117,602,584													
		Surplus Energy - Actual	0555202	555	101,064,827													
		Purchases Energy Imbalance	0555500	555	(388)													
		Purchases - Generation Imbalance	0555750	555		63,619		69,115		130,271		53,572		862,444				
		555 Total			421,505,592	406,584,367	18%	430,562,658	(13%)	485,581,582	13%	531,947,253	10%	707,268,038	33%			
		System Control and Load Dispatching	Sys Control And Load Dispatch		0556000	556	4,334,182	1,004,745		1,411,430		1,629,675		1,577,306		1,738,960		
				556 Total			4,334,182	1,004,745	(77%)	1,411,430	40%	1,629,675	15%	1,577,306	(3%)	1,738,960	10%	
				Other Power Supply Expenses	0557000	557		624,568	68,250,796		77,002,059		84,847,772		91,664,202		83,963,561	
				NC Regs - Recs Recovery	0557001	557												
				I/C Joint Disp-Pjm Charges	0557016	557			521,255									
		Other Expenses	Operation Supervision and Engineering	CP&L Sales-Billed-Divert Sales	0557000	557		605,812										
				Sc Deferred Fuel Expenses	0557980	557					93,167,472		60,755,982		(180,732,923)		(316,590,958)	
				NC Deferred Fuel Expenses	0557980	557												
				Commissions/Brokerage Expense	0557450	557												
				Ea & Coal Broker Fees	0557451	557			7,200		7,200		12,600		16,200		22,500	
557 Total					(16,480,246)	(41,786,192)	154%	170,193,106	(507%)	145,624,149	(14%)	(89,054,991)	(161%)	(232,602,079)	161%			
Transmission Expenses	Load Dispatch-Reliability			Trans Oper Super And Engineer	0560000	560		1,295,818	111,404		48,555		(4,530)		21,353		38,741	
				560 Total			1,295,818	111,404	(91%)	48,555	(56%)	(4,530)	(109%)	21,353	(571%)	38,741	81%	
				Load Dispatch-Reliability	0561100	561.1	1,796,187	2,576,757	43%	2,913,179	13%	2,436,540	(16%)	2,913,513	20%	2,109,710	(28%)	
				Trans Load Dispatching	0561200	561.2		2,567,257		2,913,179		2,436,540		2,913,513		2,109,710		
				Ld Disptch-Monitor&Op Trms Sys	0561200	561.2		2,361,588		1,809,906		2,191,336		2,122,232		2,450,505		
Load Dispatch-Monitor and Operate Transmission System	Ld Disptch-Monitor&Op Trms Sys		561.2 Total		1,013,374	2,361,588	133%	1,809,906	(23%)	2,191,336	21%	2,122,232	(3%)	2,450,505	15%			
		561.3 Total			1,013,374	2,361,588	133%	1,809,906	(23%)	2,191,336	21%	2,122,232	(3%)	2,450,505	15%			
		Ld Disptch-Trms Svc & Sched	0561300	561.3	2,296,333	760,937	(67%)	830,944	9%	940,162	13%	898,414	(4%)	1,008,598	12%			
		Reliability, Plan & Standards	0561500	561.5	674,213	400,981	(41%)	267	(100%)	292,406	109415%	304,130	4%	281,847	(7%)			
		Trans Service Studies	0561600	561.6		36,476		2,499		(94,892)		124		95,000				
Generation Interconnection Studies	Gen Interconnection Studies		561.6 Total		-	36,476		2,499	(93%)	(94,892)	(3897%)	124	(100%)	95,000	76767%			
		561.7 Total			35,268	141,102		99,546		(16,221)		204,069		(70,868)				
		562 Total			35,268	141,102	300%	99,546	(29%)	(16,221)	(116%)	204,069	(1338%)	(70,868)	(135%)			
		Trans Station Expenses	0562000	562	668,621	1,111,208	66%	2,154,976	94%	1,465,991	(32%)	1,149,024	(2%)	1,292,946	13%			
		Trans Overhead Line Expenses	0563000	563	726,365	1,435,711	98%	1,159,007	(19%)	844,247	(27%)	910,085	8%	870,995	(4%)			
563 Total			726,365	1,435,711	98%	1,159,007	(19%)	844,247	(27%)	910,085	8%	870,995	(4%)					

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Amounts in (\$'000s)															
Classification	Sub-Classification	Account Description	PeopleSoft Account	FERC Account	2013	2014	% Change	2015	%Change	2016	%Change	2017	%Change	2018	%Change
Transmission of Electricity by Others	Wheeling Charges		0565000	565	415,736					761		304		-	
	Tariff Expense		0565000	565	1,163,085										
	Trans Of Elect - Purchase		0565010	565		(67,648)		10,310							
	I/Cloint Disp - Trans NW Exp		0565016	565	134,576										
	Production Ancillary Services		0565000	565	103,434										
Miscellaneous Transmission Expenses	Trans Misc Expenses		0566000	566	1,816,831	229,718	(87%)	10,310	(96%)	761	(93%)	304	(60%)	-	(100%)
	Misc Trans - Trans Lines Related		0566000	566	6,432,309	4,251,037		6,239,548		6,885,154		7,808,472		6,828,746	
	Trans Misc Exp - Proj Supt - Nccr Rec		0566300	566		138				30,914					
	Miscellaneous Transmission Exp		0566301	566		84									
					512										
Rents	Trans Rents		0567000	567	2,445,665	2,470,827		1,663,464		95,951		3,082,952		2,901,990	
	Trans Maint Super And Engineer		0568000	567 Total	2,445,665	2,470,827	1%	1,663,464	(33%)	95,951	(94%)	3,082,952	3113%	2,901,990	(6%)
	Trans Maint Super And Engineer		0568000	568	647	381,372		3,795		3,502		-			
	Trans Maint Of Structures		0569000	568 Total	647	381,372	58845%	3,795	(99%)	3,502	(8%)	-	(100%)	-	
	Maint Of Computer Hardware		0569100	569	-	973,778		807,975	(17%)	280,089	(65%)	1,628,827	482%	1,339,981	(18%)
Maintenance of Computer Hardware	Maint Of Computer Hardware		0569200	569.1	71,053	93,958	32%	4,845	(95%)	27,684	471%	3,398	(86%)	11	(100%)
	Maintenance of Computer Software		0569300	569.2	149,444	2,405,118	1509%	2,162,739	(10%)	2,735,383		1,906,119	(30%)	3,043,183	
	Maint Of Communication Equip		0569300	569.3	199,444	2,405,118	1509%	2,162,739	(10%)	2,735,383		1,906,119	(30%)	3,043,183	60%
	Maint Stat Equip - Other Trans		0570100	569.3 Total	322,476	936	(100%)	28,649	2961%	10,142	(65%)	-	(100%)	-	
	Trans Maint Of Station Equip		0570200	570	322,476	936	(100%)	28,649	2961%	10,142	(65%)	-	(100%)	-	
Maintenance of Station Equipment	Trans Maint Of Station Equip		0570200	570	11,365,973	5,408,838		4,190,787		5,368,386		3,858,571		3,643,769	
	Trans Maint Of Overhead Lines		0571000	570 Total	11,365,973	6,174,227	(46%)	4,742,109	(23%)	5,599,290	18%	4,058,579	(28%)	4,068,225	0%
	Trans Maint Of Overhead Lines		0571000	571	30,211,542	28,081,297		13,679,133		23,519,116		11,760,895		12,479,175	
	Maintenance Of Underground Lines		0572000	571 Total	30,211,542	28,081,297	(7%)	13,679,133	(51%)	23,519,116	72%	11,760,895	(50%)	12,479,175	6%
				572	-	15,171		272,726		(1,192)		-	(100%)	-	
Maintenance of Miscellaneous Transmission Plant	Trans Maint Of Misc Eqpt		0573000	573	96,831	321,941		84,612		(759,297)		36,342		96,575	
	Dist Oper Super And Engineer		0580000	580	16,139,786	2,074,715		1,296,078		717,972		466,256		606,545	
	Load Dispatching		0581004	580 Total	16,139,786	2,074,715	(87%)	1,296,078	(38%)	717,972	(45%)	4,869,184		6,694,545	49%
	Dist Station Expenses		0582100	581	3,845,689	5,409,817	41%	6,006,770		5,214,815	(13%)	4,189,874	(20%)	4,689,874	
	Relays And Meters - Dist		0582200	582	1,286,495	1,451,655		1,475,077		1,231,257		1,202,237		848,654	
Overhead Lines Expenses	Transf Set Rem Reset Test - Dist		0583200	582 Total	1,286,495	1,491,751	16%	1,519,184	2%	1,341,524	(12%)	1,255,296	(6%)	851,607	(32%)
	Dist Overhead Line Expenses		0583100	583	4,002,821	1,112,345	(72%)	745,573	(33%)	191,075	(74%)	784,874	311%	1,879,064	139%
	Dist Under Line Expenses		0584000	584	1,031,807	3,521,477	241%	4,081,995	16%	4,712,175	15%	4,512,350		4,881,127	
	Dist St Lgt & Signal Sys Exp		0585000	584 Total	1,031,807	3,521,477	241%	4,081,995	16%	4,712,175	15%	4,512,350	(4%)	4,881,127	8%
	Dist Meter Expenses		0586000	585	-	78,716		11,103		10,276	(7%)	7,964	(12%)	8,088	2%
Customer Installations Expenses	Dist Cust Install Expenses		0587000	586	875,796	2,966,205	239%	3,821,334	29%	7,511,340	97%	8,320,395	11%	6,038,529	
	Dist Misc Exp		0588100	587	1,482,621	2,821,470	90%	1,639,608	(42%)	2,013,972	23%	3,301,211	64%	5,461,524	
	Grid Solutions O&M Deferral		0588101	588	22,017,691	19,021,125		22,929,206		25,567,942		31,050,172		28,870,129	
	Dist Rents		0589000	589	3,965,646	3,957,561	(0%)	2,669,886	(33%)	2,533,934	(5%)	4,120,922	63%	2,489,215	
	Dist Maint Super And Engineer		0590000	590	997,549	2,362	(100%)	13,916	489%	8,189	(41%)	12,553	53%	426,045	3294%
590 Total					997,549	2,362	(100%)	13,916	489%	8,189	(41%)	12,553	53%	426,045	3294%

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Amounts in (\$000s)																	
Classification	Sub-Classification	Account Description	PeopleSoft Account	FERC Account	2013	2014	% Change	2015	%Change	2016	%Change	2017	%Change	2018	%Change		
Maintenance of Structures	Maintenance of Structures	Dist Maint Of Structures	0591000	591	14,380	(3,971)		15,336		1,296		17,474		887,430			
		Dist Maint Of Station Equip	0592100	592	3,972,290	2,789,155	1,740,456	(48.6%)	1,718,022		1,210,126		780,491		897,430	497.8%	
	Maintenance of Station Equipment	Cir Bktrs Trnsf Meters Rely - Dist	0592200	592		3,180,029		3,092,362		2,359,027		1,975,415		1,303,570			
		Dist Maint Of Overhead Lines	0593000	593	3,972,290	5,969,184	50%	4,832,818	(19%)	4,077,049	(16%)	3,185,541	(22%)	2,084,060	(35%)	2,084,060	
	Maintenance of Overhead Lines	Right - Of - Way Maintenance - Dist	0593100	593	59,187,922	110,965,391		70,629,379		96,085,107		77,781,744		85,773,874			
		Dist Maint Of Under Lines	0594000	594	59,187,922	110,054,311	86%	70,815,301	(36%)	96,344,656	36%	77,989,270	(19%)	121,847,376	56%		
	Maintenance of Underground Lines	Dist Main Of Line Transformers	0595100	595	4,008,060	4,871,607	20%	5,153,125	6%	4,822,769	(6%)	4,550,204	(6%)	8,095,371	78%		
		Cir Bktrs Trnsf Capacitrs - Dist	0595200	595	719,993	376,835		836,791		772,683		1,049,410		51,444			
	Maintenance of Line Transformers	Maintenance of Street Lighting and Signal Systems	Dist Main Of Str Lgt & Sign Sy	0596000	596	719,993	419,863	(42%)	908,083	116%	798,660	(12%)	751,963	(6%)	1,100,853	46%	
			Dist Maint Of Meters	0597000	597	2,851,422	7,538,176	164%	6,979,238	(7%)	6,812,010	(2%)	7,789,248	14%	8,256,330	6%	
Maintenance of Meters	Maintenance of Meters	Maint Of Misc Distrib Plant	0598100	598	804,888	1,961,780	144%	1,717,984	(12%)	1,801,325	5%	1,638,226	(9%)	1,581,599	(3%)		
		Cust. Accounts Super.	0901000	901	2,226,651	5,053,764	127%	3,479,012	(31%)	1,426,022	(59%)	(444,674)	(131%)	317,018	(171%)		
	Maintenance of Miscellaneous Distribution Plant	Cust. Accounts Meter Read Exp	0902000	902	1,390,770	448,770	(68%)	202,113	(55%)	281,077	39%	207,031	(26%)	59,759	(71%)		
		Cust Acts Records & Collec Ex	0903000	903	5,441,029	4,773,304	(12%)	3,944,389	(17%)	4,468,044	13%	5,399,741	21%	5,525,904	2%		
	Meter Reading Expenses	Cust Contracts And Orders - Local	0903100	903	25,491,392	4,961,712		9,507,770		11,568,545		11,018,406		14,587,501			
		Cust Billing And Act	0903200	903		12,297,010		10,448,744		12,241,651		11,035,622		12,170,871			
	Customer Account Expenses	Cust Collecting - Local	0903300	903		6,257,226		6,150,475		6,390,111		6,975,122		7,321,618			
		Cust Receiv And Collect Exp - Edp	0903400	903		8,693,359		9,064,260		5,004,055		4,562,700		4,887,709			
	Customer Records and Collection Expenses	Uncollectible Accounts	Common - Operating - Cust Accs	0903750	903		266,099		363,028		302,015		349,829		405,664		
			Bad Debt Expense	0904001	904	25,491,392	32,468,690	27%	35,535,783	9%	35,514,950	(0%)	33,941,775	(4%)	39,373,362	16%	
Miscellaneous Customer Account Expenses		Cust Accounts Uncollectible	0904000	904	9,032,359	10,661,328		11,924,424		6,669,543		6,474,532		9,395,535			
		Cust Accounts Misc Exp	0905000	905	9,032,359	10,976,932	22%	12,517,092	14%	6,972,450	(44%)	6,504,470	(7%)	10,008,548	54%		
Customer Service and Informational Expenses		Cust Service & Info Super	0907000	907	2,801,514	600,271	(79%)	730,728	22%	663,023	(9%)	923,578	39%	1,116,785	21%		
		Cust Asst Exp-Conservation Programs - Rec	0908000	908		10,016		12		339		217		6,174			
Customer Assistance Expenses		Commer/ Indust Assistance Exp	0908150	908		475		2,448		3,966		303					
		Customer Assist Expenses	0908160	908	2,430,126				1,527								
Informational and Instructional Expenses		Informational and Instructional Expenses	Economic Development	0908140	908	65,598	18,491				1,527						
			Cust Asst Exp-Conservation Prg	0908140	908	43,516,155	28,982	(100%)	2,460	(92%)	5,832	137%	217	(96%)	6,477	2880%	
	Supervision	Info & Instruc Adv-Conservation Prog - Rec	0909000	909	46,011,879	153,097		36,122		81,137		52,532		67,011			
		Info And Instruc Advertising	0909650	909													
	Miscellaneous Customer Service and Informational Expenses	Info&Instruc Adj- Conserv Prog	0909650	909	3,108,706	153,625	(95%)	36,122	(76%)	81,137	125%	52,532	(35%)	67,011	28%		
		Misc Cust Service And Info Exp	0910000	910	2,048,160	280,523		266,907		363,336		170,517		215,741			
	Sales Expenses	Exp - Rs Reg Prod/Specs - Cstacts	0910100	910		4,182,686		3,402,146		4,030,014		3,859,798		3,296,798			
		Supervision	0911000	911	2,048,160	4,463,209	118%	3,669,053	(18%)	4,393,350	20%	4,029,991	(8%)	3,512,540	(13%)		
Advertising Expenses	Advertising Expenses	Demonstration & Sell-Proj Supt - Ncrr Rec	0912100	912		50	-	(100%)	-		52		3,328				
		Demonstrating And Selling	0912000	912	149,860	3,565,744	2280%	5,298,702	49%	5,976,581	13%	5,721,905	(4%)	7,512,391	31%		
		Advertising	0913001	913	387,641	434,861	12%	190,167	(56%)	314,113	65%	397,975	27%	217,839	(45%)		
913 Total					387,641	434,861	12%	190,167	(56%)	314,113	65%	397,975	27%	217,839	(45%)		

Amounts in (\$000s)

Classification	Sub-Classification	Account Description	PeopleSoft Account	FERC Account	2013	2014	% Change	2015	%Change	2016	%Change	2017	%Change	2018	%Change		
Miscellaneous Sales Expenses Administrative and General Salaries	Miscellaneous Sales Expenses	Miscellaneous Sales Expenses	0916000	916	1,262,126	170,016		135,150		16,591		87,106		124,415			
		<b>916 Total</b>			<b>1,262,126</b>	<b>170,016</b>	<b>(87%)</b>	<b>135,150</b>	<b>(21%)</b>	<b>16,591</b>	<b>(88%)</b>	<b>87,106</b>	<b>425%</b>	<b>124,415</b>	<b>43%</b>		
		Salaries And Wages	0920000	920													
		A&G Exp -Relocation Expenses	0920000	920	114,152,427	74,012,399		100,816,624		116,700,850		81,834,479		134,721,784			
		Salaries & Wages - Proj Supt - Nrc Rec	0920100	920	385												
Administrative and General Salaries	Project Development Labor	Project Development Labor	0920300	920				29		12		3,408		18,542			
												(12,628)		44,613			
		<b>920 Total</b>			<b>114,152,812</b>	<b>74,012,399</b>	<b>(35%)</b>	<b>100,816,653</b>	<b>36%</b>	<b>116,700,862</b>	<b>16%</b>	<b>81,855,259</b>	<b>(30%)</b>	<b>134,784,940</b>	<b>65%</b>		
		A&G Off Supplies And Expenses	0921200	921	46,712,058	12,781,379		10,353,065		8,411,662		9,226,850		9,867,131			
		A&G Ms Cnptr Rprs	921		9,112,691												
		Employee Expenses	0921100	921	2,915,103	4,698,026		4,226,419		3,877,042		4,252,394		4,374,714			
		Employee Exp - Nc	0921101	921		3,618		2,767		1,727		(4,057)		7,192			
		Employee Exp - Sc	0921102	921								(885)		571			
		Relocation Expenses	0921110	921		7,707		3,753		(12,897)		703		(99,226)			
		Telephone And Telegraph Exp	0921300	921		1,742		1,044		1,758		1,591		3,604			
Administrative and General Salaries	Computer Services Expenses	Computer Services Expenses	0921400	921		4,382,010		3,758,010		4,535,847		6,508,600		3,758,994			
		Computer Rent (Go Only)	0921540	921		2,897,835		2,993,919		3,089,763		2,740,792		3,334,229			
		Other	0921600	921		124,007		60,680		(5,890)		90		12,949			
		Off Supplies & Exp - Proj Supt - Nrc Rec	0921800	921		532		30		690				3,212			
		Office Supply And Exp-Partner	0921900	921													
		Office Supplies And Expenses	0921980	921		25,053,862		26,460,045		23,647,618		29,596,127		33,226,841			
		Shared Services/Im Clearing	1199990	921				29		99							
		Storage - Gas Losses	0823000	921				(65)									
		Distribution Sys Ops - Supv/Eng	0870000	921		47		60									
		Gas Distribution - Other Expense	0880000	921			1	494									
Office Supplies and Expenses	Admin Exp Transfer	Admin Exp Transfer	0922000	922	58,739,952	49,951,505	(15%)	47,800,250	(4%)	43,547,509	(9%)	52,335,065	20%	54,554,016	4%		
		Admin Exp Transf - Construction	922		355			185		78,797		6,054		3,396			
Administrative Expenses Transferred-Credit	Admin Exp Transf - Construction	Admin Exp Transf - Construction	0922100	922		564,996		116,058		47							
					<b>922 Total</b>		<b>355</b>	<b>564,996</b>	<b>159054%</b>	<b>116,243</b>	<b>(79%)</b>	<b>78,843</b>	<b>(32%)</b>	<b>6,054</b>	<b>(92%)</b>	<b>3,396</b>	<b>(44%)</b>
Outside Services Employed	Outside Svcs Cont- Proj Supt - Nrc Rec	Outside Svcs Cont- Proj Supt - Nrc Rec	0923100	923		815		1,685,398		1,905,717		2,200,537		2,758,427			
		Outside Services Employee And	0923800	923		4,235,377		59,791,831		44,223,480		55,990,264		50,820,619			
		A&G Outside Services Emp	0923000	923		67,849,923	66,250,118	(2%)	61,478,095	(7%)	46,129,197	(25%)	58,130,801	26%	53,579,006	(8%)	
					<b>923 Total</b>		<b>67,849,923</b>	<b>66,250,118</b>	<b>(2%)</b>	<b>61,478,095</b>	<b>(7%)</b>	<b>46,129,197</b>	<b>(25%)</b>	<b>58,130,801</b>	<b>26%</b>	<b>53,579,006</b>	<b>(8%)</b>
		A&G Property Insurance	0924980	924		1,838,029		9,066,278		9,827,790		(517,004)		(7,642,006)			
		Allot Pec Prop Ins Exp	0924000	924		27,915		(175,526)		619,918		84,685		38,307			
		Admin-EH&S Expense	0924100	924													
		I/C Prop Ins Exp	0924050	924		13,073,000		9,393,000		7,806,000		8,128,900		6,829,800			
		Prop Ins For Corp Exp	0924980	924		2,428,049											
					<b>924 Total</b>		<b>17,366,993</b>	<b>16,689,829</b>	<b>(4%)</b>	<b>18,283,752</b>	<b>10%</b>	<b>18,253,708</b>	<b>(0%)</b>	<b>7,696,580</b>	<b>(58%)</b>	<b>(774,442)</b>	<b>(110%)</b>
Property Insurance	A&G Injuries And Damages	A&G Injuries And Damages	0925000	925	2,937,009	4,193,225		13,218,334		7,480,616		4,139,005		3,029,018			
		I/C Gen Liab Exp	0925051	925		3,013,000		3,748,000		3,658,000		3,964,900		3,801,200			
		Injuries And Damages - Other	0925200	925		459,360		770,771		639,585		391,177		390,159			
Injuries and Damages	Environmental Inj And Damages	Environmental Inj And Damages	0925300	925		548,553		4,280,061		1,432,181		(1,137,437)		(1,137,437)			
		Injuries And Damages	0925980	925		4,564,778		342,175		309,740		289,884		288,240			
					<b>925 Total</b>		<b>10,514,787</b>	<b>8,879,587</b>	<b>(16%)</b>	<b>18,324,398</b>	<b>106%</b>	<b>16,348,147</b>	<b>(11%)</b>	<b>10,215,504</b>	<b>(38%)</b>	<b>6,373,182</b>	<b>(38%)</b>
		A&G Employee Pens And Ben	0926000	926		136,629,188		39,168,308		75,098,778		90,723,707		121,308,047			
		A&G Pen/Ben-Rec&Edu	0926000	926		29											
		Employees' Tuition Refund	0926420	926				342		1,246		734		899			
		Employees' Recreation Expense	0926430	926				10,407		8,536		6,687		8,983			
		Other Employee Benefits	0926490	926				(117,580)		63,388							
		Employee Benefits - Transferred	0926600	926				896,981		9,893,472		12,219,802		224,914			
					<b>926 Total</b>		<b>136,629,217</b>	<b>78,470,717</b>	<b>(43%)</b>	<b>49,136,821</b>	<b>(37%)</b>	<b>87,327,117</b>	<b>78%</b>	<b>90,966,041</b>	<b>4%</b>	<b>115,350,507</b>	<b>27%</b>
Employee Pensions and Benefits	Reg Commission Expenses	Reg Commission Expenses	0927001	927				305		-		-		-			
					<b>927 Total</b>		<b>14</b>	<b>305</b>	<b>2079%</b>	<b>(100%)</b>							
		Reg Commission Expenses	0928000	928		6,369,799		8,056,044		7,495,555		7,127,626		8,596,196			
Franchise Requirements	Prof Fees Legal	Prof Fees Legal	0928031	928		21,227											
		Travel Expense	0928053	928				(535)		1,194							
					<b>928 Total</b>		<b>6,369,799</b>	<b>7,585,010</b>	<b>19%</b>	<b>8,057,238</b>	<b>6%</b>	<b>7,495,555</b>	<b>(7%)</b>	<b>7,127,626</b>	<b>(5%)</b>	<b>8,596,196</b>	<b>21%</b>
Regulatory Commission Expenses																	

Amounts in (\$000s)

Classification	Sub-Classification	Account Description	PeopleSoft		2013	2014	%Change	2015	%Change	2016	%Change	2017	%Change	2018	%Change
			Account	Account											
General Advertising Expenses	Duplicate Charges-CR	Admin Exp Transf	0929500	929	(42,523,890)	(8,190,150)		(3,492,937)		(3,226,558)		(5,200,746)		(3,711,159)	
		Duplicate Charges - Cr	0929000	929		(15,892,524)		(13,246,613)		16,884		16,884		11,256	
		929 Total			<u>(42,523,890)</u>	<u>(24,082,674)</u>	<u>(43%)</u>	<u>(16,739,550)</u>	<u>(30%)</u>	<u>(3,209,674)</u>	<u>(81%)</u>	<u>(5,183,862)</u>	<u>62%</u>	<u>(3,699,903)</u>	<u>(29%)</u>
		Gen Advertising Exp	0930150	930.1	289,122	3,299,438		2,742,401		2,196,396		3,368,011		3,591,669	
		930.1 Total			<u>289,122</u>	<u>3,299,438</u>	<u>1041%</u>	<u>2,742,401</u>	<u>(17%)</u>	<u>(3,296,396)</u>	<u>(20%)</u>	<u>3,368,011</u>	<u>53%</u>	<u>3,591,669</u>	<u>7%</u>
		Misc General Expenses	0930200	930.2	(26,013,190)	(26,961,434)		(29,220,638)		(37,092,254)		(32,258,814)		(24,724,558)	
		Industry Association Dues	0930210	930.2		875,918		773,579		789,764		807,962		727,449	
		Exp Of Servicing Securities	0930220	930.2		147,947		162,294		136,278		127,114		151,160	
		Dues To Various Organizations	0930230	930.2		368,626		360,792		278,654		238,582		265,024	
		A&G Misc Directors Fee	0930240	930.2	996,888	1,007,175		1,075,146		976,847		1,217,008		1,156,643	
Miscellaneous General Expenses	Buy/Sell Transf Employee Homes	0930250	930.2			9,588,542		8,534,381		3,759,745		1,589,076		990,897	
		Leased Circuit Charges - Other	0930600	930.2		847		1,277		1,147		3,544		7,531	
		Research And Development	0930700	930.2		188,775		73,688		118,621		89,236		47,691	
		R And D - Alternative Energy	0930800	930.2		1,186,622		1,336,027		1,329,509		1,313,722		1,379,975	
		General Expenses	0930940	930.2		72,185		90,974		163,356		147,436		110,574	
		930.2 Total			<u>(25,016,302)</u>	<u>(13,524,797)</u>	<u>(46%)</u>	<u>(16,812,480)</u>	<u>24%</u>	<u>(29,538,333)</u>	<u>76%</u>	<u>(26,725,134)</u>	<u>(10%)</u>	<u>(19,847,613)</u>	<u>(26%)</u>
		A&G Rents	0931001	931	5,978,108	19,990,848		22,198,724		23,467,695		10,135,131		19,040,439	
		A And G Rents Ic	0931008	931		7,492,125		4,572,804		10,471,391		10,135,131		11,203,005	
		931 Total			<u>5,978,108</u>	<u>27,482,973</u>	<u>360%</u>	<u>26,771,528</u>	<u>(3%)</u>	<u>33,939,086</u>	<u>27%</u>	<u>33,934,039</u>	<u>(0%)</u>	<u>30,243,444</u>	<u>(11%)</u>
		Cust Infor And Computer Control	0935200	935		11,538		7,460		10,232		1,641		44,604	
Maintenance of General Plant	Maint Of General Plant	0935100	935		(833,866)	1,070,243		(469,562)		1,387,306		755,468		639,660	
		935 Total			<u>(833,866)</u>	<u>1,081,781</u>	<u>(230%)</u>	<u>(469,102)</u>	<u>(142%)</u>	<u>1,397,539</u>	<u>(404%)</u>	<u>757,109</u>	<u>(46%)</u>	<u>684,263</u>	<u>(10%)</u>
		Total Electric Operation and Maintenance Expense			3,270,024,227	3,508,501,416	7%	3,489,903,310	(0%)	3,303,196,241	(6%)	2,964,745,521	(10%)	3,366,552,677	14%
		Total Operating - FERC			2,810,481,082	2,901,598,933		2,932,930,249		2,740,384,579		2,492,514,198		2,842,529,953	
		Total Maintenance - FERC			459,543,145	606,902,483		566,973,061		562,811,662		472,231,323		524,022,724	
		Total O&M - FERC			<u>3,270,024,227</u>	<u>3,508,501,416</u>		<u>3,499,903,310</u>		<u>3,303,196,241</u>		<u>2,964,745,521</u>		<u>3,366,552,677</u>	
		Difference			-	-		-		-		-		-	

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For The Calendar Years 2013 Through 2017 And The Test Year Ended December 31, 2018**

**Item No. 12c**  
**Salaries and Wages**

Amounts in (\$000s)

No.	Item (a)	2013		2014		2015		2016		2017		2018	
		Amount (b)	% Change (c)	Amount (d)	% Change (e)	Amount (f)	% Change (g)	Amount (h)	% Change (i)	Amount (j)	% Change (k)	Amount (l)	% Change (m)
1	<u>Wages charged to expense:</u>												
2	Power Production expenses	295,023		360,061	22.0%	421,981	17.2%	393,271	(6.8%)	387,595	(1.4%)	387,327	(0.1%)
3	Transmission expenses	16,801		14,201	(15.5%)	13,159	(7.3%)	16,126	22.5%	13,695	(15.1%)	19,298	40.9%
4	Distribution expenses	54,055		56,309	4.2%	51,309	(8.9%)	66,693	30.0%	49,047	(26.5%)	70,080	42.9%
5	Customer accounts expenses	14,782		14,947	1.1%	16,484	10.3%	18,551	12.5%	18,097	(2.4%)	21,024	16.2%
5a	Customer service and information	6,456		2,857	(55.8%)	2,422	(15.2%)	2,681	10.7%	2,501	(6.7%)	2,244	(10.3%)
6	Sales expenses	1,181		2,099	77.7%	3,507	67.1%	3,800	8.4%	4,041	6.4%	4,977	23.2%
7	Administrative and General expenses:												
(7a)	Administrative and general salaries	105,227		71,055	(32.5%)	101,571	42.9%	120,731	18.9%	86,854	(28.1%)	144,515	66.4%
(7b)	Office supplies and expense	(1,006)		0	(100.0%)	0	87.3%	2	1159.0%	1	(44.2%)	0	(51.3%)
(7c)	Administrative expense transferred-cr.	-		-		-		10		2	(83.8%)	3	116.1%
(7d)	Outside services employed	-		9		5	(47.9%)	(84)	(1867.7%)	13	(115.1%)	25	94.9%
(7e)	Property Insurance	-		4		-	(100.0%)	-		1		-	(100.0%)
(7f)	Injuries and damages	73		160	119.0%	167	4.6%	180	7.4%	129	(28.5%)	128	(0.8%)
(7g)	Employee pensions and benefits	15,281		-	(100.0%)	0		1	400.0%	-	(100.0%)	0	
(7h)	Franchise requirements	-		-		-		-		-		-	
(7i)	Regulatory commission expenses	-		-		-		-		-		-	
(7j)	Duplicate charges - cr.	-		-		-		-		-		-	
(7k)	Miscellaneous general expense	(25,472)		(3,315)	(87.0%)	201	(106.1%)	209	4.4%	256	22.2%	106	(58.7%)
(7l)	Rents	-		-		1		-	(100.0%)	-		8	
(7m)	Maintenance of general plant	(4,070)		(2,548)	(37.4%)	110	(104.3%)	269	145.3%	178	(33.7%)	139	(21.9%)
8	Total administrative and general expenses	90,033		65,365	(27.4%)	102,055	56.1%	121,317	18.9%	87,433	(27.9%)	144,924	65.8%
9	Total salaries and wages charged to expense (L2 through L6 + L8)	478,331		515,838	7.8%	610,916	18.4%	622,438	1.9%	562,410	(9.6%)	649,874	15.6%
10	Wages capitalized												
10a	All other labor	123,216		119,684	(2.9%)	132,158	10.4%	150,550	13.9%	166,919	10.9%	193,745	16.1%
11	Total salaries and wages	83,569		19,728	(76.4%)	21,623	9.6%	20,648	(4.5%)	24,127	16.8%	35,002	45.1%
12	Ratio of salaries and wages expensed to total wages (L9 / L11)	685,115		655,250	(4.4%)	764,698	16.7%	793,636	3.8%	753,456	(5.1%)	878,621	16.6%
13	Ratio of salaries and wages capitalized to total wages (L10 / L11)	70%		79%		80%		78%		75%		74%	
14	Ratio of salaries and wages charged to all other to total wages (L10a / L11)	18%		18%		17%		19%		22%		22%	
		12%		3%		3%		3%		3%		4%	

NOTES: - Amounts represent labor as booked plus estimated adjustments for the labor portion of Stores distributed from Stores via material burdens and from Clearing accounts via allocations.  
- Percent represents increase of each year over the prior year in Columns (e), (g), (i), (k), and (m).  
- Line 10a - All other labor is composed primarily of non-capital balance sheet accounts (e.g. deferred debits, liabilities, clearing accounts, etc.) and non-regulated O&M.



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 13**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

Provide the following tax data for the test year for total company, North Carolina retail, other retail jurisdictions, and FERC wholesale:

**a. Income taxes:**

1. Federal operating income taxes deferred - accelerated tax depreciation
2. Federal operating income taxes deferred - other (explain)
3. Federal income taxes - operating
4. Income credits resulting from prior deferrals of federal income taxes
5. Investment tax credit net
  - i. Investment credit realized
  - ii. Investment credit amortized - Pre-Revenue Act of 1971
  - iii. Investment credit amortized - Revenue Act of 1971
6. Provide the information in item 13.a (1) through 13.a (4) for state income taxes
7. Reconciliation of book to taxable income as shown in Format 13a (7) attached and a calculation of the book federal and state income tax expense for the test year using book taxable income as the starting point.
8. A copy of federal and state income tax returns including supporting schedules for the taxable year ended during the test year.
9. The quarterly gross receipts tax returns for each quarter during the test year.

**b. An analysis of North Carolina's other operating taxes. See Format 13-b.**

**c. Provide the calculation of deferred income tax expense for the test year. See Format 13-c.**

**d. Provide a reconciliation of beginning and ending test year accumulated deferred income tax. See Format 13-d.**

**e. Provide the calculation of investment tax credits for the test year.**

**f. Provide a reconciliation of beginning and ending test year unamortized investment tax credits. See Format 13-d columnar hearings.**

**Response:**

Please see the following attached files:

"DEP Rate Case E1 13(a)(1)-(a)(6) Fed & State Tax Expense & ITC.xlsx"



DEP Rate Case E1  
13(a)(1)-(a)(6) Fed & :

"DEP Rate Case E1 13(a)(7) Fed & State Taxable Inc\_Exp.xlsx"



DEP Rate Case E1  
13(a)(7) Fed & State

"DEP Rate Case E1 13(a)(8) 2017 Proforma Federal Tax Return.pdf"



DEP Rate Case E1  
13(a)(8) 2017 Proform

"DEP Rate Case E1 13(a)(8) 2017 Proforma NC Tax Return.pdf"



DEP Rate Case E1  
13(a)(8) 2017 Proform

"DEP Rate Case E1 13(a)(9) 2017 Proforma NC Franchise Tax Return.pdf"



DEP Rate Case E1  
13(a)(9) 2017 Proform

"DEP Rate Case E1 13(b) NC Other Operating Taxes.xlsx"



DEP Rate Case E1  
13(b) NC Other Ope

"DEP Rate Case E1 13(c) Reconciliation DIT Expense.xlsx"



DEP Rate Case E1  
13(c) Reconciliation

"DEP Rate Case E1 13(d) - Reconciliation ADIT.xlsx"



DEP Rate Case E1  
13(d) - Reconciliatio

"DEP Rate Case E1 13(e) Calculation of ITC.xlsx"



DEP Rate Case E1  
13(e) Calculation of

"DEP Rate Case E1 13(f) Reconciliation of ITC.xlsx"



DEP Rate Case E1  
13(f) Reconciliation

DUKE ENERGY PROGRESS, LLC  
 Docket No. E-2, Sub 1219  
 NCUC Form E-1 Data Request  
 For the test year ended December 31, 2018

Item No. 13(a)(1)-(4)  
 Item No. 13(a)(6)

Analysis of Operating Federal & State Current & Deferred Income Tax Expense (Excludes Non-Operating Taxes)

Description	Current	Current	Current	Current	Deferred	Deferred	Deferred	Current & Deferred
	Federal	North Carolina	South Carolina	Total State	Federal	State	Total	Total
Current Year Tax Provision	(31,717,026)	302,510	(1,846,877)	(1,544,367)	192,704,181	26,143,889	218,848,070	185,586,677
Investment Tax Credit Amortization	-	-	-	-	(3,355,660)	-	(3,355,660)	(3,355,660)
Tax Basis Balance Sheet Adjustments	-	-	-	-	(41,226)	-	(41,226)	(41,226)
Provision to Tax Return True Ups	(35,569,848)	(1,986,511)	(407,594)	(2,394,105)	29,222,685	(942,428)	28,280,257	(9,683,696)
Audit Settlement Adjustments	-	-	-	-	(377,571)	-	(377,571)	(377,571)
FIN 48	993,910	-	-	-	-	-	-	993,910
North Carolina State Rate Change - NC Retail Amortization	-	-	-	-	10,092,564	(28,835,896)	(18,743,332)	(18,743,332)
North Carolina State Rate Change - SC Retail Amortization	-	-	-	-	4,191,879	(11,976,796)	(7,784,917)	(7,784,917)
North Carolina State Rate Change - Wholesale	-	-	-	-	196,437	(935,416)	(738,979)	(738,979)
TCJA Federal Rate Change	-	-	-	-	1,410,676	-	1,410,676	1,410,676
Rounding Adjustments	-	-	1	1	-	-	-	1
<b>Total</b>	<b>(66,292,964)</b>	<b>(1,684,001)</b>	<b>(2,254,470)</b>	<b>(3,938,471)</b>	<b>234,043,965</b>	<b>(16,546,648)</b>	<b>217,497,317</b>	<b>147,265,882</b>
<b>Tiepoints to FERC Form 1:</b>								
Page 114, line 15								(66,292,964)
Page 114, line 16	(66,292,964)			(3,938,471)			843,871,407	(3,938,471)
Page 114, line 17							(623,018,430)	843,871,407
Page 114, line 18							(3,355,660)	(623,018,430)
Page 114, line 19								(3,355,660)
<b>Total per FERC Form 1</b>	<b>(66,292,964)</b>			<b>(3,938,471)</b>			<b>217,497,317</b>	<b>147,265,882</b>

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 13(a)(5)

DR(CR) Acct 255

1	Investment credit realized	\$ (2,112,850) <i>See details at Item No. 13(e)</i>
2	Investment credit amortized - pre-revenue Act of 1971	NONE
3	Investment credit amortized - revenue act of 1971	\$ 3,355,660 <i>See details at Item No. 13(f)</i>

<b>DUKE ENERGY PROGRESS, LLC</b>					<b>Item No. 13(a)(7)</b>
Docket No. E-2, Sub 1219					
NCUC Form E-1 Data Request					
For the test year ended December 31, 2018					
	<b>Calculation of Federal Taxable Income and Federal Tax Expense</b>				
<b>Description</b>	<b>Reference</b>	<b>Utility</b>	<b>Non-Utility</b>	<b>Total</b>	<b>Reference</b>
<b>Net Income per FERC Financial Statement</b>	FERC Form 1, Pg. 117, lines 27-28, column C	<b>955,570,403</b>	<b>(288,534,212)</b>	<b>667,036,191</b>	
Earnings of Subsidiaries	FERC Form 1, Pg. 117, lines 36, column C FERC Form 1, Pg. 114, line 15, column C FERC Form 1, Pg. 117, line 53, column C		(7,394,428)	(7,394,428)	FERC Form 1, Pg. 261, Line 1, column b
Federal Income Taxes (409)	FERC Form 1, Pg. 114, line 16, column C FERC Form 1, Pg. 117, line 54, column C FERC Form 1, Pg. 117, line 55-line 56, column C	(66,292,964)	(5,144,014)	(71,436,978)	
State Income Taxes (409)	FERC Form 1, Pg. 114, line 16, column C FERC Form 1, Pg. 117, line 54, column C FERC Form 1, Pg. 117, line 55-line 56, column C	(3,938,471)	(645,223)	(4,583,694)	
Deferred Income Taxes (410 & 411))	FERC Form 1, Pg. 117, line 55-line 56, column C	220,852,977	18,581,885	239,434,862	
ITC Amortization	FERC Form 1, Pg. 114, line 19, column C	(3,355,660)		(3,355,660)	
Reallocated Interest Expense		(315,465,770)	315,465,770	0	
Move Subsidiary Income to Parent			7,338,146	7,338,146	
Rounding		(1)	2	1	
<b>Subtotal Adjustments</b>		<b>(168,199,889)</b>	<b>328,202,138</b>	<b>160,002,249</b>	
<b>Total Total Pre-Tax Book Income</b>		<b>787,370,514</b>	<b>39,667,926</b>	<b>827,038,440</b>	
<b>Total Deductible State Tax</b>		<b>1,544,367</b>	<b>380,752</b>	<b>1,925,119</b>	
<b>Permanent Differences:</b>					
P11A02: COLL Policy Gains/Death Benefits		-	(7,628,097)	(7,628,097)	
P11A03: Duke Energy COLL Interest		-	1,939,033	1,939,033	
P11A20: Lobbying		-	1,810,000	1,810,000	
P11A22: Meals		2,950,000	350,000	3,300,000	
P11A32: Penalties		-	288,255	288,255	
P11A62: Tax Exempt Int. -Decomm. Deduct		(7,696,675)	-	(7,696,675)	
P11A64: Exec. Life Insurance Exp.		-	246,179	246,179	
P11A66: 70% Dividend Received Exclusion		(1,676,000)	-	(1,676,000)	
P11A77: AFUDC Equity		-	(56,812,523)	(56,812,523)	
P11A95: After Tax ADC,M&E,ITC Permanent		22,160,950	-	22,160,950	
P11B17: LESOP Depreciation		884,957	-	884,957	
<b>Total Permanent Differences</b>		<b>16,623,232</b>	<b>(59,807,153)</b>	<b>(43,183,921)</b>	
<b>Temporary Differences:</b>					
T11A02: Bad Debts - Tax over Book		899,626	-	899,626	
T11B06: Surplus Materials Write-off Liab		135,110	-	135,110	
T11B08: Surplus Materials Write-Off Asset		1,285,077	-	1,285,077	
T12A05: Passthrough Income from K-1		-	-	-	
T13A04: AFUDC Interest		-	(25,699,616)	(25,699,616)	
T13A08: Book Depreciation/Amortization		781,151,744	633,026	781,784,770	
T13A10: Adjustment To Book Depreciation		17,438,393	-	17,438,393	
T13A12: Book Gain/Loss on Property		-	(912,437)	(912,437)	
T13A14: Contributions in Aid (CIAC's)		53,757,852	-	53,757,852	
T13A18: Capitalized Hardware/Software		2,844,430	-	2,844,430	
T13A19: After Tax ADC,M&E, ITC Temporary		(22,160,950)	-	(22,160,950)	
T13A26: Tax Interest Capitalized		46,354,734	-	46,354,734	
T13A28: Tax Depreciation/Amortization		(1,119,440,391)	-	(1,119,440,391)	
T13A30: Tax Gains/Losses		(167,904,084)	-	(167,904,084)	
T13A32: Impairment		-	211,398	211,398	

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Description	Reference	Utility	Non-Utility	Total
T13A35: DOE Cash Grant		6,138,951	-	6,138,951
T13A51: Nuclear Fuel Book Burned		184,163,880	-	184,163,880
T13B08: ASSET RETIREMENT OBLIGATION		124,550,328	-	124,550,328
T13B09: Book Depreciation Charged to Other Accounts		7,723,460	-	7,723,460
T13B23: Non-Cash Overhead Basis Adj		(235,925)	-	(235,925)
T13B26: Equipment Repairs - Annual Adj		(225,000,000)	-	(225,000,000)
T13B31: Impairment of Plant Assets		-	3,383,031	3,383,031
T13B33: T & D Repairs - Annual Adj		(35,200,000)	-	(35,200,000)
T13B45: Asset Retirement Obligation - Coal Ash		28,640,285	-	28,640,285
T15A22: Mark to Market - LT		(2,970,173)	-	(2,970,173)
T15A23: Mark to Market Reg - LT		2,300,681	-	2,300,681
T15A46: Design Basis Amort		721,298	-	721,298
T15A96: Clean Coal Rider		(283,489)	-	(283,489)
T15B04: Reg Asset - Acct Pension FAS158 - FAS87Qual		119,370	-	119,370
T15B07: Cash Flow Hedge - Reg Asset/Liab		669,492	-	669,492
T15B08: Reg Asset - Environmental		(29,172,679)	-	(29,172,679)
T15B18: Reg Asset Storm Damage Recovery		(3,782,175)	-	(3,782,175)
T15B21: Deferred Asset-SC DERP		(5,784,210)	-	(5,784,210)
T15B22: NC Storm Deferral - Matthew		(28,067,622)	-	(28,067,622)
T15B27: Reg Asset Rate Case Expense - SC		2,285,080	-	2,285,080
T15B28: Reg Asset - Rate Case Expense		(3,482,033)	-	(3,482,033)
T15B29: Reg Asset-Pension Post Retirement PAA-FAS87Qual and Oth		18,670,686	-	18,670,686
T15B31: Returns on State Excess Deferred Income Taxes		2,515,760	-	2,515,760
T15B37: Reg Asset-Pension Post Retirement PAA-FAS87NQ and Oth		670,164	-	670,164
T15B38: Reg Asset-Pension Post Retirement PAA-FAS 106 and Oth		(649,887)	-	(649,887)
T15B40: Reg Asset - Acct Pension FAS158 - FAS87NQ		(100,761)	-	(100,761)
T15B45: Reg Asset - Plant Related Retirements		18,593,069	-	18,593,069
T15B52: Storm Cost Deferral- Asset		(405,963,580)	-	(405,963,580)
T15B53: SC Pollution Control Deferral		2,513,675	-	2,513,675
T15B67: Reg Liab - Rotable Spare Parts		(1,393,193)	-	(1,393,193)
T15B70: Reg Asset - Harris COLA - Wholesale		575,441	-	575,441
T15B71: Reg Asset - Harris COLA - Retail		9,505,643	-	9,505,643
T15B73: Reg Asset - Deferred Cost on AMI Meters		(466,544)	-	(466,544)
T15B74: Regulatory Fee - North Carolina		(41,045)	-	(41,045)
T15B75: SC Storm Deferral - Matthew		(72,259,865)	-	(72,259,865)
T15B76: SC Deferred Storm Cost Equity		9,271,690	-	9,271,690
T15B77: Non-AMI Meters Re-fired Early - NBV		(12,421,400)	-	(12,421,400)
T15B78: NC Customer Connect Deferral		(7,620,281)	-	(7,620,281)
T15B79: SC Energy Efficiency Reg Asset		12,599,681	-	12,599,681
T15B80: NC Energy Efficiency Reg Asset		16,784,995	-	16,784,995
T15B82: SC Customer Connect Deferral		(960,319)	-	(960,319)
T15B83: Reg Asset - Rate Case Expense - Amortization - NC		(1,747,700)	-	(1,747,700)
T15B84: Reg Asset - Harris COLA - SC Retail		(6,087,361)	-	(6,087,361)
T15B85: Reg Asset - Deprecia ion Deferral - SC		(5,296,826)	-	(5,296,826)
T17A01: Vaca ion Carryover - Reg Asset		751,766	-	751,766
T17A02: Accrued Vacation		1,059,123	-	1,059,123



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Description	Reference	Utility	Non-Utility	Total
T17A40: SEVERANCE RESERVE - LT		40,171,739	-	40,171,739
T17A41: Unbilled Fuel Revenue - NC		743,657	-	743,657
T17A54: MGP Sites		(42,700)	-	(42,700)
T18A02: Deferred Revenue		830,592	-	830,592
T19A02: Deferred Compensation		(1,662,507)	-	(1,662,507)
T19A22: Miscellaneous NC Taxable Income Adj - DTA		5,795,684	-	5,795,684
T19A22: Miscellaneous NC Taxable Income Adj - DTA		71,754,917	-	71,754,917
T19A55: Workers Com Reserve		(1,023,487)	-	(1,023,487)
T19A86: Deferred Fuel Asset - LT		(267,361,268)	-	(267,361,268)
T19A87: Deferred Fuel Liability - LT		383,896	-	383,896
T19A94: UNBILLED REVENUE - FUEL		(606,942)	-	(606,942)
T19A96: Lawsuit Contingency		(1,290,957)	-	(1,290,957)
T19A96: Lawsuit Contingency			(2,500,000)	(2,500,000)
T20A25: SC Grid Deferred Costs - Reg Asset		(1,263,372)	-	(1,263,372)
T20A26: SC Grid Deferred Costs - Reg Asset Contra Equity		374,233	-	374,233
T20A30: REPS Incremental Costs		215,369	-	215,369
T20A32: Return on Solar Assets		(630,918)	-	(630,918)
T20A35: Regulatory Asset - Severance		577,398	-	577,398
T20A38: Regulatory Asset - Deferred Plant Costs		328,188	-	328,188
T20A41: Rate Refunds		14,959,840	-	14,959,840
T20A42: COR Settlement - South Carolina		532,576	-	532,576
T20A43: Renewable Energy Liability - NC Retail		22,458,955	-	22,458,955
T20A44: Reg Asset Nuclear Levelization on Plant Outages		(10,977,009)	-	(10,977,009)
T20A45: End of Life Nuclear Fuel Cost Reserve		13,072,784	-	13,072,784
T20A47: COR Settlement - North Carolina		82,483,582	-	82,483,582
T20A48: Wayne & Sutton Deferrals		2,884,918	-	2,884,918
T20A49: Fukushima Cybersecurity Deferral - SC		(570,035)	-	(570,035)
T20A50: NCEMPA Deferrals - NC		2,280,268	-	2,280,268
T20A51: NCEMPA Deferrals - SC		204,036	-	204,036
T20A52: NCEMPA SC Equity Reserve		199,572	-	199,572
T20A53: Renewable Energy Liability - Wholesale		(412,129)	-	(412,129)
T20A54: Reg Liability - Rate Case Expense - Amortization - NC		5,200,389	-	5,200,389
T20H70: ABSAT - Deferred Costs - NC		(677,954)	-	(677,954)
T20H71: ABSAT - Deferred Costs - SC		(111,301)	-	(111,301)
T20H72: ABSAT - Equity Reserve - NC		272,808	-	272,808
T20H73: ABSAT - Equity Reserve - SC		47,784	-	47,784
T22A01: Emission Allowance Expense		20,951	-	20,951
T22A03: Gain on Emission Allowances		(1,042,685)	-	(1,042,685)
T22A09: Charitable Contribution Accruals		(7,489,687)	-	(7,489,687)
T22A16: Self Developed Software		(37,909,282)	-	(37,909,282)
T22A23: Retirement Plan Expense - Overfunded		(12,275,150)	-	(12,275,150)
T22A28: Retirement Plan Expense - Underfunded		(19,666)	-	(19,666)
T22A29: Non-qualified Pension - Accrual		(1,378,705)	-	(1,378,705)
T22A36: Spent Fuel Canisters		17,268,845	-	17,268,845
T22A56: Environmental Reserve		889,576	-	889,576
T22A72: COLL Death Benefits		786,000	-	786,000

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Description	Reference	Utility	Non-Utility	Total
T22B13: ANNUAL INCENTIVE PLAN COMP		(2,154,498)	-	(2,154,498)
T22B15: PAYABLE 401 (K) MATCH		(86,171)	-	(86,171)
T22B16: Miscellaneous NC Taxable Income Adj - DTL		(8,343,921)	-	(8,343,921)
T22B16: Miscellaneous NC Taxable Income Adj - DTL		(335,739)	-	(335,739)
T22B16: Miscellaneous NC Taxable Income Adj - DTL		(442,248)	-	(442,248)
T22B16: Miscellaneous NC Taxable Income Adj - DTL		(1,457,218)	-	(1,457,218)
T22B16: Miscellaneous NC Taxable Income Adj - DTL		(3,150,187)	-	(3,150,187)
T22B16: Miscellaneous NC Taxable Income Adj - DTL		(58,101)	-	(58,101)
T22B29: Tax Int Accrual - Non-cur Liab		-	77,088	77,088
T22B36: Deferred Book Gain/Loss		(641,434)	-	(641,434)
T22B43: DOE Settlement		(1,699,384)	-	(1,699,384)
T22E02: OPEB Expense Accrual		(8,603,331)	-	(8,603,331)
T22E06: FAS 112 Medical Expenses Accrual		(163,401)	-	(163,401)
T22H05: Non-Qualified Fund MTM Earnings		17,586,397	-	17,586,397
T22H07: Decommissioning Qualified Fund		67,700,150	-	67,700,150
T22H09: Decommissioning Liability		(169,537,487)	-	(169,537,487)
T22H11: Asset Retirement Costs - ARO		35,184,167	-	35,184,167
T22H12: ARO Regulatory Asset		(70,442,545)	-	(70,442,545)
T22H45: Asset Retirement Costs - Coal Ash		4,168,326	-	4,168,326
T22H46: ARO Regulatory Asset - Coal Ash		(33,259,135)	1,783,398	(31,475,737)
T22H47: Coal Ash Capitalized for Tax		45,433,513	-	45,433,513
T22H48: Coal Ash Spend Reg Asset - Contra Equity		2,747,423	-	2,747,423
T22H49: Coal Ash Spend - Wholesale		52,069,181	2,181,978	54,251,159
T22H50: Coal Ash Spend Reg Asset Deferral - Retail (SC & FL)		(22,375,400)	3,065,186	(19,310,214)
T22H51: Coal Ash Spend Reg Asset Approved - Retail (SC & FL)		319,582	-	319,582
T22H53: Coal Ash Spend Reg Asset Deferral - Retail (NC & MW)		(145,411,874)	-	(145,411,874)
T22H54: Coal Ash Spend Reg Asset Approved - Retail (NC & MW)		(211,043,456)	25,915,333	(185,128,123)
T22H55: Coal Ash Spend Deferred Debit - Retail (NC)		248,767,784	-	248,767,784
Total Temporary Differences		(1,071,037,212)	8,138,385	(1,062,898,827)
Other Pre-Tax Adjustments:				
Net Operating Loss Utilization		112,071,543		112,071,543
Total Other Pre-Tax Adjustments		112,071,543	-	112,071,543
Total Book/Tax Differences		(1,108,997,959)	276,914,122	(832,083,837)
Federal Taxable Income		(153,427,556)	(11,620,090)	(165,047,646)
Federal Tax Rate		21%	21%	21%
		(32,219,787)	(2,440,219)	(34,660,006)
Other Adjustments:				
UTP Federal Tax Expense		993,910		993,910
Prior Year State True Up - Federal Effect		502,762	55,539	558,301
Prior Year Federal Tax True Up		(35,569,848)	(2,759,334)	(38,329,182)
Rounding		(1)	(1)	(2)
Total Other Adjustments		(34,073,177)	(2,703,795)	(36,776,972)

FERC Form 1, Pg. 261, Line 31, Column b

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	Calculation of Federal Taxable Income and Federal Tax Expense					
Description	Reference	Utility	Non-Utility	Total	Reference	
Total Current Federal Income Tax Expense - Computed		(66,292,964)	(5,144,014)	(71,436,978)	FERC Form 1, Pg. 261, Line 33, Column b	
Current Federal Income Taxes - per FERC Form 1	FERC Form 1, Pg. 114, line 15, column C FERC Form 1, Pg. 117, line 53, column C	(66,292,964)	(5,144,014)	(71,436,978)		
Difference		(0)	0	(0)		

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Item No. 13(b)

## TAXES ACCRUED, PREPAID AND CHARGED DURING YEAR

Kind of Tax (a)	BOY BALANCE		(DR)CR 236 Taxes Charged During Year Operating (d)	(DR)CR 236 Taxes Charged During Year Non-Operating (e)	DR(CR) 236 Paid During Year (f)	(DR)CR 236 Adjustments (g)	EOY BALANCE	
	(DR)CR 236 Taxes Accrued (b)	DR(CR) 165 Prepaid Taxes (c)					(DR)CR 236 Taxes Accrued (Account 236) (h)	DR(CR) 165 Prepaid Taxes (Incl. in Account 165) (i)
<b>NORTH CAROLINA:</b>								
Property	17,008,589	-	##### #	1,909,368	80,569,559	(1,932,526)	1,057,600	-
Franchise	2,776,458	-	15,989,969		16,060,590	(2,400,000)	305,837	-
Unemployment	800	-	64,295		45,620		19,475	-
Municipal License	(152,338)	-	365,611		365,611		(152,338)	-
Other Taxes	-	-	(5,969,295)		(5,969,295)		-	-
<b>Total North Carolina</b>	<b>19,633,509</b>	<b>-</b>	<b>75,092,308</b>	<b>1,909,368</b>	<b>91,072,085</b>	<b>(4,332,526)</b>	<b>1,230,574</b>	<b>-</b>

DUKE ENERGY PROGRESS, LLC  
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/A  
2018 State Def Rate 2.7460% A  
2018 Federal Def Rate 20.4233% B  
23.1693%

Item No. 13(c)

Calculation of Deferred Tax Expense

C					D		E		F		G		H		I	
Current Activity					Deferred Only		Return to Provision		Total Pretax		State		Federal		Total	
190001/2	ADIT: Prepaid Taxes															
T11A02	Bad Debts - Tax over Book	899,626	0	0	899,626	24,704	183,734	208,437								
T11B06	Surplus Materials Write-off Liab	135,110	0	0	135,110	3,710	27,594	31,304								
T11B08	Surplus Materials Write-Off Asset	1,285,077	0	0	1,285,077	35,288	262,456	297,744								
T11B17	Sec 481(a) Roll-Average Meth of Accting for Inventories	0	0	0	0	-	-	-								
T13A32	Impairment	211,398	0	0	211,398	5,805	43,175	48,980								
T13B08	ASSET RETIREMENT OBLIGATION	124,550,328	0	(10,554,907)	113,995,421	3,130,314	23,281,672	26,411,987								
T13B45	Asset Retirement Obligation - Coal Ash	28,640,285	0	0	28,640,285	786,462	5,849,303	6,635,765								
T15A22	Mark to Market - LT	(2,970,173)	0	0	(2,970,173)	(688,169)	(606,609)	(688,169)								
T15A23	Mark to Market Reg - LT	2,300,681	0	0	2,300,681	63,177	469,876	533,053								
T15B07	Cash Flow Hedge - Reg Asset/Liab	669,492	0	0	669,492	18,384	136,733	155,117								
T15B31	Returns on State Excess Deferred Income Taxes	2,515,760	0	0	2,515,760	69,083	513,802	582,885								
T15B67	Reg Lab - Rotable Spare Parts	(1,393,193)	1,117,148	0	(276,045)	(7,580)	(56,378)	(63,958)								
T17A02	Accrued Vacation	1,059,123	0	0	1,059,123	29,084	216,308	245,392								
T17A40	SEVERANCE RESERVE - LT	40,171,739	0	0	40,171,739	1,103,116	8,204,411	9,307,527								
T17A41	Unbilled Fuel Revenue - NC	743,657	0	0	743,657	20,421	151,880	172,300								
T17A54	MGP Sites	(42,700)	0	0	(42,700)	(1,173)	(8,721)	(9,893)								
T18A02	Deferred Revenue	830,592	0	0	830,592	22,808	169,635	192,443								
T19A02	Deferred Compensation	(1,662,507)	0	0	(1,662,507)	(45,652)	(339,539)	(385,192)								
T19A22	Miscellaneous NC Taxable Income Adj- DTA	77,550,601	0	0	77,550,601	2,129,540	15,838,423	17,967,962								
T19A55	Workers Com Reserve	(1,023,487)	0	0	(1,023,487)	(28,105)	(209,030)	(237,135)								
T19A85	Job Retention Rider	0	0	0	0	-	-	-								
T19A87	Deferred Fuel Liability - LT	383,896	0	0	383,896	10,542	78,404	88,946								
T19A94	UNBILLED REVENUE - FUEL	(606,942)	0	0	(606,942)	(16,667)	(123,958)	(140,624)								
T19A96	Lawsuit Contingency	(3,790,957)	0	0	(3,790,957)	(104,100)	(774,240)	(878,340)								
T20A41	Rate Refunds	14,959,840	0	0	14,959,840	410,797	3,055,299	3,466,096								
T20A43	Renewable Energy Liability - NC Retail	22,458,955	0	(18,424,497)	4,034,458	110,786	823,971	934,757								
T20A45	End of Life Nuclear Fuel Cost Reserve	13,072,784	0	0	13,072,784	358,979	2,669,899	3,028,878								
T20A53	Renewable Energy Liability - Wholesale	(412,129)	0	(26,145)	(438,274)	(12,035)	(89,510)	(101,545)								
T20A54	Reg Liability - Rate Case Expense - Amortization - NC	5,200,389	0	0	5,200,389	142,803	1,062,093	1,204,896								
T22A01	Emission Allowance Expense	20,951	0	0	20,951	575	4,279	4,854								
T22A03	Gain on Emission Allowances	(1,042,685)	0	1	(1,042,684)	(28,632)	(212,951)	(241,583)								
T22A07	Charitable Contribution Carryover	0	0	986,505	986,505	27,089	201,477	228,567								
T22A09	Charitable Contribution Accruals	(7,489,687)	0	0	(7,489,687)	(205,667)	(1,529,644)	(1,735,311)								
T22A28	Retirement Plan Expense - Underfunded	(19,666)	0	0	(19,666)	(540)	(4,016)	(4,556)								
T22A29	Non-qualified Pension - Accrual	(3,353,006)	0	0	(3,353,006)	(92,074)	(684,796)	(776,869)								
T22A30	Retirement Plan Funding - Underfunded	0	0	24,819,676	24,819,676	681,548	5,069,007	5,750,555								
T22A56	Environmental Reserve	889,576	0	0	889,576	24,428	181,681	206,109								
T22A72	COLI Death Benefits	786,000	0	0	786,000	21,584	160,527	182,111								
T22B13	ANNUAL INCENTIVE PLAN COMP	(2,154,498)	0	0	(2,154,498)	(59,163)	(440,020)	(499,183)								
T22B15	PAYABLE 401 (K) MATCH	(86,171)	0	0	(86,171)	(2,366)	(17,599)	(19,965)								
T22B29	Tax Int Accrual - Non-cur Liab	77,088	0	0	77,088	2,117	15,744	17,861								
T22B36	Deferred Book Gain/Loss	(641,434)	0	136,023	(505,411)	(13,879)	(103,222)	(117,100)								
T22B43	DOE Settlement	(1,699,384)	0	0	(1,699,384)	(46,665)	(393,786)	(439,451)								
T22E02	OPER Expense Accrual	(18,481,771)	0	0	(18,481,771)	(507,509)	(3,774,595)	(4,282,104)								
T22E06	FAS 112 Medical Expenses Accrual	(163,401)	0	0	(163,401)	(4,487)	(33,372)	(37,859)								
T22H09	Decommissioning Liability	(169,537,487)	0	0	(169,537,487)	(4,655,499)	(34,625,217)	(39,280,717)								
Total 190001/2		122,841,670	1,117,148	(3,063,344)	120,895,474	3,319,790	24,690,894	28,010,683								
190051/52	Accum Deferred - OCI															
T2214	OCI - Fwd Start Swap	0	0	0	0	-	-	-								
Total 190051/52		0	0	0	0	-	-	-								
282100/1	ADIT: PPE															
T13A04	AFUDC Interest	(25,699,616)	0	0	(25,699,616)	(705,711)	(5,248,720)	(5,954,431)								
T13A08	Book Depreciation/Amortization	781,784,770	0	(1)	781,784,769	21,467,810	159,666,561	181,134,371								
T13A10	Adjustment to Book Depreciation	17,438,393	0	(3,814,580)	13,623,813	374,110	2,782,438	3,156,548								
T13A12	Book Gain/Loss on Property	(912,437)	0	(136,023)	(1,048,460)	(28,791)	(214,131)	(242,921)								
T13A14	Contributions in Aid (CIAC's)	53,757,852	0	0	53,757,852	1,476,191	10,979,149	12,455,340								
T13A16	Cost of Removal	0	0	0	0	-	-	-								
T13A18	Capitalized Hardware/Software	2,844,430	0	2,179,792	5,024,222	137,965	1,026,114	1,164,079								

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Calculation of Deferred Tax Expense**

/A  
2018 State Def Rate **2.7460% A**  
2018 Federal Def Rate **20.4233% B**  
**23.1693%**

Item No. 13(c)

				Pretax Current Year			Tax Effect on Pretax for Current Year Activity			
				C	D	E	C+D+E = F	F+A = G	F+B = H	G+H
Code	Name	Current Activity	Deferred Only	Return to Provision	Total Pretax	State	Federal	Total		
T13A19	After Tax ADC, M&E, JTC Temporary	(22,160,950)	0	(2,956)	(22,163,906)	(608,621)	(4,526,610)	(5,135,231)		
T13A26	Tax Interest Capitalized	46,354,734	0	0	46,354,734	1,272,901	9,467,185	10,740,086		
T13A28	Tax Depreciation/Amortization	(1,119,440,391)	0	(467,838)	(1,119,908,229)	(30,752,680)	(228,722,665)	(259,475,345)		
T13A30	Tax Gains/Losses	(167,904,084)	0	(18,544,052)	(186,448,136)	(5,119,866)	(38,078,937)	(43,198,803)		
T13A35	DOE Cash Grant	6,138,951	0	0	6,138,951	168,576	1,253,779	1,422,354		
T13A51	Nuclear Fuel Book Burned	184,163,880	0	0	184,163,880	5,057,140	37,612,415	42,669,556		
T13A69	Casualty Loss	0	0	(465,589)	(465,589)	(12,785)	(95,089)	(107,874)		
T13A75	Section 174 R&E Deduction	0	0	(67,604,525)	(67,604,525)	(1,856,420)	(13,807,102)	(15,663,522)		
T13A77	Repairs 481(a) (Pursuant to 3115)	0	0	0	0	-	-	-		
T13A98	Indirect Cost Capitalization	0	0	0	0	-	-	-		
T13B09	Book Depreciation Charged to Other Accounts	7,723,460	0	4,544,104	12,267,564	336,867	2,505,446	2,842,314		
T13B23	Non-Cash Overhead Basis Adj	(235,925)	0	9,667,603	9,431,678	258,994	1,926,264	2,185,258		
T13B26	Equipment Repairs - Annual Adj	(225,000,000)	0	11,720,741	(213,279,259)	(5,856,648)	(43,558,748)	(49,415,397)		
T13B31	Impairment of Plant Assets	3,383,031	0	0	3,383,031	92,898	690,928	783,826		
T13B32	T & D Repairs 481(a) (pursuant to 3115)	0	0	0	0	-	-	-		
T13B33	T & D Repairs - Annual Adj	(35,200,000)	0	(3,655,833)	(38,855,833)	(1,066,981)	(7,935,659)	(9,002,640)		
T13B36	Internal Labor Costs	0	0	(15,357)	(15,357)	(422)	(3,136)	(3,558)		
T13B38	Fuel Expense Capitalized for Books	0	0	0	0	-	-	-		
T13B39	Timber	0	0	0	0	-	-	-		
T13B42	Smart Grid Deferred Costs	0	0	0	0	-	-	-		
T13B43	Section 481(a) Casualty Losses	0	0	0	0	-	-	-		
T13B46	Capitalized Casualty Restoration	0	0	465,589	465,589	12,785	95,089	107,874		
T13B66	Interior, Rotable Fleet Spare Parts	0	(1,117,146)	(645,666)	(1,762,814)	(48,407)	(360,025)	(408,432)		
T22A16	Self Developed Software	(37,909,282)	0	0	(37,909,282)	(1,040,989)	(7,742,342)	(8,783,330)		
T22A36	Spent Fuel Canisters	17,268,845	0	(16,666,322)	602,523	16,545	123,055	139,601		
T22H11	Asset Retirement Costs - ARO	35,184,167	0	172,490	35,356,657	970,894	7,221,010	8,191,904		
T22H45	Asset Retirement Costs - Coal Ash	4,168,326	0	0	4,168,326	114,462	851,311	965,774		
T22H47	Coal Ash Capitalized for Tax	45,453,513	0	(60,299,692)	(14,846,179)	(408,225)	(3,036,170)	(3,444,396)		
Total 282100/1		(428,818,333)	(1,117,146)	(143,568,115)	(573,503,596)	(15,748,409)	(117,128,589)	(132,876,998)		

283100/1	ADIT: Other	0	0	419,801	419,801	11,528	85,737	97,265
T12A05	Passthrough Income from K-1	0	0	0	0	19,807	147,313	167,120
T12A06	Design Basis Amort	721,298	0	0	721,298	-	-	-
T15A81	Grid South Reg Asset	0	0	0	0	-	-	-
T15A96	Clean Coal Rider	(283,489)	0	0	(283,489)	(7,785)	(57,988)	(65,683)
T15B04	Reg Asset - Accr Pension FAS158 - FAS87Qual	119,370	0	0	119,370	3,278	24,379	27,657
T15B08	Reg Asset - Environmental	(29,172,679)	0	0	(29,172,679)	(801,082)	(5,958,035)	(6,759,117)
T15B12	Reg Asset Save-A-Wait Program	0	0	0	0	-	-	-
T15B18	Reg Asset Storm Damage Recovery	(3,782,175)	0	0	(3,782,175)	(103,859)	(772,446)	(876,305)
T15B21	Deferred Asset-SC DERP	(5,784,210)	0	0	(5,784,210)	(158,834)	(1,181,329)	(1,340,163)
T15B22	NC Storm Deferral - Matthew	(28,067,622)	0	0	(28,067,622)	(770,737)	(5,732,346)	(6,503,083)
T15B27	Reg Asset Rate Case Expense - SC	2,285,080	0	0	2,285,080	62,748	466,680	529,428
T15B29	Reg Asset - Rate Case Expense	(3,482,033)	0	0	(3,482,033)	(95,617)	(711,147)	(806,764)
T15B37	Reg Asset-Pension Post Retirement PAA-FAS87Qual and Oth	(30,694,933)	0	0	(30,694,933)	(842,883)	(6,268,931)	(7,111,813)
T15B38	Reg Asset-Pension Post Retirement PAA-FAS87NQ and Oth	2,644,465	0	0	2,644,465	72,617	540,088	612,705
T15B39	Reg Asset-Pension Post Retirement PAA-FAS 106 and Oth	(84,273,393)	0	0	(84,273,393)	(2,314,147)	(17,211,442)	(19,525,589)
T15B40	Reg Asset - Accr Pension FAS158 - FAS87NQ	93,401,185	0	0	93,401,185	2,564,797	19,075,642	21,640,438
T15B41	Reg Asset - Accr Pension FAS158 - FAS 106/112	0	0	0	0	-	-	-
T15B45	Reg Asset - Plant Related Retirements	18,593,069	0	0	18,593,069	510,566	3,797,326	4,307,891
T15B52	Storm Cost Deferral- Asset	(405,963,580)	0	0	(405,963,580)	(11,147,760)	(82,911,322)	(94,059,082)
T15B53	SC Pollution Control Deferral	2,513,675	0	0	2,513,675	69,026	513,376	582,402
T15B70	Reg Asset - Harris COLA - Wholesale	575,441	0	0	575,441	15,802	117,524	133,326
T15B71	Reg Asset - Harris COLA - Retail	9,505,643	0	0	9,505,643	261,025	1,941,370	2,202,395
T15B73	Reg Asset - Deferred Cost on AMI Meters	(466,544)	0	0	(466,544)	(12,811)	(95,281)	(108,095)
T15B74	Regulatory Fee - North Carolina	(41,045)	0	0	(41,045)	(1,127)	(8,383)	(9,510)
T15B75	SC Storm Deferral - Matthew	(72,259,865)	0	0	(72,259,865)	(1,984,266)	(14,757,878)	(16,742,134)
T15B76	SC Deferred Storm Cost Equity	9,271,690	0	0	9,271,690	254,601	1,893,589	2,148,189
T15B77	Non-AMI Meters Retired Early - NBV	(12,421,400)	0	0	(12,421,400)	(341,092)	(2,536,865)	(2,877,956)
T15B78	NC Customer Connect Deferral	(7,620,281)	0	0	(7,620,281)	(209,253)	(1,556,316)	(1,765,569)
T15B79	SC Energy Efficiency Reg Asset	12,599,681	0	0	12,599,681	345,987	2,573,276	2,919,263
T15B80	NC Energy Efficiency Reg Asset	16,784,995	0	0	16,784,995	460,916	3,428,057	3,888,973



DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

2018 State Def Rate 2.7460% **A**  
2018 Federal Def Rate 20.4233% **B**  
23.1693%

Item No. 13(c)

Calculation of Deferred Tax Expense

Code	Name	Pretax Current Year			Total Pretax	Tax Effect on Pretax for Current Year Activity		
		<b>C</b> Current Activity	<b>D</b> Deferred Only	<b>E</b> Return to Provision		<b>F=A+G</b> State	<b>F+B=H</b> Federal	<b>G+H</b> Total
T15B82	SC Customer Connect Deferral	(960,319)	0	0	(960,319)	(26,370)	(196,129)	(222,500)
T15B83	Reg Asset - Rate Case Expense - Amortization - NC	(1,747,700)	0	0	(1,747,700)	(47,992)	(356,939)	(404,931)
T15B84	Reg Asset - Harris COLA - SC Retail	(6,087,361)	0	0	(6,087,361)	(167,159)	(1,243,242)	(1,410,401)
T15B85	Reg Asset - Depreciation Deferral - SC	(5,296,826)	0	0	(5,296,826)	(145,451)	(1,081,789)	(1,227,240)
T17A01	Vacation Carryover - Reg Asset	751,766	0	0	751,766	20,643	153,536	174,179
T19A86	Deferred Fuel Asset - LT	(267,361,268)	0	0	(267,361,268)	(7,341,740)	(54,604,101)	(61,945,841)
T20A25	SC Grid Deferred Costs - Reg Asset	(1,263,372)	0	0	(1,263,372)	(34,692)	(258,023)	(292,715)
T20A26	SC Grid Deferred Costs - Reg Asset Contra Equity	374,233	0	0	374,233	10,276	76,431	86,707
T20A30	REPS Incremental Costs	215,369	0	0	215,369	5,914	43,986	49,900
T20A32	Return on Solar Assets	(630,918)	0	0	(630,918)	(17,325)	(128,855)	(146,180)
T20A35	Regulatory Asset - Severance	577,398	0	0	577,398	15,855	117,924	133,779
T20A38	Regulatory Asset - Deferred Plant Costs	328,188	0	0	328,188	9,012	67,027	76,039
T20A42	COR Settlement - South Carolina	532,576	0	0	532,576	14,625	108,770	123,394
T20A44	Reg Asset Nuclear Levelization on Plant Outages	(10,977,009)	0	0	(10,977,009)	(301,429)	(2,241,872)	(2,543,301)
T20A46	Reg Asset NCEMPA Purchase Deferrals	0	0	0	0	-	-	-
T20A47	COR Settlement - North Carolina	82,483,582	0	0	82,483,582	2,264,999	16,845,902	19,110,902
T20A48	Wayne & Sutton Deferrals	2,884,918	0	0	2,884,918	79,220	589,197	668,416
T20A49	Fukushima Cybersecurity Deferral - SC	(570,035)	0	0	(570,035)	(15,653)	(116,420)	(132,073)
T20A50	NCEMPA Deferrals - NC	2,280,268	0	0	2,280,268	62,616	465,707	528,323
T20A51	NCEMPA Deferrals - SC	204,036	0	0	204,036	5,603	41,671	47,274
T20A52	ABSA/T - Deferred Costs - SC	199,572	0	0	199,572	40,759	40,759	46,240
T20H70	ABSA/T - Deferred Costs - NC	(677,954)	0	0	(677,954)	(18,617)	(138,461)	(157,077)
T20H71	ABSA/T - Equity Reserve - NC	(111,301)	0	0	(111,301)	(3,056)	(22,731)	(25,788)
T20H72	ABSA/T - Equity Reserve - SC	272,808	0	0	272,808	7,491	55,717	63,208
T22A23	Retirement Plan Expense - Overfunded	47,784	0	0	47,784	1,312	9,759	11,071
T22B16	Miscellaneous NC Taxable Income Adj - DTL	37,090,469	0	(24,816,258)	12,274,211	337,050	2,506,804	2,843,854
T22H05	Non-Qualified Fund MTM Earnings	(13,787,413)	0	0	(13,787,413)	(378,602)	(2,815,850)	(3,194,453)
T22H07	Decommissioning Qualified Fund	17,586,397	0	10,036,298	27,622,695	758,519	5,641,477	6,399,996
T22H12	ARO Regulatory Asset	67,700,150	0	(16,892,220)	50,807,930	1,395,186	10,376,676	11,771,862
T22H46	ARO Regulatory Asset - Coal Ash	(70,442,545)	0	0	(70,442,545)	(1,934,352)	(14,386,720)	(16,321,072)
T22H48	ARO Regulatory Asset - Coal Ash	(31,475,737)	0	0	(31,475,737)	(864,324)	(6,428,397)	(7,292,721)
T22H49	Coal Ash Spend Reg Asset - Contra Equity	2,747,423	0	0	2,747,423	75,444	561,116	636,560
T22H50	Coal Ash Spend Reg Asset Deferral - Retail (SC & FL)	54,251,159	0	0	54,251,159	1,488,737	11,079,899	12,568,635
T22H51	Coal Ash Spend Reg Asset Approved - Retail (NC & MW)	(19,310,214)	0	0	(19,310,214)	(530,258)	(3,943,791)	(4,474,049)
T22H53	Coal Ash Spend Reg Asset Deferral - Retail (NC & MW)	319,582	0	0	319,582	8,776	65,269	74,045
T22H54	Coal Ash Spend Reg Asset Approved - Retail (NC & MW)	(145,411,874)	0	0	(145,411,874)	(3,993,010)	(29,697,961)	(33,690,971)
T22H55	Coal Ash Spend Reg Asset Approved - Retail (NC & MW)	(185,128,123)	0	0	(185,128,123)	(5,083,618)	(37,809,346)	(42,892,964)
Total 283100/1	Coal Ash Spend Deferred Debit - Retail (NC)	248,767,784	0	0	248,767,784	6,831,163	50,806,690	57,637,854
		(756,922,164)	0	(31,252,379)	(788,174,543)	(21,643,273)	(160,971,567)	(182,614,840)
Total		(1,062,898,827)	0	(177,883,838)	(1,240,782,665)	(34,071,892)	(253,409,262)	(287,481,154)

State	After Tax Codes	Name	Current Activity	Deferred Only	Return to Provision	Total After Tax State	Total After Tax Federal	Grand Total
AT_OTH_190_NC_R-D_CREDIT_ST	Other Noncurrent After-Tax DTA for R&D Credit State			(391,066)	841,625	(391,066)		(391,066)
AT_OTH_190_NC_STATE_NOL	Other NC State NOLs			6,029,688	3,453,887	6,871,313		6,871,313
AT_OTH_190_SC_EIZCredit	Deferral of SC EIZ Credit		960,460		121,796	4,414,347		4,414,347
AT_OTH_190_SC_STATE_NOL	Other SC State NOLs			290		121,796		121,796
F_Cash_Grant_254100-411101-State_Amort	50% Tax Basis Reduct to Plant-State Amort			(226,799)	(40,792)	(267,591)		(267,591)
F_RGAL_BS_253600-411	Excess NC Tax Amortization - Blended State - SC Retail			11,976,795	377,420	11,976,795		11,976,795
F_RGAL_BS_254037-411	Excess NC Tax Amortization - Blended State - SC Retail			27,563,930	(233,909)	27,330,021		27,330,021
F_RGAL_BS_254150-411	Excess NC Tax Amortization - Blended State - NC Retail			118,228	805,063	118,228		118,228
F_State_ITC_254100-411101-State_Amort	Free Basis on State Tax Credit to Plant-State Amort			(898,551)		(898,551)		(898,551)
TNC010	NC - Bonus Depreciation Adj.			616,059	377,420	993,479		993,479
TNC040	NC - Pollution Control			0	(20,874)	(20,874)		(20,874)
TNC050	NC Charitable Contribution Carryover			0	401,017	182,642		182,642
TSC010	SC - SC Bonus Depreciation Adj.			4,816	(4,816)	0		0
TSC070	SC Depreciation Adjustment					51,235,892	0	51,235,892
Federal								

/A  
2018 State Def Rate 2.7460% **A**  
2018 Federal Def Rate 20.4233% **B**  
23.1693%

Item No. 13(c)

Calculation of Deferred Tax Expense

				Pretax Current Year		Tax Effect on Pretax for Current Year Activity			
				C	D	E	F=A+G	F+B=H	G+H
				Current Activity	Deferred Only	Return to Provision	C+D+E = F	State	Total
Code	Name								
AT_OTH_190_NC_EPRU_Credit	Other Noncurrent After-tax DTA for EPRI Credit			773,016				773,016	773,016
AT_OTH_190_NC_Federal_NOL	190155- Other NC Federal NOLs			23,535,024		18,790,270	42,325,294	42,325,294	42,325,294
AT_OTH_190_NC_LIH_OTH_CREDIT	L H and Other Credits					43,634	43,634	43,634	43,634
AT_OTH_190_NC_R&D_CREDIT	Other Noncurrent After-Tax DTA for R&D Credit		377,571			4,936,995	5,314,566	5,314,566	5,314,566
AT_OTH_190_NC_R-D_CREDIT_ST	Other Noncurrent After-Tax DTA for R&D Credit State				82,124		82,124	82,124	82,124
AT_OTH_190_NC_ST	Other Non-Current AT ST DTA				41,226		41,226	41,226	41,226
AT_OTH_190_NC_STATE_NOL	Other NC State NOLs				(1,266,234)	(176,741)	(1,442,975)	(1,442,975)	(1,442,975)
AT_OTH_190_SC_EIZCredit	Deferral of SC EIZ Credit		(201,697)			(725,316)	(927,013)	(927,013)	(927,013)
AT_OTH_190_SC_STATE_NOL	Other SC State NOLs					(25,577)	(25,577)	(25,577)	(25,577)
F_ARAM_282100-411100	FERC - FIT Plant Adj. (Utl - 411)			1,407,987			1,407,987	1,407,987	1,407,987
F_Cash_Grant_254100-411100	50% Tax Basis Reduct to Plant - Fed Only_Amort				9,596		9,596	9,596	9,596
F_RGAL_254036-410-411	Federal Excess DIT Adjustment-254036				94,926	(11,427,468)	(11,332,542)	(11,332,542)	(11,332,542)
F_RGAL_254042-410-411	Federal Excess DIT Adjustment-254042				16,926	(1,654,384)	(1,637,458)	(1,637,458)	(1,637,458)
F_RGAL_254044-410-411	Federal Excess DIT Adjustment-254044				34,835	(23,741,681)	(23,706,846)	(23,706,846)	(23,706,846)
F_RGAL_FD_253600-411	Excess NC Tax Amortization - FBOS - SC Retail				47,628	8,566	56,194	56,194	56,194
F_RGAL_FD_254037-411	Excess NC Tax Amortization - FBOS - SC Retail				(4,191,878)		(4,191,878)	(4,191,878)	(4,191,878)
F_RGAL_FD_254150-411	Excess NC Tax Amortization - FBOS - NC Retail				(9,825,450)	49,121	(9,776,329)	(9,776,329)	(9,776,329)
F_State_ITC_254100-411100	Free Basis on State Tax Credit to Plant-Fed Only_Amort				879,334		879,334	879,334	879,334
TNC010	NC - Bonus Depreciation Adj.				188,696	(169,063)	19,633	19,633	19,633
TNC040	NC - Pollution Control				(129,372)	(79,258)	(208,630)	(208,630)	(208,630)
TNC050	NC Charitable Contribution Carryover					4,384	4,384	4,384	4,384
TNC060	Subtraction of Federal Tax Credits						0	0	0
TSC010	SC - SC Bonus Depreciation Adj.			45,859		(84,214)	(38,355)	(38,355)	(38,355)
TSC070	SC Depreciation Adjustment			(1,011)		1,011	0	0	0

Tax Effect on Pretax for Current Year Activity		
<b>F+A = G</b>	<b>F+B = H</b>	<b>G+H</b>
State	Federal	Total

773,016	42,325,294	42,325,294
43,634		43,634
5,314,566		5,314,566
82,124		82,124
41,226		41,226
(1,442,975)		(1,442,975)
(927,013)		(927,013)
(25,577)		(25,577)
1,407,987		1,407,987
9,596		9,596
(11,332,542)		(11,332,542)
(1,637,458)		(1,637,458)
(23,706,846)		(23,706,846)
56,194		56,194
(4,191,878)		(4,191,878)
(9,776,329)		(9,776,329)
879,334		879,334
19,633		19,633
(208,630)		(208,630)
4,384		4,384
0		0
(38,355)		(38,355)
0		0
(2,330,615)		(2,330,615)

<b>17,164,000</b>	<b>(255,739,877)</b>	<b>(238,575,877)</b>
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(628,276)	131,937	(496,339)
(349,930)	73,486	(276,444)
	(340,389)	(340,389)
391,066	(136,873)	254,193
0	(4)	(4)
(587,140)	(271,845)	(858,985)
<b>16,576,860</b>	<b>(256,011,721)</b>	<b>(239,434,861)</b>
(16,546,648)	237,399,625	220,852,977
(30,212)	18,612,096	18,581,884
(16,576,860)	256,011,721	239,434,861
0	0	0

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Reconciliation of Beginning and Ending Year Accumulated Deferred Income Tax

	190001/2	Code	Name	Beginning Balance	410/411	410/411 Deferrals -	410/411 Total	Adjustments	Total Year Change	Ending Balance
	AT. OTH. 190. NC		ADIT: Prepaid Taxes	1	0	0	0	0	0	1
	OTH NC AT DTA for A/R Fuel Credit-Fed			127,300	0	0	0	0	0	127,300
	Other Noncurrent After-tax DTA for EPR1 Credit			4,386,601	773,016	0	773,016	0	2,671,578	5,158,617
	Other Noncurrent After-tax DTA for Hydro Credit			558,728	0	0	0	2,112,850	0	2,112,850
	LH and Other Credits			1,256,284	0	43,634	43,634	0	5,314,566	43,634
	Other Noncurrent After-Tax DTA for R&D Credit			21,142,109	377,571	4,936,995	5,314,566	0	26,456,675	1,299,918
	Other Noncurrent After-tax DTA for R&D Credit State			312,850	(308,942)	0	(308,942)	0	3,908	(308,942)
	Other Noncurrent After-tax DTA for Solar TTC			79,879,977	0	0	0	73,891	0	79,953,868
	Other Non-Current AT ST DTA			(41,226)	41,226	0	0	0	41,226	0
	Deferral of SC EIZ Credit			2,101,409	758,763	2,728,571	3,487,334	0	5,588,743	5,588,743
	50% Tax Basis Reduct to Reg Lab Grossup - Fed Only			94,191	0	0	0	0	49,191	140,430
	50% Tax Basis Reduct to Reg Lab Grossup - Fed Only, Amort			(7,802)	0	0	0	(2,628)	0	(5,198)
	Free Basis on State Tax Credit to Reg Lab Grossup-Fed Only			5,739,709	0	0	0	0	5,739,709	5,739,709
	Free Basis on State Tax Credit to Reg Lab Grossup-Fed Amort			(444,709)	0	0	0	(265,175)	0	(709,879)
	FERC - FIT Adj Offset to Reg Lab Grossup-Fed Amort			15,758,500	0	0	0	(810,460)	0	14,948,040
	Other Noncurrent After-tax DTA for Hydro TTC Grossup			148,523	0	0	0	561,644	0	710,167
	50% Tax Basis Reduct to Reg Lab Grossup-State			21,233,917	0	0	0	19,642	0	21,253,559
	50% Tax Basis Reduct to Reg Lab Grossup-State Amort			12,664	0	0	0	0	0	12,664
	Free Basis on State Tax Credit to Reg Lab Grossup-State			771,713	0	0	0	(353)	0	771,713
	Free Basis on ST Tax Credit to Reg Lab Grossup-State Amort			(59,791)	0	0	0	(35,653)	0	(95,444)
	FERC - SIT Adj Offset to Reg Lab			19,969	0	0	0	(108,988)	0	2,009,784
	Other Noncurrent After-tax DTA for Hydro TTC Grossup-State			2,854,932	0	0	0	75,514	0	95,483,736
	FERC-SIT Adj Offset to Reg Lab-ARAM Gross-up			515,332	0	0	0	2,641	0	2,857,573,736
	FIT Gross-up on Excess Federal Tax			69,288	0	0	0	(374,275)	0	141,057,736
	FIT Gross-up on Excess Federal Tax			365,671,615	0	0	0	(365,671,615)	0	18,966,736
	SIT Gross-up on Excess Federal Tax			0	0	0	0	375,421,524	0	375,421,524
	FERC - FIT Adj for Rate Change Offset to Del Cr (253)			1,030,066	0	0	0	(49,166,040)	0	(49,166,040)
	FERC - FIT Adj for Rate Change Offset to Reg Lab (254)			29,639,416	0	0	0	(4,491,834)	0	25,147,582,736
	FERC - SIT Adj for Rate Change Offset to Reg Lab (254)			138,494	0	0	0	11,735	0	150,229,736
	FERC - SIT Adj for Rate Change Offset to Del Cr (254)			278,235	0	0	0	(32,215)	0	(44,280,736)
	FERC - SIT Adj for Rate Change Offset to Del Cr (254)			3,865,063	0	0	0	(710,553)	0	3,274,510,736
	Bad Debts - Tax over Book			1,486,358	208,437	0	208,437	0	1,704,785	63,033,736
	Supplies Materials Write-Off Asset			31,729	31,304	0	31,304	0	1,916,019	1,916,019,736
	Sec 48 (e) Roll-Average Method of Accounting for Inventories			1,618,275	297,744	0	297,744	0	0	1,528,255,736
	ASSET RETIREMENT OBLIGATION			1,479,275	48,980	(2,445,502)	48,980	26,411,397	0	436,106,139,736
	Asset Retirement Obligation - Coal Ash			409,774,192	28,597,469	0	28,411,397	6,633,705	0	487,295,114,736
	Mark to Market - LT			(633,053)	(633,053)	0	(633,053)	1,132,200	0	(1,132,200)
	Mark to Market Reg - LT			(1,854,933)	155,117	0	155,117	582,885	0	582,885
	Cash Flow Hedge / Reg Asset/Liab			(1,287,323)	582,885	0	582,885	391,089	0	13,145,802,736
	Returns on State Excess Deferred Income Taxes			0	582,885	0	582,885	9,639,694	0	9,647,386,736
	Reg Lab - Ratable Spare Parts			455,047	(63,959)	0	(63,959)	172,300	0	88,476,736
	Accrued Vacation			12,900,410	245,392	0	245,392	192,443	0	195,902,736
	SEVERANCE RESERVE - LT			332,157	9,307,527	0	9,307,527	2,691,838	0	18,255,810,736
	Unbilled Fuel Revenue - NC			9,475,086	172,300	0	172,300	535,511	0	810,927,736
	MGP Sites			78,369	(9,893)	0	(9,893)	68,476	0	88,946,736
	Deferred Revenue			3,469	192,443	0	192,443	1,204,896	0	1,204,896,736
	Deferred Compensation			3,077,030	(385,192)	0	(385,192)	7,218	0	7,218,736
	Miscellaneous NC Taxable Income Adj - DTA			287,948	17,967,962	0	17,967,962	1,204,896	0	1,204,896,736
	Workers Comp Reserve			772,646	(237,135)	0	(237,135)	810,927	0	810,927,736
	Job Retention Rider			0	88,946	0	88,946	1,702,080	0	1,702,080,736
	Deferred Fuel Liability - LT			1,842,704	(140,624)	0	(140,624)	3,015,554	0	3,015,554,736
	UNBILLED REVENUE - FUEL			4,704,821	(878,340)	0	(878,340)	3,466,096	0	26,472,271,736
	Lawsuit Contingency			0	3,466,096	(4,268,834)	0	825,994	0	11,598,728,736
	Rate Returns			25,646,277	5,203,592	0	5,203,592	7,218	0	7,218,736
	Renewable Energy Liability - NC Retail			8,569,850	(95,489)	0	(95,489)	1,204,896	0	1,204,896,736
	End of Life Nuclear Fuel Cost Reserve			0	0	(6,058)	0	0	0	0,736
	Renewable Energy Liability - Wholesale			0	4,854	0	4,854	1,204,896	0	1,204,896,736
	Reg Liability - Rate Case Expense - Amortization - NC			(527,125)	(241,583)	0	(241,583)	(228,567)	0	(622,271)
	Emission Allowance Expense			241,583	0	0	0	228,567	0	228,567,736
	Gain on Emission Allowances			0	(1,735,311)	0	(1,735,311)	0	0	(1,735,311)
	Charitable Contribution Carryover			3,417,478	0	228,567	228,567	0	0	1,682,167,736
	Retirement Plan Expense - Underfunded			4,556	(4,556)	0	0	(4,556)	0	(4,556)
	Non-qualified Pension - Accrual			7,936,219	(776,869)	0	(776,869)	0	0	7,159,350,736
	Retirement Plan Funding - Underfunded			(5,750,555)	0	5,750,555	5,750,555	0	0	5,750,555
	Environmental Reserve			671,623	206,109	0	206,109	0	0	206,109
	COUL Death Benefits			182,111	182,111	0	182,111	0	0	182,111
	ANNUAL INCENTIVE PLAN COMP			14,320,951	(499,183)	0	(499,183)	0	0	13,821,768,736
	PAYABLE 401 (K) MATCH			796,211	(19,965)	0	(19,965)	0	0	776,246,736
	Tax Inv Accrual - Non-cur Liab			304,270	17,861	0	17,861	0	0	322,131,736
	Deferred Book Gain/Loss			148,616	(117,100)	0	(117,100)	0	0	31,516,736
	DOE Settlement			393,736	(383,736)	0	(383,736)	0	0	0,736
	OTHER Expense Accrual			42,784,514	(4,282,104)	0	(4,282,104)	0	0	38,502,410,736
	FAS 112 Medical Expenses Accrual			4,222,930	(37,859)	0	(37,859)	0	0	4,185,071,736

Item No. 13(d)

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 13(d)

Reconciliation of Beginning and Ending Year Accumulated Deferred Income Tax

	Code	Name	Beginning Balance	410/411	410/411 Deferrals -	410/411 Total	Adjustments	Total Year Change	Ending Balance
T22H09		Decommissioning Liability	82,207,437	(39,280,717)	0	(39,280,717)	0	(39,280,717)	42,926,720
TFLO60		FL Charitable Contribution Carryover	0	0	0	0	0	0	(16,491)
TNC060		NC Charitable Contribution Carryover	0	0	(16,491)	(16,491)	0	(16,491)	
TSC060		SC Charitable Contribution Carryover	0	0	0	0	0	0	
Total 190001/2			1,728,937,810	30,362,076	6,982,953	37,345,029	4,718,625	42,063,654	1,771,001,464
190051/52		Accoun Deferred - OCI							
T22114		OCI - Fwd Start Swap	69,910	0	0	0	(9,511)	(9,511)	60,399
Total 190051/52			69,910	0	0	0	(9,511)	(9,511)	
190155		Deferred Tax - NOL							
AT_OTTH_190_NC_Federal NOL		190155_Other NC Federal NOLs	35,444,480	23,535,024	18,790,270	42,325,294	0	42,325,294	77,769,774
Total 190155			35,444,480	23,535,024	18,790,270	42,325,294	0	42,325,294	77,769,774
190156		Deferred Tax, State NOLs							
AT_OTTH_190_FL_STATE_NOL		Other FL State NOLs	1,090,044	4,763,453	0	5,428,337	0	5,428,337	14,938,381
AT_OTTH_190_NC_STATE_NOL		Other NC State NOLs	9,510,044	0	96,219	96,219	0	96,219	96,219
AT_OTTH_190_SC_STATE_NOL		Other SC State NOLs	0	0	0	0	0	0	0
Total 190156			10,600,088	4,763,453	761,103	5,524,556	0	5,524,556	16,124,644
282100/1		ADIT: PP&E							
AT_OTTH_282_NC_Cash Grant		50% Tax Basis Reduct on Plant - Fed Only	343,952	0	0	0	0	0	343,952
AT_OTTH_282_NC_Hydro		OTH NC After-tax DTA for Hydro Basis Reduction	(58,666)	0	0	0	(221,849)	(221,849)	(280,515)
AT_OTTH_282_NC_Solar		Other Noncurrent After-tax DTA for Solar Basis Reduction	(8,387,397)	0	0	0	(7,759)	(7,759)	(8,395,156)
AT_OTTH_282_NC_ST_Cash grant		50% Tax Basis Reduct on Plant/State	10,384	0	0	0	0	0	10,384
AT_OTTH_282_NC_ST_State TFC		Free Basis on State Tax Credit on Plant/State	2,559,043	0	0	0	0	0	2,559,043
AT_OTTH_282_NC_State TFC		Free Basis on State Tax Credit on Plant/Fed Only	19,033,195	0	0	0	0	0	19,033,195
F_ARAW_282100-411100		FERC - FIT Plant Adj (U/I - 411)	5,631,617	0	0	0	0	0	5,631,617
F_ARAW_EXCESSADIT_282100-254100		FERC-FIT Adj Offset to Reg Lab-ARAW Excess ADIT	(5,076,428)	1,407,987	0	1,407,987	0	1,407,987	7,039,669
F_RGAL_ARAW_EXCESSADIT_282101-254100		FERC-SIT Adj Offset to Reg Lab-ARAW Excess ADIT	(555,158)	0	0	0	(1,666,870)	(1,666,870)	(2,222,028)
F_RGAL_AFUDC_CWIP_EXCESSADIT_282101-182320		FERC-FIT Offset to Reg Lab (182)-Equity-AFUDC-CWIP Gross-up	(34,617,043)	0	0	0	(11,603,021)	(11,603,021)	(46,220,064)
F_RGAL_AFUDC_CWIP_EXCESSADIT_282101-182320		FERC-SIT Offset to Reg Lab (182)-Equity-AFUDC-CWIP Gross-up	(4,654,314)	0	0	0	(1,560,043)	(1,560,043)	(6,214,357)
F_RGAL_AFUDC_EXCESSADIT_282101-182320		FERC-FIT Offset to Reg Lab (182) Equity-AFUDC-Excess-ADIT	(68,353,614)	0	0	0	4,141,191	4,141,191	(64,212,423)
F_RGAL_AFUDC_EXCESSADIT_282101-182320		FERC-SIT Offset to Reg Lab (182) Equity-AFUDC-Excess-ADIT	(9,190,546)	0	0	0	556,789	556,789	(8,637,757)
F_RGAL_HDRIU_ITC_BASIS_RED_282100-182320		FERC-FIT Offset to Reg Lab (182) Hydro Basis Reduction	5,287	0	0	0	7,826	7,826	13,1
F_RGAL_SOLAR_ITC_BASIS_RED_282100-182320		FERC-FIT Offset to Reg Lab (182) Solar Basis Reduction	652,465	0	0	0	387,856	387,856	976,402,524
TI3A04		AFUDC Interest	(29,400,120)	(5,954,431)	0	(35,354,551)	0	(35,354,551)	(6,022,752)
TI3A08		Book Depreciation/Amortization	753,288,153	181,134,371	(883,813)	976,402,524	0	976,402,524	(16,022,752)
TI3A10		Adjustment to Book Depreciation	(8,919,298)	(4,040,361)	(8,919,298)	(13,878,857)	0	(13,878,857)	(28,837,318)
TI3A12		Book Gain/Loss on Property	(2,111,406)	(2,111,406)	(2,111,406)	(4,222,812)	0	(4,222,812)	28,837,318
TI3A14		Contributions in Aid (CMCS)	(6,076,047)	12,455,340	(3,1516)	12,455,340	0	12,455,340	(20,596,447)
TI3A16		Cost of Removal	(20,596,447)	12,455,340	0	(8,141,107)	0	(8,141,107)	(20,596,447)
TI3A18		Capitalized Hardware/Software	(659,036)	505,043	0	154,079	0	154,079	1,927,47
TI3A19		Alter Tax ADI (M&E TFC Temporary	(14,043,340)	(5,134,566)	(883)	(19,177,906)	0	(19,177,906)	(19,181,144)
TI3A20		Tax Interest Capitalized	10,724,936	(109,393)	0	10,724,086	0	10,724,086	(4,053,285)
TI3A28		DOE Cash Grant	(33,611,670)	(38,902,288)	(4,286,534)	(72,513,958)	0	(72,513,958)	(3,149,621,232)
TI3A30		Nuclear Fuel Book Burned	9,017,188	4,222,354	0	13,240,542	0	13,240,542	(76,810,474)
TI3A31		Casualty Loss	173,107,357	42,669,556	0	215,776,913	0	215,776,913	9,439,59
TI3A32		Section 172A R&E Deduction	(3,797,285)	0	(107,874)	(3,905,159)	0	(3,905,159)	(3,905,159)
TI3A33		Repairs 481(a) (Pursuant to 3115)	(42,414,892)	0	(15,663,522)	(58,078,414)	0	(58,078,414)	(58,078,414)
TI3A34		Indirect Cost Capitalization	34,383,023	0	0	34,383,023	0	34,383,023	0
TI3A35		Non-Cash Overhead Basis Adj	1,301,163	0	0	1,301,163	0	1,301,163	9,000,20
TI3A36		Equipment Repairs - Annual Adj	7,369,878	(54,662)	2,238,930	2,185,258	0	2,185,258	9,555,11
TI3A37		Impairment of Plant Assets	(190,229,141)	(52,131,015)	2,715,618	(239,543,538)	0	(239,543,538)	(239,543,538)
TI3A38		T & D Repairs 481(a) (Pursuant to 3115)	12,339,904	783,826	0	13,123,730	0	13,123,730	13,123,730
TI3A39		T & D Repairs - Annual Adj.	(43,248,341)	0	(847,032)	(44,095,373)	0	(44,095,373)	(44,095,373)
TI3A38		Internal Labor Costs	(102,381)	0	(3,558)	(105,939)	0	(105,939)	(52,250,989)
TI3A38		Fuel Expense Capitalized for Books	636,167	0	(3,558)	632,609	0	632,609	(52,250,989)
TI3A39		Timber	8,755	0	0	8,755	0	8,755	636,167
TI3A42		Smart Grid Deferred Costs	(2,054,693)	0	0	(2,054,693)	0	(2,054,693)	0
TI3A43		Section 481(e) Casualty Losses	12,553,502	0	0	12,553,502	0	12,553,502	0
TI3A46		Capitalized Casualty Restoration	3,797,285	0	107,874	3,905,159	0	3,905,159	3,905,159
TI3A46		Intero, Ratable Fleet Spare Parts	(940,542)	(258,836)	(149,597)	(1,349,975)	0	(1,349,975)	(940,542)
TI3A46		Self Developed Software	(26,324,015)	(8,783,330)	(149,597)	(35,156,942)	0	(35,156,942)	(35,156,942)
T22A36		Spent Fuel Containers	6,030,098	8,151,939	39,865	14,222,902	0	14,222,902	14,222,902
T22H11		Asset Retirement Costs - ARO	(148,043,592)	966,774	0	(147,076,818)	0	(147,076,818)	(139,851,699)
T22H45		NC - Bonus Depreciation for Tax	(111,819,723)	10,526,645	(13,971,041)	(114,264,119)	0	(114,264,119)	(110,853,944)
T22H47		NC - Pollution Control	22,009,937	486,687	298,162	22,794,786	0	22,794,786	22,794,786
TNC010		Subtraction of Federal Tax Credits	(4,051,637)	(32,223)	0	(4,083,860)	0	(4,083,860)	(4,083,860)
TNC060		SC - SC Bonus Depreciation Adj.	16,370,292	(172,516)	316,803	16,514,579	0	16,514,579	16,514,579
TSC010		Subtraction of Federal Tax Credits	(1,390)	0	(3,805)	(5,195)	0	(5,195)	(5,195)
TSC060		SC Depreciation Adjustment	(194,361)	3,805	(3,805)	(194,361)	0	(194,361)	(194,361)
TSC080		SC Sec 481(e) Casualty Losses	138,818	0	0	138,818	0	138,818	138,818
Total 282100/1			(2,555,356,408)	(98,597,104)	(32,016,625)	(2,885,677,134)	0	(2,885,677,134)	(2,885,677,134)
283100/1		ADIT: Other							
F_RGAL_AFUDC_CWIP_GROSSUP_283100-182320		FERC-FIT Adj Offset to Reg Lab-Equity-AFUDC-CWIP-Gross-up	(10,439,221)	0	0	(10,439,221)	0	(10,439,221)	(13,938,286)

DUKE ENERGY PROGRESS, LLC

Docket No. E-2, Sub 1219

NCUC Form E-1 Data Request

For the test year ended December 31, 2018

Item No. 13(d)

Reconciliation of Beginning and Ending Year Accumulated Deferred Income Tax

	Code	Name	Beginning Balance	4/10/411	4/10/411 Deferrals -	4/10/411 Total	Adjustments	Total Year Change	Ending Balance
F, RGAL, EQUITY, AFUDC, CWP, GROSSUP, 283101-182320		FERRC-ST Ad Offset to R Reg Lab-Equity-AFUDC-CWP-Gross-up	(1,403,569)	0	0	0	(470,451)	(470,451)	(1,874,020)
F, RGAL, EQUITY, AFUDC, GROSSUP, 283101-182320		FERRC-ST Ad Offset to R Reg Lab Equity-AFUDC-Gross-up	(20,613,529)	0	0	0	1,248,830	1,248,830	(19,364,766)
F, RGAL, EQUITY, AFUDC, GROSSUP, 283101-182320		OTH NC After-tax DTA for R Reg Lab Equity-AFUDC-Gross-up	(2,771,529)	0	0	0	167,307	167,307	(2,603,622)
F, RGAL, GROSSUP, 283101-182320-Solar		OTH NC After-tax DTA for Solar Basis Reduction Grossup	(2,229,561)	0	0	0	(2,062)	(2,062)	(2,231,623)
F, RGAL, GROSSUP, 283101-182320-Solar		OTH NC After-tax DTA for Solar Basis Reduction Grossup	(229,768)	0	0	0	(2,777)	(2,777)	(300,045)
F, RGAL, GROSSUP, 283101-182320-Hydro		OTH NC AT DTA for Hydro Basis Reduction Grossup	(15,995)	0	0	0	(58,973)	(58,973)	(74,568)
F, RGAL, GROSSUP, 283101-182320-Hydro		After-tax DTA for TCC Basis Reduction Grossup	(1,097)	0	0	0	(7,929)	(7,929)	(9,026)
F, RGAL, HYDRO, TCC, BASIS, RED, GROSSUP, 283101-182320		FERRC-ST Ad Offset to R Reg Lab Hydro TCC Basis Red Gross-up	1,405	0	0	0	2,980	2,980	3,485
F, RGAL, HYDRO, TCC, BASIS, RED, GROSSUP, 283101-182320		FERRC-ST Ad Offset to R Reg Lab Hydro TCC Basis Red Gross-up	189	0	0	0	280	280	469
F, RGAL, SOLAR, TCC, BASIS, RED, GROSSUP, 283101-182320		FERRC-ST Ad Offset to R Reg Lab Solar TCC Basis Red Gross-up	173,440	0	0	0	103,101	103,101	276,541
F, RGAL, SOLAR, TCC, BASIS, RED, GROSSUP, 283101-182320		FERRC-ST Ad Offset to R Reg Lab Solar TCC Basis Red Gross-up	23,319	0	0	0	13,862	13,862	37,181
T12A05		Design Basis Amort	(554,724)	167,120	0	0	97,285	97,285	(457,459)
T15A81		Clean Coal Rider	(2,874,367)	167,120	0	0	167,120	167,120	(2,707,247)
T15A81		Grid South Reg Asset	(851,744)	0	0	0	0	0	(851,744)
T15B04		Reg Asset - Acrr Pension FAS158 - FAS87Qual	(27,732)	(65,883)	0	0	(65,883)	(65,883)	(93,615)
T15B08		Reg Asset - Environmental	(61,280,209)	(6,759,117)	0	0	61,280,209	61,280,209	0
T15B12		Reg Asset - Storm Damage Recovery	876,305	(876,305)	0	0	0	0	0
T15B21		Deferred Asset-SC DERP	(1,631,255)	(1,340,163)	0	0	0	0	(2,971,418)
T15B22		NC Storm Deferral - Matthew	0	(6,503,083)	0	0	0	0	(6,503,083)
T15B27		Reg Asset Rate Case Expense - SC	(1,015,172)	529,438	0	0	529,438	529,438	(485,734)
T15B28		Reg Asset - Rate Case Expense	(57,499)	(806,764)	0	0	0	0	(864,263)
T15B29		Reg Asset-Pension Post Retirement PAA-FAS87Qual and Oth	(79,066,788)	(7,111,813)	0	0	(2)	(2)	(86,178,603)
T15B37		Reg Asset-Pension Post Retirement PAA-FAS87Qual and Oth	(1,888,504)	612,705	0	0	612,705	612,705	(1,265,799)
T15B38		Reg Asset-Pension Post Retirement PAA-FAS106 and Oth	(18,527,132)	(19,525,589)	0	0	(19,525,589)	(19,525,589)	(38,052,721)
T15B40		Reg Asset - Acrr Pension FAS158 - FAS87Qual	(13,986)	21,640,438	0	0	21,626,452	21,626,452	0
T15B41		Reg Asset - Acrr Pension FAS158 - FAS106/112	(1,993)	0	0	0	0	0	0
T15B45		Reg Asset - Plant Related Retirements	(28,536,133)	4,307,891	0	0	4,307,891	4,307,891	(21,624,458)
T15B52		Storm Cost Deferral - Asset	(17,831,846)	(94,059,082)	0	0	(94,059,082)	(94,059,082)	(111,880,928)
T15B53		SC Pollution Control Deferral	(7,571,225)	582,402	0	0	582,402	582,402	(6,988,823)
T15B70		Reg Asset - Harris COLA - Wholesale	(1,511,026)	133,326	0	0	133,326	133,326	(1,377,700)
T15B73		Reg Asset - Harris COLA - Retail	(9,413,704)	2,202,395	0	0	2,202,395	2,202,395	(7,211,309)
T15B74		Reg Asset - Deferred Cost on AMI Meters	(416,008)	(108,095)	0	0	(108,095)	(108,095)	(425,518)
T15B75		Regulatory Fee - North Carolina	(9,510)	(9,510)	0	0	0	0	(19,026)
T15B76		SC Storm Deferral - Matthew	(16,742,134)	(2,148,189)	0	0	0	0	(18,742,134)
T15B77		SC Deferred Storm Cost Equity	0	2,148,189	0	0	2,148,189	2,148,189	(2,148,189)
T15B78		Non-AMI Meters Relined Early - NBV	0	(2,877,966)	0	0	(2,877,966)	(2,877,966)	(2,877,966)
T15B79		NC Customer Connect Deferral	0	(1,765,569)	0	0	(1,765,569)	(1,765,569)	(3,531,600)
T15B80		SC Energy Efficiency Reg Asset	0	2,919,263	0	0	2,919,263	2,919,263	(60,920,173)
T15B82		SC Energy Efficiency Reg Asset	0	3,886,973	0	0	3,886,973	3,886,973	(60,920,173)
T15B83		SC Customer Connect Deferral	0	(222,500)	0	0	(222,500)	(222,500)	(444,330)
T15B84		Reg Asset - Rate Case Expense - Amortization - NC	0	(404,330)	0	0	(404,330)	(404,330)	(404,330)
T15B85		Reg Asset - Harris COLA - SC Retail	0	(1,410,401)	0	0	(1,410,401)	(1,410,401)	(1,410,401)
T15B86		Reg Asset - Depreciation Deferral - SC	0	(1,227,240)	0	0	(1,227,240)	(1,227,240)	(9,556,548)
T17A00		Variation Component - Reg Asset	(9,774,179)	174,179	0	0	174,179	174,179	(9,599,999)
T19A86		Deferred Fuel Asset - L1	(61,945,841)	(61,945,841)	0	0	(61,945,841)	(61,945,841)	(91,819,419)
T20A25		SC Grid Deferred Costs - Reg Asset	(29,873,578)	(29,873,578)	0	0	(29,873,578)	(29,873,578)	(91,819,419)
T20A26		SC Grid Deferred Costs - Reg Asset	0	(86,707)	0	0	86,707	86,707	86,707
T20A30		REPS Incremental Costs	0	49,899	0	0	49,899	49,899	674,400
T20A32		Return on Solar Assets	624,501	(146,180)	0	0	(146,180)	(146,180)	1,104,845
T20A35		Regulatory Asset - Severance	1,251,025	(4,821,445)	0	0	4,420,107	4,420,107	0
T20A38		Regulatory Asset - Deferred Plant Costs	(4,821,445)	133,779	0	0	32,458,407	32,458,407	0
T20A42		COR Settlement - South Carolina	(32,534,446)	76,039	0	0	123,394	123,394	(4,162,934)
T20A44		Reg Asset Nuclear Levelization on Plant Outages	0	123,394	0	0	0	0	0
T20A46		Reg Asset NCEMPPA Purchase Deferrals	(6,187,423)	(2,543,301)	0	0	(4,286,328)	(4,286,328)	(4,162,934)
T20A47		COR Settlement - North Carolina	(12,270,657)	0	0	0	(2,543,301)	(2,543,301)	(10,730,224)
T20A48		Wayne & Sutton Deferrals	0	19,110,901	0	0	12,270,657	12,270,657	0
T20A49		Fukushima Cybersecurity Deferral - SC	0	668,416	0	0	(23,611,370)	(23,611,370)	(4,500,469)
T20A49		NCEMPPA Deferrals - NC	0	(132,073)	0	0	(7,751,285)	(7,751,285)	(7,082,869)
T20A50		NCEMPPA Deferrals - NC	0	528,323	0	0	(1,095,751)	(1,095,751)	(1,227,824)
T20A51		NCEMPPA SC Equity Reserve	0	47,274	0	0	528,323	528,323	(10,285,479)
T20A52		ABSAAT - Deferred Costs - NC	0	46,240	0	0	47,274	47,274	(2,319,677)
T20H10		ABSAAT - Equity Reserve - NC	0	(157,077)	0	0	46,240	46,240	956,337
T20H12		ABSAAT - Equity Reserve - NC	0	(25,788)	0	0	(157,077)	(157,077)	(157,077)
T20H17		ABSAAT - Equity Reserve - SC	0	63,208	0	0	(25,788)	(25,788)	(25,788)
T20H23		Retirement Plan Expense - Overfunded	0	11,071	0	0	63,208	63,208	63,208
T22A16		Miscellaneous NC Taxable Income Adj - DTL	(35,886,446)	8,593,617	(5,749,753)	0	0	0	11,071
T22A23		Non-Qualified Fund MTM Earnings	1,617,887	(3,194,453)	0	0	2,843,854	2,843,854	(33,062,591)
T22H05		Decommissioning Qualified Fund	(294,488,406)	4,074,662	2,325,344	0	0	0	(282,716,544)
T22H07		ARO Regulatory Asset	(16,321,073)	15,686,678	(3,913,816)	0	0	0	(32,899,032)
T22H12		Coal Ash Spend Reg Asset - Coal Ash	48,220,105	(7,321,073)	0	0	81,383,585	81,383,585	(376,215,586)
T22H46		Coal Ash Spend Reg Asset - Contra Equity	(457,599,171)	(7,292,720)	0	0	2,270,385	2,270,385	(2,270,385)
T22H48		Coal Ash Spend - Wholesale	0	12,666,635	0	0	1,633,825	1,633,825	(13,123,378)
T22H49		Coal Ash Spend Reg Asset Deferral - Retail (SC & FL)	0	(4,474,049)	0	0	(25,693,013)	(25,693,013)	(9,829,710)
T22H50		Coal Ash Spend Reg Asset Approved - Retail (SC & FL)	0	74,045	0	0	(9,829,710)	(9,829,710)	(9,829,710)
T22H51		Coal Ash Spend Reg Asset Deferral - Retail (NC & MW)	0	(33,690,971)	0	0	(5,355,661)	(5,355,661)	(1,549,557)
T22H53		Coal Ash Spend Reg Asset Deferral - Retail (NC & MW)	0	(42,892,964)	0	0	(33,690,971)	(33,690,971)	(42,892,964)
T22H54		Coal Ash Spend Reg Asset Approved - Retail (NC & MW)	0	(42,892,964)	0	0	(33,690,971)	(33,690,971)	(42,892,964)
T22H55		Coal Ash Spend Deferral - Retail (NC)	0	0	0	0	(42,892,964)	(42,892,964)	0
Total 283100/1			(1,102,510,102)	57,637,854	(7,339,235)	(182,614,841)	(57,637,854)	(185,117,516)	(1,287,627,618)
Total Per One Source Tax Provision System			(1,892,814,222)	(215,310,422)	(12,820,534)	(228,033,691)	(7,500,538)	(235,534,249)	(2,118,348,471)

DUKE ENERGY PROGRESS, LLC

Docket No. E-2, Sub 1219

NCUC Form E-1 Data Request

For the test year ended December 31, 2018

Item No. 13(d)

## Reconciliation of Beginning and Ending Year Accumulated Deferred Income Tax

Code	Name	A Beginning Balance	B 410/411	B 410/411 Deferrals -	SUM B 410/411 Total	C Adjustments	B + C - D Total Year Change	A + D Ending Balance
<b>Other Reconciling Items:</b>								
	SEAS 159 Rate Differential	18				(22)	(22)	(4)
	Late Entry for SELC - Helping Home Fund	340,389			(340,389)		(340,389)	-
	Rounding	2			(4)	2	(2)	(4)
	<b>Total Other Reconciling Items</b>	340,409			(340,393)	(20)	(340,413)	
	<b>Subtotal 190-282-283 Reconciliation</b>	(1,882,473.813)						(2,118,348.475)
<b>Adjustments Impacting 410/411 &amp; Other Balance Sheet Accounts:</b>								
<b>Adjustments to OTP 410/411 Balances Above:</b>								
	Offset to Federal Excess Deferred Income Tax Reg Liabilities	-			(17,840,717)	17,840,717	-	-
	Offset to State Excess Deferred Income Tax Reg Liabilities - Current Year Deferral	-			(2,173,817)	2,173,817	-	-
<b>Amounts Not Included in OTP Report Above:</b>								
	PeopleSoft Journal Entries	-			307,308	(307,308)	-	-
	Offset to Regulatory Liability - Taxes	-			(1,407,987)	1,407,987	-	-
	<b>Total Adjustments Impacting 410/411 &amp; Other Balance Sheet Accounts</b>	-			(21,115,213)	21,115,213	-	-
	<b>Grand Totals - ADIT (Including 410/411 Offset to ADIT Accounts Only)</b>	(1,882,473.813)			(249,489,297)	13,614,635	(235,874,662)	(2,118,348.475)
<b>410/411 Offset to Accounts Other than ADIT (Not Reported on ADIT FERC Pages):</b>								
	State Excess Deferred Income Tax Amortization		254 to 410-411		(26,528,246)			
	ARAM Amortization (Pre-TCJA)		254 to 410-411		(1,407,987)			
	Cash Grant Basis Reduction Amortization		254 to 410-411		(1,007,447)			
	TCJA Wholesale Fixed Rate True Up		254 to 410-411		18,987,329			
	TCJA Non-Utility Property, Plant & Equipment True Up		254 to 410-411		(96,461)			
	TCJA SC R&D Credit True Up		254 to 410-411		(1,634)			
	<b>Total Items Not Reported on ADIT FERC Pages</b>				(10,054,436)			
	<b>Total per FERC IS - Agrees to E-1 Data Request 13(c)</b>				(239,434,881)			
<b>Per FERC Balance Sheet - Page 111, Line 82</b>								
	Per FERC Balance Sheet - Page 113, Line 63	1,775,392,682						1,864,956,280
	Per FERC Balance Sheet - Page 113, Line 64	(2,555,356,409)						(2,895,677,136)
	<b>Total ADIT per FERC Balance Sheet</b>	(1,102,510,085)						(1,287,627,819)
	<b>Difference</b>	(1,882,473.813)						(2,118,348.475)



DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

/A

Item No. 13(e)

Calculation of Investment Tax Credits for the Year

Current Year Deferrals:	(Dr)Cr Acct 255
	Per Tax Provision
<b>Blewett Hydro (Tax in Service Year 2017)*</b>	
Investment Tax Credit Eligible Amount	7,042,833
Federal Investment Tax Credit %	30%
Credit Amount	\$ 2,112,850
<b>Total Credit Amount</b>	<b>\$ 2,112,850</b>

\*Credit was accounted for during the 2017 provision to tax  
return true up process which occurred during 2018

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Oct 30 2019

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

### Reconciliation of Beginning and Ending Unamortized Investment Tax Credits

Balance in Account 255 - Beginning of Year	(DR)/CR	
Balance in Account 255 - End of Year	\$	143,330,909
Activity for the Year		142,161,990
See details below	\$	(1,168,919)

	Adjustments for Prior Years			<DR>/CR	<DR>/CR
	Current Year Deferral	Expense Deferral	Amortization	Expense Current Yr Amortization	Bal. Sheet Net Activity
Production-Gross				2,873,473	(2,873,473)
Blewett Deferral-Fed	2,112,850			0	2,112,850
Fayetteville Deferral-Fed				0	0
Warsaw Deferral-Fed				0	0
Jacksonville Deferral-Fed				0	0
Elm City Deferral-Fed		(73,891)		0	73,891
Harris Deferral-NC				0	0
Harris Deferral-SC				0	0
Harris Deferral-Fay.				0	0
Harris Deferral-Municip				0	0
Harris Deferral-EMC				0	0
Disallowance-NC				(213,806)	213,806
Disallowance-SC				(27,137)	27,137
Disallowance-FERC				(47,773)	47,773
Disallowance-PA				(12,129)	12,129
Production-Net	2,112,850	(73,891)		2,572,627	(385,886)
Transmission				275,392	(275,392)
Distribution				413,806	(413,806)
General				93,835	(93,835)
TOTAL	2,112,850	(73,891)		3,355,660	(1,168,919)

Total Per 2018 FERC Form 1

3,355,660

(1,168,919)

Difference

0

(0)

**Note 1:** Solar ITC's should be functionalized as production because transmission and distribution for solar does not qualify for the ITC.

**Note 2:** Adjustment for prior years above = 2017 provision to tax return true-up for the related solar facilities.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 14**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

Prepare a complete detailed lead-lag study for the test year for total company electric. North Carolina retail, other retail jurisdictions, and FERC wholesale including all workpapers in support thereof.

Note: Nantahala Power and Light Company is not subject to this requirement.

**Response:**

DEP has calculated cash working capital requirements for the 12-month test period ended December 31, 2018, in its per books cost of service in accordance with the methodology per the Commission's March 21, 2016, order in Docket No. M-100 Sub 137.

The results are provided in the files attached below which calculate the lead-lag based cash working capital applied in DEP's per books cost of service studies filed under the Summer Coincident peak (1CP) and allocation methodology.

- DEP Summary and Lead Lag Schedules NC 1 SCP 2018 PB COS.xls



DEP Summary and  
Lead Lag Schedules

- DEP Interest on Long Term Debt Lead Calculation.xls



DEP Interest on  
Long Term Debt Lea

The lead-lag calculation applies lead-lag days to revenues and expenses allocated to the NC retail jurisdiction in the per books cost of service studies filed under E1 Item 45A in this docket. The number of lead-lag days applied to the various revenue and expense categories are obtained from the Lead Lag Study performed by Ernst & Young LLC and issued in July of 2019. The E&Y report narrative of that DEP study for the year ended December 31, 2017 is attached below.

- E&Y Duke Lead Lag Report – DEP.pdf



E&Y Duke Lead Lag  
Report - DEP.pdf



E&Y Duke Lead Lag  
Report\_Summary ar

- E&Y Duke Lead Lag Report\_Summary and Revenue and Expense Lead Lag.xlsx
- DEP Summary of Exhibit.xlsx



DEP Summary of  
Exhibits.xlsx

The “Revenue and Expense Lead Lag” tab in the attached lead-lag calculation file lists the revenues and expenses from the cost of service provided in E-1 Item 45A, the lead or lag days applicable to each, and a combined weighted average lead or lag for the major revenue and cost components. The “Summary” tab then combines these to calculate net lag days for revenues versus expenses, and the resulting cash working capital to be applied in the per books cost of service under the ICP methodology.

Lead-lag calculations were performed at the NC retail jurisdictional level. The resulting cash working capital was then grossed up to a system level using the net plant allocator. Amounts that would be allocable to other retail and FERC wholesale jurisdictions has been calculated on the “Summary” tab.

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1219**  
**Cash Working Capital for NC Retail Operations - Lead Lag Summary**  
**For the test period ended December 31, 2018**  
**Summer CP Demand Allocation with MINIMUM SYSTEM**

Line No.		NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
1	Total Revenue Lag	(3,657,503,448)	42.13	(154,105,864,564)
2	Operation and Maintenance Expense	2,091,224,112	32.27	67,473,737,467
3	Depreciation and Amortization	669,787,484	0.00	0
4	Taxes Other Than Income Taxes	102,197,044	123.16	12,586,614,755
5	Interest on Customer Deposits	7,970,989	137.50	1,096,011,021
6	Income Taxes	112,986,202	(20.60)	(2,327,336,581)
7	Investment of Tax Credit	(2,133,914)	0.00	0
8	Net Operating Income	675,471,531	27.48	18,562,553,881
9	<b>Total Requirements</b>	<u><u>3,657,503,448</u></u>	26.63	<u><u>97,391,580,542</u></u>
10	Revenue Lag Days		42.13	
11	Requirement Lead Days		26.63	
12	Net Lag Days		15.51	
13	Daily Requirements			10,020,557
14	Cash Working Capital Requirements			155,381,600
15	Working Capital Related to NC Sales Tax			4,759,823
16	Total Cash Working Capital Requirements			<u><u>160,141,423</u></u>
17	<b>Calculation of Total Company and Jurisdictional Amounts:</b>			
18	NC Retail: Cash Working Capital allocated at NB_PLT Factor			67.0949%
19	Total Company Cash Working Capital Requirements (L16 / L18)			<u><u>238,679,065</u></u>
20	NC Retail Factor			67.0949%
21	SC Retail Factor			10.0953%
22	Total Wholesale Factor			<u><u>22.8098%</u></u>
23	Total (Sum L20 through L22)			<u><u>100.0000%</u></u>
24	NC Retail Cash Working Capital Requirement (L19 x L20)			160,141,423
25	SC Retail Cash Working Capital Requirement (L19 x L21)			24,095,385
26	Total Wholesale Cash Working Capital Requirement (L19 x L22)			<u><u>54,442,257</u></u>
27	Total Company Cash Working Capital Requirement (Sum L24 through L26)			<u><u>238,679,065</u></u>

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1219**  
**Calculation of (Lead) Lag**  
**Interest on Long Term Debt**  
**12 Months Ended December 31, 2017**  
**\$000s**

E-1 Item 14

Payment Frequency	Line No.	Long Term Debt	Long Term Debt Account	Amount O/S 31-Dec-17	Annualized Interest 31-Dec-17	(Lead) Lag Days	Weighted Dollar Days
semi-annual	1	8 5/8% Series Due 09-15-2021	0221566	\$ 100,000	8.63	91.25	\$ 787,031
semi-annual	2	Series W Pollu Control Bonds - Wake 2002 Refn 2013	0221574	\$ 48,485	4.00	91.25	176,970
semi-annual	3	4.375% Series Due 3-30-2044	0221075	\$ 400,000	4.38	91.25	1,596,875
semi-annual	4	6.125% Series Due 9-15-2033	0221549	\$ 200,000	6.13	91.25	1,117,813
semi-annual	5	5.70% Series Due 4-01-2035	0221544	\$ 200,000	5.70	91.25	1,040,250
semi-annual	6	6.3% Series Due 4-1-2038	0221546	\$ 325,000	6.30	91.25	1,868,344
semi-annual	7	5.3% Series Due 1-15-19	0221547	\$ 600,000	5.30	91.25	2,901,750
semi-annual	8	3% Series Due 9-15-21	0221567	\$ 500,000	3.00	91.25	1,368,750
semi-annual	9	2.8% Series Due 5-15-2022	0221568	\$ 500,000	2.80	91.25	1,277,500
semi-annual	10	4.10% Series Due 5-15-2042	0221572	\$ 500,000	4.10	91.25	1,870,625
semi-annual	11	4.10% Series Due 3-15-2043	0221573	\$ 500,000	4.10	91.25	1,870,625
semi-annual	12	DEP FMB 500M 4.15% 12-1-44	0221043	\$ 500,000	4.15	91.25	1,893,438
semi-annual	13	DEP FMB 500M 3.25% 8/15/2025	0221051	\$ 500,000	3.25	91.25	1,482,813
semi-annual	14	DEP FMB 700M 4.20% 8/15/2045	0221052	\$ 700,000	4.20	91.25	2,682,750
semi-annual	15	DEP FMB 450M 3.70% 10/15/2046	0221053	\$ 450,000	3.70	91.25	1,519,313
Quarterly	16	DEP FMB 300M Floating 09-08-20	0221054	\$ 300,000	1.66	45.63	226,802
semi-annual	17	DEP FMB 500M 3.60% 9/15/2047	0221058	\$ 500,000	3.60	91.25	1,642,500
Daily	18	Advances from Associated Companies	0223306	\$ 150,000	1.57	0.99	2,339
Monthly	19	0224550 - LT DEPR Debt	0224550	\$ 300,000	2.14	15.21	
	20	Unamortized Discount on LT Debt (226)	0226XXX	\$ (16,188)		0.00	
	21	Total		\$ 7,257,297	\$ 288,788	87.70	\$ 25,326,488

Payment Frequency	(Lead) Lag Days
Annual	182.50
Semi-annual	91.25
Quarterly	45.63
Monthly	15.21
Daily	0.99



## Lead Lag Summary

For the Test Year Ended December 31, 2017

[illegible]

Duke Energy Progress, LLC									
Cash Working Capital Requirements for NC Retail Operations									
Lead Lag Summary									
For the Test Year Ended December 31, 2017									
Support	Line			Total YTD		NC Retail	Lead		
Sch #	No.	Total Utility Operating Revenue and Expense Line Description	Account	Dec 2017	Jurisdictional Amount	\ Lag Days	Weighted Amount		
	1	OPERATING REVENUES:							
	2								
	3								
	4	Service Lag					15.21		
	5	Billing Lag							
1	6	Total Retail Sales & Billing Lag		(3,664,874,922)	(3,130,222,728)		1.66		
	7	Revenue - REPS		(43,981,207)	(43,981,207)				
	8	Unbilled Revenue	0440.99, 0442.19, 0442.29, 0444.99, 0445.09	(17,834,534)	(15,326,966)				
	9								
2	10	Collection Lag					25.01		
	11								
	12	Total Revenue Lag Elec Delivery Rate Schedule (Ln 11 + 17)		(3,726,690,663)	(3,189,530,901)		41.88	(133,572,238,249)	
	13								
3	14	Total Revenue Lag Sales for Resale		(1,257,931,461)	(98,547,688)		33.73	(3,324,012,842)	
	15	Provisions For Rate Refunds	0449100	0	-				
	16	Total Sales of Electricity (L12 + L14)		(4,984,622,123)	(3,288,078,569)		41.63	(136,896,251,091)	
	17								
	18	Other Revenues:							
	19	Forfeited Discounts	0450100, 0450200	(8,481,360)	(7,563,655)		72.30	(546,852,257)	
	20	Miscellaneous Revenues	0451100	(7,667,672)	(6,838,010)		76.00	(519,688,760)	
4	21	RENT - (454) - DIST PLT REL		(4,610,121)	(4,022,537)		41.63	(167,458,215)	
	22	RENT - (454) - DIST POLE RENTAL REV		(14,715,792)	(12,301,943)		182.00	(2,238,953,626)	
4	23	RENT - (454) - TRANS PLT REL		(676,819)	(404,749)		41.63	(16,849,701)	
	24	RENT - (454) - ADD FAC - WH/S		(3,290,570)	0		0.00	-	
4	25	RENT - (454) - ADD FAC - RET X LIGHTING		(6,228,691)	(5,640,043)		41.63	(234,794,990)	
	26	RENT - (454) - ADD FAC - LIGHTING		(4,491,301)	(4,188,657)		41.63	(174,373,791)	
4	27	RENT - (454) - OTHER		(7,484,770)	(4,960,817)		68.21	(338,385,893)	
	28	OTHER ELEC REV (456) - PROD PLT REL		(1,957,142)	(1,200,457)		41.88	(50,273,138)	
	29	OTHER ELEC REV (456) - TRANS REL		(10,150,455)	(6,070,143)		41.88	(254,207,472)	
	30	OTHER ELEC REV (456) - GEN PLT REL		0	0		41.88	-	
	31	OTHER ELEC REV (456) - WH D/A		(62,938,028)	0		41.88	-	
	32	OTHER ELEC REV (456) - OTHER		(5,950,637)	(3,944,012)		41.88	(165,168,670)	
	33	OTHER ELEC REV (456) - REPS		(178,392)	(178,392)		41.88	(7,470,760)	
	34	OTHER ELEC REV (456) - OTHER ENERGY		0	0		41.88	-	
	35	OTHER ELEC REV (456) - DIST PLT REL	0456630	(2,240,720)	(1,955,129)		41.88	(81,877,563)	
4	36	Total Other Revenues (L19 through L35)		(141,062,469)	(59,268,545)		80.93	(4,796,354,836)	
	37								
	38	Utility Oper Revenues (L17 + L20+ L22 +L24 + L26 + L47 +L49 + L79)		(5,125,684,592)	(3,347,347,114)		42.33	(141,692,605,927)	
	39	ELECTRIC OPERATING REVENUE		(5,125,684,592)	(3,347,347,114)				
	40								
	41	OPERATION AND MAINTENANCE EXPENSE:							
	42								
	43	Fuel Used in Electric Generation							
5 + 6	44	OM Prod Energy - Fuel		1,251,419,297	762,662,565		28.62	21,827,402,600	
	45								
	46	Fuel Used in Elec Gen (HFM Greenbook I/5)	F_FUEL_USED_ELEC_GEN	1,251,419,297	762,662,565		28.62	21,827,402,600	

**Duke Energy Progress, LLC**  
**Cash Working Capital Requirements for NC Retail Operations**

**Lead Lag Summary**

**For the Test Year Ended December 31, 2017**

Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	Total YTD Dec 2017	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
47							
48		OM PROD PURCHASES - CAPACITY COST		116,417,717	71,407,405	30.29	2,162,990,289
49		OM PROD PURCHASES - ENERGY COST		415,529,536	252,829,640	30.29	7,658,209,782
50		OM DEFERRED FUEL EXPENSE	0557980	(180,732,923)	(180,189,502)	0.00	-
7	51	Purchased Power (Act 555) + Def Fuel (Act 557)	0555XXX	<u>351,214,330</u>	<u>144,047,542</u>	<u>68.18</u>	<u>9,821,140,071</u>
52							
53		<b>Total Other O&amp;M Excluding Fuel and Purchased Power</b>					
54							
9	55	Total Labor Expense		562,409,999	366,460,746	31.67	11,604,542,579
56							
57		Uncollectible Accounts	0904000, 0904001	6,504,470	5,800,670	0.00	-
58							
8	59	Nuclear Fees in Act 524	0524000	34,582,782	21,212,121	(34.66)	(735,212,115)
60							
10	61	Pension and Benefits	0926XXX	90,966,042	59,272,566	14.23	843,448,608
62							
11	63	Regulatory Commission Expense	0928000	7,127,626	5,592,954	103.01	576,130,192
64							
15	65	Property Insurance	0924XXX	7,696,581	5,184,875	(222.30)	(1,152,597,643)
66							
67		Injuries & Damages - Workman's Compensation	0925980	288,240	194,176	0.00	-
68							
69		Remaining Other Oper & Maint Expense		652,535,859	457,582,404	44.01	20,138,201,601
70							
71		Total O&M Excl. Fuel and Purch. Power		<u>1,362,111,599</u>	<u>921,300,511</u>	<u>33.95</u>	<u>31,274,513,222</u>
72							
73		<b>Total Operation and Maintenance Expense (L46 + L51 + L71)</b>		<b><u>2,964,745,226</u></b>	<b><u>1,828,010,618</u></b>	<b><u>34.42</u></b>	<b><u>62,923,055,892</u></b>
74							
75		Total Depreciation & Amortization & Property Loss		762,731,492	539,354,933	0.00	-
76							
77		<b>Taxes Other Than Income Taxes</b>					
9	78	Payroll Taxes		37,286,697	24,282,736	11.31	274,637,739
13	79	Property Tax		95,736,515	64,423,155	186.50	12,014,918,316
80		FED HEAVY VEHICLE USE TAX		45,282	35,860	0.00	-
81		ELECTRIC EXCISE TAX - SC		2,436,779	0	0.00	-
82		PRIVILEGE TAX		16,254,008	12,031,302	(11.97)	(144,014,686)
13	83	PUC LICENSE TAX - SC		1,775,775	0	0.00	-
84		Taxes Other Than Income Taxes		153,535,056	100,773,052	120.52	12,145,541,369
85							
16	86	Total Interest on Customer Deposits		9,367,221	8,712,804	137.50	1,198,010,503
87							
14	88	Federal Income Tax		(91,946,206)	(66,117,748)	44.75	(2,958,769,227)
89		State Income Tax		2,562,304	1,842,531	44.75	82,453,280
90		Income Tax - Deferred		426,155,043	314,669,695	0.00	-
91		Net Income Taxes		336,771,141	250,394,479	(11.49)	(2,876,315,948)
92							
93		Investment of Tax Credit Adj Net	04114XX	(3,380,372)	(2,136,868)	0.00	-
94							
95		<b>Total Utility Operating Expenses (L73 + L75 + L84 + L86 + L91 + L93 )</b>		<b><u>4,223,769,763</u></b>	<b><u>2,725,109,018</u></b>	<b><u>26.93</u></b>	<b><u>73,390,291,817</u></b>
96							

Duke Energy Progress, LLC											
Cash Working Capital Requirements for NC Retail Operations											
Lead Lag Summary											
For the Test Year Ended December 31, 2017											
Support											
Sch #	Line	Account	Total YTD Dec 2017	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount					
	97	Interest Expense for Electric Operations	281,071,586	186,290,919	0.00	-					
	98	Income for Equity Return (199 - 197)	620,843,243	435,947,177	0.00	-					
	99	Net Operating Income	901,914,829	622,238,096	0.00	-					
	100										
	101	Total Requirements (Ln 269+273)	5,125,684,592	3,347,347,114	21.92	73,390,291,817					
	102										
	103										
	104	Cash Working Capital Related to NC Sales Tax	5,841,335								

**Duke Energy Progress, LLC**  
**Docket No. E-2, Sub 1219**  
**Cash Working Capital for NC Retail Operations - Summary of Exhibits**  
**For the test period ended December 31, 2017**  
**Summer CP Demand Allocation with MINIMUM SYSTEM**

<u>Schedule #</u>	<u>Exhibit Name</u>
1	Billing Statistics
2	Collection Lag AR Turnover
3	Sales for Resale
4	Misc Revenue
5	Coal Oil Biomass
6	Gas Purchase and Costs
7	Purchased Power
8	Nuclear Fees
9	Payroll
10	Pension and Benefits
11	Regulatory Expenses
12	Not used
13	Taxes Other Than Income
14	Income Taxes
15	Property Insurance
16	Interest on Customer Deposits
17	Cash Working Capital Related to NC Sales Tax
18	Other O&M Estimation Summary

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 15

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**Request:**  
None

**Response:**



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 16**

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**Request:**

- a. Provide an analysis of Account 930 - Miscellaneous General Expenses, Account 913 - Advertising Expenses, and Account 426 - Other Income Deductions for the test year. This data should be presented as shown in Format 16 attached. Provide detailed worksheets in support of the analyses. As a minimum, the worksheets should show the date, vendor, reference (i.e., voucher no., etc.) dollar amount and brief description of each expenditure. With regard to Account 913, Advertising Expense, the purpose of each expenditure should be shown. Detailed analyses of Accounts 930, 913, and 426 are not required for amounts of less than \$1,000 provided the items are grouped by classes as shown in Format 16 attached.
- b. With regard to association dues charged to Account 930 Miscellaneous General Expense provide the following:
  1. Justification for inclusion of said dues in the company's cost of service.
  2. Explanation of the use of said dues by the association receiving the dues.
  3. Explanation of purpose and objectives of the association receiving dues from the company.
  4. Current annual budget of the association receiving dues from the company by major category of activity, e.g., research, education, administration, lobbying, etc.
- c. List all dues and contributions charged to operating and/or nonoperating expense accounts during the test year which have not been specifically identified elsewhere herein.

**Confidential Response:**

See attached file "DEP Rate Case E1-16(a) Miscellaneous General Expenses".



DEP Rate Case  
E1-16(a) Miscellaneous

See attached file "DEP Rate Case E1-16(b) Industry Association Dues CONFIDENTIAL".



DEP Rate Case  
E1-16(c) Dues and C

DUKE ENERGY PROGRESS, LLC

Item No. 16A

Docket E-2, Sub 1219

Miscellaneous General Expenses

NCUC Form E-1 Data Request

For the test year ended December 31, 2018

**Analysis of Account 930 - Miscellaneous General Expenses**

0930200	Misc General Expenses	(24,725,308)
0930210	Industry Assoc Dues (a)	727,449 (a)
0930220	Exp of Servicing Securities	151,160
0930230	Dues to Various Organizations	265,024
0930240	Director's Expenses	1,196,643
0930250	Buy/Sell Transf Employee Homes	990,897
0930600	Leased Circuit Charges - Other	7,531
0930700	Research & Development	47,691
0930800	R&D - Alternative Energy	1,379,975
0930940	General Expenses	110,574
<b>Total</b>		<b>\$ (19,848,364)</b>

**Analysis of Account 913 - Advertising Expenses**

0913001		217,839
<b>Total</b>		<b>\$ 217,839</b>

**Analysis of Account 426 - Other Income Deductions**

0426100	Donations	\$ 3,334,051
0426200	Life Insurance Expense	(3,581,268)
0426201	Coll Loan Interest	1,939,033
0426300	Penalties	1,878,534
0426400	Exp/Civic & Political Activity	3,159,976
0426540	Other	1,120,563
0426540	Employee Service Club Dues	528
0426553	PP&E Impairment	33,482,408
<b>Total</b>		<b>\$ 41,333,825</b>
<b>Grand Total</b>		<b>\$ 21,703,300</b>

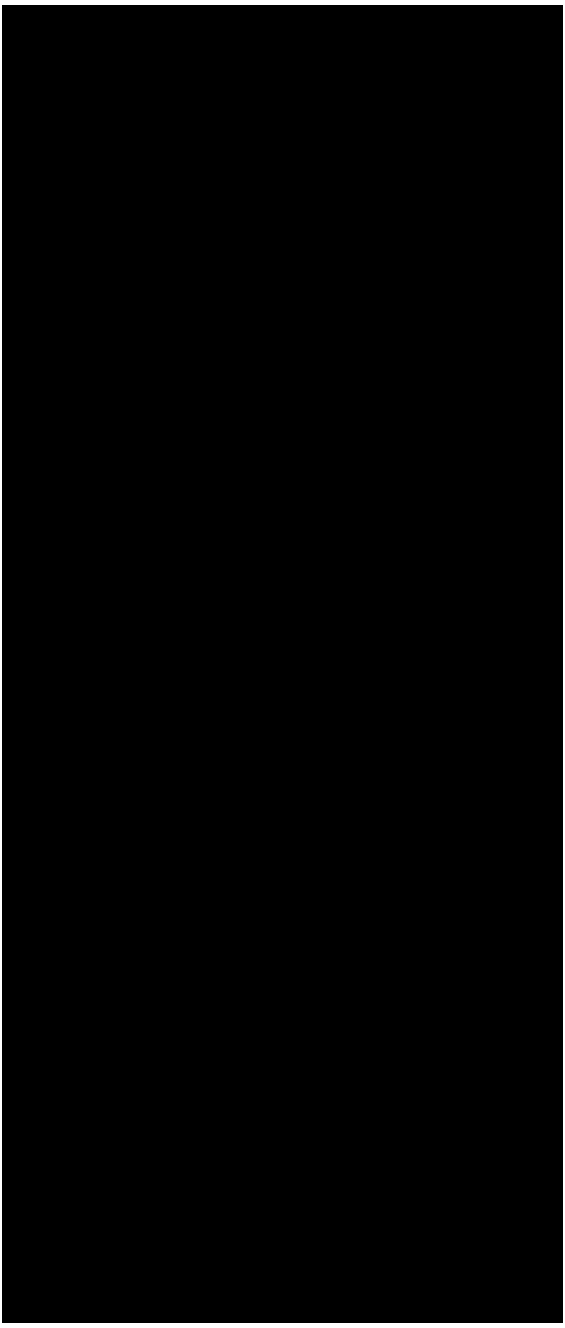
Notes:

(a) see detail in item 16b

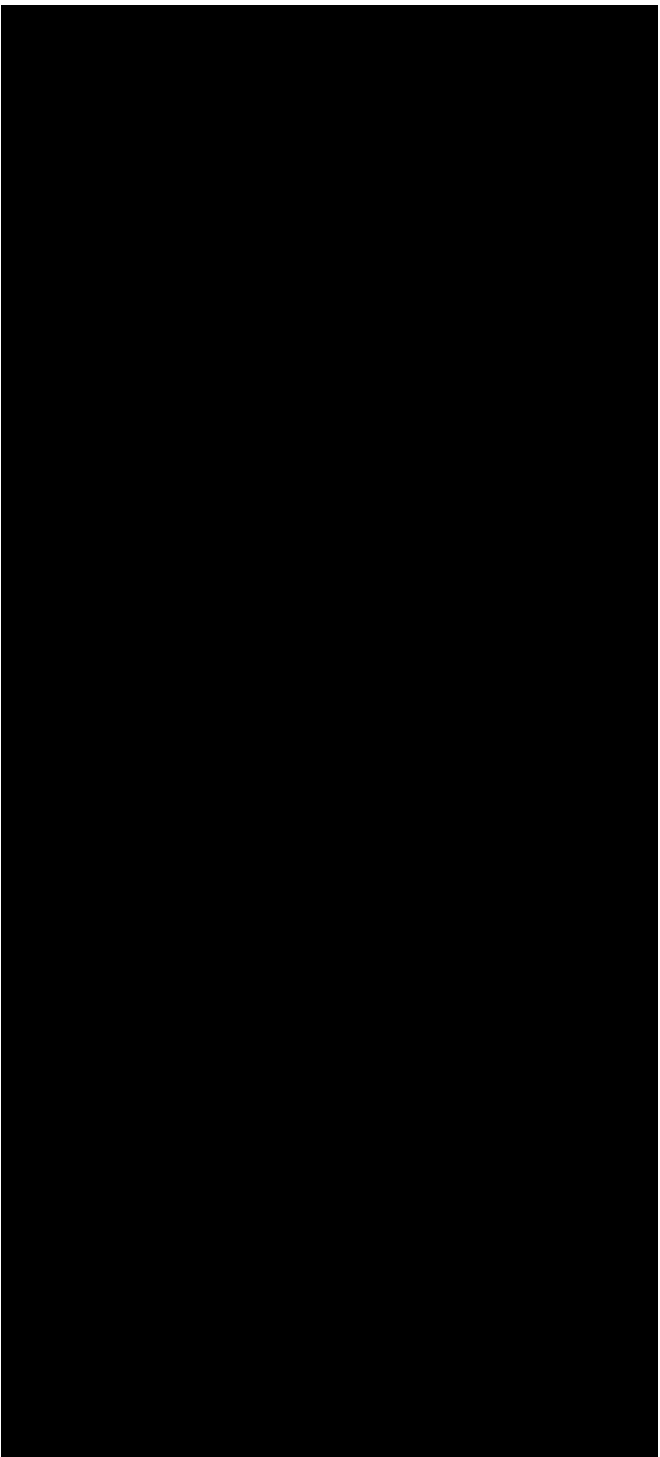
DUKE ENERGY PROGRESS  
Docket E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 16b  
Industry Association Dues

Account 0930210 - Industry Association Dues Summary



DUKE ENERGY PROGRESS  
State of North Carolina  
Docket E-2, Sub 1219  
Industry Association Budgets



DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 16c  
Dues and Contributions

<u>Account</u>	<u>Recipient</u>	<u>Amount</u>
0524000	INSTITUTE OF NUCLEAR POWER OPERATIONS	4,379,284
0524000	NUCLEAR ENERGY INSTITUTE	1,517,063
0921100	CORPORATE EXECUTIVE BOARD	44,031
0557000	CONSORTIUM FOR ENERGY EFFICIENCY	42,146
0921200	GREENTECH MEDIA	28,020
0921100	CEATI INTERNATIONAL	21,450
0528000	POWER EQUIPMENT ASSOCIATES LTD	21,256
0921100	BUSINESS FOR SOCIAL RESPONSIBILITY	7,706
0511000	CONSTRUCTION USERS ROUNDTABLE	7,500
0921100	THE CONFERENCE BOARD	7,738
0921100	ENERGY STORAGE ASSOCIATION	5,625
0524000	COMMUNITIES IN SCHOOLS OF BRUNSWICK	5,000
0549000	GREATER WILMINGTON	3,500
0912000	NORTH CAROLINA CHAMBER	3,250
0549000	LOWER NEUSE BASIN ASSOCIATION INC	1,816
0520000	NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY	1,310
<b>Total Dues Identified by Vendor and &gt; \$1,000 that are not reported in E-1 Item No. 16a</b>		<b>6,096,693</b>
VARIOUS	RECIPIENTS < \$1,000	3,440
VARIOUS	ALL OTHER (MOSTLY ALLOCATIONS FROM SERVICE COMPANY)	150,598
<b>Total Dues NOT Identified by Vendor or &lt; \$1,000 that are not reported in E-1 Item No. 16a*</b>		<b>154,038</b>
<b>TOTAL DUES AND CONTRIBUTIONS (NOT REPORTED IN E-1 ITEM NO. 16A)</b>		<b>6,250,731</b>

\*The General Ledger does not provide detail at the vendor level for employee expense reports, certain service company allocations, and other miscellaneous journal entries that were booked outside of the accounts payable subledger.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

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**Request:**

The amount of contributions for political purposes (in cash or services) if any.

**Response:**

Please see attached "DEP Rate Case E1-17 Political Contributions".



DEP Rate Case  
E1-17 Political Contr



DUKE ENERGY PROGRESS, LLC  
 Docket No. E-2, Sub 1219  
 NCUC Form E-1 Data Request  
 For the test year ended December 31, 2018

Item No. 17  
 Political Contributions

Jurisdiction	ORGANIZATION	Amount Allocated		Purpose
		Invoice Amount	to Duke Energy Progress, LLC	
South Carolina	RAYMOND ANTHONY DENNY III	78,000	39,000	Consulting and Lobbying Services
	KELLEY MCCAIN & SMITH OWENS LLC	66,000	33,000	Legal Services
	CAMPBELL CONSULTING GROUP LLC	48,000	24,000	Lobbying and Political Consulting
	SOUTHERN STRATEGY GROUP OF SOUTH CAROLINA	48,000	24,000	Consulting
	SOUTH CAROL NA SENATE REPUBLICAN CAUCUS	25,000	12,500	Event Sponsorship/Membership
	SOUTH CAROL NA MANUFACTURERS ALLIANCE	15,347	2,273	Lobbying, Sponsorship, and Legislative Event
	2019 SC NAUGURAL COMMITTEE	15,000	4,500	Sponsorship
	SC BUSINESS & INDUSTRY POLITICAL EDUCATION COMMITTEE	10,000	5,000	Membership Investment
	SC REPUBLICAN HOUSE CAUCUS	10,000	5,000	Sponsorship/Membership
	SOUTH CAROL NA HOUSE DEMOCRATIC CAUCUS	10,000	5,000	Contribution
	SOUTH CAROL NA SENATE DEMOCRATIC CAUCUS	10,000	5,000	Event Sponsorship/Membership
	CAPITOL INFORMATION AFFILIATES	7,500	3,750	Legislative Monitoring Services
	MCLEOD CONSULTANTS LLC	4,000	2,000	Consulting Services
	CITY OF COLUMBIA	2,520	630	Parking Rental
	CONGRESSIONAL SPORTSMENS FOUNDATION	2,500	1,250	Sponsorship
	FURMAN UNIVERSITY	2,500	1,250	Sponsorship at Legislative and Civic Award Dinner
	SOUTH CAROL NA LEGISLATIVE BLACK CAUCUS	2,500	1,250	2018 Retreat Sponsorship
	SOUTH CAROL NA REPUBLICAN PARTY	2,500	1,250	Sponsorship
	NATIONAL CONFERENCE OF STATE LEGISLATURES	500	250	Professional training session
	SOUTHERN ECONOMIC DEVELOPMENT COUNCIL	250	5	Annual Dues
	THE SUNN E HARMON & JOHN DEVORKEN GROUP	250	125	Legislative reception
	GREATER FLORENCE CHAMBER OF COMMERCE	100	100	Sponsorship
	<b>Total South Carolina Political Donations</b>	<b>360,467</b>	<b>171,133</b>	

North Carolina	CAROL NA PARTNERSHIP FOR REFORM NC	400,000	200,000	Contribution
	CAROL NA LEADERSHIP COALITION INC	300,000	92,000	Annual Membership
	NORTH CAROL NA CHAMBER	160,000	38,200	Lobbying activities
	SMITH ANDERSON BLOUNT DORSETT	125,504	62,752	Legislative Representation Services
	PARKER POE ADAMS & BERNSTE N LLP	100,595	50,297	Lobbying Services
	LAW OFFICE OF ROBERT W KAYLOR PA	27,752	13,876	Lobbying Services
	FR ENDS OF WAKE COUNTY	25,000	25,000	Contribution
	NORTH CAROL NA LEGISLATIVE BLACK CAUCUS	15,000	7,500	Education Scholarship Event
	MOVING NC FORWARD	10,000	5,000	Sponsorship
	NORTH CAROL NA FREENTERPRISES	10,000	5,000	Membership renewal
	THE NEWS & OBSERVER PUBLISH NG COMPANY	6,823	2,984	Subscription to political publication
	WORLD AFFAIRS COUNCIL OF CHARLOTTE	6,000	1,401	Sponsorship
	NORTH CAROL NA PROFESSIONAL LOBBYISTS	3,500	750	Annual meeting sponsorship
	ALLIANCE OF NORTH CAROLINA BLACK ELECTED	2,500	1,250	NC Black Summit Sponsorship
	AMERICAN LEGISLATIVE EXCHANGE COUNC L	683	341	NC State Sponsorship
	CAROL NA TELEPHONE & TELEGRAPH	282	141	Sponsorship
	NORTH CAROL NA GENERAL ASSEMBLY	53	26	Copies for legislative session
	<b>Total North Carolina Political Donations</b>	<b>\$1,193,638</b>	<b>\$506,519</b>	

Federal	EDISON ELECTRIC INSTITUTE NC	4,951,610	1,795,877	Membership Dues
	NUCLEAR ENERGY INSTITUTE	4,780,434	38,899	Lobbying expenses & sponsorship
	THE DUBERSTEIN GROUP INC	500,000	116,750	Consulting, advisory services
	CHAMBER OF COMMERCE OF THE USA	350,000	37,944	Membership / Sponsorship
	THE BUSINESS ROUNDTABLE	300,000	59,543	Membership dues
	ATLANTIC MEDIA NC	295,000	68,683	Ballast research
	ERNST & YOUNG LLP	290,000	67,715	Professional services
	POLITICO LLC	251,367	58,694	Political Journalism
	THE ALP NE GROUP INC	197,405	56,040	Tax and environmental legislative consulting services
	BRACEWELL & GIULIANI LLP	180,000	46,094	Law and governmental relations firm
	CLEARV EW ENERGY PARTNERS LLC	180,000	42,030	Macro economic and policy research services
	HOBART HALLAWAY & QUAYLE VENTURES LLC	170,000	39,695	Membership contribution
	REPUBLICAN GOVERNORS ASSOCIATION	135,000	31,523	Contribution
	DEMOCRATIC GOVERNORS ASSOCIATION	120,000	28,020	Consulting services for legislative and regulatory issues
	CGCN GROUP LLC	104,000	24,284	Consulting services
	POLARIS CONSULT NG LLC	100,000	23,350	Contribution
	ONE NATION	60,000	7,005	2018 Steering Committee membership dues (lobbying portion)
	COAL UT LIZATION RESEARCH COUNC L	60,000	14,010	Consulting
	TRANSSOURCE NC	58,500	13,660	Membership/conference
	R PON SOC ETY	55,000	12,843	Research project support
	FTI CONSULT NG SC INC	50,000	11,675	Contribution
	AMERICA NEXT	40,000	9,340	Contribution
	CITIZENS FOR A WORKING AMERICA NC	30,000	7,005	Consulting
	MAG NE TENNESSEE BETTER	25,800	6,024	Membership dues
	THE VOGEL GROUP LLC	25,000	5,838	Contribution
	PUBLIC AFFAIRS COUNCIL	25,000	5,838	Membership dues
	AMERICAN ACTION NETWORK NC	25,000	5,838	Contribution
	GOPAC	25,000	2,335	Sponsorship
	MOVING NC FORWARD	20,686	4,830	Membership
	THE KEYSTONE CENTER	20,000	4,670	Pence Tribute gala sponsorship
	NATIONAL JOURNAL GROUP NC			
	NDIANA SOCIETY OF WASHINGTON			

DUKE ENERGY PROGRESS, LLC  
 Docket No. E-2, Sub 1219  
 NCUC Form E-1 Data Request  
 For the test year ended December 31, 2018

Item No. 17  
 Political Contributions

Jurisdiction	ORGANIZATION	Amount Allocated		Purpose
		Invoice Amount	to Duke Energy Progress, LLC	
	THE COUNCIL OF STATE GOVERNMENTS	20,000	4,670	Conference
	THE GR DWISE ALLIANCE INC	20,000	959	Membership dues
	LAZ KARP ASSOCIATES LLC	16,800	1,716	Lobbying parking expenses
	AMERICA WORKS USA	10,000	2,335	Contribution
	ARISTOTLE INTERNATIONAL, NC	10,000	2,335	Website services
	NUCLEAR WASTE STRATEGY COALITION	10,000	234	Membership
	SOUTHERN STATES ENERGY BOARD	10,000	2,335	Membership/sponsorship
	NATIONAL ENERGY RESOURCES ORGANIZATION	5,000	1,168	Membership
	REPUBLICAN ATTORNEYS GENERAL ASSOCIATION	5,000	1,168	Membership dues
	CONGRESSIONAL BLACK CAUCUS FOUNDATION	3,620	845	Legislative conference support
	BUFFALO B LL MEMORIAL ASSOCIATION	2,500	584	Sponsorship
	L BERTY PLACE OWNER LP	590	138	Leased space
	WOMENS ENERGY RESOURCE COUNCL	280	65	Membership
	JONATHAN KAPPLER	155	36	Speaker expenses
	DAVID MCLENNAN	125	29	Speaker expenses
	OLD NORTH STATE MAGAZ NE	(2,500)	(900)	Correction of 2017 sponsorship, moved to 0426100
	<b>Total Federal Political Donations</b>	<b>\$13,826,372</b>	<b>\$1,101,381</b>	
	<b>Grand Total</b>	<b>\$15,380,477</b>	<b>\$1,779,033</b>	

**Note 1** Invoice Amount may include charges that are not related to political activity. Only the portion of the amount that is political in nature and allocated to DEP, LLC is shown in the amount allocated column.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 18**

☒ **CONFIDENTIAL**

☐ **NOT CONFIDENTIAL**

**Request:**

- a. A statement describing the applicant's lobbying activities and a schedule showing the name of the individual, his salary, and all company-paid or reimbursed expenses or allowances and the account charged for all personnel whose principal function is that of lobbying, whether it be lobbying on the local, state, or national level. The total expenses of registered lobbyist should show the portions allocated both above and below the line.
- b. A schedule showing the following information regarding the applicant's investments in subsidiaries and joint ventures for the test year and the year preceding the test year with each year shown separately:
1. Name of subsidiary or joint venture
  2. Date of initial investment
  3. Amount and type of investment made for each of the two (2) years included in this report
  4. Balance sheet and income statement for the test year and the year preceding the test year. (Where only internal statements are prepared, furnish copies of these.)
  5. Show on a separate schedule all dividends or income of any type received by applicant from its subsidiaries or joint ventures for each of the two (2) year report periods and indicate how this income is reflected in the stockholder reports.
  6. Name of officers of each of the subsidiaries or joint ventures, officer's annual compensation, and portion of compensation charged to the subsidiary or joint venture. Also, indicate the position each officer holds with the applicant and the compensation received from the applicant.

**Confidential Response:**

For part (a), see attached "DEP E1-18 Submission CONFIDENTIAL.xlsx"

For part (b), see attached "DEP Rate Case E1-18(b) 1-6 Investments in Subsidiaries"



DEP Rate Case  
E1-18(b) Investments

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Item 18a (Lobbying Activities)  
For the Test Year Ended December 31, 2018

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Oct 30 2019

Duke Energy Progress, LLC

**CONFIDENTIAL**

Docket No. E-2, Sub 1219

NCUC Form E-1 Item 18a (Lobbying Activities)

For the Test Year Ended December 31, 2018

### Lobbying Schedule - Labor & Employee Expenses

\_\_\_\_\_

**OFFICIAL COPY**

### Lobbying Schedule - Labor & Employee Expenses

[illegible]

**Oct 30 2019**

/A

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
For The Test Year Ended December 31, 2018  
Investment In Subsidiaries (Account 123)

NCUC Form E-1  
Item No. 18b 1-3  
Page 1 of 2

Company (% Voting Stock Owned)	Date Of Initial Investment	Investment At Beg Of Year (Jan 2018)	Subsidiary Net Income (Loss)	Investment	Investment At End Of Year (Dec 2018)
<u>Capitan Corporation (100%)</u> Common Stock / Equity Contribution Undistributed Earnings Total Capitan Corp.	12/28/1931	11,187 <u>(7,998)</u> 3,189	0 (110)	0 0	11,187 <u>(8,108)</u> 3,079
<u>CaroFund, Inc. (100%)</u> Common Stock / Equity Contribution Undistributed Earnings Total CaroFund, Inc.	8/15/1995	1,678,508 <u>782,225</u> 2,460,733	0 56,392	0 0	1,678,508 <u>838,617</u> 2,517,125
<u>CaroHome, LLC (99%)</u> Common Stock / Equity Contribution Undistributed Earnings Total CaroHome, LLC	4/21/1995	69,674,735 <u>(52,501,474)</u> 17,173,261	0 7,338,696	0 181,343	69,674,735 <u>(44,981,435)</u> 24,693,300
<u>Powerhouse Square, LLC (99.9%)</u> Common Stock / Equity Contribution Undistributed Earnings Total Powerhouse Square, LLC	1/16/1998	3,054,401 <u>(2,540,812)</u> 513,589	0 (550)	0 0	3,054,401 <u>(2,541,362)</u> 513,039



/A

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
For The Test Year Ended December 31, 2017  
Investment In Subsidiaries (Account 123)

NCUC Form E-1  
Item No. 18b 1-3  
Page 2 of 2

Company (% Voting Stock Owned)	Date Of Initial Investment	Investment At Beg Of Year (Jan 2017)	Subsidiary Net Income (Loss)	Investment	Investment At End Of Year (Dec 2017)
<u>Capitan Corporation (100%)</u>	12/28/1931	11,187	0	0	11,187
Common Stock / Equity Contribution		(7,998)	0	0	(7,998)
Undistributed Earnings		3,189			3,189
Total Capitan Corp.					
<u>CaroFund, Inc. (100%)</u>	8/15/1995	1,678,508	0	0	1,678,508
Common Stock / Equity Contribution		(748,432)	1,530,657	0	782,225
Undistributed Earnings		930,076		0	2,460,733
Total CaroFund, Inc.					
<u>CaroHome, LLC (99%)</u>	4/21/1995	69,674,735	0	0	69,674,735
Common Stock / Equity Contribution		(52,960,177)	266,264	192,439	(52,501,474)
Undistributed Earnings		16,714,558			17,173,261
Total CaroHome, LLC					
<u>Powerhouse Square, LLC (99.9%)</u>	1/16/1998	3,054,401	0	0	3,054,401
Common Stock / Equity Contribution		(2,533,021)	(7,791)	0	(2,540,812)
Undistributed Earnings		521,380			513,589
Total Powerhouse Square, LLC					

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
For The Test Year Ended December 31, 2018  
Subsidiary Balance Sheets

NCUC Form E-1  
Item No. 18b 4  
Page 1 of 4

	Capitan Corporation	Carolund, Inc.	CaroHome, LLC	Powerhouse Square, LLC
<b><u>Assets</u></b>				
Current Assets				
Cash & Cash Equivalents		2,106,715	23,713,625	
Accounts Receivable				
Restricted Receivables of V/Es				
Receivables from Affiliated Companies	(324)	692,872	2,585,047	513,039
Interest Receivable				
Allowance For Doubtful Accounts			70,000	
Notes Receivable from Affiliated Companies				
Prepaid Expenses				
Other Current Assets	140	(14,451)	26,368,672	513,039
Total Current Assets	(184)	2,785,136		
Other Assets				
Property, Plant & Equipment				
Accumulated Depreciation	3,263		(1,635,489)	
Investment In Subsidiaries / Affiliates		136,677	96,794	
Notes Receivable				
Deferred Tax Assets				
Amortizable Leaseholds				
Other Assets				
Total Other Assets	3,263	136,677	(1,538,695)	0
Total Assets	3,079	2,921,813	24,829,977	513,039
<b><u>Liabilities &amp; Equity</u></b>				
Current Liabilities				
Accounts Payable To Assoc Companies				
Other Accounts Payable				
Deferred Revenue				
Security Deposits / Tenants				
Interest Payable				
Notes Payable to Affiliated Companies		70,000		
Mortgage Payable	0	2,208		
Accrued Income Taxes				
Other Current Liabilities			0	
Total Current Liabilities	0	72,208	0	0
Other Liabilities				
Notes Payable				
Security Deposits / Tenants				
Current Deferred Taxes				
Long Term Deferred Tax		332,480		
Other Liabilities	0	332,480	1	0
Total Other Liabilities	0	404,688	1	0
Total Liabilities				
Equity				
Common Stock Issued	24,000	849,929	71,510,377	0
Additional Paid In Capital	(15,372)	795,759	(46,680,401)	513,039
Unappropriated Retained Earnings	(5,549)	871,437		
Total Equity	3,079	2,517,125	24,829,976	513,039
Total Liabilities & Equity	3,079	2,921,813	24,829,977	513,039

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
For The Test Year Ended December 31, 2018  
Subsidiary Income Statements

NCUC Form E-1  
Item No. 18b 4  
Page 2 of 4

	Capitan Corporation	Carolund, Inc.	CaroHome, LLC	Powerhouse Square, LLC
Operating Revenues				
Rental Income	0	0	0	0
Other Revenue	0	0	1,947,115	0
Total Revenues	0	0	1,947,115	0
Less: Operating Expenses				
Administrative Expenses	0	535	1,070,815	550
Property Related Expenses	0	0	0	0
Parking Deck Expenses	0	0	0	0
Other Expenses	0	0	0	0
Taxes / Fees Other Than Income Taxes	149	0	0	0
Total Operating Expenses	149	535	1,070,815	550
Net Operating Income (Expense)	(149)	(535)	876,300	(550)
Plus: Other Income				
Financing, Interest & Dividends	0	0	0	0
Equity in Subs / Affiliates	0	0	0	0
Miscellaneous Income	0	0	0	0
Gain Income	0	0	7,191,392	0
Total Other Income	0	0	7,191,392	0
Less: Other Expenses				
Amortization Expenses	0	0	0	0
Interest Expenses	0	0	181,341	0
Depreciation Expenses	0	0	473,527	0
Total Other Expenses	0	0	654,868	0
Income Before Interest & Income Taxes	(149)	(535)	7,412,824	(550)
Less: Membership Interest	0	74,128	0	0
Less: Income Taxes				
Current Income Taxes	39	(17,208)	0	0
Deferred Income Taxes	0	6	0	0
Total Income Taxes	39	(17,202)	0	0
Net Income (Loss)	(110)	56,392	7,412,824	(550)

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
For The Test Year Ended December 31, 2017  
Subsidiary Balance Sheets

NCUC Form E-1  
Item No. 18b 4  
Page 3 of 4

	Capitan Corporation	Carolund, Inc.	CaroHome, LLC	Powerhouse Square, LLC
<u>Assets</u>				
Current Assets				
Cash & Cash Equivalents		2,107,250	1,189,787	
Accounts Receivable			81,716	
Restricted Receivables of V/Es			1,248,563	513,589
Receivables from Affiliated Companies	(175)	623,331		
Interest Receivable		0		
Allowance For Doubtful Accounts		0	70,000	
Notes Receivable from Affiliated Companies				
Prepaid Expenses				
Other Current Assets	100	70,088	3,511,284	
Total Current Assets	(75)	2,800,669	6,101,350	513,589
<u>Other Assets</u>				
Property, Plant & Equipment	3,263		17,976,953	
Accumulated Depreciation			(6,831,967)	
Investment In Subsidiaries / Affiliates		62,549	96,794	
Notes Receivable				
Deferred Tax Assets				
Amortizable Leaseholdids				
Other Assets				
Total Other Assets	3,263	62,549	11,241,780	0
Total Assets	3,188	2,863,218	17,343,130	513,589
<u>Liabilities &amp; Equity</u>				
Current Liabilities				
Accounts Payable To Assoc Companies				
Other Accounts Payable				
Deferred Revenue				
Security Deposits / Tenants				
Interest Payable		70,000		
Notes Payable to Affiliated Companies				
Mortgage Payable	0	0		
Accrued Income Taxes				
Other Current Liabilities	0	70,000	107,318	0
Total Current Liabilities	0			
<u>Other Liabilities</u>				
Notes Payable				
Security Deposits / Tenants				
Current Deferred Taxes				
Long Term Deferred Tax		332,485		
Other Liabilities	0	332,485	1	0
Total Other Liabilities	0	402,485	107,319	0
Total Liabilities	0			
<u>Equity</u>				
Common Stock Issued	24,000	849,929		
Additional Paid In Capital	(15,372)	795,759	71,329,036	0
Unappropriated Retained Earnings	(5,440)	815,045	(54,093,225)	
Total Equity	3,188	2,460,733	17,235,811	513,589
Total Liabilities & Equity	3,188	2,863,218	17,343,130	513,589

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
For The Test Year Ended December 31, 2017  
Subsidiary Income Statements

NCUC Form E-1  
Item No. 18b 4  
Page 4 of 4

	Capitan Corporation	Carolund, Inc.	CaroHome, LLC	Powerhouse Square, LLC
Operating Revenues				
Rental Income	0	0	0	0
Other Revenue	0	0	1,892,085	0
Total Revenues	0	0	1,892,085	0
Less: Operating Expenses				
Administrative Expenses	0	1,839	1,035,498	7,758
Property Related Expenses	0	0	0	0
Parking Deck Expenses	0	0	0	0
Other Expenses	0	0	0	33
Taxes / Fees Other Than Income Taxes	0	4,000	0	0
Total Operating Expenses	0	5,839	1,035,498	7,791
Gain/(Loss) on Sales of Other Assets and Other, net	0			
Net Operating Income (Expense)	0	(5,839)	856,587	(7,791)
Plus: Other Income				
Financing, Interest & Dividends	0	0	0	0
Equity in Subs / Affiliates	0	0	0	0
Miscellaneous Income	0	0	0	0
Gain Income	0	2,086,360	81,578	0
Total Other Income	0	2,086,360	81,578	0
Less: Other Expenses				
Amortization Expenses	0	0	0	0
Interest Expenses	0	0	192,439	0
Depreciation Expenses	0	0	476,772	0
Total Other Expenses	0	0	669,211	0
Income Before Interest & Income Taxes	0	2,080,521	268,954	(7,791)
Less: Membership Interest	0	2,690	0	0
Less: Income Taxes				
Current Income Taxes	0	236,050	0	0
Deferred Income Taxes	0	(788,604)	0	0
Total Income Taxes	0	(552,554)	0	0
Net Income (Loss)	0	1,530,657	268,954	(7,791)

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
For The Test Year Ended December 31, 2018 And The Prior Year Ended December 31, 2017  
Subsidiary Net Income (Loss)

NCUC Form E-1  
E1 Item 18b 5

<u>Company (% Voting Stock Owned)</u>	<u>Dec-18</u>	<u>Dec-17</u>
Capitan Corporation (100%)	(110)	0
CaroFund, Inc. (100%)	56,392	1,530,657
CaroHome, LLC (99%)	7,338,696	266,264
Powerhouse Square, LLC (99.9%)	(550)	(7,791)

Notes

- No dividends were received from subsidiaries.
- Subsidiary income (loss) is reflected in the DEP, LLC Income Statement in Other Income / Loss.



Duke Energy Progress, LLC  
Docket E-2, Sub 1219  
For the 12 Months Ending December 2017 and December 2018  
Investments In Subsidiaries - Officers

NCUC Form E-1  
E1 Item 18b 6

The officers of the Duke Energy Progress, LLC subsidiaries listed are currently employed by Duke Energy Business Services (DEBS). Their costs, including compensation and other expenses, are billed to Duke Energy Progress, LLC affiliates under the 2018 Cost Allocation Manual which has been filed with the North Carolina Utilities Commission. The subsidiaries listed do not receive billings for these officers as their work for the subsidiaries is not significant.

Duke Energy Progress, LLC also has majority interest in Powerhouse Square, LLC but no Duke Energy Progress, LLC employees are officers in this interest.

Capitan Corporation

<u>2017</u>	<u>Position</u>
Cox, E. Christopher	Assistant Secretary
Currens Jr., William E.	Controller
De May, Stephen G.	Treasurer and Senior Vice President, Tax
Duffy, Kris C.	Assistant Treasurer
Earley, Robert J.	Vice President
Mack, Karol P.	Secretary
Monroe III, Thomas Cooper	Vice President, Tax
Purser, Martha S.	President
Sullivan, III, John L.	Assistant Treasurer
Wright, Nancy M.	Assistant Secretary

<u>2018</u>	<u>Position</u>
Cox, E. Christopher	Assistant Secretary
Hendershott, Michael S.	Assistant Treasurer
Jacobs, Dwight L.	Controller
Mack, Karol P.	Secretary
Monroe III, Thomas Cooper	Vice President, Tax
Newlin, Karl W.	Treasurer
Purser, Martha S.	President
Sullivan, III, John L.	Assistant Treasurer
Wright, Nancy M.	Assistant Secretary

Duke Energy Progress, LLC  
Docket E-2, Sub 1219  
For the 12 Months Ending December 2017 and December 2018  
Investments In Subsidiaries - Officers

NCUC Form E-1  
E1 Item 18b 6

Carofund, Inc.

<u>2017</u>	<u>Position</u>
Cox, E. Christopher	Assistant Secretary
Currens Jr., William E.	Controller
De May, Stephen G.	Treasurer and Senior Vice President, Tax
Duffy, Kris C.	Assistant Treasurer
Earley, Robert J.	Vice President
Mack, Karol P.	Secretary
Monroe III, Thomas Cooper	Vice President, Tax
Purser, Martha S.	President
Sullivan, III, John L.	Assistant Treasurer
Wright, Nancy M.	Assistant Secretary

<u>2018</u>	<u>Position</u>
Cox, E. Christopher	Assistant Secretary
Hendershott, Michael S.	Assistant Treasurer
Jacobs, Dwight L.	Controller
Mack, Karol P.	Secretary
Monroe III, Thomas Cooper	Vice President, Tax
Newlin, Karl W.	Treasurer
Purser, Martha S.	President
Sullivan, III, John L.	Assistant Treasurer
Wright, Nancy M.	Assistant Secretary

CaroHome, LLC

<u>2017</u>	<u>Position</u>
Cox, E. Christopher	Assistant Secretary
Mack, Karol P.	Secretary
Monroe III, Thomas Cooper	Vice President, Tax
Purser, Martha S.	President
Sullivan, III, John L.	Assistant Treasurer
Wright, Nancy M.	Assistant Secretary

<u>2018</u>	<u>Position</u>
Cox, E. Christopher	Assistant Secretary
Hendershott, Michael S.	Assistant Treasurer
Jacobs, Dwight L.	Controller
Mack, Karol P.	Secretary
Monroe III, Thomas Cooper	Vice President, Tax
Newlin, Karl W.	Treasurer
Purser, Martha S.	President
Sullivan, III, John L.	Assistant Treasurer
Wright, Nancy M.	Assistant Secretary

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 19

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Request:

None

Response:

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test year ended December 31, 2018

Item No. 20

☐ CONFIDENTIAL

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**Request:**

Provide the following information with regard to uncollectible accounts for the test year and the five preceding calendar years (taxable year acceptable) for electric operations only:

- a. Reserve account balance at the beginning of year.
- b. Charges to reserve account (accounts charged off).
- c. Credits to reserve account.
- d. Current year provision.
- e. Reserve account balance at the end of the year.
- f. Percent of provision to total revenue.
- g. An explanation of the method used to calculate the annual uncollectible provision.

**Response:**

See attached "DEP Rate Case E1-20 Uncollectible Accounts" .



DEP Rate Case  
E1-20 Uncollectible ,

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
NCUC Form E-1 Data Request  
For the test period ended December 31, 2018

Item No. 20  
Analysis of Uncollectible Accounts

Items A - G	2013	2014	2015	2016	2017	2018
a) Retail reserve account balance - Beginning Of The Year	\$ 3,550,412	\$ 4,701,909	\$ 4,645,329	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000
b) Charges to reserve account	(10,899,360)	(30,273,641)	(31,484,362)	(38,977,854)	(16,389,635)	(23,027,463)
c) Credits to reserve account	3,149,299	19,612,314	19,559,938	32,308,310	9,915,103	13,631,928
d) Current year provision	8,901,558	10,604,748	12,279,095	6,669,543	6,474,532	9,395,535
e) Retail reserve account balance - End Of The Year	\$ 4,701,909	\$ 4,645,329	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000
Total Billed Revenues	\$ 3,821,558,092	\$ 3,913,817,512	\$ 3,968,797,670	\$ 3,878,795,275	\$ 3,709,601,970	\$ 4,181,118,691
f) Percent of provision to Total Billed Revenues	0.123%	0.119%	0.126%	0.129%	0.135%	0.120%

g) DE Progress analyzes the loss reserves for customer accounts receivable on a monthly basis. The methodology is based on a historical 6 months average percentage of receivables and projected 4 months write-offs from the billing system which is then used to calculate an expected loss reserve. DE Progress utilizes historical and forecasted data to calculate the loss reserves and to test for reasonableness. DEP has historical balances of receivables, write-offs, and loss reserves as well as a model of forecasted write-offs and reserves to analyze for the calculation. On a quarterly basis DE Progress reviews the aging schedules and work with A/R Operations team to determine any unusual changes or fluctuations in collections and write-offs. Based on these reviews DE Progress determines if the balance in the loss reserve is reasonable as stated or if an adjustment is required. The summary aging information, balance of the loss reserve, and current write-offs compared to forecasted year over year are then summarized in a quarterly data request that is reviewed by management.

Item No. 21

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

☐ **CONFIDENTIAL**

☒ **NOT CONFIDENTIAL**

**Request:**

Provide the most recent annual report to stockholders, latest 10 year statistical supplement (if available), and subsequent quarterly reports to stockholders, or all such reports since the last general rate case filing.

**Response:**

See the most recent annual report to shareholders (for 2018) attached. Note that beginning in 2018, information previously included in the Statistical Supplement is now included in the quarterly Earnings Release. As such, please see the quarterly earnings release and form 10-Q filings provided to investors, which are attached.



**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 14**

☐ CONFIDENTIAL

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**Request:**

Prepare a complete detailed lead-lag study for the test year for total company electric. North Carolina retail, other retail jurisdictions, and FERC wholesale including all workpapers in support thereof.

Note: Nantahala Power and Light Company is not subject to this requirement.

**Supplemental Response:**

As a result of the revised 2020 Lead/Lag Study filed with the Supplemental Testimony of Shana W. Angers, the following files have been revised:

- Revised DEP Summary and Lead Lag Schedules NC 1 SCP 2018 PB COS.xls



Revised DEP  
Summary and Lead L

- E&Y Duke Lead Lag Report – DEP 2020.pdf



E&Y Duke Lead Lag  
Report - DEP 2020.p

- Revised E&Y Duke Lead Lag Report\_Summary and Revenue and Expense Lead Lag.xlsx



Revised E&Y Duke  
Lead Lag Report \_Su

Duke Energy Progress, LLC  
Docket No. E-2, Sub 1219  
Cash Working Capital for NC Retail Operations - Lead Lag Summary  
For the test period ended December 31, 2018  
Summer CP Demand Allocation with MINIMUM SYSTEM

Supplemental E-1 Item 14

Line No.		NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
1	Total Revenue Lag	(3,657,503,448)	42.13	(154,105,864,564)
2	Operation and Maintenance Expense	2,091,224,112	33.30	69,630,311,534
3	Depreciation and Amortization	669,787,484	0.00	0
4	Taxes Other Than Income Taxes	102,197,044	132.70	13,561,920,134
5	Interest on Customer Deposits	7,970,989	137.50	1,096,011,021
6	Income Taxes	112,986,202	(20.60)	(2,327,336,581)
7	Investment of Tax Credit	(2,133,914)	0.00	0
8	Net Operating Income	675,471,531	27.48	18,562,553,881
9	Total Requirements	3,657,503,448	27.48	100,523,459,988
10	Revenue Lag Days		42.13	
11	Requirement Lead Days		27.48	
12	Net Lag Days		14.65	
13	Daily Requirements		10,020,557	
14	Cash Working Capital Requirements		146,801,108	
15	Working Capital Related to NC Sales Tax		4,759,823	
16	Total Cash Working Capital Requirements		151,560,932	
17	Calculation of Total Company and Jurisdictional Amounts:			
18	NC Retail: Cash Working Capital allocated at NB_PLT Factor		67.0949%	
19	Total Company Cash Working Capital Requirements (L16 / L18)		225,890,470	
20	NC Retail Factor		67.0949%	
21	SC Retail Factor		10.0953%	
22	Total Wholesale Factor		22.8098%	
23	Total (Sum L20 through L22)		100.0000%	
24	NC Retail Cash Working Capital Requirement (L19 x L20)		151,560,932	
25	SC Retail Cash Working Capital Requirement (L19 x L21)		22,804,337	
26	Total Wholesale Cash Working Capital Requirement (L19 x L22)		51,525,202	
27	Total Company Cash Working Capital Requirement (Sum L24 through L26)		225,890,470	

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Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	System YTD Dec 2018	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
	1	<b>OPERATING REVENUES:</b>					
	2						
	3						
Calc	4	Service Lag				15.21	A
	5	Billing Lag		(4,156,399,663)	(3,563,165,280)		
1	6	Total Retail Sales & Billing Lag		(24,719,022)	(24,719,022)	1.66	A
	7	Revenue - REPS					
	8		0440.99, 0442.19,				
	9	Unbilled Revenue	0442.29, 0444.99, 0445.09	13,507,473	12,096,317		
2	10	Collection Lag				25.01	A
	11						
	12	Total Revenue Lag Elec Delivery Rate Schedule (Ln 11 + 17)		(4,167,611,212)	(3,575,787,985)	41.88	
	13						
3	14	Total Revenue Lag Sales for Resale		(1,511,358,381)	(134,915,331)	33.73	A
	15	Provisions For Rate Refunds	0449	118,958,671	104,545,765	41.88	B
	16	Total Sales of Electricity (L12 through L14)		(5,560,010,922)	(3,606,157,551)	41.57	
	17						
	18	<b>Other Revenues:</b>					
	19	Forfeited Discounts	0450100, 0450200	(8,582,371)	(7,663,772)	72.30	A
	20	Miscellaneous Revenues	0451100	(6,165,627)	(5,505,700)	76.00	
4c	21	RENT - (454) - DIST PLT REL		(5,124,157)	(4,465,630)	41.63	
4d	22	RENT - (454) - DIST POLE RENTAL REV		(12,960,572)	(10,901,069)	182.00	
4d	23	RENT - (454) - TRANS PLT REL		(639,579)	(381,636)	41.63	
4d	24	RENT - (454) - ADD FAC - WHIS		(2,806,145)	0	0.00	
4d	25	RENT - (454) - ADD FAC - RET X LIGHTING		(5,162,072)	(4,617,085)	41.63	
4d	26	RENT - (454) - ADD FAC - LIGHTING		(4,184,534)	(3,848,777)	41.63	
4d	27	RENT - (454) - OTHER		(5,086,652)	(3,412,883)	68.21	
	28	OTHER ELEC REV (456) - PROD PLT REL		(1,924,556)	(1,184,137)	41.88	
	29	OTHER ELEC REV (456) - TRANS REL		(10,403,096)	(6,207,517)	41.88	
	30	OTHER ELEC REV (456) - GEN PLT REL		0	0	41.88	
	31	OTHER ELEC REV (456) - WH D/A		(55,825,581)	0	41.88	
	32	OTHER ELEC REV (456) - OTHER		(548,940)	(368,310)	41.88	
	33	OTHER ELEC REV (456) - REPS		(1,114,245)	(1,114,245)	41.88	
	34	OTHER ELEC REV (456) - OTHER ENERGY		0	0	41.88	
	35	OTHER ELEC REV (456) - DIST PLT REL	0456630	(1,611,605)	(1,404,491)	41.88	
	36	REV - OTHER NC RETAIL SPECIFIC		(270,645)	(270,645)	41.88	
	37	Total Other Revenues (L19 through L36)		(122,410,378)	(51,345,897)	81.51	
	38						

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Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	System YTD Dec 2018	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
	39	<b>Utility Oper Revenues (L16 + L37)</b>		(5,682,421,300)	(3,657,503,448)	42.13	(154,105,864,564)
	40	ELECTRIC OPERATING REVENUE		5,682,421,300	3,657,503,448		
	41						
	42	<b>OPERATION AND MAINTENANCE EXPENSE:</b>					
	43						
	44	<b>Fuel Used in Electric Generation</b>					
5 + 6	45	OM Prod Energy - Fuel		1,410,621,869	863,120,481	28.49	24,588,906,214
	46	RECS Consumption Expense		18,521,748	18,521,748	28.49	527,654,628
	47	<b>Fuel Used in Elec Gen (HFM Greenbook I/S)</b>	F_FUEL_USED_ELEC_GEN	1,429,143,617	881,642,228	28.49	25,116,560,842
7	48						
	49	OM PROD PURCHASES - CAPACITY COST		109,348,837	67,279,932	30.29	2,037,909,147
	50	OM PROD PURCHASES - ENERGY COST		597,919,200	365,384,360	30.29	11,067,492,256
	51	OM DEFERRED FUEL EXPENSE	0557980	(316,590,958)	(273,901,174)	28.49	(7,803,001,349)
	52	Purchased Power (Acct 555) + Def Fuel (Acct 557)	0555XXX	390,677,079	158,763,118	33.40	5,302,400,054
	53						

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Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	System YTD Dec 2018	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
9	54	<b>Total Other O&amp;M Excluding Fuel and Purchased Power</b>					
	55						
	56	Total Labor Expense		649,874,113	430,294,724	37.07	15,951,025,410
8	57						
	58	Pension and Benefits	0926XXX	115,350,507	76,270,687	13.97	1,065,501,492
10	59						
	60	Regulatory Commission Expense	0928000	8,592,296	7,037,696	93.25	656,265,126
11	61						
	62	Property Insurance	0924XXX	(774,442)	(525,984)	(222.30)	116,926,247
15	63						
	64	Injuries & Damages - Workman's Compensation	0925980	290,241	197,125	0.00	-
	65						
	66	Uncollectible Accounts	0904000, 0904001	10,008,548	8,937,301	0.00	-
	67						
	68	Remaining Other Oper & Maint Expense		763,377,394	528,607,218	40.52	21,421,633,363
	69						
	70	Total O&M Excl. Fuel and Purch. Power		1,546,718,656	1,050,818,766	37.32	39,211,350,637
71	71						
	72	<b>Total Operation and Maintenance Expense (L47 + L52 + L70)</b>		<b>3,366,539,352</b>	<b>2,091,224,112</b>	<b>33.30</b>	<b>69,630,311,534</b>
73	73						
	74	Total Depreciation & Amortization & Property Loss		1,060,260,424	669,787,484	0.00	-
75	75						
	76	<b>Taxes Other Than Income Taxes</b>					
	77	Payroll Taxes		39,721,091	26,288,326	48.41	1,272,617,860
9	78	Property Tax		101,157,752	68,132,745	186.50	12,706,756,958
13	79	FED HEAVY VEHICLE USE TAX		61,024	48,458	0.00	-
	80	ELECTRIC EXCISE TAX - SC		2,222,093	0	0.00	-
	81	PRIVILEGE TAX		16,355,581	12,243,595	(11.97)	(146,555,834)
13	82	MISC TAX - NC		-6,034,064	-4,517,029	60.00	(27,021,743)
	83	MISC TAX - SC & OTHER STATES		-165	949	129.46	122,893
	84	PUC LICENSE TAX - SC		-121,100	0	0.00	-
	85	Taxes Other Than Income Taxes		153,362,212	102,197,044	132.70	13,561,920,134
16	86						
	87	Total Interest on Customer Deposits		8,642,928	7,970,989	137.50	1,096,011,021
14	88						
	89	Federal Income Tax		(66,292,963)	(49,091,019)	44.75	(2,196,823,118)
14	90	State Income Tax		(3,938,471)	(2,916,502)	44.75	(130,513,463)
	91	Income Tax - Deferred		220,852,977	164,993,723	0.00	-
	92	Net Income Taxes		150,621,543	112,986,202	(20.60)	(2,327,336,581)
93	93						
	94	Investment of Tax Credit Adj Net	04114XX	(3,355,660)	(2,133,914)	0.00	-

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Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	System YTD Dec 2018	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
	95						
	96	<b>Total Utility Operating Expenses (L72 + L74 + L85 + L87 + L92 + L94)</b>		<u>4,736,070,798</u>	<u>2,982,031,917</u>	27.48	<u>81,960,906,108</u>
	97						
	98	Interest Expense for Electric Operations		315,465,770	211,661,368	87.70	18,562,553,881
	99	Income for Equity Return (L100 - L139)		<u>630,884,732</u>	<u>463,810,163</u>	0.00	-
	100	Net Operating Income		946,350,502	675,471,531	27.48	18,562,553,881
	101						
	102	<b>Total Requirements (L96 + L100)</b>		5,682,421,300	3,657,503,448	27.48	100,523,459,988
	103						
	104						
	105	<b>Cash Working Capital Related to NC Sales Tax</b>		4,759,823			

**Tickmark Legend**

- A** Lead/lag days was obtained from Lead/Lag study performed by Ernst & Young. See the Appendix in the Duke Lead Lag Report - DEP file.
- B** Revenue refund will be returned through another mechanism; number set to Revenue Lag Days to eliminate effect on Cash Working Capital.
- C** Lead/lag days for fuel is being used for this line item to facilitate elimination of this item with the adjustments to cash working capital being proposed in this rate case.
- D** Remaining O&M for 2018 includes both nuclear fees and other O&M lines from the 2017 lead/lag study. Lead/lag days reflected is the weighted average of the amounts for those line items from the 2017 study.
- E** This expense category is a new breakout for 2018. Lead/lag days was determined based on review of activity for 2018. A majority of the balance is related to a refund which was accrued in March and received in May. As such, a 60 day lag seems reasonable.
- F** See 2017 Interest Lead Days tab for calculation.
- G** Cash Working Capital Related to NC Sales Tax for 2018 was calculated on Schedule 17.



# Duke Energy Progress, LLC

## Lead Lag Study

March 11, 2020

Mar 13 2020

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Charlotte, NC 28202

Tel: +1 704 372 6300  
ey.com

March 11, 2020

Abbe Greenfield  
Rate Case Planning & Execution, Duke Energy Progress, LLC  
526 South Church Street  
Charlotte, NC 28202

Mrs. Greenfield:

We have completed our procedures with respect to analyzing a detailed lead lag study for Duke Energy Progress, LLC ("the Company" or "DEP") focused on retail operations in the state of North Carolina. Our procedures were performed in accordance with our Statement of Work, dated April 19, 2018. Our report consists of three parts. We summarize our scope, approach, and findings in a narrative executive summary. We present our detailed findings in a schedule that provides the lag and lead days by revenue and expense component used by DEP in its cost of service filings; and we include an appendix that provides the Company's summary calculations.

The information provided in this report is intended to be used to support the Company's request for a Cash Working Capital allowance to be included in the Company's requested rate base to be authorized by the North Carolina Utility Commission. The report is not intended to be, and should not be, used without our prior written consent by any other party or for any other purpose. Our calculations relied on underlying accounting information provided by the Company. We did not audit that underlying accounting information.

We value the opportunity to work with you and appreciate the cooperation and assistance provided. We would be pleased to discuss any aspect of our work or this report with you or other members of management at your convenience. If you have questions, please call Jake Van Reen at (617) 375-2446.

Thank you,

Jake Van Reen

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## Executive Summary

### 1.1. Organization of Report

This report is composed of three parts: Executive Summary, Detailed Findings, and Appendix.

The Executive Summary provides background on the engagement, the purpose and scope of the lead lag study, the standards applied and the relation to previous studies, and a discussion of key findings.

The Detailed Findings are provided in a DEP Lead Lag Summary schedule contained within E-1 Item 14. This schedule provides the lag and lead days by revenue and expense component used by the Company in its cost of service filings. The summary was agreed to the underlying supporting schedules.

### 1.2. Background

Duke Energy ("Duke") engaged Ernst & Young ("EY") to support the preparation of a lead lag study for Duke's retail operations in the state of North Carolina. The study will be used to support the Company's request for a Cash Working Capital allowance to be included in the requested rate base. This report presents the methodology and approach used in the study and the results covering the twelve-month period ending December 31, 2017, subject to known changes.

The Company last presented a lead lag study to the North Carolina Utility Commission ("NCUC" or the "Commission") for the twelve-month period ending December 31, 2010. This report presents the lead lag study in the same general format and applies the same methodologies where applicable. Since that time, there are assumed to have been no significant changes in the operating and regulatory environments that would materially affect the calculation of the Cash Working Capital requirements. To confirm this assumption, EY interviewed Duke personnel and a contractor responsible for compiling the study. EY also compared certain of the Company's financial statements and riders to DEP's regulatory requirements for the same purpose.

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1.3. Changes from report dated July 22, 2019 and filed on October 30, 2019

Total Cash Working Capital Requirements decreased by \$7.4M as compared to the previously filed report.

Cash Working Capital Requirements decreased due to the following adjustments:

- Payroll deductions and payroll taxes – Within payroll deductions and payroll taxes, amounts related to incentive compensation were identified. The service period related to these amounts was adjusted to correspond to the service period for incentive compensation. Adjustments to payroll deductions result in a (\$5.4M) decrease, while adjustments to payroll taxes result in a (\$2.5M) decrease.

Cash Working Capital Requirements increased due to the following adjustments:

- O&M Fuel expense – The company updated the contract allocation percentages for coal delivery contracts, updating the weighting applied to different contract payment terms. This adjustment results in a \$275K increase.
- Regulatory commission expense – Regulatory commission expense related to the South Carolina PSC was included in the original study. Removing this item resulted in a \$149K increase.
- Pension and benefits – For account 1B410 (Undergrad Tuition Reimbursement), the payment date was adjusted for a January payment. This adjustment results in a \$42K increase.

1.4. Cash Working Capital

1.4.1. Purpose of lead lag study

The lead lag study is designed to measure the average amount of capital, over and above the investments in plant, and other separately identified rate base items, provided by investors, to bridge the gap between the time expenditures are required to provide service and the time collections of revenues are received for the service. This quantity is referred to as Cash Working Capital. Cash Working Capital is more comprehensive than simply financing the lag between Company payments and receipts, as investor capital is required to finance the lag in the recovery of the entire cost of service, including depreciation and cost of capital.

#### 1.4.2. Cash Working Capital requirement

A requirement for Cash Working Capital represents the amount necessary to provide the utility with an opportunity to appropriately earn an authorized return on all capital invested in utility operations. Unless all capital supplied by investors has that opportunity, investors will not be fully compensated for the capital supplied and the objective of the Cash Working Capital requirement will not be met. Consequently, the key test of the adequacy of the Cash Working Capital requirement should be whether the inclusion of such an amount, when added to net utility plant and other items includible in the rate base, will produce a fair representation of the capital on which there should be an opportunity to earn a return.

#### 1.4.3. Lead lag study methodology

To the extent applicable, this study tracks the methodology used in the previous rate filings of the Company and decisions of the NCUC.

The lead lag study measures the difference in time frames between: (1) when service is rendered and the revenue for that service is received ("revenue lag"); and (2) when the costs of providing service are incurred (including costs of fuel and purchased power, labor, materials, services, etc.) and the time for which those costs are paid ("expense lead"). The difference between these lag periods is expressed in terms of days. The calculated number of days, multiplied by the average daily operating revenues or cost of service, produces the Cash Working Capital required by the Company.

To fully identify Cash Working Capital requirements, there are additions and deductions to the amount calculated in the lead lag study. This is done to adjust for items not accounted for in rate base. For example, we must add operational cash requirements and add or deduct any other requirements for, or sources of, Cash Working Capital (such as prepayments, reserves, and items capitalized prior to payment). In previous rate case proceedings, these adjustments have been considered separately from the lead lag study, so they are not considered in this report.

#### 1.4.4. Results of lead lag study for DEP retail electric operations

The following section provides a summary of the most significant revenue lags and expense leads calculated. Additional detailed identification of the calculated revenue lags and expense

leads is included in the attached schedule entitled E-1 Item 14 (“the summary schedule”).

1.5. Revenue Lag

The revenue lag measures the time between service delivery to customers and the collection of revenue for service from customers. For the year ending December 31, 2017, the majority of North Carolina retail jurisdictional revenue was received from cycle billed customers (customers billed on a periodic basis) and the large customer billing groups.

The revenue lag for these services is the sum of three components: (i) service lag, (ii) billing lag and (iii) collection lag.

The first component is service lag. The Company reads the meters on a monthly basis; therefore the average time between meter reads is 30.42 days (365 days in a year divided by 12 monthly meter reads). Dividing by two provides the midpoint in time, or the average time between when service is provided and the meter read, for a service lag of 15.21 days. (See summary schedule line 4.)

The second component of the total revenue lag is billing lag, the time from the meter reading to when the customer is billed and the bill is posted in the Company's accounts receivable system. Most customers are billed the next business day after the meter reading. Taking into account weekends and holidays, the calculation of the total billing lag is 1.66 days. (See summary schedule line 6.) This amount differs from the previous study, which deemed the billing lag to be at approximately half a day, as the previous study did not account for weekends and holidays.

The third component of the total revenue lag is the collection lag, the period from the billing date to the time the customer pays their bill (i.e., the date cash payments are credited on the accounts receivable records). This component of the revenue lag is measured by dividing average daily accounts receivable (based on a thirteen-month average) by average daily sales. Collection policies for retail operations in North Carolina are governed by NCUC rules. We calculated the collection lag to be 25.01 days. (See summary schedule line 10.)



Adding these three components together produced a total lag of 41.88 days in the collection of revenues for services provided to cycle-read and large customer billing group customers on electric delivery rate schedules. (See summary schedule line 12.)

EY did not factor in the potential impact of float. The Company experiences two float periods - the time from when funds are received from customers until the funds clear the banks, and the time between when the Company sends a check to pay for services and when those checks are deposited. In the first instance, the Company's cash requirements are increased by the float (i.e. funds are not actually available until after the deposits clear). However, in the second instance, the Company's cash requirements are reduced by the float. Given the relative levels of electronic funds transfers in the Company's payments versus in its receipts, we are confident that the float for revenue is larger than the float for expense. Accordingly, excluding float in this instance is a conservative assumption that would not harm the ratepayer.

In addition to the above, the Company records a variety of additional and miscellaneous revenues which are also applicable to the North Carolina retail jurisdiction. These include intersystem sales for resale, forfeited discounts, rental income, and other electric revenue. To calculate the overall average revenue lag, we calculated the revenue lags for each of the additional and miscellaneous revenues. The total revenue lag for DEP is 42.33 days. (See summary schedule line 38.)

1.6. Expense lead

There are several major categories of expense including:

- O&M Fuel
- O&M Purchased Power
- Other Specifically Identified O&M
- Other O&M Sampled
- Depreciation and Amortization
- Taxes other than Income
- Interest on Customer Deposits
- Income Taxes
- Net Operating Income

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- Cash Working Capital impacts of Pass Through items

Each of the above are described in more detail below.

#### 1.6.1. O&M Fuel

O&M Fuel costs consist of coal, oil, and natural gas purchases. Fuel is the largest cost category, accounting for approximately 23% of the cost of service for the year ending December 31, 2017. Coal includes two major cost components: coal commodity purchases and coal transportation costs. The cost of coal purchases and transportation are inventoried and, by NCUC precedent, coal fuel inventories are included in rate base. However, the Cash Working Capital requirement must recognize the cash available to the Company stemming from the time between receipt of coal and the subsequent payment of the fuel or transportation invoice.

DEP receives thousands of coal deliveries at its coal generating stations each year. DEP employs the following coal payment terms: (i) contract deliveries made between the 1<sup>st</sup> and 15<sup>th</sup> of the current month are paid by the 30<sup>th</sup> of the current month or contract deliveries made between the 16<sup>th</sup> and 31<sup>st</sup> of the current month are paid by the 15<sup>th</sup> of the following month (22.5 days); (ii) contract deliveries made between the 1<sup>st</sup> and 15<sup>th</sup> of the current month are paid by the 25<sup>th</sup> of the current month or contract deliveries made between the 16<sup>th</sup> and 31<sup>st</sup> of the current month are paid by the 10<sup>th</sup> of the following month (17.5 days); (iii) contract deliveries made between the 1<sup>st</sup> and 31<sup>st</sup> of the current month are paid by the 30<sup>th</sup> of the following month (45 days); (iv) contract deliveries made between the 1<sup>st</sup> and 15<sup>th</sup> of the current month are paid by the 10<sup>th</sup> of the following month or contract deliveries made between the 16<sup>th</sup> and 31<sup>st</sup> of the current month are paid by the 25<sup>th</sup> of the following month (32.5 days); and (v) contract deliveries paid 10 days after ship date (10 days). Vendor contracts require DEP payments to be received by the noted due date.

DEP employs the following vendor coal transportation contract terms: (i) coal freight payments 15 days after the ship date (15 days); (ii) coal freight received between the 1<sup>st</sup> and 15<sup>th</sup> of the current month are paid by the 30<sup>th</sup> of the current month or coal freight received between the 16<sup>th</sup> and 31<sup>st</sup> of the current month are paid by the 15<sup>th</sup> of the following month (22.5 days).

A small amount of oil is also used as a fuel for generation. Natural gas made up a large portion of the generation fuel. Unlike coal or oil, natural gas is not stored and inventoried, rather it is

purchased as it is used to generate electricity. Therefore, the expense lag for natural gas is computed conventionally as the difference between the service period and the date of payment. Since Duke is not storing natural gas to be used for generation, the service period is considered to be the mid-point of the billing period from the gas supplier, and the payment date is simply the date of payment.

The O&M Fuel expense lead for coal, oil and natural gas is 28.49 days. (See summary schedule line 44.)

1.6.2. O&M Purchased Power

DEP provided a listing of all transactions for each Purchased Power account. We weighted the individual invoices by dollar amount, resulting in an overall expense lead of 68.18 days. (See summary schedule line 51.)

1.6.3. Other Specifically Identified O&M

Other specifically identified O&M categories include the following accounts:

- O&M Labor and Benefits
- Uncollectible Accounts
- Regulatory expenses
- Nuclear Fees
- Property Insurance expenses

Labor and Benefits comprised approximately 11% of the cost of service for the year ending December 31, 2017. Labor costs fall into three categories: net payroll, deductions from payroll, and taxes. In turn, the Company's payroll consists of two primary categories, semi-monthly payroll and bi-weekly payroll, with lesser amounts of incentive pay. We identified each pay period and the payment dates corresponding to that pay period. Similarly, for payroll related deductions we identified when the payments were made for each deduction type corresponding to each pay period, including identifying the deductions related to incentive compensation. We performed similar analyses on taxes, looking at pay periods the taxes applied to and when the tax payments were made, including identifying the taxes related to incentive compensation.

Uncollectible Accounts expenses result from the timing of the write-off of customer accounts receivable as uncollectible. By NCUC practice, these expenses are valued at zero days expense lead. (See summary schedule line 57.)

We calculated expense lead days for Regulatory, Nuclear Fees, and Insurance expenses by analyzing service periods, payment amounts and payment patterns. By its nature, Regulatory expense is a quarterly or annual expense and tends to have a longer lead period. For the twelve months ending December 31, 2017, the expense lead for Regulatory Commission expense was 93.25 days. (See summary schedule line 63.) Nuclear fees have a calculated expense lead of (34.66) days. (See summary schedule line 59.)

Property Insurance expenses are payments for policies. By their nature, insurance policies are paid prior to the service period for coverage and have a negative expense lead. For the twelve months ending December 31, 2017, the expense lead for Property Insurance was (222.30) days. (See summary schedule line 65.)

#### 1.6.4. Other O&M Sampled

To determine the expense lead for Other O&M not specifically analyzed (summary schedule line 69), the Company provided EY with a listing of cash disbursements for the twelve-month period ending December 31, 2017. We removed records for capital costs, non-electric O&M costs, and any costs already analyzed, resulting in a sample population consisting of \$497,471,687 and 22,967 rolled vouchers. (Note: there were over 214,000 records, but multiple disbursements were made on the same voucher; since the voucher was the unit sampled, the records were rolled up to the voucher level). From that population, a stratified random sample in nine strata, based on the invoice dollar amount, was selected (260 total selections) for sample testing. For each item sampled, the supporting documentation was obtained and analyzed. For purposes of the analysis, service period information was either provided by Duke based on the supporting documentation or, in instances where the service period was not available, the invoice date was provided. The paid dates utilized in the analysis were taken from the Company's payables ledger.

The estimated weighted average expense lead calculated from the sample was 44.01 days, plus or minus 4.96 days with 90% confidence. This contrasts to the 32.65 days calculated for the

Other O&M sample from the previous lead lag study. When asked about the increase in days, the client informed us that Duke has 45-day payment terms, and has been following these more closely than previously. EY used statisticians to sample the Other O&M population.

In addition, approximately 1% of the Other O&M costs are employee expenses. These were included in our sample, and we calculated the average lead lag days based on the credit card payment dates. All credit cards have the same monthly service period and payment date. As a result, these were not sampled. Rather the expense lead was calculated as the average time from the midpoint of the service period to the payment date.

#### 1.6.5. Depreciation and Amortization

Expenses for Depreciation and Amortization are the result of prior cash transactions that are not initially charged to expense. A zero lag is applied because the expense is deducted from rate base when the expense is recorded. By way of example, investors supply cash for capital investments such as plant assets. A cash transaction occurs when a plant asset is acquired. The plant asset is included in rate base and the cash investment earns a return until depreciation expense is recorded. When depreciation expense is recorded, the amount of the expense is removed from rate base and the expense becomes recoverable in cost of service. However, the cash is not recovered until revenues are collected (e.g., after the revenue lag). Thus, depreciation expense is included in the lead lag study with a zero expense lead to provide a return for the period from when the depreciation expense is booked and removed from rate base until it is recovered from revenues. (See summary schedule line 75.)

#### 1.6.6. Taxes other than Income

Expense leads for Taxes other than Income Taxes consider the timing between tax assessments, and the related service period. Some taxes are paid after a significant portion of the service period has occurred. Overall the average expense lead for Taxes other than Income for the period ending December 31, 2017 was 129.46 days. (See summary schedule line 84.) Per the 2010 lead lag study, the average expense lead on Taxes other than Income was 62.90. The increase in the number of days is largely the result of a tax reform occurring in 2014, which had a considerable impact on Privilege or Franchise Tax. These taxes were previously paid shortly after the service period. This rapid payment had previously offset the impact of property taxes, which are paid nearly a year after the service period begins.



#### 1.6.7. Interest on Customer Deposits

Interest is credited to customers who are required to maintain deposits, and the interest is paid either when the deposit is returned or at periodic intervals. The expense lead on customer deposits is 137.50 days. (See summary schedule line 86.)

#### 1.6.8. Income Taxes

Income Taxes have two major components, current and deferred Income Taxes. In turn, current Income Taxes include taxes for the current year and prior periods. The expense lead for current Income Taxes is the result of the statutory payment dates. Similar to the rationale for depreciation expense, the deferred tax expense lead is zero days because net deferred tax liabilities are deducted from rate base when the expense is recorded. The expense lead on Net Income Taxes is (11.49) days. (See summary schedule line 91.)

#### 1.6.9. Net Operating Income

Net Operating Income is the return on invested capital, just as depreciation expense is a return on invested capital. Like depreciation expense, a zero lag was assigned to Net Operating Income in recognition of the fact that the return is earned when the service is provided. (See summary schedule line 99.) Because the return is earned when the service is provided, it would be inappropriate to consider subsequent below the line treatment of Net Operating Income. Therefore, we did not further analyze the subsequent use of Net Operating Income for interest, dividends or reinvestment.

#### 1.6.10. Cash Working Capital impacts of Pass Through items

As noted, to fully identify the Cash Working Capital requirements, to the amount calculated in the lead lag study we must add operational cash requirements and add or deduct any other requirements for or sources of Cash Working Capital. One item the Company has not included elsewhere and is therefore considered here is pass through taxes. Pass through taxes are similar to Taxes other than Income except the payment is due from customers not the Company. The primary pass through tax is the North Carolina utility sales tax. The Company collects these pass through taxes from customers in their bills and pays the tax to the State. The tax is not a Company expense because the Company is merely a conduit of the payments from customers. But, to the extent the Company pays the tax before the funds are received

from customers, investors in the Company need to provide the cash to finance the time between payment and recovery. The impact on total DEP Cash Working Capital requirements due to the NC sales pass through tax is \$5,841,335. (See summary schedule line 104.)

## Conclusion

We have calculated the revenue lag days and expense lead days documented in the schedule described above. We have also tested the reasonableness of the results based on both a logical review of the revenue and expense items using business operating parameters, and on a comparison to historical results. Based on our analyses, we conclude that these revenue lag days and expense lead days are reasonable and calculated properly.

## Detailed Findings

The revenue lag and expense lead calculations developed in this study are overall quite similar when compared to the 2010 calculations, indicating there have been no significant changes in the operating and regulatory environments that would materially affect the overall calculation of the Cash Working Capital requirements. The calculated overall revenue lag calculated is 42.33 days versus 38.39 days in the prior study, reflecting a reasonably stable revenue lag.

On the expense side there appears to be more variability in the calculated expense leads among individual expense line items. However, the overall expense lead of 22.73 days is consistent with the 20.68 days in the prior study.

Among individual expense items, the expense lead for Taxes other than Income was considerably different. The current study calculated this lead at 129.46 days, versus 62.90 days previously. The increase in the number of lead lag days is largely the result of a 2014 tax reform, which had a significant impact to Privilege or Franchise Tax. These had previously offset the impact of property taxes.

As previously noted, the expense lead for Other O&M not separately analyzed increased to 44.01 days, due to stricter adherence to DEP's 45-day payment terms.

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The Cash Working Capital requirement is currently calculated at \$179.7 million. When factoring in NC Sales Tax, this amount increases to approximately \$185.5 million with rounding, representing a \$9.1 million increase from the previous study. This appears to be predominantly driven by a longer revenue lag. The daily requirement decreased from the 2010 study, however the expansion of days for the revenue lag was larger than the expansion of days in the requirement lead. Additionally, pass through items increased tenfold from the previous study. Other Income Taxes had a minimizing effect by expanding the Requirement Lead Days, but the increase in revenue lag and pass through items requires a larger Cash Working Capital Requirement.

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Cash Working Capital Requirements for NC Retail Operations  
Lead Lag Summary  
For the Test Year Ended December 31, 2017

Line No.		NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
1	Total Revenue Lag	(3,347,347,114)	42.33	(141,692,605,927)
2	Operation and Maintenance Expense	1,828,010,618	35.41	64,732,835,164
3	Depreciation and Amortization	539,354,933	0.00	0
4	Taxes Other Than Income Taxes	100,773,052	129.46	13,046,430,859
5	Interest on Customer Deposits	8,712,804	137.50	1,198,010,503
6	Income Taxes	250,394,479	(11.49)	(2,876,315,948)
7	Investment of Tax Credit	(2,136,868)	0.00	0
8	Net Operating Income	622,238,096	0.00	0
9	Total Requirements	3,347,347,114	22.73	76,100,960,578
10	Revenue Lag Days		42.33	
11	Requirement Lead Days		22.73	
12	Net Lag Days		19.60	
13	Daily Requirements			9,170,814
14	Cash Working Capital Requirements			179,703,138
15	Working Capital Related to NC Sales Tax			5,841,335
16	Total Cash Working Capital Requirements			185,544,473

DE PROGRESS, LLC									
INCOME STATEMENT VALUES									
Support	Line	Total Utility Operating Revenue and Expense Line Description	Account	Total YTD Dec 2017	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount		
Sch #	No.								
	1	OPERATING REVENUES:							
	2								
	3								
	4	Service Lag				15.21			
	5	Billing Lag							
1	6	Total Retail Sales & Billing Lag		(3,664,874,922)	(3,130,222,728)	1.66			
	7	Revenue - REPS		(43,981,207)	(43,981,207)				
	8	Unbilled Revenue	0440.99, 0442.19, 0442.29, 0444.99,	(17,834,534)	(15,326,966)				
	9								
2	10	Collection Lag				25.01			
	11								
	12	Total Revenue Lag Elec Delivery Rate Schedule (Ln 11 + 17)		(3,726,690,663)	(3,189,530,901)	41.88	(133,572,238,249)		
	13								
3	14	Total Revenue Lag Sales for Resale		(1,257,931,461)	(98,547,668)	33.73	(3,324,012,842)		
	15	Provisions For Rate Refunds	0449100	-	-				
16	16	Total Sales of Electricity (L12 + L14)		(4,984,622,123)	(3,288,078,569)	41.63	(136,896,251,091)		
17	17								
	18	Other Revenues:							
	19	Forfeited Discounts	0450100, 0450200	(8,481,360)	(7,563,655)	72.30	(546,852,257)		
	20	Miscellaneous Revenues	0451100	(7,667,672)	(6,838,010)	76.00	(519,688,760)		
4	21	RENT - (454) - DIST PLT REL		(4,610,121)	(4,022,537)	41.63	(167,458,215)		
22	22	RENT - (454) - DIST POLE RENTAL REV		(14,715,792)	(12,301,943)	182.00	(2,238,953,626)		
4	23	RENT - (454) - TRANS PLT REL		(676,819)	(404,749)	41.63	(16,849,701)		
24	24	RENT - (454) - ADD FAC - WHLS		(3,290,570)	-	0.00	-		
4	25	RENT - (454) - ADD FAC - RET X LIGHTING		(6,228,691)	(5,640,043)	41.63	(234,794,990)		
26	26	RENT - (454) - ADD FAC - LIGHTING		(4,491,301)	(4,188,657)	41.63	(174,373,791)		
27	27	RENT - (454) - OTHER		(7,484,770)	(4,960,817)	68.21	(338,385,893)		
28	28	OTHER ELEC REV (456) - PROD PLT REL		(1,957,142)	(1,200,457)	41.88	(50,273,138)		
29	29	OTHER ELEC REV (456) - TRANS REL		(10,150,455)	(6,070,143)	41.88	(254,207,472)		
30	30	OTHER ELEC REV (456) - WH D/A		-	-	41.88	-		
31	31	OTHER ELEC REV (456) - GEN PLT REL		(62,938,028)	(3,944,012)	41.88	(165,168,670)		
32	32	OTHER ELEC REV (456) - OTHER		(5,950,637)	(178,392)	41.88	(7,470,760)		
33	33	OTHER ELEC REV (456) - REPS		(178,392)	-	41.88	-		
34	34	OTHER ELEC REV (456) - OTHER ENERGY		(2,240,720)	(1,955,129)	41.88	(81,877,563)		
35	35	OTHER ELEC REV (456) - DIST PLT REL		-	-	41.88	-		
4	36	Total Other Revenues (L19 through L35)	0456630	(141,062,469)	(59,268,545)	80.93	(4,796,354,836)		
37	37								
38	38	Utility Oper Revenues (L17 + L20 + L22 + L24 + L26 + L47 + L49 + L79)		(5,125,684,592)	(3,347,347,114)	42.33	(141,692,605,927)		
39	39	ELECTRIC OPERATING REVENUE		(5,125,684,592)	(3,347,347,114)				
40	40								
41	41	OPERATION AND MAINTENANCE EXPENSE:							
42	42								
	43	Fuel Used In Electric Generation							
5 + 6	44	OM Prod Energy - Fuel		1,251,419,297	762,662,565	28.49	21,727,022,694		
45	45								
46	46	Fuel Used In Elec Gen (EHM Greenbook I/S)	F_FUEL_USED_ELEC_GEN	1,251,419,297	762,662,565	28.49	21,727,022,694		
47	47								
48	48	OM PROD PURCHASES - CAPACITY COST		116,417,717	71,407,405	30.29	2,162,930,289		
49	49	OM PROD PURCHASES - ENERGY COST		415,529,536	252,829,602	30.29	7,658,209,782		
50	50	OM DEFERRED FUEL EXPENSE	0557980	(180,733,923)	(180,189,502)	0.00	-		
51	51	Purchased Power (Acct 555) + Def Fuel (Acct 557)	0555XXX	351,214,330	144,047,542	68.18	9,821,140,071		
52	52								

Duke Energy Progress, LLC  
Cash Working Capital Requirements for NC Retail Operations  
Lead Lag Summary  
For the Test Year Ended December 31, 2017

Support Sch #	Line No.	Total Utility, Operating Revenue and Expense Line Description	Account	Total YTD Dec 2017	NC Retail Jurisdictional Amount	Lead \ Lag Days	Weighted Amount
	53	Total Other O&M Excluding Fuel and Purchased Power					
	54	Total Labor Expense		562,409,999	366,460,746	37.07	13,584,699,854
	55	Uncollectible Accounts	0904000, 0904001	6,504,470	5,800,670	0.00	-
	56	Nuclear Fees in Acct 524	0524000	34,582,782	21,212,121	(34.66)	(735,212,115)
	57	Pension and Benefits	0926XXX	90,966,042	59,272,566	13.97	828,037,741
	58	Regulatory Commission Expense	0928000	7,127,626	5,592,954	93.25	521,542,961
	59	Property Insurance	0924XXX	7,696,581	5,184,875	(222.30)	(1,152,597,643)
	60	Injuries & Damages - Workman's Compensation	0925980	288,240	194,176	0.00	-
	61	Remaining Other Oper & Maint Expense		652,535,859	457,582,404	44.01	20,138,201,601
	62	Total O&M Excl. Fuel and Purch. Power		1,362,111,599	921,300,511	36.02	33,184,672,399
	63	Total Operation and Maintenance Expense (L46 + L51 + L71)		2,964,745,226	1,828,010,618	35.41	64,732,835,164
	64	Total Depreciation & Amortization & Property Loss		762,731,492	539,354,933	0.00	-
	65	Taxes Other Than Income Taxes					
	66	Payroll Taxes		37,286,697	24,282,736	48.41	1,175,527,229
	67	Property Tax		95,736,515	64,423,155	186.50	12,014,918,316
	68	FED HEAVY VEHICLE USE TAX		45,282	35,860	0.00	-
	69	ELECTRIC EXCISE TAX - SC		2,436,779	-	0.00	-
	70	PRIVILEGE TAX		16,254,008	12,031,302	(11.97)	(144,014,686)
	71	PUC LICENSE TAX - SC		1,775,775	-	0.00	-
	72	Taxes Other Than Income Taxes		153,535,056	100,773,052	129.46	13,046,430,859
	73	Total Interest on Customer Deposits		9,367,221	8,712,804	137.50	1,198,010,503
	74	Federal Income Tax		(91,946,206)	(66,117,748)	44.75	(2,958,769,227)
	75	State Income Tax		2,562,304	1,842,531	44.75	82,453,280
	76	Income Tax - Deferred		426,155,043	314,669,695	0.00	-
	77	Net Income Taxes		336,771,141	250,394,479	(11.49)	(2,676,315,948)
	78	Investment of Tax Credit Adj Net	04114XX	(3,380,372)	(2,136,868)	0.00	-
	79	Total Utility Operating Expenses (L73 + L75 + L84 + L86 + L91 + L93)		4,223,769,763	2,725,109,018	27.93	76,100,960,578
	80	Interest Expense for Electric Operations		281,071,586	186,290,919	0.00	-
	81	Income for Equity Return (L99 - L97)		620,843,243	435,947,177	0.00	-
	82	Net Operating Income		901,914,829	622,238,096	0.00	-
	83	Total Requirements (Ln 269+273)		5,125,684,592	3,347,347,114	22.73	76,100,960,578
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	99						
	100						
	101						
	102						
	103						
	104	Cash Working Capital Related to NC Sales Tax		5,841,335			

**Cash Working Capital Requirements for NC Retail Operations**  
**Lead Lag Summary**  
**For the Test Year Ended December 31, 2017**

Line No.		NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
1	Total Revenue Lag	(3,347,347,114)	42.33	(141,692,605,927)
2	Operation and Maintenance Expense	1,828,010,618	35.41	64,732,835,164
3	Depreciation and Amortization	539,354,933	0.00	0
4	Taxes Other Than Income Taxes	100,773,052	129.46	13,046,430,859
5	Interest on Customer Deposits	8,712,804	137.50	1,198,010,503
6	Income Taxes	250,394,479	(11.49)	(2,876,315,948)
7	Investment of Tax Credit	(2,136,868)	0.00	0
8	Net Operating Income	622,238,096	0.00	0
9	<b>Total Requirements</b>	<u><u>3,347,347,114</u></u>	22.73	<u><u>76,100,960,578</u></u>
10	Revenue Lag Days		42.33	
11	Requirement Lead Days		22.73	
12	Net Lag Days		19.60	
13	Daily Requirements			9,170,814
14	Cash Working Capital Requirements			179,703,138
15	Working Capital Related to NC Sales Tax			5,841,335
16	Total Cash Working Capital Requirements			<u><u>185,544,473</u></u>

Cash Working Capital Requirements for NC Retail Operations  
Lead Lag Summary  
For the Test Year Ended December 31, 2017

Duke Energy Progress, LLC  
Cash Working Capital Requirements for NC Retail Operations  
Lead Lag Summary  
For the Test Year Ended December 31, 2017

Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	Total YTD Dec 2017	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
	1	<b>OPERATING REVENUES:</b>					
	2						
	3						
Calc	4	Service Lag				15.21	
	5	Billing Lag					
1	6	Total Retail Sales & Billing Lag		(3,664,874,922)	(3,130,222,728)	1.66	
	7	Revenue - REPS		(43,981,207)	(43,981,207)		
	8	Unbilled Revenue	0440.99, 0442.19, 0442.29, 0444.99, 0445.09	(17,834,534)	(15,326,966)		
2	9						
	10	Collection Lag				25.01	
	11						
	12	Total Revenue Lag Elec Delivery Rate Schedule (Ln 11 + 17)		(3,726,690,663)	(3,189,530,901)	41.88	(133,572,238,249)
	13						
3	14	Total Revenue Lag Sales for Resale		(1,257,931,461)	(98,547,668)	33.73	(3,324,012,842)
	15	Provisions For Rate Refunds	0449.100	0	-		
16	16	Total Sales of Electricity (L12 + L14)		(4,984,622,123)	(3,288,078,569)	41.63	(136,896,251,091)
17	17						
	18	<u>Other Revenues:</u>					
	19	Forfeited Discounts	0450100, 0450200	(8,481,360)	(7,563,655)	72.30	(546,852,257)
	20	Miscellaneous Revenues	0451.100	(7,667,672)	(6,838,010)	76.00	(519,688,760)
4	21	RENT - (454) - DIST PLT REL		(4,610,121)	(4,022,537)	41.63	(167,458,215)
	22	RENT - (454) - DIST POLE RENTAL REV		(14,715,792)	(12,301,943)	182.00	(2,238,953,626)
4	23	RENT - (454) - TRANS PLT REL		(676,819)	(404,749)	41.63	(16,849,701)
	24	RENT - (454) - ADD FAC - WHLS		(3,290,570)	0	0.00	-
4	25	RENT - (454) - ADD FAC - RET X LIGHTING		(6,228,691)	(5,640,043)	41.63	(234,794,990)
	26	RENT - (454) - ADD FAC - LIGHTING		(4,491,301)	(4,188,657)	41.63	(174,373,791)
	27	RENT - (454) - OTHER		(7,484,770)	(4,960,817)	68.21	(338,385,893)
	28	OTHER ELEC REV (456) - PROD PLT REL		(1,957,142)	(1,200,457)	41.88	(50,273,138)
	29	OTHER ELEC REV (456) - TRANS REL		(10,150,455)	(6,070,143)	41.88	(254,207,472)
	30	OTHER ELEC REV (456) - GEN PLT REL		0	0		-
	31	OTHER ELEC REV (456) - WH D/A		(62,938,028)	0	41.88	-
	32	OTHER ELEC REV (456) - OTHER		(5,950,637)	(3,944,012)	41.88	(165,168,670)
	33	OTHER ELEC REV (456) - REPS		(178,392)	(178,392)	41.88	(7,470,760)
	34	OTHER ELEC REV (456) - OTHER ENERGY		0	0	41.88	-
	35	OTHER ELEC REV (456) - DIST PLT REL		(2,240,720)	(1,955,129)	41.88	(81,877,563)
4	36	Total Other Revenues (L19 through L35)	0456630	(141,062,469)	(59,268,545)	80.93	(4,796,554,836)
37	37						
	38	Utility Oper Revenues (L17 + L20+ L22 +L24 + L26 + L47 +L49 + L79)		(5,125,684,592)	(3,347,347,114)	42.33	(141,692,605,927)
	39	ELECTRIC OPERATING REVENUE		(5,125,684,592)	(3,347,347,114)		
40	40						
	41	<b>OPERATION AND MAINTENANCE EXPENSE:</b>					
	42						
	43	<u>Fuel Used in Electric Generation</u>					
5 + 6	44	OM Prod Energy - Fuel		1,251,419,297	762,662,565	28.49	21,727,022,694
	45						
	46	Fuel Used in Elec Gen (HFM Greenbook 1/5)	F_FUEL_USED_ELEC_GEN	<u>1,251,419,297</u>	<u>762,662,565</u>	28.49	<u>21,727,022,694</u>



Cash Working Capital Requirements for NC Retail Operations  
Lead Lag Summary  
For the Test Year Ended December 31, 2017

Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	Total YTD Dec 2017	NC Retail Jurisdictional Amount	Lead Lag Days	Weighted Amount
	47	OM PROD PURCHASES - CAPACITY COST		116,417,717	71,407,405	30.29	2,162,930,289
	48	OM PROD PURCHASES - ENERGY COST		415,529,536	252,829,640	30.29	7,658,209,782
	49	OM DEFERRED FUEL EXPENSE	0557980	(180,732,923)	(180,189,502)	0.00	-
	50						
	51	Purchased Power (Acct 555) + Def Fuel (Acct 557)	0555XXX	<u>351,214,330</u>	<u>144,047,542</u>	<u>68.18</u>	<u>9,821,140,071</u>
	52						

Cash Working Capital Requirements for NC Retail Operations  
Lead Lag Summary  
For the Test Year Ended December 31, 2017

Support Sch #	Line No.	Total Utility Operating Revenue and Expense Line Description	Account	Total YTD Dec 2017	NC Retail Jurisdictional Amount	Lead \Lag Days	Weighted Amount
	53	<b>Total Other O&amp;M Excluding Fuel and Purchased Power</b>					
	54	Total Labor Expense		562,409,999	366,460,746	37.07	13,584,699,854
9	55						
	56						
	57	Uncollectible Accounts	0904000, 0904001	6,504,470	5,800,670	0.00	-
	58						
8	59	Nuclear Fees in Act 524	0524000	34,582,782	21,212,121	(34.66)	(735,212,115)
	60						
10	61	Pension and Benefits	0926XXX	90,966,042	59,272,566	13.97	828,037,741
	62						
11	63	Regulatory Commission Expense	0928000	7,127,626	5,592,954	93.25	521,542,961
	64						
15	65	Property Insurance	0924XXX	7,696,581	5,184,875	(222.30)	(1,152,597,643)
	66						
	67	Injuries & Damages - Workman's Compensation	0925980	288,240	194,176	0.00	-
	68						
	69	Remaining Other Oper & Maint Expense		652,535,859	457,582,404	44.01	20,138,201,601
	70						
	71	Total O&M Excl. Fuel and Purch. Power		1,362,111,599	921,300,511	36.02	33,184,672,399
	72						
73	73	<b>Total Operation and Maintenance Expense (L46 + L51 + L71)</b>		<b>2,964,745,226</b>	<b>1,828,010,618</b>	<b>35.41</b>	<b>64,732,835,164</b>
74	74						
75	75	Total Depreciation & Amortization & Property Loss		762,731,492	539,354,933	0.00	-
76	76						
	77	<b>Taxes Other Than Income Taxes</b>					
9	78	Payroll Taxes		37,286,697	24,282,736	48.41	1,175,527,229
13	79	Property Tax		95,736,515	64,423,155	186.50	12,014,918,316
	80	FED HEAVY VEHICLE USE TAX		45,282	35,860	0.00	-
	81	ELECTRIC EXCISE TAX - SC		2,436,779	0	0.00	-
	82	PRIVILEGE TAX		16,254,008	12,031,302	(11.97)	(144,014,686)
13	83	PUC LICENSE TAX - SC		1,775,775	0	0.00	-
	84	Taxes Other Than Income Taxes		153,535,056	100,773,052	129.46	13,046,430,859
	85						
16	86	Total Interest on Customer Deposits		9,367,221	8,712,804	137.50	1,198,010,503
	87						
14	88	Federal Income Tax		(91,946,206)	(66,117,748)	44.75	(2,958,769,227)
	89	State Income Tax		2,562,304	1,842,531	44.75	82,453,280
	90	Income Tax - Deferred		426,155,043	314,669,695	0.00	-
	91	Net Income Taxes		336,771,141	250,394,479	(11.49)	(2,876,315,948)
92	92						
	93	Investment of Tax Credit Adj Net	04114XX	(3,380,372)	(2,136,868)	0.00	-
94	94						
	95	<b>Total Utility Operating Expenses (L73 + L75 + L84 + L86 + L91 + L93 )</b>		<b>4,223,769,763</b>	<b>2,725,109,018</b>	<b>27.93</b>	<b>76,100,960,578</b>
96	96						
97	97	Interest Expense for Electric Operations		281,071,586	186,290,919	0.00	-
98	98	Income for Equity Return (L99 - L97)		620,843,243	435,947,177	0.00	-
99	99	Net Operating Income		901,914,829	622,238,096	0.00	-
100	100						
	101	Total Requirements (Ln 269+273)		5,125,684,592	3,347,347,114	22.73	76,100,960,578
102	102						
103	103						
104	104	Cash Working Capital Related to NC Sales Tax		5,841,335			

### CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing Supplemental Response to E-1 Item 14, as filed in Docket No. E-2, Sub 1219, were served via electronic delivery or mailed, first-class, postage prepaid, upon all parties of record.

This, the 13<sup>th</sup> day of March, 2020.

/s/Mary Lynne Grigg

Mary Lynne Grigg  
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*mgrigg@mcguirewoods.com*

*Attorney for Duke Energy Progress, LLC*

Mar 13 2020

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**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Sub 1219**  
**NCUC Form E-1 Data Request**  
**For the test year ended December 31, 2018**

**Item No. 23**

☒ **CONFIDENTIAL**

☐ **NOT CONFIDENTIAL**

**Request:**

- a. Provide the financial forecast for the next three (3) years (may be two (2) years if first year in forecast is test year and a more recent forecast does not exist). Include major data and assumptions necessary to arrive at forecast (except earned return and net income). The forecast should include the following information:
  1. Capital requirements:
    - a. Construction costs:
      - i. Production facilities
      - ii. Transmission facilities
      - iii. Distribution facilities
      - iv. General facilities
    - b. Nuclear fuel costs
    - c. Equity component of AFUDC
    - d. Net change in working capital
    - e. Maturities, sinking funds and other requirements
  2. Sources of Capital:
    - a. Internal cash generation - please categorize by major source if possible
    - b. Outside financing program:
      - i. Long-term debt
      - ii. Preferred stock
      - iii. Common stock, and
      - iv. Net change in short-term debt
  3. Capital structure
  4. Monthly operating budgetsNote: Nantahala may omit 23a.
- b. Provide a three year annual construction budget (according to the format shown under 23-1a above) for the test year and the next three (3) years after the test year if not included in Item 23a.

**Confidential Supplemental Response:**

Please see the attached file named "Confidential E1 Item 23a4 Operating\_Budget".



E1 Item 23a4  
Operating Budget\_Rev

## DE Progress

Realized Electric	
Not Realized	
Total Operating Revenue	
Fuel used in Electric Generation and Purchased Power	
Operating and Maintenance and Other	
Depreciation and Amortization	
Other Taxes	
Other Charges	
Total Operating Expenses	
Operating Income	
Other Income and Expenses	
Interest Income	
Interest Expense and Taxes	
Earnings Before Income Taxes	
Total Income Taxes	
Net Income	

### DE Progress

Regulated Electric  
Non-Regulated  
Total Operating Revenue

Fuel used in Electric Generation and Purchased Power  
Operations, Maintenance and Other  
Depreciation and Amortization  
Proceuryand Other Taxes  
Other Charges  
Total Operating Expenses

Operating Income  
Other Income and Expenses  
Earnings Before Interest Expense and Taxes  
Interest Expense  
Earnings Before Income Taxes  
Total Income Taxes  
Net Income

### DE Progress

Regulated Electric  
Non-Regulated  
Total Operating Revenue

Fuel used in Electric Generation and Purchased Power  
Operations, Maintenance and Other  
Depreciation and Amortization  
Proceuryand Other Taxes  
Other Charges  
Total Operating Expenses

Operating Income  
Other Income and Expenses  
Earnings Before Interest Expense and Taxes  
Interest Expense  
Earnings Before Income Taxes  
Total Income Taxes  
Net Income



Form E-1 - Item 42(A) & (B)

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018

E-1 Item 42(a)(1) is included in response to E-1 Item 45

E-1 Item 42(a)(2) & (3) is included in response to E-1 Item 42(C), pages 2-6

E-1 Item 42(b)(1) is included in response to E-1 Item 45

E-1 Item 42(b)(2) & (3) is included in response to E-1 Item 42(C), page 50

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**  
**North Carolina Retail Revenues - Impact of Proposed Rates on Base Revenue<sup>1</sup>**

Rate Class	(A)		(B)		(C)		(D)	
	Base Revenue @ Current Rates		Base Revenue @ Proposed Rates		Rate Class Revenue Change		Percentage Change in Base Revenue	
	Per E-1, Item 42(C) Schedule Worksheet		Per E-1, Item 42(C) Schedule Worksheet		(C) = (B) - (A)		(D) = (B) / (A) - 1	
<b>Residential</b>								
1 RES	\$1,668,504,850		\$2,021,910,642		\$353,405,793		21.2%	
2 R-TOUD	\$1,625,518,113		\$1,969,484,076				21.2%	
3 R-TOU	\$37,418,664		\$45,678,922				22.1%	
4 R-TOU	\$5,568,073		\$6,747,645				21.2%	
<b>Small General Service</b>								
6 SGS	\$212,085,786		\$256,840,310		\$44,754,524		21.1%	
7 SGS-TOUE	\$211,676,126		\$256,344,956				21.1%	
8 SGS-TOUE	\$409,659		\$495,354				20.9%	
<b>SGS-TOU Constant Load (SGS-TOU-CLR)</b>								
10	\$3,557,875		\$4,338,457		\$780,582		21.9%	
<b>Medium General Service</b>								
12 MGS	\$810,186,141		\$930,405,643		\$120,219,501		14.8%	
13 SGS-TOU	\$242,725,236		\$275,522,245				13.5%	
14 CH-TOUE	\$564,603,355		\$651,632,910				15.4%	
15 GS-TES	\$1,174,859		\$1,322,796				12.6%	
16 APH-TES	\$1,350,017		\$1,548,315				14.7%	
17 CSE	\$134,507		\$153,187				13.9%	
18 CSE	\$193,825		\$221,321				14.2%	
19 CSG	\$4,341		\$4,868				12.1%	
<b>Large General Service</b>								
21 LGS	\$444,493,679		\$512,011,150		\$67,517,471		15.2%	
22 LGS-TOU	\$76,212,916		\$87,322,880				14.6%	
23 LGS-TOU	\$368,280,763		\$424,688,270				15.3%	
<b>Seasonal and Intermittent Service</b>								
25	\$4,724,718		\$5,288,312		\$563,593		11.9%	
<b>Traffic Signal Service (TSS)</b>								
27 TSS	\$437,675		\$518,136		\$80,462		18.4%	
28 TFS	\$402,826		\$477,526				18.5%	
29 TFS	\$34,848		\$40,610				16.5%	

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**  
**North Carolina Retail Revenues - Impact of Proposed Rates on Base Revenue<sup>1</sup>**

Rate Class	(A)		(B)		(C)		(D)	
	Base Revenue @ Current Rates		Base Revenue @ Proposed Rates		Rate Class Revenue Change		Percentage Change in Base Revenue	
	Per E-1, Item 42(C) Schedule Worksheet		Per E-1, Item 42(C) Schedule Worksheet		(C) = (B) - (A)		(D) = (B) / (A) - 1	
31 Outdoor Lighting		\$88,687,542		\$102,700,570		\$14,013,028		15.8%
32 ALS		\$62,407,901		\$72,534,457				16.2%
33 SLS		\$20,292,383		\$23,348,984				15.1%
34 SLR		\$5,987,258		\$6,817,129				13.9%
35								
36 Sports Field Lighting Service		\$202,461		\$229,077		\$26,616		13.1%
37								
38 North Carolina Retail Tariff Revenue		\$3,232,880,726		\$3,834,242,297		\$601,361,571		18.6%

<sup>1</sup> Base Revenues excludes revenues received under the 12/2018 Fuel EMF, DSM, EE, EDIT-1, EDIT-2, RAL-1, Fuel EMF Deficiency and Joint Agency Asset clause rates.

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
North Carolina Retail Revenues - Adjustments to Base Revenue to Derive Total Revenue

Rate Class	ADJUSTMENTS TO BASE REVENUES										REPS Charge Revenue <sup>2</sup>	Total Revenue @ Current Rates	Total Revenue @ Proposed Rates		
	Base Revenue @ Current Rates	Base Revenue @ Proposed Rates	12/2016 Fuel EMF Revenue	Energy Efficiency Rider Revenue	Demand Side Management Rider Revenue	Joint Agency Asset Rider Revenue	Income Tax Rider EDT-1 Revenue	Fuel Deficiency Rider Revenue	Rider EDT-1 Revenue Change (NEW)	Rider EDT-2 Revenue (NEW)				Rider RAL-1 Revenue (NEW)	
	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Pre E-1, Item 42(C) Worksheet	Worksheet	Worksheet	Worksheet	Worksheet	Worksheet
1 Residential	\$1,668,504,880	\$2,021,910,642	\$96,155,782	\$107,507,508	\$0	\$23,619,272	(\$19,009,822)	\$3,672,617	\$3,338,742	(\$71,782,962)	(\$834,686)	\$20,585,080	\$1,951,014,278	\$2,235,141,164	
2 RES	\$1,626,518,113	\$1,969,484,076	\$93,226,715	\$104,232,646	Committed	\$71,376,703	(\$18,451,121)	\$3,580,743	\$3,237,039	(\$49,596,332)	(\$809,260)	\$20,189,923	\$1,899,653,332	\$2,176,451,131	
3 R-TIOUD	\$37,186,684	\$45,678,922	\$2,605,051	\$2,712,591	Committed	\$179,944,992	(\$515,983)	\$99,498	\$90,453	(\$1,744,743)	(\$2,613)	\$38,547	\$4,481,325	\$5,123,680	
4 R-TIOU	\$5,586,073	\$6,747,645	\$324,018	\$362,270	Committed	\$248,076	(\$64,129)	\$12,316	\$11,251	(\$247,888)	(\$2,813)	\$58,547	\$6,569,231	\$7,455,352	
5															
6 Small General Service	\$212,085,786	\$256,840,310	\$7,083,985	\$15,706,479	\$664,125	\$9,587,398	(\$2,194,706)	\$1,001,094	\$385,036	(\$8,528,549)	(\$66,209)	\$258,279,662	\$259,279,662	\$294,709,814	
7 SCS	\$211,676,126	\$256,344,956	\$7,071,152	\$15,758,473	\$664,588	\$9,570,390	(\$2,199,812)	\$999,518	\$384,353	(\$8,513,419)	(\$96,088)	\$257,765,997	\$279,220,972	\$294,220,972	
8 SCS-TIOU	\$409,659	\$495,354	\$12,432	\$28,007	\$1,537	\$7,009	(\$3,894)	\$1,716	\$663	(\$15,130)	(\$171)	\$47,139	\$894,742	\$894,742	
9															
10 SCS-TIOU Constant Load (SCS-TIOU-CLR)	\$3,557,875	\$4,338,457	\$115,403	\$259,975	\$14,267	\$157,887	(\$36,143)	\$16,486	\$6,341	(\$139,499)	(\$1,585)	\$5,295,962	\$5,295,962	\$5,295,962	
11															
12 Medium General Service	\$810,186,141	\$930,405,643	\$38,425,259	\$61,749,824	\$3,347,488	\$39,460,364	(\$12,771,077)	\$7,617,836	\$2,240,540	(\$27,670,668)	(\$560,135)	\$952,192,527	\$1,046,421,766	\$1,046,421,766	
13 MGS	\$242,725,236	\$275,522,245	\$9,488,979	\$20,408,246	\$1,118,434	\$14,979,786	(\$3,153,771)	\$1,881,197	\$553,293	(\$6,833,171)	(\$138,323)	\$315,694,668	\$315,694,668	\$315,694,668	
14 SCS-TIOU	\$564,603,355	\$651,632,910	\$28,819,620	\$41,093,184	\$2,215,422	\$24,393,426	(\$9,578,533)	\$5,713,511	\$1,680,444	(\$20,753,487)	(\$420,111)	\$2,276,509	\$669,535,860	\$727,072,896	
15 CH-TIOU	\$1,174,859	\$1,322,796	\$29,925	\$71,540	\$3,926	\$32,455	(\$9,946)	\$5,933	\$1,745	(\$21,549)	(\$456)	\$19,876	\$1,455,254	\$1,455,254	
16 GS-TES	\$1,560,017	\$1,548,315	\$74,841	\$165,356	\$9,074	\$51,746	(\$24,874)	\$14,837	\$4,364	(\$53,894)	(\$1,091)	\$374	\$1,789,048	\$1,789,048	
17 APH-TES	\$134,507	\$153,187	\$7,086	\$0	\$0	\$5,735	(\$2,355)	\$7,405	\$413	(\$5,103)	(\$103)	\$0	\$1,660,264	\$1,660,264	
18 CSE	\$193,825	\$221,321	\$4,721	\$11,287	\$619	\$5,121	(\$1,569)	\$936	\$275	(\$3,400)	(\$69)	\$275,024	\$275,024	\$275,024	
19															
20 CSG	\$4,341	\$4,688	\$88	\$271	\$12	\$96	(\$29)	\$17	\$5	(\$63)	(\$1)	\$96	\$4,831	\$5,298	
21															
22 Large General Service	\$444,493,679	\$512,011,150	\$87,793,517	\$3,252,863	\$174,037	\$21,788,548	(\$9,632,782)	\$168,996	\$1,689,962	(\$14,449,174)	(\$422,490)	\$602,507,840	\$604,174,071	\$602,507,840	
23 LGS	\$76,212,916	\$87,322,880	\$17,947,698	\$1,300,025	\$62,288	\$3,566,184	(\$1,310,912)	\$22,998	\$279,985	(\$1,966,368)	(\$57,496)	\$48,972	\$97,850,692	\$101,166,254	
24 LGS-TIOU	\$368,280,763	\$424,688,270	\$75,845,819	\$1,952,838	\$117,749	\$18,222,364	(\$8,321,870)	\$145,998	\$1,459,977	(\$12,482,806)	(\$364,994)	\$86,241	\$501,343,586	\$501,343,586	
25															
26 Seasonal and Intermittent Service	\$4,724,718	\$5,288,312	\$147,048	\$331,001	\$18,131	\$192,491	(\$48,873)	\$29,152	\$8,574	(\$181,774)	(\$2,144)	\$44,208	\$5,457,876	\$5,826,126	
27															
28 Traffic Signal Service (TSS)	\$437,675	\$518,136	\$17,360	\$39,108	\$2,146	\$11,303	(\$5,437)	\$2,480	\$954	(\$16,025)	(\$238)	\$55,606	\$559,241	\$624,394	
29 TSS	\$402,826	\$477,526	\$16,712	\$37,649	\$2,666	\$10,881	(\$5,249)	\$2,387	\$918	(\$15,427)	(\$230)	\$44,783	\$552,053	\$572,053	
30 TFS	\$34,848	\$40,610	\$48	\$1,460	\$80	\$422	(\$203)	\$93	\$36	(\$598)	(\$9)	\$9,823	\$47,170	\$52,261	
31															
32 Outdoor Lighting	\$88,687,542	\$102,700,570	\$3,124,744	\$336,309	\$0	\$0	(\$402,055)	(\$162,233)	\$20,556	(\$4,827,134)	(\$17,634)	\$1,435,954	\$99,020,261	\$102,700,567	
33 ALS	\$62,607,091	\$72,534,457	\$2,327,877	\$251,676	\$0	\$0	(\$305,185)	(\$123,145)	\$35,547	(\$3,659,545)	(\$13,385)	\$1,313,541	\$65,972,465	\$68,972,465	
34 SLS	\$20,292,383	\$23,348,984	\$614,712	\$69,040	\$0	\$0	(\$79,094)	(\$31,915)	\$13,876	(\$946,432)	(\$3,469)	\$177,136	\$23,100,037	\$23,100,037	
35 SLR	\$6,871,729	\$138,155	\$5,993	\$0	\$0	(\$17,776)	(\$7,173)	\$3,119	\$23,119	(\$21,158)	(\$3,80)	\$477	\$6,735,987	\$6,735,987	
36															
37 Sports Field Lighting Service	\$202,461	\$239,077	\$10,131	\$1,048	\$0	\$0	(\$1,364)	(\$526)	\$229	(\$8,050)	(\$57)	\$5,118	\$276,929	\$235,667	
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<sup>1</sup> Total Revenues includes revenues received under the 12/2018 Fuel EMF, DSM, EE, EDT-1, EDT-2, RAL-1, Fuel EMF, Deficiency and Joint Agency Asset clause rates.

<sup>2</sup> REPS revenue is billed at the account level and therefore isn't included in schedule rates. Its calculated as the 2018 annual customer count per CIM Report (RMCR9Y) billed at rates approved December 1, 2018.

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219

North Carolina Retail Revenues - Impact of Proposed Rates on Total Revenue<sup>1</sup>

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Rate Class	Total Revenue @ Current Rates <sup>1</sup>	REPS Clause Revenue <sup>2</sup>	Total Revenue w/ REPS @ Current Rates	Total Revenue @ Proposed Rates	Total Revenue w/ REPS @ Proposed Rates <sup>3</sup>	Rate Class Revenue Change	Percentage Change in Total Revenue
	Per E-1, Item 42(C) Schedule Worksheet	Calculated	(C) = (A) + (B)	Per E-1, Item 42(C) Schedule Worksheet	(E) = (D) * (B)	(F) = (E) - (C)	(G) = (E) / (C) - 1
<b>Residential</b>	<b>\$1,930,429,197</b>	<b>\$20,585,080</b>	<b>\$1,951,014,278</b>	<b>\$2,214,556,084</b>	<b>\$2,235,141,164</b>	<b>\$284,126,886</b>	<b>14.6%</b>
2 RES	\$1,879,463,799	\$20,189,923	\$1,899,653,722	\$2,156,261,209	\$2,176,451,131		14.6%
3 R-TOUD	\$44,514,714	\$336,611	\$44,851,325	\$50,898,069	\$51,234,680		14.2%
4 R-TOU	\$6,450,684	\$58,547	\$6,509,231	\$7,396,806	\$7,455,352		14.5%
5							
<b>Small General Service</b>	<b>\$244,215,762</b>	<b>\$14,063,301</b>	<b>\$258,279,062</b>	<b>\$280,730,514</b>	<b>\$294,793,814</b>	<b>\$36,514,752</b>	<b>14.1%</b>
6 SGS	\$243,749,235	\$14,016,162	\$257,765,397	\$280,192,911	\$294,209,073		14.1%
7	\$466,526	\$47,139	\$513,665	\$537,603	\$584,742		13.8%
8 SGS-TOUE							
9							
<b>SGS-TOU Constant Load (SGS-TOU-CLR)</b>	<b>\$4,085,751</b>	<b>\$564,372</b>	<b>\$4,650,123</b>	<b>\$4,731,590</b>	<b>\$5,295,962</b>	<b>\$645,839</b>	<b>13.9%</b>
10							
11							
<b>Medium General Service</b>	<b>\$948,023,835</b>	<b>\$4,168,693</b>	<b>\$952,192,527</b>	<b>\$1,042,253,073</b>	<b>\$1,046,421,766</b>	<b>\$94,229,238</b>	<b>9.9%</b>
12							
13 MGS	\$287,448,106	\$1,867,755	\$289,315,860	\$313,826,914	\$315,694,668		9.1%
14 SGS-TOU	\$657,259,986	\$2,276,509	\$659,536,494	\$724,796,387	\$727,072,896		10.2%
15 CH-TOUE	\$1,308,691	\$19,876	\$1,328,567	\$1,436,388	\$1,456,264		9.6%
16 GS-TES	\$1,640,998	\$374	\$1,641,372	\$1,788,674	\$1,789,048		9.0%
17 APH-TES	\$146,378	\$0	\$146,378	\$160,264	\$160,264		9.5%
18 CSE	\$214,941	\$4,083	\$219,024	\$239,243	\$243,327		11.1%
19 CSG	\$4,735	\$96	\$4,831	\$5,202	\$5,298		9.7%
20							
<b>Large General Service</b>	<b>\$548,038,858</b>	<b>\$135,213</b>	<b>\$548,174,071</b>	<b>\$602,374,627</b>	<b>\$602,509,840</b>	<b>\$54,335,769</b>	<b>9.9%</b>
21							
22 LGS	\$91,801,197	\$48,972	\$91,850,169	\$101,117,282	\$101,166,254		10.1%
23 LGS-TOU	\$456,237,661	\$86,241	\$456,323,902	\$501,257,345	\$501,343,586		9.9%
24							
<b>Seasonal and Intermittent Service</b>	<b>\$5,393,668</b>	<b>\$44,208</b>	<b>\$5,437,876</b>	<b>\$5,781,918</b>	<b>\$5,826,126</b>	<b>\$388,250</b>	<b>7.1%</b>
25							
26							
<b>Traffic Signal Service (TSS)</b>	<b>\$504,636</b>	<b>\$54,606</b>	<b>\$559,241</b>	<b>\$569,788</b>	<b>\$624,394</b>	<b>\$65,152</b>	<b>11.7%</b>
27							
28 TSS	\$467,288	\$44,783	\$512,071	\$527,250	\$572,033		11.7%
29 TFS	\$37,348	\$9,823	\$47,170	\$42,538	\$52,361		11.0%
30							

**Duke Energy Progress, LLC**  
**NCUC Docket No. E-2, Sub 1219**

**North Carolina Retail Revenues - Impact of Proposed Rates on Total Revenue<sup>1</sup>**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Rate Class	Total Revenue @ Current Rates <sup>1</sup>	REPS Clause Revenue <sup>2</sup>	Total Revenue w/ REPS @ Current Rates	Total Revenue @ Proposed Rates	Total Revenue w/ REPS @ Proposed Rates <sup>3</sup>	Rate Class Revenue Change	Percentage Change in Total Revenue
	Per E-1, Item 42(C) Schedule Worksheet	Calculated	(C) = (A) + (B)	Per E-1, Item 42(C) Schedule Worksheet	(E) = (D) * (B)	(F) = (E) - (C)	(G) = (E) / (C) - 1
<b>Outdoor Lighting</b>	<b>\$91,584,307</b>	<b>\$1,435,954</b>	<b>\$93,020,261</b>	<b>\$100,829,103</b>	<b>\$102,265,057</b>	<b>\$9,244,796</b>	<b>9.9%</b>
31 ALS	\$64,603,124	\$1,318,341	\$65,921,465	\$71,110,292	\$72,428,633		9.9%
32 SLS	\$20,865,126	\$117,136	\$20,982,262	\$22,983,701	\$23,100,837		10.1%
33 SLR	\$6,116,057	\$477	\$6,116,534	\$6,735,110	\$6,735,587		10.1%
34							
35							
<b>Sports Field Lighting Service</b>	<b>\$211,811</b>	<b>\$5,118</b>	<b>\$216,929</b>	<b>\$230,548</b>	<b>\$235,667</b>	<b>\$18,738</b>	<b>8.6%</b>
36							
37							
<b>North Carolina Retail Tariff Revenue</b>	<b>\$3,772,487,824</b>	<b>\$41,056,544</b>	<b>\$3,813,544,368</b>	<b>\$4,252,057,245</b>	<b>\$4,293,113,789</b>	<b>\$479,569,421</b>	<b>12.6%</b>
38							

<sup>1</sup> Total Revenues at Current Rates includes revenues received under the 12/2018 Fuel EMF, DSM, EE, EDIT-1, Fuel EMF Deficiency and Joint Agency Asset clause rates and reflect DSM/EE Opt-Out Credits.

<sup>2</sup> REPS revenue is billed at the account level and therefore isn't included in schedule rates. Its calculated as the 2018 annual customer count per CIM Report RMCRCY9 billed at rates approved December 1, 2018.

<sup>3</sup> Total Revenues at Proposed Rates includes revenues received under the 12/2018 Fuel EMF, DSM, EE, EDIT-1, Fuel EMF Deficiency, Joint Agency Asset clause rates, EDIT-1 Change, EDIT-2, and RAL-1 and reflect DSM/EE Opt-Out Credits.

North Carolina Schedule RES

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates
(\$0.00166) effective 11/12/018
\$0.00000 effective 11/12/018
Varies effective 3/16/18
\$0.00160 effective 6/12/018
\$0.00051 effective 9/12/018
\$0.00451 effective 12/12/018
(\$0.00035) effective 12/12/018
\$0.00032 effective 11/12/019



North Carolina Schedule R-T0UD

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
1 Basic Customer Charge							
1	COUNT	237,828	\$16.85	\$4,007,402	\$16.85	\$4,007,402	0.0%
2	KWH	166,746,727	\$0.07569	\$12,621,060	\$0.08763	\$14,612,016	15.8%
3	KWH	285,519,033	\$0.06129	\$17,499,462	\$0.07096	\$20,260,431	15.8%
4	KW	778,057	\$4.88	\$3,796,917	\$5.65	\$4,396,021	15.8%
5	KW	1,790,113	\$3.90	\$6,981,441	\$4.52	\$8,091,311	15.9%
6	COUNT	382	\$7.00	\$2,674	\$7.00	\$2,674	0.0%
7 Rate Schedule Revenue							
7				\$44,908,955		\$51,369,854	
8 Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)							
9				\$45,296,316		\$51,812,943	
10		0	(\$0.00644)	(\$781.602)		(\$914.874)	
11				\$44,514,714		\$0	
12						\$50,898,069	14.3%
13 Remove Current Clause Revenue Adjustments							
13	KWH	452,265,760	\$0.00576	\$2,605,051	\$0.00576	\$2,605,051	
14	KWH	452,265,760	\$0.00644	\$2,912,591	\$0.00644	\$2,912,591	
15	KWH	452,265,760	\$0.00441	\$1,994,492	\$0.00441	\$1,994,492	
16	KWH	452,265,760	(\$0.00114)	(\$515.583)	(\$0.00114)	(\$515.583)	
17	KWH	452,265,760	\$0.00022	\$99,498	\$0.00022	\$99,498	
18				\$7,096,050		\$7,096,050	
19 REVENUE - Excluding Existing Clause Riders							
19				\$37,418,664		\$43,802,019	
20 Proposed Change in REVENUES For Rate Design							
21						\$6,383,355	17.1%
21 Remove New Adjustment Riders							
22		452,265,760			\$0.00020	\$90,453	
23		452,265,760			(\$0.00430)	(\$1,944,743)	
24		452,265,760			(\$0.00005)	(\$22.613)	
25				\$0		(\$1,876,903)	
26						\$45,678,922	
26				\$37,418,664		\$8,260,258	22.1%
26 BASE REVENUES, Excluding New & Existing Clause Riders							
27 Proposed Change in Base Revenues, Excluding New Riders							
28 Spread Factor Calculation							
29				\$44,908,955			
29				(\$781.602)			
30				\$3,051,651			
31 Plus Rider Revenues (See Worksheets: Rider RE CD)							
31							
32 Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)							
32	KWH	33,235,151	(\$55,170)				
33	KWH	33,235,151	\$0				
34			\$902,594				
35	KWH	197,000,554	\$315,201				
36	KWH	-115,933,975	(\$59,126)				
37	KWH	433,516,401	\$1,955,159				
38	KWH	433,516,366	(\$151,731)				
39	KWH	452,265,760	\$144,725				
40				\$0			
41				\$0			
42				\$41,075,702			
43				\$41,429,999			
44				99.14%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates	
(\$0.00166)	effective 1/1/2018
\$0.00000	effective 1/1/2018
Varies	effective 3/16/18
\$0.00160	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00451	effective 12/1/2018
(\$0.00035)	effective 12/1/2018
\$0.00032	effective 1/1/2019

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Schedule R-TOU

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
1	ALL						
2	SUMMER On-peak (June-Sept Calendar)	BASIC Customer Charge	COUNT	41,200	\$16.85	\$694,220	0.0%
3	NONSUMMER On-peak (Oct.-May Calendar)	Energy Charges	KWH	3,718,946	\$0.23904	\$888,977	22.6%
4	SUMMER Shoulder (June-Sept Calendar)	Energy Charges	KWH	4,113,748	\$0.22753	\$936,001	22.3%
5	NONSUMMER Shoulder (Oct.-May Calendar)	Energy Charges	KWH	2,726,969	\$0.12393	\$337,953	18.2%
6	Off-peak	Energy Charges	KWH	5,975,292	\$0.12105	\$723,309	18.0%
7	ALL	Energy Charges	KWH	39,718,179	\$0.07460	\$2,962,976	12.2%
8	Rate Schedule Revenue	Three Phase Charge	COUNT	48	\$7.00	\$336	0.0%
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)						
10	Plus Rider Revenues (See Worksheets: Rider RECD)						
11	Plus EE/DSM Opt-Out Credit		0	(\$0.00644)		\$7,504,602	
12	TOTAL REVENUE, Adjusted for Service Riders			\$0	(\$0.00644)	\$107,796	
13	Remove Current Clause Revenue Adjustments					\$7,396,806	14.7%
14	Approved Fuel EMF Rider						
15	DSM/EE Revenue (Adjusted for Opt-Out Sales & Revenues)						
16	Rider JAA Revenue						
17	Rider EDIT Revenue						
18	Fuel Deficiency Rider FED						
19	Total Adjustments						
20	REVENUE, Excluding Existing Clause Riders						
21	Proposed Change in REVENUES for Rate Design						
22	Remove New Adjustment Riders						
23	Rider EDIT -1 Revenue Change						
24	Rider EDIT -2 Revenue						
25	Rider RAL-1 Revenue						
26	Total Adjustments						
27	BASE REVENUES, Excluding New & Existing Clause Riders						
28	Proposed Change in Base Revenues, Excluding New Riders						
29	Spread Factor Calculation						
30	Annual Revenue at Current Rates						
31	Plus Rider Revenues (See Worksheets: Rider RECD)						
32	Less: All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)						
33	Impact of 1/18 EE Rate Change						
34	Impact of 1/18 DSM Rate Change						
35	Impact of 3/16/18 Rate Case						
36	Impact of 6/18 Fuel Deficiency Rider						
37	Impact of 9/18 JRR Recovery Rider (expired/reverse)						
38	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change						
39	Impact of 12/18 JAA Rate Change						
40	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change						
41	Less: 2018 EE Opt-Out Revenue (Source: RMCR/4E, RMCR/6E, CIM Reports)						
42	Less: 2018 DSM Opt-Out Revenue (Source: RMCR/4D, RMCR/6D, CIM Reports)						
43	Adjusted Annual Revenue Based upon Rate Determinants						
44	Book Revenues (Source: RMC1Y)						
45	Spread Factor (Adjusted Annual Revenue/Book Revenue)						

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates			
(\$0.00166)	effective 7/1/2018		
\$0.00000	effective 1/1/2018		
Varies	effective 3/16/18		
\$0.00160	effective 6/1/2018		
\$0.00051	effective 9/1/2018		
\$0.00451	effective 12/1/2018		
(\$0.00035)	effective 12/1/2018		
\$0.00032	effective 1/1/2019		

North Carolina Schedule SGS

		Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	BLOCK 1 - FIRST 150 KWH	COUNT	1,904,113	\$39,986,373	\$21.00	\$39,986,373	0.0%
2	BLOCK 1 - FIRST 150 KWH	KWH	746,756,125	\$85,847,153	\$0.13580	\$101,409,563	18.1%
3	BLOCK 2 - NEXT 1,250 KWH	KWH	575,525,209	\$56,551,107	\$0.11606	\$66,795,456	18.1%
4	BLOCK 3 - ADDITIONAL KWH	KWH	620,342,371	\$58,138,487	\$0.11071	\$68,678,104	18.1%
5	Three Phase Charge	COUNT	379,391	\$2,655,737	\$7.00	\$2,655,737	0.0%
6	Billed KWHR	KWH	8,524	\$2,728	\$0.32	\$2,728	0.0%
7	Rate Schedule Revenue			\$243,181,585		\$279,527,960	
8	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$243,981,135		\$280,447,013	
9	Plus Rider Revenues (See Worksheets: Riders 9, SS, & NFS)			\$6,243		\$7,097	
10	Plus Adjustments (See Worksheets: Adjustment Rider NFS)		20,859,328	(\$0.00820)	(\$0.00820)	(\$80,560)	
11	Plus EE Opt-Out Credit		21,317,115	(\$171,046)	(\$171,046)	(\$171,046)	
12	Plus DSM Opt-Out Credit			(\$9,593)	(\$0.00045)	(\$9,593)	
13	TOTAL REVENUE, Adjusted for Service Riders			\$243,749,235		\$280,192,911	15.0%
14	Remove Current Clause Revenue Adjustments						
15	Approved Fuel EMF Rider	KWH	1,942,624,305	\$0.00364	\$7,071,152	\$0.00364	
16	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	1,921,764,977	\$0.00820	\$15,758,473	\$15,758,473	
17	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	1,921,307,190	\$0.00045	\$864,588	\$864,588	
18	Rider JAA Revenue	KWH	1,921,764,977	\$0.00498	\$9,570,390	\$9,570,390	
19	Rider EDI Revenue	KWH	1,921,764,977	(\$0.00114)	(\$2,190,812)	(\$2,190,812)	
20	Fuel Deficiency Rider FED	KWH	1,921,764,977	\$0.00052	\$999,318	\$999,318	
21	Total Adjustments			\$32,073,109		\$32,073,109	
22	REVENUE, Excluding Existing Clause Riders			\$211,676,126		\$248,119,802	
23	Proposed Change in REVENUES For Rate Design					\$36,443,676	17.2%
24	Remove New Adjustment Riders						
25	Rider EDI: 1 Revenue Change		1,921,764,977		\$0.00020	\$384,353	
26	Rider EDI: 2 Revenue		1,921,764,977		(\$0.00443)	(\$8,513,419)	
27	Rider RAL: 1 Revenue		1,921,764,977		(\$0.00005)	(\$96,088)	
28	Total Adjustments			\$0		(\$8,225,154)	
29	BASE REVENUES, Excluding New & Existing Clause Riders			\$211,676,126		\$256,344,956	
30	Proposed Change in Base Revenues, Excluding New Riders					\$44,668,830	21.1%
31	Spread Factor Calculation						
32	Annual Revenue at Current Rates			\$243,181,585			
33	Plus Adjustments (See Worksheets: Adjustment Rider NFS)			(\$51,260)			
34	plus Rider JRR Credit			(\$1,040)			
35	Less All Rate Adjustments (First Year Rate Changes adjusted by Memo Revenues Sales)						
36	Impact of 1/18 EE Rate Change	KWH	Impacted KWH	Revenue Impact			
37	Impact of 1/18 DSM Rate Change	KWH	104,651,684	(\$3,5163)			
38	Impact of 6/18 Rate Case	KWH	104,651,684	(\$1,512)			
39	Impact of 6/18 Fuel Deficiency Rider	KWH	764,123,184	\$2,743,202			
40	Impact of 9/18 JRR Recovery Rider (expired/reverses)	KWH	-521,623,393	(\$26,028)			
41	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	1,814,958,740	\$10,743,514			
42	Impact of 12/18 JAA Rate Change	KWH	1,814,958,740	(\$82,4982)			
43	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	1,942,624,305	\$4,662,298			
44	Less 2018 EE Opt-Out Revenue (Source: RMC/RYE, JMC/RYE, CMI Reports)	DOLLARS				\$121,683	
45	Less 2018 DSM Opt-Out Revenue (Source: RMC/RYE, JMC/RYE, CMI Reports)	DOLLARS				\$8,997	
46	Adjusted Annual Revenue Based Upon Rate Determinants			\$224,837,796			
47	Book Revenues (Source: RMC/RY)			\$225,577,034			
48	Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.672290%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates			
(\$10,000.25)	effective 1/1/2018		
(\$10,000.1)	effective 1/1/2018		
Varies	effective 3/1/2018		
\$0.00359	effective 6/1/2018		
\$0.00051	effective 9/1/2018		
\$0.00573	effective 12/1/2018		
(\$10,000.44)	effective 12/1/2018		
\$0.00040	effective 1/1/2019		

Duke Energy Progress, LLC  
NCJLC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Schedule SGS-TOUE

				Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	SUMMER On-peak (June-Sept Calendar)	BASIC Customer Charge	COUNT	7,708	\$21.00	\$161,868	\$21.00	\$161,868	0.0%
2	NONSUMMER On-peak (Oct-May Calendar)	Energy Charges	WMM	120,263	\$0.22219	\$26,721	\$0.30840	\$37,089	38.8%
3	NONSUMMER On-peak (Oct-May Calendar)	Energy Charges	WMM	183,004	\$0.20137	\$36,852	\$0.27756	\$50,795	37.8%
4	SUMMER Shoulder (June-Sept Calendar)	Energy Charges	WMM	113,099	\$0.11810	\$13,455	\$0.15420	\$17,548	30.6%
5	NONSUMMER Shoulder (Oct-May Calendar)	Energy Charges	WMM	413,457	\$0.11290	\$46,679	\$0.14649	\$60,567	29.8%
6	Off-peak	Energy Charges	WMM	2,394,787	\$0.06665	\$170,725	\$0.07710	\$199,287	16.7%
7	Three Phase Charge	COAST		1,271	\$7.00	\$8,897	\$7.00	\$8,897	0.0%
8	Rate Schedule Revenue					\$465,197		\$536,071	
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)					\$466,526		\$537,603	
10	Plus Rider Revenues (None)				\$0	\$0		\$0	
11	Plus EE Opt-Out Credit			0	(\$0.00820)	\$0	(\$0.00820)	\$0	
12	Plus DSM Opt-Out Credit			0	(\$0.00045)	\$0	(\$0.00045)	\$0	
13	TOTAL REVENUE, Adjusted for Service Riders					\$466,526		\$537,603	15.2%
14	Remove Current Clause Revenue Adjustments								
15	Approved Fuel EMF Rider	WMM		3,415,440	\$0.00364	\$12,432	\$0.00364	\$12,432	
16	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	WMM		3,415,440	\$0.00820	\$28,007	\$0.00820	\$28,007	
17	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	WMM		3,415,440	\$0.00045	\$1,537	\$0.00045	\$1,537	
18	Rider JAA Revenue	WMM		3,415,440	\$0.00498	\$17,009	\$0.00498	\$17,009	
19	Rider EDIT Revenue	WMM		3,415,440	(\$0.00114)	(\$3,894)	(\$0.00114)	(\$3,894)	
20	Fuel Deficiency Rider FED	WMM		3,415,440	\$0.00052	\$1,776	\$0.00052	\$1,776	
21	Total Adjustments					\$56,862		\$60,735	
22	REVENUE, Excluding Existing Clause Riders					\$409,669		\$476,735	
23	Proposed Change in REVENUES for Rate Design							\$71,076	17.4%
24	Remove New Adjustment Riders								
25	Rider EDIT-1 Revenue Change			3,415,440		\$683	(\$0.00443)	(\$15,130)	
26	Rider EDIT-2 Revenue			3,415,440		(\$171)	(\$0.00005)	(\$1,618)	
27	Rider RAL-1 Revenue			3,415,440					
28	Total Adjustments					\$0		\$495,354	
29	BASE REVENUES, Excluding New & Existing Clause Riders					\$409,669		\$485,694	20.9%
30	Proposed Change in Base Revenues, Excluding New Riders								
31	Spread Factor Calculation								
32	Annual Revenue at Current Rates					\$465,197			
33	Plus Rider Revenues (None)					\$0			
34	Less All Rate Adjustments (Five Year Rate Changes Adjusted by Warm Revenue Sales)								
35	Impact of 1718 EE Rate Change	WMM	Impacted Units	219,540	(\$53)			\$33,904	
36	Impact of 1718 DSM Rate Change	WMM		219,540	(\$24)				
37	Impact of 1716/18 Rate Case	WMM			\$5,231				
38	Impact of 1618 Fuel Deficiency Rider	WMM		1,716,524	\$5,201				
39	Impact of 1918 JRR Recovery Rider (expired/reversed)	WMM		-936,006	(\$477)				
40	Impact of 1218 Fuel Fed Tax and Coal Inventory Rate Change	WMM		3,291,024	\$18,892				
41	Impact of 1218 JAA Rate Change	WMM		3,291,021	(\$1,451)				
42	Impact of 1719 DSMEE & NC Tax Reform Rider Rate Change	WMM		3,415,440	\$8,197				
43	Less 2018 EE Opt-Out Revenue (Source: RMC/RYE, RMC/RYE, CNA Reports)	DOLLARS				\$0			
44	Less 2018 DSM Opt-Out Revenue (Source: RMC/RYE, RMC/RYE, CNA Reports)	DOLLARS				\$0			
45	Adjusted Annual Revenue Based Upon Rate Determinants					\$431,294			
46	Book Revenues (Source: RMC1Y)					\$432,526			
47	Spread Factor (Adjusted Annual Revenue/Book Revenue)					99.715101%			

NOTE: Annual revenue at current rates doesn't include revenue from the REFS Rider.

Rate Changes Impacting Current Rates			
(\$0.00073)	effective 11/20/18		
(\$0.00011)	effective 11/20/18		
Values	effective 3/19/18		
\$0.0069	effective 6/1/2018		
\$0.00051	effective 9/1/2018		
\$0.00573	effective 12/1/2018		
(\$0.00044)	effective 12/1/2018		
\$0.00200	effective 11/20/19		

Duke Energy Progress, LLC  
NCLC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

From E-1 - Item 42(C) - Revised

### North Carolina Schedule SGS-TOU-CLR

Units			Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	ALL	Basic Customer Charge	COMT 72,541	\$21.00	\$1,523,361	\$21.00	\$1,523,361	0.0%
2	ALL - Constant Load Only	Energy Charges	RWH 31,704,226	\$0.08107	\$2,570,262	\$0.10148	\$3,217,345	25.2%
3	ALL	Three Phase Charge	COMT 0	\$7.00	\$0	\$7.00	\$0	0.0%
4 Rate Schedule Revenue					\$4,093,623		\$4,740,706	
5	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$4,085,751		\$4,731,590	
6	Plus Rider Revenues (None)				\$0		\$0	
7	Plus EE Opt-Out Credit				\$0		\$0	
8	Plus DSM Opt-Out Credit		0	(\$0.0020)	\$0	(\$0.0020)	\$0	
9 TOTAL REVENUE, Adjusted for Service Riders					\$4,085,751		\$4,731,590	15.8%
10	Remove Current Clause Revenue Adjustments							
11	Approved Fuel EMF Rider	RWH 31,704,226		\$0.00364	\$115,403	\$0.00364	\$115,403	
12	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH 31,704,226		\$0.00820	\$259,975	\$0.00820	\$259,975	
13	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH 31,704,226		\$0.00045	\$14,267	\$0.00045	\$14,267	
14	Rider JAA Revenue	RWH 31,704,226		\$0.00498	\$157,887	\$0.00498	\$157,887	
15	Rider EDIT Revenue	RWH 31,704,226		(\$0.00114)	(\$36,143)	(\$0.00114)	(\$36,143)	
16	Fuel Deficiency Rider FED	RWH 31,704,226		\$0.00052	\$16,486	\$0.00052	\$16,486	
17	Total Adjustments				\$527,875		\$527,875	
18 REVENUE, Excluding Existing Clause Riders					\$3,557,875		\$4,203,714	18.2%
19 Proposed Change in REVENUES for Rate Design							\$646,839	18.2%
20	Remove New Adjustment Riders							
21	Rider EDIT 1 Revenue Change		31,704,226		\$0.00020		\$6,341	
22	Rider EDIT 2 Revenue		31,704,226		(\$0.00440)		(\$139,499)	
23	Rider RCL 1 Revenue		31,704,226		(\$0.00005)		(\$1,585)	
24	Total Adjustments						(\$134,743)	
25 BASE REVENUES, Excluding New & Existing Clause Riders					\$3,557,875		\$4,338,457	
26 Proposed Change in Base Revenues, Excluding New Riders							\$780,582	21.9%
27 Spread Factor Calculation								
28	Annual Revenue at Current Rates				\$4,093,623			
29	Plus Rider Revenues (None)				\$0			
30	Less All Rate Adjustments (Test Year Rate Changes Adjusted by Known Revenues Sales)				\$305,168			
31	Impact of 1718 EE Rate Change	RWH 1,616,571		(\$404)				
32	Impact of 1718 DSM Rate Change	RWH 1,616,571		(\$178)				
33	Impact of 37618 Rate Case			\$25,297				
34	Impact of 6718 Fuel Deficiency Rider	RWH 13,225,545		\$47,516				
35	Impact of 9718 JRR Recovery Rider (expedited/reverse)	RWH 8,976,690		(\$4,578)				
36	Impact of 1219 Fuel Fed Tax and Coal Inventory Rate Change	RWH 20,515,223		\$714,852				
37	Impact of 1718 JAA Rate Change	RWH 30,515,222		(\$13,427)				
38	Impact of 1719 DSM/EE & MC Tax Reform Rider Rate Change	RWH 31,704,226		\$76,090				
39	Less 2018 EE Opt-Out Revenue (Source: RRC/EE & RRC/RCL CTR Reports)	DOLLARS 000,000		\$0				
40	Less 2018 DSM Opt-Out Revenue (Source: RRC/DSM CTR Reports)	DOLLARS 000,000		\$0				
41 Adjusted Annual Revenue Based Upon Rate Determinants					\$3,788,454			
42 Book Revenues (Source: RMC/TV)					\$3,781,169			
43 Spread Factor (Adjusted Annual Revenue/Book Revenue)					100.192668%			

Rate Changes Impacting Current Rates

(\$0.00020)	effective 11/1/2018
(\$0.00011)	effective 11/1/2018
Varies	effective 3/16/18
\$0.00059	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00073	effective 12/1/2018
(\$0.00044)	effective 12/1/2018
\$0.00040	effective 11/1/2019

NOTE: Annual revenue at current rates doesn't include revenue from the RCEFS Rider.

Duke Energy Progress, LLC  
NCJLC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Schedule MGS

1	Basic Customer Charge	COUNT	196.465	\$28.50	\$5,599,253	\$28.50	\$5,599,253	0.0%
2	Energy Charges	RWH	2,766,466.054	\$0.07379	\$204,137,530	\$0.08068	\$223,198,481	9.3%
3	Demand Charges	RW	12,803,236	\$6.15	\$78,739,902	\$6.72	\$86,037,747	9.3%
4	Three Phase Charge	COUNT	152,402	\$7.00	\$1,068,214	\$7.00	\$1,068,214	0.0%
5	Billed KWxH	RWHxH	196,693	\$0.32	\$62,942	\$0.32	\$62,942	0.0%
6	Rate Schedule Revenue			\$289,607,840	\$315,966,636			
7	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$289,634,665	\$316,214,105			
8	Plus Rider Revenues (See Worksheets Riders 9, LLC & SS)		277,655,593	(\$0.00820)	\$16,060	(\$0.00820)	\$16,060	
9	Plus EE Opt-Out Credit		281,057,305	(\$2,216,776)	(\$176,476)	(\$2,216,776)	(\$176,476)	
10	Plus DSM Opt-Out Credit			(\$0.00045)	(\$0.00045)	(\$0.00045)	(\$0.00045)	
11	TOTAL REVENUE, Adjusted for Service Riders			\$287,448,106	\$313,826,914			9.2%
12	Remove Current Clause Revenue Adjustments (Per Rider BA W GRT & Reg. Fee)							
13	Approved Fuel EMF Rider	RWH	2,766,466.054	\$0.00343	\$9,488,979	\$0.00343	\$9,488,979	
14	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	2,488,810.461	\$0.00820	\$20,408,246	\$0.00820	\$20,408,246	
15	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	2,485,408,749	\$0.00045	\$1,118,434	\$0.00045	\$1,118,434	
16	Rider JAA Revenue	RW	12,803,236	\$1.17	\$14,979,786	\$1.17	\$14,979,786	
17	Rider EDIT Revenue	RWH	2,766,466.054	(\$0.00114)	(\$3,153,771)	(\$0.00114)	(\$3,153,771)	
18	Fuel Deficiency Rider FED	RWH	2,766,466.054	\$0.00068	\$1,881,197	\$0.00068	\$1,881,197	
19	Total Adjustments			\$44,722,870	\$44,722,870			
20	REVENUE, Excluding Existing Clause Riders			\$242,725,236	\$269,104,044			
21	Proposed Change in REVENUES for Rate Design				\$26,378,808			10.9%
22	Remove New Adjustment Riders							
23	Rider EDIT-1 Revenue Change		2,766,466.054	\$0.00020	\$553,293	\$0.00020	\$553,293	
24	Rider EDIT-2 Revenue		2,766,466.054	(\$0.00247)	(\$6,833,171)	(\$0.00247)	(\$6,833,171)	
25	Rider RAL-1 Revenue		2,766,466.054	(\$0.00005)	(\$138,323)	(\$0.00005)	(\$138,323)	
26	Total Adjustments			\$0	(\$6,418,201)			
27	BASE REVENUES, Excluding New & Existing Clause Riders			\$242,725,236	\$275,522,245			
28	Proposed Change in Base Revenues, Excluding New Riders				\$32,797,009			13.5%
29	Spread Factor Calculation							
30	Annual Revenue at Current Rates			\$289,607,840				
31	Plus Rider Revenues (See Worksheets Riders 9, LLC & SS)			\$16,693				
32	plus Rider JRR Credit			(\$26,577)				
33	Less All Rate Adjustments (Test Year Rate Changes adjusted by Wren Revenue Share)		Impacted Unit	Revenue Impact				
34	Impact of 1718 EE Rate Change	RWH	133,392,262	(\$14,673)				
35	Impact of 1718 DSM Rate Change	RWH	133,392,262	(\$883,607)				
36	Impact of 371618 Rate Case							
37	Impact of 6718 Fuel Deficiency Rider	RWH	1,071,187,140	\$4,798,978				
38	Impact of 9718 JRR Recovery Rider (expired/reverse)	RWH	781,135,369	(\$386,187)				
39	Impact of 1218 Fuel Fed Tax and Coal Inventory Rate Change	RWH	2,675,05,146	\$9,392,006				
40	Impact of 1719 JAA Rate Change	RW	12,363,327	(\$3,090,582)				
41	Impact of 1719 DSMEE & NC Tax Reform Rider Rate Change	RWH	2,766,466.054	\$6,689,519				
42	Less 2018 EE Opt-Out Revenue (Source: RACRYE, RACRYE, CNA Reports)				\$1,618,536			
43	Less 2018 DSM Opt-Out Revenue (Source: RACRYE, RACRYE, CNA Reports)	DOLLARS			\$116,694			
44	Adjusted Annual Revenue Based upon Rate Determinants			\$271,442,680				
45	Book Revenues (Source: RMC1Y)			\$277,655,277				
46	Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.921740%				

NOTE: Annual revenue at current rates doesn't include revenue from the RFEs Rider.

Rate Changes Impacting Current Rates		
(\$0.0005)	effective 11/2018	
(\$0.0011)	effective 11/2018	
Varies	effective 3/16/18	
\$0.0048	effective 6/12/18	
\$0.0051	effective 9/12/18	
\$0.00351	effective 12/1/2018	
(\$0.28)	effective 12/1/2018	
\$0.00240	effective 11/2019	

Due Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Schedule SI

		Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	BLOCK 1 - FIRST 2,000 KWH	COUNT	7,993	\$28.50	\$227,801	\$28.50	0.0%
2	BLOCK 2 - ADDITIONAL KWH	KWH	8,019,958	\$0.1296	\$1,002,174	\$0.1354	8.4%
3	Energy Charges	KWH	34,851,196	\$0.10371	\$3,614,418	\$3,917,623	8.4%
4	Three Phase Charge	COUNT	3,141	\$7.00	\$21,987	\$21,987	0.0%
5	Customer Seasonal Change	COUNT	2,569	\$41.00	\$105,329	\$105,329	0.0%
6	Facilities Charge	KV	233,215	\$1.84	\$429,116	\$1.84	0.0%
7	Billed KVAR	KVAR	2,061	\$0.32	\$660	\$0.32	0.0%
8	Rate Schedule Revenue			\$5,401,484	\$5,788,728		
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$5,415,372	\$5,805,623		
10	Plus Rider Revenues (None)		2,505,233	(\$0.00820)	\$0	(\$0.00820)	
11	Plus EE Opt-Out Credit		2,380,993	(\$0.00045)	(\$1,161)	(\$0.00045)	
12	Plus DSM Opt-Out Credit				(\$1,161)		
13	TOTAL REVENUE, ADJUSTED for Service Riders			\$5,393,668	\$5,787,918		7.2%
14	Remove Current Cause Revenue Adjustments						
15	Approved Fuel EMF Rider	KWH	42,871,154	\$0.00343	\$147,048	\$0.00343	
16	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	40,386,921	\$0.00820	\$331,001	\$0.00820	
17	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	40,296,161	\$0.00045	\$18,131	\$0.00045	
18	Rider JAA Revenue	KWH	42,871,154	\$0.00449	\$192,491	\$0.00449	
19	Rider ED1 Revenue	KWH	42,871,154	(\$0.00114)	(\$48,873)	(\$0.00114)	
20	Fuel Deficiency Rider FED	KWH	42,871,154	\$0.00068	\$29,152	\$0.00068	
21	Total Adjustments			\$668,950	\$5,112,968	\$5,112,968	8.2%
22	REVENUE, Excluding Existing Cause Riders			\$4,724,718	\$388,250		
23	Proposed Change in REVENUES for Rate Design				\$8,574		
24	Remove New Adjustment Riders						
25	Rider ED1-1 Revenue Change		42,871,154	(\$0.00426)	(\$181,714)		
26	Rider ED1-2 Revenue		42,871,154	(\$2.144)	(\$2,144)		
27	Rider RAL-1 Revenue		42,871,154	(\$175.343)			
28	Total Adjustments			\$0			
29	BASE REVENUES, Excluding New & Existing Cause Riders			\$4,724,718	\$5,288,312		11.9%
30	Proposed Change in Base Revenues, Excluding New Riders				\$563,593		
31	Spread Factor Calculation			\$5,401,484			
32	Annual Revenue at Current Rates			\$0			
33	Plus Rider Revenues						
34	Less All Rate Adjustments (New Rate Changes adjusted by Annual Revenue Sales)						
35	Impact of 1/18 EE Rate Change	KWH	537,837	(\$134)	\$198,633		
36	Impact of 1/18 DSM Rate Change	KWH	537,837	(\$59)			
37	Impact of 3/16/18 Rate Case	KWH	6,086,306	\$32.462			
38	Impact of 6/18 Fuel Deficiency Rider	KWH		\$27.267			
39	Impact of 9/18 JRS Recovery Rider (expedited/reverse)	KWH	-17,052,976	(\$8.697)			
40	Impact of 12/18 JAA Rate Change	KWH	42,145,911	\$181.932			
41	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	42,145,910	(\$10.257)			
42	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	42,871,154	\$102.891			
43	Less 2018 EE Opt-Out Revenue (Source: REC/VEE, REC/VEE, C&I Reports)	DOLLARS		\$14,601	\$1,072		
44	Less 2018 DSM Opt-Out Revenue (Source: REC/VEE, REC/VEE, C&I Reports)	DOLLARS		\$5,181,717			
45	Adjusted Annual Revenue Based upon Rate Determinants			\$5,200,515			
46	Book Revenues (Source: RMC/CY)			99,743,528%			
47	Spread Factor (Adjusted Annual Revenue/Book Revenue)						

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider

Rate Changes Tracking Current Rates	
(\$0.00029)	effective 1/1/2018
(\$0.00017)	effective 1/1/2018
Varies	effective 3/16/18
\$0.0148	effective 6/1/2018
\$0.0051	effective 9/1/2018
(\$0.00343)	effective 12/1/2018
\$0.00296	effective 1/1/2019



Due Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Fom E-1 - Item 42(C) - Revised

North Carolina Schedule SCS-TOU

		Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
		Units	Billing Units	11/29/2019	Current Rates	Proposed Rates	In Rate
1	On-peak	COUNT	255,341	\$55.50	\$9,064,606	\$9,064,606	0.0%
2	Off-peak	KWH	3,383,558,528	\$0.00460	\$218,558,501	\$240,211,355	9.9%
3	On-peak	KWH	5,018,962,981	\$0.05235	\$262,142,712	\$288,191,130	9.9%
4	SUMMER (June-Sept Calendar)	KW	7,294,229	\$10.53	\$76,888,233	\$84,467,173	10.0%
5	NONSUMMER (Oct-May Calendar)	KW	13,554,853	\$8.85	\$119,888,452	\$131,888,722	9.9%
6	Off-peak Excess	KW	539,303	\$11.22	\$6,049,411	\$998,681	51.6%
7	Minimum Bill	KWH	0	\$0.04941	\$0	\$0	11.4%
8	Minimum Bill	KW	0	\$1.22	\$0	\$0	51.6%
9	Billed KVAR	KVAR	237,999	\$0.32	\$76,160	\$75,497,228	0.0%
10 Rate Schedule Revenue					\$687,868,856	\$754,355,336	
11 Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)					\$688,810,912	\$754,355,336	
12 Plus Minimum Bill & Rider Revenues (See Worksheets, MCS Minimum Bill & Riders 9, LLC, SS, & NFS)					(\$180,316)	(\$188,539)	
13 Plus EE Opt-Out Credit					(\$27,805,032)	(\$27,805,032)	
14 Plus DSM Opt-Out Credit					(\$1,565,577)	(\$1,565,577)	
15 TOTAL REVENUE, Adjusted for Service Riders					\$657,259,986	\$724,796,387	10.3%
16 Remove Current Cause Revenue Adjustments							
17	Approved Fuel EMF Rider	KWH	8,402,221,509	\$0.00343	\$28,819,620	\$28,819,620	
18	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	5,011,363,923	\$0.00820	\$41,093,184	\$41,093,184	
19	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	4,923,160,595	\$0.00045	\$2,215,422	\$2,215,422	
20	Rider JAA Revenue	KW	20,849,082	\$1.17	\$24,393,426	\$24,393,426	
21	Rider EDT Revenue	KWH	8,402,221,509	(\$0.00114)	(\$9,518,533)	(\$9,518,533)	
22	Fuel Deficiency Rider FED	KWH	8,402,221,509	\$0.00068	\$5,713,511	\$5,713,511	
23 Total Adjustments					\$92,656,631	\$652,199,757	
24 REVENUE, Excluding Existing Cause Riders					\$564,603,355	\$652,199,757	
25 Proposed Change in REVENUES For Rate Design						\$67,536,401	12.0%
26 Remove New Adjustment Riders							
27	Rider EDT-1 Revenue Change		8,402,221,509		\$0.00020	\$1,680,444	
28	Rider EDT-2 Revenue		8,402,221,509		(\$0.00247)	(\$20,753,487)	
29	Rider PAL-1 Revenue		8,402,221,509		(\$0.00005)	(\$420,111)	
29 Total Adjustments					\$0	\$651,632,150	
31 BASE REVENUES, Excluding New & Existing Cause Riders					\$564,603,355	\$651,632,150	
32 Proposed Change in Base Revenues, Excluding New Riders						\$87,029,555	15.4%
33 Spread Factor Calculation							
34 Annual Revenue at Current Rates					\$687,868,856		
35 Plus Minimum Bill & Rider Revenues (See Worksheets, MCS Minimum Bill & Riders 9, LLC, SS, & NFS)					(\$180,316)		
36 Less Rider JRR Credit					\$54,033,205		
37 Less All Rate Adjustments (Fuel & Rate Changes adjusted by Annual Revenue Sales)							
38	Impact of 1/18 EE Rate Change	KWH	436,518,910	Revenue Impact (\$109,149)			
39	Impact of 1/18 DSM Rate Change	KWH	436,518,910	Revenue Impact (\$48,224)			
40	Impact of 3/16/18 Rate Case			(\$3,116,234)			
41	Impact of 6/18 Fuel Deficiency Rider	KWH	3,298,700,481	\$14,778,178			
42	Impact of 9/18 JRR Recovery Rider (expedited/reversal)	KWH	2,304,756,122	(\$1,175,344)			
43	Impact of 12/18 Fuel, Fed Tar and Coal Inventory Rate Change	KWH	8,143,810,483	\$28,984,375			
44	Impact of 12/18 JAA Rate Change	KW	20,185,371	(\$5,096,343)			
45	Impact of 1/19 DSM/EE & NC Tar Reduction Rider Rate Change	KWH	8,402,221,509	\$20,165,332			
46	Less 2018 EE Opt-Out Revenue (Source: RUC/RYUC, C&I Reports)	DOLLARS			\$119,768,750		
47	Less 2018 DSM Opt-Out Revenue (Source: RUC/RYUC, C&I Reports)				\$1,446,599		
48 Adjusted Annual Revenue Based upon Rate Determinants					\$612,299,117		
49 Book Revenues (Source: RUC/RY)					\$611,317,514		
50 Spread Factor (Adjusted Annual Revenue/Book Revenue)					100.154028%		

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider

Rate Changes Impacting Current Rates	
(\$0.00029)	effective 11/2018
(\$0.00011)	effective 11/2018
Varies	effective 3/16/18
\$0.00448	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00351	effective 12/10/18
(\$0.25)	effective 12/10/18
\$0.10240	effective 11/2019

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

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North Carolina Schedule CH-T0UE

1	SUMMER On-peak (June-Sept Calendar)	Basic Customer Charge	2,709	\$35.50	\$96,170	\$35.50	0.0%
2	NONSUMMER On-peak (Oct-May Calendar)	Energy Charges	1,255,963	\$0.26929	\$350,232	\$0.28444	10.1%
3	Off-peak	Energy Charges	1,873,938	\$0.24313	\$465,611	\$0.26775	10.1%
4	Minimum Bill	Energy Charges	5,494,488	\$0.07365	\$404,669	\$0.08111	10.1%
5	Minimum Bill	Energy Charges	0	\$0.6513	\$0	\$0.05922	3.6%
6	Minimum Bill	Demand Charges	0	\$1.22	\$0	\$1.65	31.6%
7	Minimum Bill	Billed KWHR	0	\$0.32	\$0	\$0.32	0.0%
8	Rate Schedule Revenue				\$1,306,681	\$1,429,264	
9	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$1,304,159	\$1,426,507	
10	Plus Rider Revenues (Minimum Bill)				\$4,532	\$9,881	
11	Plus EE Opt-Out Credit		0	\$0	\$0	\$0	
12	Plus DSM Opt-Out Credit		0	\$0	\$0	\$0	
13	TOTAL REVENUE, Adjusted for Service Riders				\$1,308,691	\$1,436,388	9.8%
14	Remove Current Cause Revenue Adjustments						
15	Approved Fuel EMF Rider	KWH	8,724,389	\$0.00343	\$29,925	\$0.00343	\$29,925
16	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	8,724,389	\$0.00820	\$71,540	\$0.00820	\$71,540
17	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	8,724,389	\$0.00045	\$3,926	\$0.00045	\$3,926
18	Rider JAA Revenue	KWH	8,724,389	\$0.00372	\$32,485	\$0.00372	\$32,485
19	Rider EDT Revenue	KWH	8,724,389	\$0.00114	\$9,946	\$0.00114	\$9,946
20	Fuel Deficiency Rider FED	KWH	8,724,389	\$0.00068	\$5,933	\$0.00068	\$5,933
21	Total Adjustments				\$133,852	\$133,852	
22	REVENUE, Excluding Existing Cause Riders				\$1,174,859	\$1,302,536	
23	Proposed Change in REVENUES for Rate Design					\$127,696	10.9%
24	Remove New Adjustment Riders						
25	Rider EDT-1 Revenue Change		8,724,389	\$0.00020	\$1,745	\$0.00020	\$1,745
26	Rider EDT-2 Revenue		8,724,389	\$0.00247	\$21,549	\$0.00247	\$21,549
27	Rider ROL-1 Revenue		8,724,389	\$0.00005	\$446	\$0.00005	\$446
28	Total Adjustments			\$0	\$20,241		
29	BASE REVENUES, Excluding New & Existing Cause Riders				\$1,174,859	\$1,322,796	
30	Proposed Change in Base Revenues, Excluding New Riders					\$147,937	12.6%
31	Spread Factor Calculation						
32	Annual Revenue at Current Rates				\$1,306,681		
33	Plus Rider Revenues				\$4,532		
34	Less All Rate Adjustments (New Rate Changes adjusted by Annual Revenue Sales)				\$64,363		
35	Impact of 1/18 EE Rate Change	KWH	673,725	(\$168)			
36	Impact of 1/18 DSM Rate Change	KWH	673,725	(\$74)			
37	Impact of 3/16/18 Rate Case			\$4,122			
38	Impact of 6/18 Fuel Deficiency Rider	KWH	3,667,855	\$16,432			
39	Impact of 9/18 JRR Recovery Rider (expedited/reverse)	KWH	-2,283,571	(\$1,138)			
40	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	8,362,159	\$29,351			
41	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	8,362,159	(\$5,101)			
42	Less 2018 EE Opt-Out Revenue (Source: RUCRYUC, RUCRYUC, C&I Reports)	KWH	8,724,389	\$20,919			
43	Less 2018 DSM Opt-Out Revenue (Source: RUCRYUC, RUCRYUC, C&I Reports)	DOLLARS		\$0			
44	Adjusted Annual Revenue Based upon Rate Determinants				\$1,246,850		
45	Book Revenues (Source: RUCRY)				\$1,244,444		
46	Spread Factor (Adjusted Annual Revenue/Book Revenue)				100.193331%		

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider

Rate Changes Impacting Current Rates			
(\$0.0026)	effective 11/20/18		
(\$0.0011)	effective 11/20/18		
Varies	effective 3/16/18		
\$0.0046	effective 6/12/18		
\$0.0051	effective 9/12/18		
\$0.0031	effective 12/10/18		
(\$0.0006)	effective 12/10/18		
\$0.00240	effective 11/20/19		

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Schedule GS-TES

		Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
		Units	11/29/2019	Current Rates	Proposed Rates	In Rate	
1	ALL (< 1 MW)						
2	ALL (1 MW or greater)	COAST	36	\$35.50	\$1,278	\$35.50	0.0%
3	On-peak	COAST	24	\$200.00	\$4,860	\$200.00	0.0%
4	Off-peak	KWH	4,007,197	\$0.0510	\$272,782	\$0.0510	0.0%
5	SUMMER (June-Sept Calendar)	KWH	17,812,403	\$0.06057	\$272,782	\$0.05465	8.5%
6	NONSUMMER (Oct-May Calendar)	KW	20,778	\$12.31	\$900,173	\$977,070	8.5%
7	Off-peak Excess	KW	23,453	\$11.04	\$255,726	\$277,539	8.5%
8	Minimum Bill	KW	12,172	\$1.22	\$288,924	\$288,970	8.5%
9	Minimum Bill	KW	0	\$0.0941	\$0	\$0	11.4%
10	Minimum Bill	KW	0	\$1.22	\$0.0502	\$0	51.6%
11	Rate Schedule Revenue	KWH	419	\$0.32	\$134	\$1795,174	0.0%
12	Annual Revenue at Current(gross Rates) (Adjusted for Spread Factor)			\$1,653,363	\$1,799,836	\$3,147	
13	Plus Rider Revenues (Minimum Bill)			\$1,944	\$3,147		
14	Plus EE Opt-Out Credit			(\$13,564)	(\$13,564)		
15	Plus DSM Opt-Out Credit			(\$3,244)	(\$3,244)		
16	TOTAL REVENUE, Adjusted for Service Riders			\$1,640,998	\$1,786,674	9.0%	
17	Remove Current Cause Revenue Adjustments	KWH	21,819,600	\$0.00343	\$74,841	\$0.00343	
18	Approved Fuel EMT Rider	KWH	20,165,400	\$0.00820	\$165,356	\$0.00820	
19	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	20,165,400	\$0.00045	\$9,074	\$0.00045	
20	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KW	44,227	\$1.17	\$51,746	\$1.17	
21	Rider JAA Revenue	KW	21,819,600	(\$0.00114)	(\$24,874)	(\$0.00114)	
22	Rider EDT Revenue	KWH	21,819,600	\$0.00068	\$14,837	\$0.00068	
23	Fuel Deficiency Rider FED			\$290,981	\$290,981		
24	Total Adjustments			\$1,350,017	\$1,617,692	10.0%	
25	REVENUE, Excluding Existing Cause Riders			\$1,350,017	\$1,617,692	10.0%	
26	Proposed Change in REVENUES for Rate Design						
27	Remove New Adjustment Riders						
28	Rider EDT-1 Revenue Change		21,819,600	\$0.00020	\$4,364	\$0.00020	
29	Rider EDT-2 Revenue		21,819,600	(\$0.00005)	(\$53,894)	(\$0.00047)	
30	Rider PAL-1 Revenue			\$0	(\$1,091)	(\$1,091)	
31	Total Adjustments			\$1,350,017	(\$50,621)		
32	BASE REVENUES, Excluding New & Existing Cause Riders			\$1,348,315	\$1,566,315	14.7%	
33	Proposed Change in BASE REVENUES, Excluding New Riders						
34	Spread Factor Calculation						
35	Annual Revenue at Current Rates			\$1,650,000			
36	Plus Rider Revenues			\$1,944			
37	Less All Rate Adjustments (See Row 24; Rate Changes Adjusted by Annual Revenue Sales)						
38	Impact of 1/18 EE Rate Change	KWH	708,075	(\$177)			
39	Impact of 1/18 DSM Rate Change	KWH	708,075	(\$79)			
40	Impact of 3/16/18 Rate Case			(\$5,603)			
41	Impact of 6/18 Fuel Deficiency Rider	KWH	5,730,200	\$25,671			
42	Impact of 9/18 JRR Recovery Rider (expedited/reversed)	KWH	-5,986,325	(\$3,053)			
43	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	21,530,021	\$75,570			
44	Impact of 12/18 JAA Rate Change	KW	41,778	(\$10,945)			
45	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	21,819,600	\$52,367			
46	Less 2018 EE Opt-Out Revenue (Source: REC/VEE, REC/VEE Call Reports)	DOLLARS		\$9,633			
47	Less 2018 DSM Opt-Out Revenue (Source: REC/VEE, REC/VEE Call Reports)			\$663			
48	Adjusted Annual Revenue Based upon Rate Determinants			\$1,507,874			
49	Book Revenues (Source: RMCV)			\$1,510,948			
50	Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.794570%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider

Rate Changes Impacting Current Rates	
(\$0.0026)	effective 11/20/18
(\$0.0011)	effective 11/20/18
Varies	effective 3/16/18
\$0.0046	effective 6/12/18
\$0.0051	effective 9/12/18
\$0.0051	effective 12/10/18
(\$0.20)	effective 12/10/18
\$0.00240	effective 11/20/19

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Schedule APH-IES

Units				Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
1	On-peak	Basic Customer Charge	COAST	36	\$35.50	\$1,278	\$35.50	\$1,278	0.0%
2	Energy Charges		KWH	5,40,649	\$0.05310	\$28,708	\$0.05760	\$31,141	8.5%
3	Off-peak	Energy Charges	KWH	1,525,151	\$0.06057	\$91,717	\$0.05485	\$83,665	8.5%
4	SUMMER (June-Sept Calendar)	Demand Charges	KW	2,002	\$12.31	\$24,639	\$13.36	\$26,740	8.5%
5	NONSUMMER (Oct-May Calendar)	Demand Charges	KW	2,900	\$11.04	\$32,017	\$11.96	\$34,743	8.5%
6	Off-peak Excess	Demand Charges	KW	100	\$1.22	\$122	\$1.65	\$165	35.6%
7	Minimum Bill	Energy Charges	KWH	0	\$0.09441	\$0	\$0	\$0	11.4%
8	Minimum Bill	Demand Charges	KW	0	\$1.22	\$0	\$1.65	\$0	11.4%
9	Blank KVAR		KVAR	0	\$0.32	\$0	\$0.32	\$0	0.0%
10 Rate Schedule Revenue							\$163,891	\$177,742	
11 Annual Revenue at Current(grossed Rates) (adjusted for Spread Factor)							\$164,245	\$178,726	
12 Plus Rider Revenues (Minimum Bill)							\$2	\$8	
13 Plus EE Opt-Out Credit							(\$16,940)	(\$16,940)	
14 Plus DSM Opt-Out Credit							(9930)	(9930)	
15 TOTAL REVENUE, Adjusted for Service Riders							\$146,378	\$160,204	9.5%
16 Remove Current Cause Revenue Adjustments									
17	Approved Fuel EMF Rider		KWH	2,065,800	\$0.00343	\$7,086	\$0.00343	\$7,086	
18	EE Revenue (Adjusted for Opt-Out Sales & Revenues)		KWH	0	\$0.00820	\$0	\$0.00820	\$0	
19	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)		KWH	0	\$0.00045	\$0	\$0.00045	\$0	
20	Rider JAA Revenue		KW	4,902	\$1.17	\$5,735	\$1.17	\$5,735	
21	Rider EDT Revenue		KWH	2,065,800	(\$0.00114)	(\$2,355)	(\$0.00114)	(\$2,355)	
22	Fuel Deficiency Rider FED		KWH	2,065,800	\$0.00068	\$1,405	\$0.00068	\$1,405	
23 Total Adjustments							\$11,870	\$11,870	
24 REVENUE, Excluding Existing Cause Riders							\$134,507	\$148,334	
25 Proposed Change in REVENUES for Rate Design							\$13,887	\$13,887	10.3%
26	Remove New Adjustment Riders								
27	Rider EDT-1 Revenue Change			2,065,800		\$0.00020	\$413	\$413	
28	Rider EDT-2 Revenue			2,065,800		(\$0.00247)	(\$5,103)	(\$5,103)	
29	Rider PDL-1 Revenue			2,065,800		(\$0.00005)	(\$103)	(\$103)	
30 Total Adjustments							\$0	\$0	
31 BASE REVENUES, Excluding New & Existing Cause Riders							\$134,507	\$153,187	
32 Proposed Change in Base Revenues, Excluding New Riders							\$18,680	\$18,680	13.9%
33 Spread Factor Calculation									
34	Annual Revenue at Current Rates						\$163,891	\$138,228	
35	Plus Rider Revenues						\$2	\$8	
36	Less All Rate Adjustments (see Row 30; Rate Changes adjusted by Item Revenue Sales)								
37	Impact of 1/18 EE Rate Change		KWH	67,866	(\$17)	\$13,071			
38	Impact of 1/18 DSM Rate Change		KWH		(\$54)				
39	Impact of 3/16/18 Rate Case		KWH	663,360	\$2,972				
40	Impact of 6/18 Fuel Deficiency Rider		KWH	-449,132	(\$29)				
41	Impact of 9/18 JRR Recovery Rider (expired/reversed)		KWH	2,038,348	\$1,155				
42	Impact of 12/18 JAA Rate Change		KW	4,823	(\$1,206)				
43	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change		KWH	2,065,800	\$4,998				
44	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change					\$12,036			
45	Less 2018 EE Opt-Out Revenue (Source: REC/VEE, REC/VEE Call Reports)		DOLLARS			\$856			
46 Adjusted Annual Revenue Based upon Rate Determinants							\$137,920	\$137,920	
47 Book Revenues (Source: RMCV)							\$138,228	\$138,228	
48 Spread Factor (Adjusted Annual Revenue/Book Revenue)							99.794655%	99.794655%	

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider

Rate Changes Impacting Current Rates	
(\$0.0025)	effective 11/20/18
(\$0.0011)	effective 11/20/18
Varies	effective 3/16/18
\$0.0046	effective 6/12/18
\$0.0051	effective 9/12/18
\$0.0051	effective 12/12/18
(\$0.20)	effective 12/12/18
\$0.00240	effective 11/20/19

Duke Energy Progress, LLC  
 NCJLC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

### North Carolina Schedule CSE

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1							
2							
3							
4							
5							
6							
7	Rate Schedule Revenue						
8	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)						
9	Plus Minimum Bill & Rider Revenues (See Worksheet MCS Minimum Bill)						
10	Plus EE Opt-Out Credit						
11	Plus DSM Opt-Out Credit						
12	TOTAL REVENUE, Adjusted for Service Riders						
13	Remove Current Clause Revenue Adjustments						
14	Approved Fuel EMF Rider						
15	EE Revenue (Adjusted for Opt-Out Sales & Revenues)						
16	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)						
17	Rider JAA Revenue						
18	Rider EDIT Revenue						
19	Fuel Deficiency Rider FED						
20	Total Adjustments						
21	REVENUE, Excluding Existing Clause Riders						
22	Proposed Change in REVENUES for Rate Design						
23	Remove New Adjustment Riders						
24	Rider EDIT-1 Revenue Change						
25	Rider EDIT-2 Revenue						
26	Rider RAL-1 Revenue						
27	Total Adjustments						
28	BASE REVENUES, Excluding New & Existing Clause Riders						
29	Proposed Change in Base Revenues, Excluding New Riders						
30	Spread Factor Calculation						
31	Annual Revenue at Current Rates						
32	Plus Rider Revenues						
33	Less All Rate Adjustments (Test Year Rate Changes adjusted by Wren Revenue Share)						
34	Impact of 1/18 EE Rate Change						
35	Impact of 1/18 DSM Rate Change						
36	Impact of 3/16/18 Rate Case						
37	Impact of 6/18 Fuel Deficiency Rider						
38	Impact of 9/18 JRR Recovery Rider (expired/reversed)						
39	Impact of 12/18 Fuel Fed Tax and Coal Inventory Rate Change						
40	Impact of 1/18 JAA Rate Change						
41	Impact of 1/19 DSMEE & NC Tax Reform Rider Rate Change						
42	Less 2018 EE Opt-Out Revenue (Source: RAC/VE - RAC/VE CTR Reports)						
43	Less 2018 DSM Opt-Out Revenue (Source: RAC/VEDO - RAC/VEDO CTR Reports)						
44	Adjusted Annual Revenue Based upon Rate Determinants						
45	Book Revenues (Source: RAC/TV)						
46	Spread Factor (Adjusted Annual Revenue/Book Revenue)						

NOTE: Annual revenue at current rates doesn't include revenue from the RFPs Rider.

Rate Changes Imposed/Current Rates	
(\$0.0029)	effective 11/2018
(\$0.0011)	effective 11/2018
Varies	effective 3/16/18
\$0.0048	effective 6/12018
\$0.0051	effective 9/12018
\$0.0051	effective 12/12018
(\$0.0061)	effective 12/12018
\$0.0026	effective 11/2019

North Carolina Schedule CSG

	Units	Test Year Billing Units	Current Rates @ 1/1/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1							
2	Basic Customer Charge	COUNT	12	\$342	\$28.50	\$342	0.0%
3	Energy Charges	RWH	25,680	\$4,188	\$0.17774	\$4,564	9.0%
4	Three Phase Charge	COUNT	12	\$84	\$7.00	\$84	0.0%
5	Energy Charges	RWH	0	\$0	\$0.05502	\$0	3.6%
6	Minimum Bill	RWH	0	\$0	\$3.45	\$0	25.9%
7	Minimum Bill	RWH	0	\$0	\$0.32	\$0	0.0%
8	Blended kWh	RWH	0	\$0	\$0.32	\$0	0.0%
9	Rate Schedule Revenue			\$4,614		\$4,990	
10	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$4,614		\$4,990	
11	Plus Minimum Bill & Rider Revenues (See Worksheet MCS Minimum Bill)			\$121	\$212	\$0	
12	Plus EE Opt-Out Credit		0	\$0	(\$0.00820)	\$0	
13	Plus DSM Opt-Out Credit		0	\$0	(\$0.00045)	\$0	
14	TOTAL REVENUE, Adjusted for Service Riders			\$4,735		\$5,202	9.9%
15	Remove Current Clause Revenue Adjustments						
16	Approved Fuel EMF Rider	RWH	25,680	\$88	\$0.00343	\$88	
17	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	25,680	\$271	\$0.00820	\$271	
18	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	25,680	\$12	\$0.00045	\$12	
19	Rider JAA Revenue	RWH	25,680	\$96	\$0.00372	\$96	
20	Rider EDIT Revenue	RWH	25,680	(\$29)	(\$0.00114)	(\$29)	
21	Fuel Deficiency Rider FED	RWH	25,680	\$17	\$0.00068	\$17	
22	Total Adjustments			\$394		\$394	
23	REVENUE, Excluding Existing Clause Riders			\$4,341		\$4,806	
24	Proposed Change in REVENUES for Rate Design			\$467		\$407	10.8%
25	Remove New Adjustment Riders						
26	Rider EDIT-1 Revenue Change		25,680	\$5	\$0.00020	\$5	
27	Rider EDIT-2 Revenue		25,680	(\$63)	(\$0.00247)	(\$63)	
28	Rider RAL-1 Revenue		25,680	(\$1)	(\$0.00005)	(\$1)	
29	Total Adjustments			\$0		(\$60)	
30	BASE REVENUES, Excluding New & Existing Clause Riders			\$4,341		\$4,686	
31	Proposed Change in Base Revenues, Excluding New Riders					\$527	12.1%
32	Spread Factor Calculation						
33	Annual Revenue at Current Rates			\$4,614			
34	Plus Rider Revenues			\$121			
35	Less All Rate Adjustments (Test Year Rate Changes adjusted by Mean Revenue Share)						
36	Impact of 1/18 EE Rate Change	RWH	4,385	(\$1.10)			
37	Impact of 1/18 DSM Rate Change	RWH		(\$0.48)			
38	Impact of 3/16/18 Rate Case	RWH		(\$90.10)			
39	Impact of 6/18 Fuel Deficiency Rider	RWH	15,280	\$68.45			
40	Impact of 9/18 JAR Recovery Rider (expired/reversed)	RWH	4,600	(\$3.37)			
41	Impact of 1/218 Fuel Fed Tax and Coal Inventory Rate Change	RWH	24,501	\$86.40			
42	Impact of 1/218 JAA Rate Change	RWH	24,501	(\$14.96)			
43	Impact of 1/19 DSMEE & NC Tax Reform Rider Rate Change	RWH	25,680	\$61.63			
44	Less 2018 EE Opt-Out Revenue (Source: RAC/RYE, CM Reports)	DOLLARS		\$0			
45	Less 2018 DSM Opt-Out Revenue (Source: RAC/RYE, CM Reports)	DOLLARS		\$0			
46	Adjusted Annual Revenue Based upon Rate Determinants			\$4,629			
47	Book Revenues (Source: RAC/1Y)			\$4,629			
48	Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.999950%			

NOTE: Annual revenue at current rates doesn't include revenue from the RFPs Rider.

Rate Changes Imposed Current Rates	
(\$0.00020)	effective 1/1/2018
(\$0.00011)	effective 1/1/2018
Varies	effective 3/16/18
\$0.00448	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00051	effective 12/1/2018
(\$0.00061)	effective 12/1/2018
\$0.00040	effective 1/1/2019

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

## North Carolina Schedule LGS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	Basic Customer Charge	COUNT	1,086	\$200.00	\$200.00	\$217,200	0.0%
2	Energy Charges	KWH	1,149,922.810	\$0.05796	\$0.06327	\$72,755,616	9.2%
3	BLOCK 1 - FIRST 5,000 KW	KW	2,348,301	\$12.96	\$14.15	\$33,228,464	9.2%
4	BLOCK 2 - NEXT 5,000 KW	KW	152,579	\$11.96	\$13.15	\$2,006,416	9.9%
5	BLOCK 3 - ABOVE 10,000 KW	KW	121,313	\$10.96	\$12.15	\$1,473,958	10.9%
6	Transmission Demand	KW	32,456	(\$0.50)	(\$0.53)	(\$17,202)	6.0%
7	Transmission Energy	KWH	10,787,501	(\$0.00043)	(\$0.00020)	(\$2,158)	-53.5%
8	Distribution Demand	KW	109,461	(\$0.43)	(\$0.45)	(\$49,257)	4.7%
9	Distribution Energy	KWH	46,886,400	(\$0.00005)	(\$0.00008)	(\$3,751)	60.0%
10	Transformation Discount	KVAR	332,540	\$0.32	\$0.32	\$106,413	0.0%
11	Rate Schedule Revenue			\$100,491,287		\$109,715,699	
12	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$101,780,368		\$111,123,109	
13	Plus Rider Revenues (See Worksheets- Riders 7, 9, 68, 1PS, LLC, NFS & SS)			(\$1,154,815)		(\$1,179,185)	
14	Plus Adjustments (see Curr/Prop Adjustment for LGS-RTP and Rider NFS)			(\$239,836)		(\$242,123)	
15	Plus EE Opt-Out Credit		991,383,173	(\$0.00820)	(\$0.00820)	(\$8,129,342)	
16	Plus DSM Opt-Out Credit		1,011,504,475	(\$0.00045)	(\$0.00045)	(\$455,177)	
17	TOTAL REVENUE, Adjusted for Service Riders			\$91,801,197		\$101,117,282	10.1%
18	Remove Current Clause Revenue Adjustments						
19	Approved Fuel EMF Rider	KWH	1,149,922.810	\$0.01039	\$0.01039	\$11,947,698	
20	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	158,539,637	\$0.00820	\$0.00820	\$1,300,025	
21	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	138,418,335	\$0.00045	\$0.00045	\$62,288	
22	Rider JAA Revenue	KW	2,622,194	\$1.36	\$1.36	\$3,566,184	
23	Rider EDIT Revenue	KWH	1,149,922.810	(\$0.00114)	(\$0.00114)	(\$1,310,912)	
24	Fuel Deficiency Rider FED	KWH	1,149,922.810	\$0.00002	\$0.00002	\$22,998	
25	Total Adjustments			\$15,588,281		\$15,588,281	
26	REVENUE, Excluding Existing Clause Riders			\$76,212,916		\$85,529,001	
27	Proposed Change in REVENUES For Rate Design					\$9,316,085	12.2%
28	Remove New Adjustment Riders						
29	Rider EDIT-1 Revenue Change		1,149,922.810		\$0.00020	\$229,985	
30	Rider EDIT-2 Revenue		1,149,922.810		(\$0.00171)	(\$1,966,368)	
31	Rider RAL-1 Revenue		1,149,922.810		(\$0.00005)	(\$57,496)	
32	Total Adjustments			\$0		(\$1,793,880)	
33	BASE REVENUES, Excluding New & Existing Clause Riders			\$76,212,916		\$87,322,880	
34	Proposed Change in Base Revenues, Excluding New Riders					\$11,109,964	14.6%
35	Spread Factor Calculation						
36	Annual Revenue at Current Rates			\$100,491,287			



Form E-1 - Item 42(C) - Revised

Units	Test Year	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
Billing Units						

Rate Changes Impacting Current Rates	
(\$0.00025)	effective 1/1/2018
(\$0.00011)	effective 1/1/2018
Varies	effective 3/16/18
\$0.00016	effective 6/1/2018
\$0.00051	effective 9/1/2018
\$0.00101	effective 12/1/2018
(\$0.11)	effective 12/1/2019
\$0.00240	effective 1/1/2018

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Duke Energy Progress, LLC  
NOLIC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

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North Carolina Schedule LGS-TOU

		Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percents Change in Rate
North Carolina Schedule LGS-TOU								
1	On-Peak	COAL	2,337	\$200.00	\$467,400	\$200.00	\$467,400	0.0%
2	Off-Peak	COAL	2,665,224,429	\$13.46	\$35,853,317	\$13.46	\$35,853,317	0.0%
3	On-Peak	NW	4,645,931	\$0.00	\$0.00	\$0.00	\$0.00	0.0%
4	SLAMMER (L/S) BLOCK 1 - FIRST 5,000 KW	NW	2,118,688	\$20.29	\$42,988,181	\$20.29	\$42,988,181	0.0%
5	SLAMMER (L/S) BLOCK 2 - NEXT 5,000 KW	NW	6,691,582	\$19.29	\$11,302,042	\$21.21	\$14,166,040	10.0%
6	SLAMMER (L/S) BLOCK 3 - ABOVE 10,000 KW	NW	1,947,681	\$18.29	\$35,623,083	\$20.21	\$39,362,630	10.5%
7	NONSLAMMER (O/M) BLOCK 1 - FIRST 5,000 KW	NW	4,150,385	\$15.15	\$62,878,330	\$16.59	\$68,654,884	9.5%
8	NONSLAMMER (O/M) BLOCK 2 - NEXT 5,000 KW	NW	1,373,839	\$14.15	\$19,439,820	\$15.59	\$21,418,148	10.2%
9	NONSLAMMER (O/M) BLOCK 3 - ABOVE 10,000 KW	NW	3,118,622	\$13.15	\$41,009,881	\$14.59	\$45,500,697	11.0%
10	Off-Peak Excess	NW	353,393	\$0.89	\$314,620	\$1.13	\$399,334	27.0%
11	Transmission Demand	NW	1,030,964	(\$0.50)	(\$515,332)	(\$0.53)	(\$546,252)	6.8%
12	Transmission Energy	NW	623,597,666	(\$0.20)	(\$124,719,332)	(\$0.20)	(\$124,719,332)	0.0%
13	Transmission Demand Discount	NW	623,597,666	(\$0.43)	(\$268,147,818)	(\$0.45)	(\$281,496,477)	5.35%
14	Distribution Energy	NW	203,582,706	(\$0.0005)	(\$20,358,271)	(\$0.0008)	(\$16,287,019)	60.0%
15	Distribution Demand Discount	NW	866,691	\$0.32	\$277,341	\$0.32	\$277,341	0.0%
16	Rate Schedule Revenue				\$580,213,145		\$638,766,072	
17	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$582,531,209		\$641,318,072	
18	Rate Rider Revenues (See Worksheets Riders 7, 46, JPS, LLC, ED, SS, & MP-S)				(\$3,898,127)		(\$4,048,027)	
19	Rate Adjustments (See Worksheets Riders 7, 46, JPS, LLC, ED, SS, & MP-S)				(\$61,315,991)		(\$74,933,271)	
20	Rate Adjustments (See Worksheets Schedule LGS-RTP-TOU Current/Proposed)				(\$57,906,230)		(\$57,906,230)	
21	Rate EIT Credit				(\$3,173,200)		(\$3,173,200)	
22	Rate EIT Credit Credit				\$456,237,661		\$507,257,345	9.9%
23	Rate EIT Credit Adjusted for Revenue Riders							
24	Rate EIT Credit Adjustments							
25	Approved Fuel EIT Rider	NW	7,299,886,370	\$0.0039	\$15,845,819	\$0.0039	\$15,845,819	0.0%
26	EIT Revenue (Adjusted for GCU Sales & Revenue)	NW	2,38,151,028	\$0.00820	\$1,952,838	\$0.00820	\$1,952,838	0.0%
27	DSM Revenue (Adjusted for GCU Sales & Revenue)	NW	2,48,310,028	\$0.00045	\$1,111,749	\$0.00045	\$1,111,749	0.0%
28	Rider JAA Revenue	NW	13,398,797	\$1.36	\$18,222,344	\$1.36	\$18,222,344	0.0%
29	Rider EIT Revenue	NW	7,299,886,370	(\$0.0014)	(\$8,321,870)	(\$0.0014)	(\$8,321,870)	0.0%
30	Fuel Deficiency Rider FED	NW		\$0.00002	\$145,998	\$0.00002	\$145,998	0.0%
31	Total Adjustments				\$87,956,898		\$87,956,898	
32	Rate EIT Revenue Excluding Fuel Deficiency Riders				\$567,260,763		\$613,300,447	12.2%
33	Proposed Change in REVENUE for Rate Design						\$45,079,684	
34	Revenue at Current Rates				\$567,260,763		\$613,300,447	
35	Rider EIT-1 Revenue Change				7,299,886,370		\$1,459,977	
36	Rider EIT-2 Revenue				7,299,886,370		(\$12,482,806)	
37	Rider PDL-1 Revenue				7,299,886,370		(\$564,994)	
38	Total Adjustments				\$0		(\$11,587,823)	
39	BASE REVENUES, Excluding New & Existing Charge Riders				\$567,260,763		\$624,888,270	15.3%
40	Proposed Change in Base Revenues, Excluding New Riders						\$56,607,506	
41	Spread Factor Calculation							
42	Annual Revenue at Current Rates				\$580,213,145			
43	Rate Riders				(\$3,898,127)			
44	Rate Adjustments (See Worksheets Schedule LGS-RTP-TOU Current/Proposed)				(\$61,315,991)			
45	Rate Rider RRR Credit				(\$2,994,864)			
46	Less All Rate Adjustments (net of rate change adjusted by Admin Revenue Share)							
47	Impact of 1/18 EIT Rate Change	NW	718,837,529	\$179,709				
48	Impact of 3/16/18 Rate Change	NW		(\$70,772)				
49	Impact of 6/18 Fuel Deficiency Rider	NW		\$3,892,802				
50	Impact of 12/18 JAA Rate Change	NW	3,164,580,290	\$0.6,973				
51	Impact of 12/18 JRR Recovery Rider (expedite/reverse)	NW		-\$1,68,442,520				
52	Impact of 12/18 Fuel Tax and Coal Inventory Rate Change	NW	7,117,683,514	\$1,299,233				
53	Impact of 12/18 EIT Rate Change	NW		\$1,386,723				
54	Less 2018 EIT Pay Out Revenue (See Worksheet Riders 7, 46, JPS, LLC, ED, SS, & MP-S)	NW	7,299,886,370	\$173,707,22				
55	Less 2018 DSM On-Off Revenue (See Worksheet Riders 7, 46, JPS, LLC, ED, SS, & MP-S)	NW	100,485					
56	Adjusted Annual Revenue Based upon Rate Parameters				\$41,795,043			
57	Book Revenues (Source: RMCTV)				\$2,969,347			
58	Adjusted Annual RevenueBook Revenue)				\$442,141,862			
59	Spread Factor (Adjusted Annual RevenueBook Revenue)				\$9,462,070%			

NOTE: Annual revenue at current rates doesn't include revenue from the RTPS Rider.  
\* Usage used in calculating the spread factor for schedule LGS-RTP reflects Customer Baseline Usage.

Base Charge Line-SD Current Rates	
(\$0.0003)	effective 11/20/18
(\$0.0007)	effective 11/20/18
(\$0.0006)	effective 3/16/18
\$0.0006	effective 6/10/18
\$0.0003	effective 9/10/18
\$0.0113	effective 12/10/18
\$0.0010	effective 11/20/18

Duke Energy Progress, LLC  
NCJLC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Units	Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
	Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	In Rate

### North Carolina Schedule SFLS

1	Basic Customer Charge	COUNT	936	\$28.50	\$26,676	\$28.50	\$26,676	0.0%
2	Energy Charges	RWH	1,143,429	\$0.06163	\$70,470	\$0.06767	\$77,376	9.8%
3	Demand Charges	RW	91,301	\$1.24	\$113,213	\$1.37	\$125,082	10.5%
4	Three Phase Charge	COUNT	282	\$7.00	\$1,974	\$7.00	\$1,974	0.0%
5	Billed KYAR	KYAR	0	\$0.32	\$0	\$0.32	\$0	0.0%
6	Disconnected/Connect Charge	COUNT	0	\$17.00	\$0	\$9.14	\$0	-46.2%
7	Rate Schedule Revenue				\$212,333		\$231,108	
8	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)				\$271,906		\$230,643	
9	Plus Rider Revenues (None)			\$0	\$0		\$0	
10	Plus EE Opt-Out Credit		94,940	(\$0.00100)	(\$95)	(\$0.00100)	(\$95)	
11	Plus DSM Opt-Out Credit		94,940	\$0.00000	\$0	\$0.00000	\$0	
12	TOTAL REVENUE, Adjusted for Service Riders				\$271,811		\$230,548	8.8%
13	Remove Current Clause Revenue Adjustments							
14	Approved Fuel EMF Rider	RWH	1,143,429	\$0.00866	\$10,131	\$0.00866	\$10,131	
15	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	1,048,489	\$0.00100	\$1,048	\$0.00100	\$1,048	
16	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	1,048,489	\$0.00000	\$0	\$0.00000	\$0	
17	Rider JAA Revenue	RWH	1,143,429	\$0.00000	\$0	\$0.00000	\$0	
18	Rider EDIT Revenue	RWH	1,143,429	(\$0.00114)	(\$1,304)	(\$0.00114)	(\$1,304)	
19	Fuel Deficiency Rider FED	RWH	1,143,429	(\$0.00066)	(\$526)	(\$0.00066)	(\$526)	
20	Total Adjustments			\$9,350			\$9,350	
21	REVENUE, Excluding Existing Clause Riders				\$202,461		\$221,199	
22	Proposed Change in REVENUES for Rate Design						\$18,788	9.3%
23	Remove New Adjustment Riders							
24	Rider EDIT-1 Revenue Change		1,143,429			\$0.00020	\$229	
25	Rider EDIT-2 Revenue		1,143,429			(\$0.00704)	(\$8,060)	
26	Rider RAL-1 Revenue		1,143,429			(\$0.0005)	(\$57)	
27	Total Adjustments				\$0		(\$7,878)	
28	BASE REVENUES, Excluding New & Existing Clause Riders				\$202,461		\$229,077	
29	Proposed Change in Base Revenues, Excluding New Riders						\$26,616	13.1%
30	Spread Factor Calculation							
31	Annual Revenue at Current Rates				\$212,333			
32	Plus Rider Revenues				\$0			
33	Less All Rate Adjustments (Test Year Rate Changes Adjusted by Mean Revenue Sales)	RWH	23,933	(\$1)				
34	Impact of 1718 EE Rate Change	RWH	23,933	\$0	\$11,137			
35	Impact of 1718 DSM Rate Change	RWH		(\$77)				
36	Impact of 171618 Rate Case	RWH						
37	Impact of 6718 Fuel Deficiency Rider	RWH	451,246	(\$1,264)				
38	Impact of 9718 JAR Recovery Rider (expired/reversed)	RWH	-400,255	(\$206)				
39	Impact of 1218 Fuel Fed Tax and Coal Inventory Rate Change	RWH	1,105,047	\$12,774				
40	Impact of 1218 JAA Rate Change	RWH		\$0				
41	Impact of 1719 DSMEE & NC Tax Reform Rider Rate Change	RWH	1,143,429	(\$91)	\$101			
42	Less 2018 EE Opt-Out Revenue (Source: RACRYE - RACRYE CIM Reports)	DOLLARS			\$0			
43	Less 2018 DSM Opt-Out Revenue (Source: RMCRYAD-RMCRYAD CIM Reports)				\$0			
44	Adjusted Annual Revenue Based upon Rate Determinants				\$201,995			
45	Book Revenues (Source: RMC1Y)				\$200,691			
46	Spread Factor (Adjusted Annual Revenue/Book Revenue)				100.201439%			

NOTE: Annual revenue at current rates doesn't include revenue from the RFPs Rider.

Form E-1 - Item 42(C) - Revised

Rate Changes Imposed Current Rates			
(\$0.0004)	effective 11/2018		
\$0.00000	effective 11/2018		
Varies	effective 1/14/18		
(\$0.0028)	effective 6/12/18		
\$0.0051	effective 9/12/18		
\$0.0156	effective 12/12/18		
\$0.00000	effective 12/12/18		
(\$0.00008)	effective 11/2019		

North Carolina Schedule TFS

				Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	Basic Customer Charge	COMB	1,233		\$21.00	\$25,893	\$21.00	\$25,893	0.0%
2	Energy Charges	RWH	178,003		\$0.06284	\$11,186	\$0.09179	\$16,339	46.1%
3	Three Phase Charge	COMB	0		\$7.00	\$0	\$7.00	\$0	0.0%
4	Billed KVAR	RWH	0		\$0.32	\$0	\$0.32	\$0	0.0%
5	Rate Schedule Revenue					\$37,079		\$42,232	
6	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)					\$37,348		\$42,538	
7	Plus Rider Revenues (None)					\$0		\$0	
8	Plus EE Opt-Out Credit					\$0		\$0	
9	Plus DSM Opt-Out Credit					\$0		\$0	
10	TOTAL REVENUE Adjusted for Service Riders					\$37,348		\$42,538	13.9%
11	Remove Current Clause Revenue Adjustments								
12	Approved Fuel EMF Rider	RWH	178,003		\$0.00364	\$648	\$0.00364	\$648	
13	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	178,003		\$0.00820	\$1,460	\$0.00820	\$1,460	
14	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	RWH	178,003		\$0.00045	\$80	\$0.00045	\$80	
15	Rider JAA Revenue	RWH	178,003		\$0.00237	\$422	\$0.00237	\$422	
16	Rider EDIT Revenue	RWH	178,003		(\$0.00114)	(\$203)	(\$0.00114)	(\$203)	
17	Fuel Deficiency Rider FED	RWH	178,003		\$0.00052	\$93	\$0.00052	\$93	
18	Total Adjustments					\$2,499		\$40,039	
19	REVENUE Excluding Existing Clause Riders					\$34,848		\$40,039	
20	Proposed Change in REVENUES for Rate Design					\$5,191		\$5,191	14.9%
21	Remove New Adjustment Riders								
22	Rider EDT-1 Revenue Change		178,003				\$0.00020	\$36	
23	Rider EDT-2 Revenue		178,003				(\$0.00336)	(\$598)	
24	Rider RAL-1 Revenue		178,003				(\$0.00005)	(\$9)	
25	Total Adjustments					\$0		\$40,610	
26	BASE REVENUES, Excluding New & Existing Clause Riders					\$34,848		\$40,610	
27	Proposed Change in Base Revenues, Excluding New Riders							\$5,762	16.5%
28	Spread Factor Calculation								
29	Annual Revenue at Current Rates					\$37,079			
30	Plus Rider Revenues					\$0			
31	Less All Rate Adjustments (Test Year Rate Changes Adjusted by Known Revenue Sales)					\$2,354			
32	Impact of 1718 EE Rate Change	RWH	10,220		(\$3)				
33	Impact of 1718 DSM Rate Change	RWH	10,220		(\$1)				
34	Impact of 37618 Rate Case				\$758				
35	Impact of 6718 Fuel Deficiency Rider	RWH	67,426		\$242				
36	Impact of 6718 RPR Recovery Rider (expired/reversed)	RWH	-49,166		(\$25)				
37	Impact of 1218 Fuel Fed Tax and Coal Inventory Rate Change	RWH	173,971		\$997				
38	Impact of 1718 JAA Rate Change	RWH	173,971		(\$42)				
39	Impact of 1719 DSMEE & NC Tax Reform Rider Rate Change	RWH	178,003		\$427				
40	Less 2018 EE Opt-Out Revenue (Source: RHC/RYA, CUE Reports)	DOLLARS				\$0			
41	Less 2018 DSM Opt-Out Revenue (Source: RHC/RYA, CUE Reports)	DOLLARS				\$0			
42	Adjusted Annual Revenue Based Upon Rate Determinants					\$34,725			
43	Book Revenues (Source: RMC/TV)					\$34,977			
44	Spread Factor (Adjusted Annual Revenue/Book Revenue)					99.279951%			

NOTE: Annual revenue at current rates doesn't include revenue from the RFPs Rider.

Rate Changes Impacting Current Rates	Effective 11/2018
(\$0.00029)	effective 11/2018
(\$0.00011)	effective 11/2018
Varies	effective 3/16/18
\$0.00059	effective 6/12/18
\$0.00051	effective 9/12/18
\$0.00513	effective 12/1/2018
(\$0.00024)	effective 12/1/2018
\$0.00040	effective 11/2019

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

## North Carolina Schedule TSS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates		Annual Revenue @ Proposed Rates		Percent Change In Rate
					Proposed Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate	
1	70 Wait-16 HR/1 Lamp BLINKER	COUNT	420	\$2.02	\$848	\$2.28	\$958	12.9%	
2	70 Wait-16 HR/2 Lamp BLINKER	COUNT	84	\$4.04	\$339	\$4.56	\$383	12.9%	
3	70 Wait-16 HR/3 Lamp BLINKER	COUNT	0	\$6.06	\$0	\$6.84	\$0	12.9%	
4	70 Wait-16 HR/4 Lamp BLINKER	COUNT	0	\$8.08	\$0	\$9.12	\$0	12.9%	
5	150 Wait-16 HR/1 Lamp BLINKER	COUNT	396	\$3.65	\$1,445	\$4.12	\$1,632	12.9%	
6	150 Wait-16 HR/2 Lamp BLINKER	COUNT	168	\$7.30	\$1,226	\$8.24	\$1,384	12.9%	
7	150 Wait-16 HR/3 Lamp BLINKER	COUNT	0	\$10.95	\$0	\$12.36	\$0	12.9%	
8	150 Wait-16 HR/4 Lamp BLINKER	COUNT	0	\$14.60	\$0	\$16.48	\$0	12.9%	
9	70 Wait-24 HR/1 Lamp BLINKER	COUNT	1,583	\$2.76	\$4,369	\$3.11	\$4,923	12.7%	
10	70 Wait-24 HR/2 Lamp BLINKER	COUNT	12	\$5.52	\$66	\$6.22	\$75	12.7%	
11	70 Wait-24 HR/3 Lamp BLINKER	COUNT	0	\$8.28	\$0	\$9.33	\$0	12.7%	
12	70 Wait-24 HR/4 Lamp BLINKER	COUNT	0	\$11.04	\$0	\$12.44	\$0	12.7%	
13	150 Wait-24 HR/1 Lamp BLINKER	COUNT	3,071	\$5.13	\$15,754	\$5.79	\$17,781	12.9%	
14	150 Wait-24 HR/2 Lamp BLINKER	COUNT	378	\$10.26	\$3,878	\$11.58	\$4,377	12.9%	
15	150 Wait-24 HR/3 Lamp BLINKER	COUNT	72	\$15.39	\$1,108	\$17.37	\$1,251	12.9%	
16	150 Wait-24 HR/4 Lamp BLINKER	COUNT	24	\$20.52	\$492	\$23.16	\$556	12.9%	
17	70 Wait-16 HR/1 Lamp	COUNT	12	\$2.79	\$33	\$3.15	\$38	12.9%	
18	70 Wait-16 HR/2 Lamp	COUNT	0	\$3.35	\$0	\$3.78	\$0	12.8%	
19	70 Wait-16 HR/3 Lamp	COUNT	0	\$3.51	\$0	\$3.96	\$0	12.8%	
20	70 Wait-16 HR/4 Lamp	COUNT	0	\$4.46	\$0	\$5.03	\$0	12.8%	
21	70 Wait-16 HR/5 Lamp	COUNT	0	\$3.51	\$0	\$3.96	\$0	12.8%	
22	70 Wait-16 HR/6 Lamp	COUNT	0	\$4.46	\$0	\$5.03	\$0	12.8%	
23	120 Wait-16 HR/2 Lamp	COUNT	0	\$4.38	\$0	\$4.94	\$0	12.8%	
24	120 Wait-16 HR/3 Lamp	COUNT	0	\$4.54	\$0	\$5.12	\$0	12.8%	
25	120 Wait-16 HR/4 Lamp	COUNT	0	\$5.49	\$0	\$6.19	\$0	12.8%	
26	120 Wait-16 HR/5 Lamp	COUNT	0	\$4.54	\$0	\$5.12	\$0	12.8%	
27	120 Wait-16 HR/6 Lamp	COUNT	0	\$5.49	\$0	\$6.19	\$0	12.8%	
28	150 Wait-16 HR/1 Lamp	COUNT	48	\$5.54	\$266	\$6.25	\$300	12.8%	
29	150 Wait-16 HR/2 Lamp	COUNT	60	\$6.79	\$407	\$7.66	\$460	12.8%	
30	150 Wait-16 HR/3 Lamp	COUNT	24	\$6.91	\$166	\$7.80	\$187	12.9%	
31	150 Wait-16 HR/4 Lamp	COUNT	48	\$9.54	\$458	\$10.77	\$517	12.9%	
32	150 Wait-16 HR/5 Lamp	COUNT	0	\$6.91	\$0	\$7.80	\$0	12.9%	
33	150 Wait-16 HR/6 Lamp	COUNT	0	\$9.54	\$0	\$10.77	\$0	12.9%	

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

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## North Carolina Schedule TSS

Current and Proposed Billing Units and Revenues								
	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate	
North Carolina Schedule TSS								
34	70 Wait-24 HR/1 Lamp	COUNT	2,621	\$3.83	\$10,038	\$4.32	\$11,323	12.8%
35	70 Wait-24 HR/2 Lamp	COUNT	7,188	\$4.48	\$32,202	\$5.06	\$36,371	12.9%
36	70 Wait-24 HR/3 Lamp	COUNT	10,051	\$4.79	\$48,144	\$5.41	\$54,376	12.9%
37	70 Wait-24 HR/4 Lamp	COUNT	708	\$6.26	\$4,432	\$7.06	\$4,998	12.8%
38	70 Wait-24 HR/5 Lamp	COUNT	889	\$4.79	\$4,258	\$5.41	\$4,809	12.9%
39	70 Wait-24 HR/6 Lamp	COUNT	0	\$6.26	\$0	\$7.06	\$0	12.8%
40	120 Wait-24 HR/2 Lamp	COUNT	24	\$5.81	\$139	\$6.56	\$157	12.9%
41	120 Wait-24 HR/3 Lamp	COUNT	0	\$6.12	\$0	\$6.91	\$0	12.9%
42	120 Wait-24 HR/4 Lamp	COUNT	0	\$7.59	\$0	\$8.56	\$0	12.8%
43	120 Wait-24 HR/5 Lamp	COUNT	0	\$6.12	\$0	\$6.91	\$0	12.9%
44	120 Wait-24 HR/6 Lamp	COUNT	0	\$7.59	\$0	\$8.56	\$0	12.8%
45	150 Wait-24 HR/1 Lamp	COUNT	600	\$8.01	\$4,806	\$9.04	\$5,424	12.9%
46	150 Wait-24 HR/2 Lamp	COUNT	1,701	\$9.36	\$15,921	\$10.56	\$17,963	12.8%
47	150 Wait-24 HR/3 Lamp	COUNT	28,081	\$9.61	\$269,858	\$10.84	\$304,398	12.8%
48	150 Wait-24 HR/4 Lamp	COUNT	976	\$13.28	\$12,961	\$14.99	\$14,630	12.9%
49	150 Wait-24 HR/5 Lamp	COUNT	2,776	\$9.61	\$26,677	\$10.84	\$30,092	12.8%
50	150 Wait-24 HR/6 Lamp	COUNT	0	\$13.28	\$0	\$14.99	\$0	12.9%
51	Minimum Bill	CHARGE	0	\$21.00	\$0	\$21.00	\$0	0.0%
52	120 wait/16 Hour Rate Adder			\$1.03		\$1.16	\$0	12.6%
53	120 wait/24 Hour Rate Adder			\$1.33		\$1.50	\$0	12.8%
54 Rate Schedule Revenue					\$460,298		\$519,363	
55 Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)					\$467,288		\$527,250	
56	Plus Rider Revenues (None)				\$0		\$0	
57	Plus EE Opt-Out Credit		0	(\$0.00820)	\$0	(\$0.00820)	\$0	
58	Plus DSM Opt-Out Credit		0	(\$0.00045)	\$0	(\$0.00045)	\$0	
59	TOTAL REVENUE, Adjusted for Service Riders				\$467,288		\$527,250	12.8%
60 Remove Current Clause Revenue Adjustments								
61	Approved Fuel EMF Rider	KWH	4,591,310	\$0.00364	\$16,712	\$0.00364	\$16,712	
62	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	4,591,310	\$0.00820	\$37,649	\$0.00820	\$37,649	
63	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	4,591,310	\$0.00045	\$2,066	\$0.00045	\$2,066	
64	Rider JAA Revenue	KWH	4,591,310	\$0.00237	\$10,881	\$0.00237	\$10,881	
65	Rider EDIT Revenue	KWH	4,591,310	(\$0.00114)	(\$5,234)	(\$0.00114)	(\$5,234)	
66	Fuel Deficiency Rider FED	KWH	4,591,310	\$0.00052	\$2,387	\$0.00052	\$2,387	
67	Total Adjustments				\$64,462		\$64,462	
68	REVENUE, Excluding Existing Clause Riders				\$402,826		\$462,788	
69	Proposed Change in REVENUES For Rate Design					\$59,962	14.9%	

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
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## North Carolina Schedule TSS

70	Remove New Adjustment Riders					
71	Rider EDIT-1 Revenue Change	4,591,310		\$0.00020	\$918	
72	Rider EDIT-2 Revenue	4,591,310		(\$0.00336)	(\$15,427)	
73	Rider RAL-1 Revenue	4,591,310		(\$0.00005)	(\$230)	
74	Total Adjustments		\$0		(\$14,738)	
75	BASE REVENUES, Excluding New & Existing Clause Riders				\$477,526	
76	Proposed Change in Base Revenues, Excluding New Riders				\$74,700	18.5%
77	Spread Factor Calculation					
78	Annual Revenue at Current Rates		\$460,298			
79	Plus Rider Revenues		\$0			
80	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)					
81	Impact of 1/18 EE Rate Change	KWH	318,487	Revenue Impact (\$90)		Rate Changes Impacting Current Rates: (\$0.00025) effective 1/1/2018
82	Impact of 1/18 DSM Rate Change	KWH	318,487	(\$35)		(\$0.00011) effective 1/1/2018
83	Impact of 3/16/18 Rate Case			\$5,118		Varies effective 3/16/18
84	Impact of 6/18 Fuel Deficiency Rider	KWH	1,965,472	\$7,056		\$0.00359 effective 6/1/2018
85	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-1,214,190	(\$619)		\$0.00051 effective 9/1/2018
86	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	4,508,859	\$25,836		\$0.00573 effective 12/1/2018
87	Impact of 12/18 JAA Rate Change	KWH	4,508,859	(\$1,082)		(\$0.00024) effective 12/1/2018
88	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	4,591,310	\$11,019		\$0.00240 effective 1/1/2019
89	Less 2018 EE Opt-Out Revenue (Source: RMCRY4E-RMCRY6E CIM Reports)					
90	Less 2018 DSM Opt-Out Revenue (Source: RMCRY4D-RMCRY6D CIM Reports)	DOLLARS			\$0	
91	Adjusted Annual Revenue Based upon Rate Determinants				\$413,085	
92	Book Revenues (Source: RMC1Y)				\$419,358	
93	Spread Factor (Adjusted Annual Revenue/Book Revenue)				98.504060%	

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.



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 Current and Proposed Billing Units and Revenues

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# North Carolina Schedule ALS

		Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
	Units	Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	in Rate
1	LED 50	COUNT	1,027,580	\$7.40	\$7,604,092	\$8,261,743	8.6%
2	LED 50 Floodlight	COUNT	4,814	\$10.73	\$51,654	\$56,131	8.7%
3	LED 75	COUNT	66,215	\$7.66	\$507,207	\$550,909	8.6%
4	LED 105	COUNT	44,488	\$9.42	\$419,077	\$455,557	8.7%
5	LED 130 Floodlight	COUNT	10,251	\$21.66	\$222,037	\$241,309	8.7%
6	LED 150	COUNT	81,552	\$12.17	\$992,488	\$1,078,117	8.6%
7	LED 215	COUNT	52,377	\$14.96	\$783,560	\$851,650	8.7%
8	LED 220 Shoebox	COUNT	0	\$18.90	\$0	\$0	8.7%
9	LED 260 Floodlight	COUNT	2,467	\$39.46	\$97,348	\$105,785	8.7%
10	LED 280	COUNT	40,476	\$17.09	\$691,735	\$751,639	8.7%
11	LED 420	COUNT	14,957	\$39.77	\$594,840	\$646,292	8.6%
12	LED 530	COUNT	8,959	\$48.39	\$433,526	\$471,064	8.7%
13	9,500 Lumen SV	COUNT	914,661	\$10.57	\$9,667,967	\$10,509,455	8.7%
14	16,000 Lumen SV	COUNT	15,607	\$12.40	\$193,527	\$210,226	8.6%
15	28,500 Lumen SV	COUNT	294,786	\$15.50	\$4,569,183	\$4,964,196	8.6%
16	50,000 Lumen SV	COUNT	71,832	\$21.49	\$1,543,670	\$1,677,277	8.7%
17	50,000 Lumen SV Floodlight	COUNT	101,149	\$24.10	\$2,437,691	\$2,649,092	8.7%
18	5,800 Lumen SV	COUNT	108,579	\$6.64	\$720,965	\$782,855	8.6%
19	9,000 Lumen MH	COUNT	69,610	\$12.35	\$859,684	\$934,166	8.7%
20	7,000 Lumen MV Semi-Enclosed	COUNT	6,865	\$8.45	\$555,173	\$603,135	8.6%
21	12,000 Lumen RSV	COUNT	4,580	\$11.99	\$54,914	\$10.53	8.7%
22	20,000 Lumen MH	COUNT	64,255	\$18.21	\$1,170,084	\$1,271,606	8.7%
23	21,000 Lumen MV	COUNT	1,022	\$15.62	\$16,035	\$17.05	8.7%
24	22,000 Lumen SV	COUNT	6,185	\$19.02	\$117,639	\$20.67	8.7%
25	33,000 Lumen MH	COUNT	82,769	\$23.74	\$2,590,768	\$2,815,468	8.7%
26	38,000 Lumen RSV	COUNT	1,734	\$17.89	\$31,021	\$21.46	8.7%
27	40,000 Lumen MH	COUNT	201,485	\$25.06	\$5,049,214	\$21.23	8.7%
28	60,000 Lumen MV	COUNT	109	\$32.10	\$3,499	\$34.88	8.7%
29	60,000 Lumen MV Flood	COUNT	2,653	\$34.62	\$91,847	\$37.62	8.7%
30	110,000 Lumen MH	COUNT	88,652	\$47.92	\$4,248,204	\$52.07	8.7%
31	LED 75 (Standard Offer)	COUNT	16,402	\$5.89	\$96,608	\$6.40	8.7%
32	LED 105 (Standard Offer)	COUNT	11,661	\$8.44	\$98,419	\$9.17	8.6%
33	LED 215 (Standard Offer)	COUNT	13,655	\$12.39	\$169,185	\$183,796	8.6%
34	LED 205 Site Lighter (Standard Offer)	COUNT	110,236	\$12.45	\$1,372,438	\$13.53	8.7%
35	Monthly UG Charge	COUNT	642,253	\$3.21	\$2,061,632	\$2,241,433	8.7%
36	One-Time UG Charge	COUNT	0	\$521.00	\$0	\$0	11.3%
37							
38							

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
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 Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(c) - Revised

## North Carolina Schedule ALS

Current and Proposed Billing Units and Revenues								
	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate	
North Carolina Schedule ALS								
39	Wood Pole	COUNT	1,439,190	\$2.05	\$2,950,340	\$2.40	\$3,454,056	17.1%
40	Metal, Fiberglass or Post Pole	COUNT	583,863	\$4.87	\$2,843,413	\$5.71	\$3,333,858	17.2%
41	12-Foot Smooth Concrete Post	COUNT	2,571	\$9.49	\$24,399	\$11.13	\$28,615	17.3%
42	16-Foot Smooth Concrete Post	COUNT	144	\$10.44	\$1,503	\$12.25	\$1,764	17.3%
43	Decorative Square Metal	COUNT	339,959	\$10.44	\$3,549,172	\$12.25	\$4,164,498	17.3%
44	13-Foot Fluted Concrete Post	COUNT	11,796	\$14.25	\$168,093	\$16.72	\$197,229	17.3%
45	Decorative Aluminum 12-Foot Post	COUNT	7,779	\$17.09	\$132,943	\$20.05	\$155,969	17.3%
46	Decorative 35- or 39-Foot Tapered Metal Pole	COUNT	6,795	\$27.14	\$184,416	\$31.84	\$216,353	17.3%
47	Masterpiece Series A 9,000 Lumen Fixture	COUNT	12,048	\$15.35	\$184,937	\$16.42	\$197,828	7.0%
48	Masterpiece Series B 9,000 Lumen Fixture	COUNT	30,731	\$16.50	\$507,062	\$17.57	\$539,944	6.5%
49	Masterpiece Series A 12-Foot Decorative Post 9,000 Lumen	COUNT	15,169	\$17.09	\$259,238	\$20.05	\$304,138	17.3%
50	Masterpiece Series A 16-Foot Decorative Post 9,000 Lumen	COUNT	7,270	\$20.89	\$151,870	\$24.51	\$178,188	17.3%
51	Masterpiece Series A 9,500 Lumen Fixture	COUNT	20,592	\$13.57	\$279,433	\$14.49	\$298,378	6.8%
52	Masterpiece Series B 9,500 Lumen Fixture	COUNT	30,983	\$14.72	\$456,070	\$15.64	\$484,574	6.3%
53	Masterpiece Series A 12-Foot Decorative Post 9,500 Lumen	COUNT	19,899	\$17.09	\$340,074	\$20.05	\$398,975	17.3%
54	Masterpiece Series A 16-Foot Decorative Post 9,500 Lumen	COUNT	12,348	\$20.89	\$257,950	\$24.51	\$302,649	17.3%
55	Masterpiece Series A 12-Foot Decorative Post LED 50	COUNT	3,818	\$17.09	\$65,250	\$20.05	\$76,551	17.3%
56	Masterpiece Series A 16-Foot Decorative Post LED 50	COUNT	2,572	\$20.89	\$53,729	\$24.51	\$63,040	17.3%
57	Masterpiece Series A LED 50 Fixture	COUNT	3,980	\$10.40	\$41,392	\$11.04	\$43,939	6.2%
58	Masterpiece Series B LED 50 Fixture	COUNT	4,747	\$11.55	\$54,828	\$12.19	\$57,866	5.5%
59	Masterpiece Series A 12-Foot Decorative Post LED 75	COUNT	872	\$17.09	\$14,902	\$20.05	\$17,484	17.3%
60	Masterpiece Series A 16-Foot Decorative Post LED 75	COUNT	354	\$20.89	\$7,395	\$24.51	\$8,677	17.3%
61	Masterpiece Series A LED 75 Fixture	COUNT	0	\$10.66	\$0	\$11.32	\$0	6.2%
62	Masterpiece Series B LED 75 Fixture	COUNT	5,672	\$11.81	\$66,986	\$12.47	\$70,730	5.6%
63	Masterpiece Series A Twin Mounting Bracket	COUNT	1,333	\$5.00	\$6,665	\$5.00	\$6,665	0.0%
64	Masterpiece Series A Adder	0	0	\$3.00	\$0	\$3.00	\$0	0.0%
65	Masterpiece Series B Adder	0	0	\$4.15	\$0	\$4.15	\$0	0.0%
Rate Schedule Revenue					\$64,750,446		\$71,270,835	
67 Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)					\$64,619,155		\$71,126,322	
68	Plus Rider Revenues (None)				\$0		\$0	
69	Plus EE Opt-Out Credit		16,030,300	(\$0.00100)	(\$16,030)	(\$0.00100)	(\$16,030)	
70	Plus DSM Opt-Out Credit		16,766,610	\$0.00000	\$0	\$0.00000	\$0	
71 TOTAL REVENUE, Adjusted for Service Riders					\$64,603,124		\$71,110,292	10.1%

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## North Carolina Schedule ALS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
72	Remove Current Clause Revenue Adjustments						
73	Approved Fuel EMF Rider	KWH	267,706,195	\$0.00886	\$2,371,877	\$2,371,877	
74	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	251,675,895	\$0.00100	\$251,676	\$251,676	
75	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	250,939,585	\$0.00000	\$0	\$0	
76	Rider JAA Revenue	KWH	267,706,195	\$0.00000	\$0	\$0	
77	Rider EDIT Revenue	KWH	267,706,195	(\$0.00114)	(\$305,185)	(\$305,185)	
78	Fuel Deficiency Rider FED	KWH	267,706,195	(\$0.00046)	(\$123,145)	(\$123,145)	
79	Total Adjustments			\$2,195,223	\$2,195,223	\$2,195,223	
80	REVENUE, Excluding Existing Clause Riders			\$62,407,901		\$68,915,069	
81	Proposed Change in REVENUES For Rate Design					\$6,507,168	10.4%
82	Remove New Adjustment Riders						
83	Rider EDIT-1 Revenue Change		267,706,195		\$0.00020	\$53,541	
84	Rider EDIT-2 Revenue		267,706,195		(\$0.01367)	(\$3,659,544)	
85	Rider RAL-1 Revenue		267,706,195		(\$0.00005)	(\$13,385)	
86	Total Adjustments				\$0	(\$3,619,388)	
87	BASE REVENUES, Excluding New & Existing Clause Riders					\$12,534,457	
88	Proposed Change in Base Revenues, Excluding New Riders					\$10,126,555	16.2%
89	Spread Factor Calculation						
90	Annual Revenue at Current Rates					\$64,750,446	
91	Plus Rider Revenues					\$0	
92	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)					\$2,162,342	
93	Impact of 1/18 EE Rate Change	KWH	12,619,611	(\$505)			
94	Impact of 1/18 DSM Rate Change	KWH	12,619,611	\$0			
95	Impact of 3/16/18 Rate Case			(\$446,736)			
96	Impact of 6/18 Fuel Deficiency Rider	KWH	112,418,420	(\$314,772)			
97	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-76,427,201	(\$38,978)			
98	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	258,196,227	\$2,984,748			
99	Impact of 1/19 JAA Rate Change			\$0			
100	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	267,706,195	(\$21,416)			
101	Less 2018 EE Opt-Out Revenue (Source: RMCRY4E-RMCRY6E CIM Reports)	DOLLARS				\$17,041	
102	Less 2018 DSM Opt-Out Revenue (Source: RMCXYD-RMCRYD CIM Reports)	DOLLARS				\$0	
103	Adjusted Annual Revenue Based upon Rate Determinants					\$62,571,064	
104	Book Revenues (Source: RMC1Y)					\$62,444,191	
105	Spread Factor (Adjusted Annual Revenue/Book Revenue)					100.203178%	

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates		
(\$0.00004)	effective 1/1/2018	
\$0.00000	effective 1/1/2018	
Varies	effective 3/16/18	
(\$0.00280)	effective 6/1/2018	
\$0.00051	effective 9/1/2018	
\$0.01156	effective 12/1/2018	
\$0.00000	effective 12/1/2018	
(\$0.00008)	effective 1/1/2019	

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## North Carolina Schedule SLS

		Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
	Units	Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	In Rate
1	LED 50	COUNT	625,151	\$7.40	\$4,626,117	\$8.04	8.6%
2	LED 75	COUNT	142,900	\$7.66	\$1,094,614	\$8.32	8.6%
3	LED 105	COUNT	79,676	\$9.42	\$750,548	\$10.24	8.7%
4	LED 150	COUNT	185,380	\$12.17	\$2,256,075	\$13.22	8.6%
5	LED 215	COUNT	18,643	\$14.96	\$278,899	\$16.26	8.7%
6	LED 220 Shoebox	COUNT	0	\$18.90	\$0	\$20.54	8.7%
7	LED 280	COUNT	57,711	\$17.09	\$986,281	\$18.57	8.7%
8	LED 420	COUNT	361	\$39.77	\$14,357	\$43.21	8.6%
9	LED 530	COUNT	0	\$48.39	\$0	\$52.58	8.7%
10	9,500 Lumen SV	COUNT	220,886	\$10.57	\$2,334,765	\$11.49	8.7%
11	16,000 Lumen SV	COUNT	11,577	\$12.40	\$143,555	\$13.47	8.6%
12	28,500 Lumen SV	COUNT	16,808	\$15.50	\$260,524	\$16.84	8.6%
13	50,000 Lumen SV	COUNT	7,017	\$21.49	\$150,795	\$23.35	8.7%
14	5,800 Lumen SV	COUNT	11,382	\$6.64	\$75,576	\$7.21	8.6%
15	7,000 Lumen MV Semi-Enclosed	COUNT	6,513	\$8.45	\$55,035	\$9.18	8.6%
16	7,000 Lumen MV	COUNT	9,899	\$9.69	\$95,921	\$10.53	8.7%
17	9,000 Lumen MH	COUNT	9,783	\$12.35	\$120,820	\$13.42	8.7%
18	12,000 Lumen RSV	COUNT	8,646	\$11.99	\$103,666	\$13.03	8.7%
19	20,000 Lumen MH	COUNT	5,963	\$18.21	\$108,586	\$19.79	8.7%
20	21,000 Lumen MV	COUNT	731	\$15.69	\$11,469	\$17.05	8.7%
21	22,000 Lumen SV	COUNT	38,931	\$13.49	\$525,179	\$14.66	8.7%
22	33,000 Lumen MH	COUNT	589	\$23.74	\$13,983	\$25.80	8.7%
23	38,000 Lumen RSV	COUNT	2,908	\$17.89	\$52,024	\$19.44	8.7%
24	40,000 Lumen MH	COUNT	2,187	\$25.06	\$54,806	\$27.23	8.7%
25	60,000 Lumen MV	COUNT	135	\$32.10	\$4,334	\$34.88	8.7%
26	110,000 Lumen MH	COUNT	84	\$47.92	\$4,025	\$52.07	8.7%
27	LED 75 (Standard Offer)	COUNT	134,702	\$5.89	\$793,395	\$6.40	8.7%
28	LED 105 (Standard Offer)	COUNT	36,937	\$8.44	\$311,748	\$9.17	8.6%
29	LED 215 (Standard Offer)	COUNT	21,912	\$12.39	\$271,490	\$13.46	8.6%
30	LED 205 Site Lighter (Standard Offer)	COUNT	1,202	\$12.45	\$14,965	\$13.53	8.7%
31	LED 75 Customer Owned	COUNT	87,945	\$5.13	\$451,158	\$5.57	8.6%
32	LED 105 Customer Owned	COUNT	14,003	\$5.55	\$77,717	\$6.03	8.6%
33	LED 215 Customer Owned	COUNT	9,450	\$7.02	\$66,339	\$7.63	8.7%
34	LED 205 Customer Owned Site Lighter	COUNT	84	\$6.88	\$578	\$7.48	8.7%
35	Monthly UG Charge	COUNT	179,962	\$3.21	\$577,678	\$3.49	8.7%
36	One-Time UG Charge	COUNT	0	\$521.00	\$0	\$580.00	11.3%

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North Carolina Schedule SLS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
37	Wood Pole	COUNT	401,423	\$1.55	\$622,206	\$1.91	23.2%
38	Metal, Fiberglass or Post Pole	COUNT	367,663	\$2.71	\$996,367	\$3.35	23.6%
39	12-Foot Smooth Concrete Post	COUNT	0	\$9.49	\$0	\$11.13	17.3%
40	Decorative Square Metal	COUNT	5,383	\$10.44	\$56,199	\$12.25	17.3%
41	16-Foot Smooth Concrete Post	COUNT	2,064	\$14.25	\$21,548	\$16.72	17.3%
42	13-Foot Fluted Concrete Post	COUNT	13,860	\$17.09	\$197,505	\$20.05	17.3%
43	Decorative Aluminum 12-Foot Post	COUNT	2,772	\$27.14	\$47,373	\$31.84	17.3%
44	Decorative 35- or 39-Foot Tapered Metal Pole	COUNT	24	\$0.93	\$651	\$1.15	23.7%
45	System Metal Pole	COUNT	216	\$15.35	\$109,123	\$16.42	7.0%
46	Masterpiece Series A 9,000 Lumen Fixture	COUNT	7,109	\$16.50	\$210,342	\$17.57	6.5%
47	Masterpiece Series B 9,000 Lumen Fixture	COUNT	12,748	\$17.09	\$70,257	\$20.05	17.3%
48	Masterpiece Series A 12-Foot Decorative Post 9,000 Lumen	COUNT	4,111	\$20.89	\$144,308	\$24.51	17.3%
49	Masterpiece Series A 16-Foot Decorative Post 9,000 Lumen	COUNT	6,908	\$13.57	\$160,397	\$14.49	6.8%
50	Masterpiece Series A 9,500 Lumen Fixture	COUNT	11,820	\$14.72	\$663,018	\$15.64	6.3%
51	Masterpiece Series B 9,500 Lumen Fixture	COUNT	45,042	\$17.09	\$244,848	\$20.05	17.3%
52	Masterpiece Series A 12-Foot Decorative Post 9,500 Lumen	COUNT	15,137	\$20.89	\$316,212	\$24.51	17.3%
53	Masterpiece Series A 16-Foot Decorative Post LED 50	COUNT	934	\$17.09	\$15,962	\$20.05	17.3%
54	Masterpiece Series A 12-Foot Decorative Post LED 50	COUNT	3,476	\$20.89	\$72,614	\$24.51	17.3%
55	Masterpiece Series A 16-Foot Decorative Post LED 50	COUNT	8,263	\$11.55	\$85,935	\$11.04	6.2%
56	Masterpiece Series B LED 50 Fixture	COUNT	4,096	\$17.09	\$47,309	\$20.05	17.3%
57	Masterpiece Series A LED 50 Fixture	COUNT	322	\$10.66	\$2,757	\$11.32	6.2%
58	Masterpiece Series A 12-Foot Decorative Post LED 75	COUNT	0	\$11.81	\$0	\$12.47	5.6%
59	Masterpiece Series B LED 75 Fixture	COUNT	3,942	\$5.00	\$13,780	\$5.00	0.0%
60	Masterpiece Series A LED 75 Fixture	COUNT	2,756	\$3.00	\$0	\$4.15	0.0%
61	Masterpiece Series A Twin Mounting Bracket	COUNT					
62	Masterpiece Series A Adder	COUNT					
63	Masterpiece Series B Adder	COUNT					
64	Rate Schedule Revenue			\$20,837,994		\$22,953,779	
65	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$20,865,467		\$22,984,042	
66	Plus Rider Revenues (None)			\$0		\$0	
67	Plus EE Opt-Out Credit			(\$341)		(\$341)	
68	Plus DSM Opt-Out Credit			\$0		\$0	
69	TOTAL REVENUE, Adjusted for Service Riders			\$20,865,126		\$22,983,701	10.2%

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

## North Carolina Schedule SLS

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
63	Remove Current Clause Revenue Adjustments (Per Rider BA w/ GRT & Reg. Fee)						
64	Approved Fuel EMF Rider	KWH	69,380,618	\$0.00886	\$614,712	\$0.00886	\$614,712
65	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	69,040,040	\$0.00100	\$69,040	\$0.00100	\$69,040
66	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	69,038,936	\$0.00000	\$0	\$0.00000	\$0
67	Rider JAA Revenue	KWH	69,380,618	\$0.00000	\$0	\$0.00000	\$0
68	Rider EDIT Revenue	KWH	69,380,618	(\$0.00114)	(\$79,094)	(\$0.00114)	(\$79,094)
69	Fuel Deficiency Rider FED	KWH	69,380,618	(\$0.00046)	(\$31,915)	(\$0.00046)	(\$31,915)
70	Total Adjustments			\$572,743	\$572,743		
71	REVENUE, Excluding Existing Clause Riders			\$20,292,383	\$22,410,958		
72	Proposed Change in REVENUES For Rate Design				\$2,118,575	10.4%	
73	Remove New Adjustment Riders						
74	Rider EDIT-1 Revenue Change		69,380,618		\$0.00020	\$13,876	
75	Rider EDIT-2 Revenue		69,380,618		(\$0.01367)	(\$948,433)	
76	Rider RAL-1 Revenue		69,380,618		(\$0.00005)	(\$3,469)	
77	Total Adjustments			\$0	(\$938,026)		
78	BASE REVENUES, Excluding New & Existing Clause Riders			\$20,292,383	\$23,348,984		
79	Proposed Change in Base Revenues, Excluding New Riders				\$3,056,601	15.1%	
80	Spread Factor Calculation						
81	Annual Revenue at Current Rates			\$20,837,994			
82	Plus Rider Revenues			\$0			
83	Less All Rate Adjustments (Test Year Rate Changes adjusted by Memo Revenue Sales)						
84	Impact of 1/18 EE Rate Change	KWH	3,113,169	(\$125)			
85	Impact of 1/18 DSM Rate Change	KWH	3,113,169	\$0			
86	Impact of 3/16/18 Rate Case			(\$34,980)			
87	Impact of 6/18 Fuel Deficiency Rider	KWH	28,815,012	(\$80,682)			
88	Impact of 9/18 JRR Recovery Rider (expired/reverse)	KWH	-20,042,324	(\$10,222)			
89	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change	KWH	66,921,116	\$773,608			
90	Impact of 12/18 JAA Rate Change	KWH	66,921,116	\$0			
91	Impact of 1/19 DSM/EE & NC Tax Reform Rider Rate Change	KWH	69,380,618	(\$5,550)			
92	Less 2018 EE Opt-Out Revenue (Source: RMCRY4E-RMCRY6E CIM Reports)	DOLLARS			\$363		
93	Less 2018 DSM Opt-Out Revenue (Source: RMCRY4D-RMCRY6D CIM Reports)	DOLLARS			\$0		
94	Adjusted Annual Revenue Based upon Rate Determinants			\$20,195,582			
95	Book Revenues (Source: RMC1Y)			\$20,222,208			
96	Spread Factor (Adjusted Annual Revenue/Book Revenue)			99.868332%			

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Rate Changes Impacting Current Rates		
(\$0.0004)	effective 1/1/2018	
\$0.0000	effective 1/1/2018	
Varies	effective 3/16/18	
(\$0.00280)	effective 6/1/2018	
\$0.00051	effective 9/1/2018	
\$0.01156	effective 12/1/2018	
\$0.00000	effective 12/1/2018	
(\$0.00008)	effective 1/1/2019	

North Carolina Schedule SLR

		Units	Test Year Billing Units	Current Rates @ 11/29/2019		Annual Revenue @ Current Rates		Proposed Rates		Annual Revenue @ Proposed Rates		Percent Change in Rate
1	OH1 light per 10 customers/7,000 Lumen MV	COUNT	1,371	\$1.20		\$1,645	\$1.32		\$1,810	10.0%		
2	OH1 light per 10 customers/9,500 Lumen SV	COUNT	3,333	\$1.20		\$4,000	\$1.32		\$4,400	10.0%		
3	OH1 light per 10 customers/LED 50	COUNT	13,792	\$0.95		\$13,102	\$1.05		\$14,482	10.5%		
4	OH1 light per 3 customers/7,000 Lumen MV	COUNT	0	\$1.35		\$0	\$1.49		\$0	10.4%		
5	OH1 light per 3 customers/9,500 Lumen SV	COUNT	12,480	\$2.39		\$29,708	\$2.63		\$32,691	10.0%		
6	OH1 light per 3 customers/LED 50	COUNT	51,757	\$2.39		\$123,699	\$2.63		\$136,121	10.0%		
7	OH1 light per 3 customers/9,500 Lumen SV	COUNT	64,253	\$1.91		\$122,723	\$2.10		\$134,931	9.9%		
8	OH1 light per 3 customers/12,000 Lumen SV	COUNT	423	\$2.68		\$1,104	\$2.95		\$1,876	10.1%		
9	OH1 light per 3 customers/7,000 Lumen MV	COUNT	21,617	\$3.93		\$84,955	\$4.33		\$1,882	10.2%		
10	OH1 light per 3 customers/LED 50	COUNT	492	\$3.11		\$8,839	\$3.42		\$93,602	10.2%		
11	UG1 light per 10 customers on wood pole 7,000 lumen	COUNT	10,012	\$3.32		\$33,240	\$3.65		\$36,544	9.9%		
12	UG1 light per 10 customers on wood pole 9,500 lumen	COUNT	183,229	\$3.32		\$608,320	\$3.65		\$668,786	9.9%		
13	UG1 light per 10 customers on wood pole 12,000 lumen	COUNT	3,903	\$2.73		\$174,971	\$3.01		\$192,917	10.3%		
14	UG1 light per 10 customers on wood pole 12,000 lumen	COUNT	3,903	\$1.66		\$6,479	\$1.83		\$7,142	10.2%		
15	UG1 light per 5 customers on wood pole 7,000 lumen	COUNT	4,545	\$1.36		\$6,181	\$1.50		\$6,818	10.3%		
16	UG1 light per 5 customers on wood pole 9,500 lumen	COUNT	492	\$1.81		\$891	\$2.00		\$984	10.5%		
17	UG1 light per 5 customers on wood pole 12,000 lumen	COUNT	183,229	\$3.32		\$608,320	\$3.65		\$668,786	9.9%		
18	UG1 light per 5 customers on wood pole 12,000 lumen	COUNT	64,092	\$2.73		\$174,971	\$3.01		\$192,917	10.3%		
19	UG1 light per 3 customers on wood pole 7,000 lumen	COUNT	1,803	\$3.61		\$6,509	\$3.97		\$7,158	10.0%		
20	UG1 light per 3 customers on wood pole 9,500 lumen	COUNT	218	\$5.48		\$1,195	\$6.03		\$1,315	10.0%		
21	UG1 light per 3 customers on wood pole 12,000 lumen	COUNT	33,851	\$5.48		\$185,503	\$6.03		\$204,122	10.0%		
22	UG1 light per 3 customers on wood pole LED 50	COUNT	1,031	\$4.49		\$4,719	\$4.94		\$5,192	10.0%		
23	UG1 light per 10 customers on fiberglass/metal pole or post 7,000 lumen	COUNT	578	\$1.89		\$1,092	\$2.08		\$1,202	10.1%		
24	UG1 light per 10 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	1,622	\$1.89		\$3,066	\$2.08		\$3,374	10.1%		
25	UG1 light per 10 customers on fiberglass/metal pole LED 50	COUNT	1,940	\$1.58		\$3,065	\$1.74		\$3,376	10.1%		
26	UG1 light per 10 customers on fiberglass/metal pole LED 50	COUNT	2,656	\$1.96		\$5,206	\$2.16		\$5,737	10.2%		
27	UG1 light per 10 customers on fiberglass/metal pole or post 12,000 lumen	COUNT	0	\$2.04		\$0	\$2.25		\$0	10.3%		
28	UG1 light per 6 customers on fiberglass/metal pole or post 12,000 lumen	COUNT	39,687	\$3.13		\$124,220	\$3.45		\$136,920	10.2%		
29	UG1 light per 6 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	472,151	\$3.13		\$1,290,033	\$3.45		\$1,421,921	10.2%		
30	UG1 light per 6 customers on fiberglass/metal pole LED 50	COUNT	42,557	\$2.63		\$111,925	\$2.90		\$123,415	10.3%		
31	UG1 light per 6 customers on fiberglass/metal pole LED 50	COUNT	2,096	\$3.26		\$6,833	\$3.59		\$7,525	10.1%		
32	UG1 light per 6 customers on fiberglass/metal pole or post 12,000 lumen	COUNT	504	\$3.37		\$1,698	\$3.71		\$1,870	10.1%		
33	UG1 light per 3 customers on fiberglass/metal pole or post 7,000 lumen	COUNT	2,519	\$6.23		\$15,693	\$6.86		\$17,280	10.1%		
34	UG1 light per 3 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	506,954	\$6.23		\$3,158,323	\$6.86		\$3,477,704	10.1%		
35	UG1 light per 3 customers on fiberglass/metal pole LED 50	COUNT	6,860	\$5.21		\$35,741	\$5.74		\$39,376	10.2%		
36	UG1 light per 3 customers on fiberglass/metal post LED 50	COUNT	2,656	\$6.44		\$17,105	\$7.09		\$39,376	10.2%		
37	12,000 lumen retrofit adder - 1 per 10	0	0	\$0.15		\$0	\$0.17		\$0	13.3%		
38	12,000 lumen retrofit adder - 1 per 5	0	0	\$0.29		\$0	\$0.32		\$0	10.3%		
39	UG Only Changel light per 10 customers on wood pole 7,000/12,000 lumen	0	0	\$0.24		\$0	\$0.26		\$0	8.3%		
40	UG Only Changel light per 5 customers on wood pole 7,000/12,000 lumen	COUNT	0	\$0.30		\$0	\$0.33		\$0	10.0%		
41	UG Only Changel light per 3 customers on wood pole 7,000/12,000 lumen	COUNT	0	\$0.56		\$0	\$0.62		\$0	10.7%		
42	UG Only Changel light per 10 customers on fiberglass/metal pole or post 7,000/12,000 lumen	COUNT	0	\$0.66		\$0	\$0.73		\$0	10.4%		
43	UG Only Changel light per 10 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	0	\$0.36		\$0	\$0.40		\$0	11.1%		
44	UG Only Changel light per 6 customers on fiberglass/metal pole or post 7,000/12,000 lumen	COUNT	228	\$0.61		\$139	\$0.67		\$153	9.8%		
45	UG Only Changel light per 3 customers on fiberglass/metal pole or post 12,000 lumen	COUNT	0	\$0.71		\$0	\$0.78		\$0	9.9%		
46	UG Only Changel light per 10 customers on wood pole 9,500 lumen	COUNT	0	\$0.41		\$0	\$0.45		\$0	9.8%		
47	UG Only Changel light per 5 customers on wood pole 9,500 lumen	COUNT	108	\$0.75		\$81	\$0.83		\$90	10.7%		
48	UG Only Changel light per 3 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	72	\$0.90		\$65	\$0.99		\$71	10.0%		
49	UG Only Changel light per 10 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	0	\$0.50		\$0	\$0.55		\$0	10.0%		
50	UG Only Changel light per 6 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	7,444	\$0.86		\$6,402	\$0.95		\$7,072	10.5%		
51	UG Only Changel light per 3 customers on fiberglass/metal pole or post 9,500 lumen	COUNT	216	\$1.01		\$218	\$1.11		\$240	9.9%		
52	UG Only Changel light per 5 customers on wood pole LED 50	COUNT	0	\$0.38		\$0	\$0.42		\$0	10.5%		
53	UG Only Changel light per 5 customers on wood pole LED 50	COUNT	0	\$0.76		\$0	\$0.84		\$0	10.5%		
54	UG Only Changel light per 3 customers on wood pole LED 50	COUNT	0	\$1.26		\$0	\$1.39		\$0	10.3%		



Duke Energy Progress, LLC  
NCLJC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(c) - Revised

North Carolina Schedule SLR

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
56	UG Only Changel/ light per 10 customers on fiber/glass/metal pole or post LED 50	COUNT	0	\$0.40	\$0	\$0.44	10.0%
56	UG Only Changel/ light per 6 customers on fiber/glass/metal pole or post LED 50	COUNT	0	\$0.67	\$0	\$0.74	10.4%
57	UG Only Changel/ light per 3 customers on fiber/glass/metal pole or post LED 50	COUNT	0	\$1.33	\$0	\$1.46	9.8%
58	Retailer Section Voltage Adder				\$0	\$0	
59	1 light per 10 customers			\$0.15	\$0.17	\$0.17	13.3%
59	1 light per 5 customers			\$0.29	\$0.32	\$0.32	10.3%
60	1 light per 6 customers			\$1.22	\$1.34	\$1.34	9.8%
61	Rate Schedule Revenue			\$6,201,130		\$6,828,794	
62	Annual Revenue at Current/Proposed Rates (Adjusted for Spread Factor)			\$6,116,057		\$6,735,110	
64	Plus Rider Revenues (None)		0	(\$0.00100)	\$0	\$0	
65	Plus EE Opt-Out Credit		0	\$0	(\$0.00100)	\$0	
66	Plus DSM Opt-Out Credit		0	(\$0.00000)	\$0	\$0	
67	TOTAL REVENUE, Adjusted for Service Riders			\$6,116,057		\$6,735,110	10.1%
68	Remove Current Clause Revenue Adjustments						
69	Approved Fuel EMF Rider	KWH	15,593,091	\$0.00886	\$0.00886	\$138,155	
70	EE Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	15,593,091	\$0.00100	\$0.00100	\$15,593	
71	DSM Revenue (Adjusted for Opt-Out Sales & Revenues)	KWH	15,593,091	\$0.00000	\$0	\$0	
72	Rider JAA Revenue	KWH	15,593,091	\$0.00000	\$0	\$0	
73	Rider EDIT Revenue	KWH	15,593,091	(\$0.00114)	(\$17,776)	(\$17,776)	
74	Fuel Deficiency Rider FED	KWH	15,593,091	(\$0.00046)	(\$0.00046)	(\$1,773)	
75	Total Adjustments			\$128,799		\$128,799	
76	REVENUE, Excluding Existing Clause Riders			\$5,987,258		\$6,666,311	
77	Proposed Change in REVENUES for Rate Design					\$679,055	10.3%
78	Remove New Adjustment Riders						
79	Rider EDIT-1 Revenue Change		15,593,091		\$0.00020	\$3,119	
80	Rider EDIT-2 Revenue		15,593,091		(\$0.01367)	(\$213,158)	
81	Rider RAL-1 Revenue		15,593,091		(\$0.00005)	(\$780)	
82	Total Adjustments					\$6,817,129	
83	BASE REVENUES, Excluding New & Existing Clause Riders			\$5,987,258		\$6,817,129	
84	Proposed Change in Base Revenues, Excluding New Riders					\$829,872	13.9%
85	Spread Factor Calculation						
86	Annual Revenue at Current Rates			\$6,201,130			
87	Plus Rider Revenues			\$0			
88	Less All Rate Adjustments (Test Year Rate Changes adjusted by Mean Revenue Sales)						
89	Impact of 1718 EE Rate Change	KWH	779,797	(\$31)			
90	Impact of 1718 DSM Rate Change	KWH	779,797	\$0			
91	Impact of 27418 Rate Case			\$10,243			
92	Impact of 6718 Fuel Deficiency Rider	KWH	6,524,194	(\$18,248)			
93	Impact of 9718 JRR Recovery Rider (expired/reversed)	KWH	4,527,131	(\$3,309)			
94	Impact of 1718 Fuel Fed Tax and Coal Inventory Rate Change	KWH	14,982,662	\$173,200			
95	Impact of 1718 JAA Rate Change	KWH	14,982,631	\$0			
96	Impact of 1719 DSMEE & NC Tax Reform Rider Rate Change	KWH	15,593,091	(\$1,247)			
97	Less 2018 EE Opt-Out Revenue Source: RACRYE & RACRYE CUM Reports)	DOLLARS			\$0		
98	Less 2018 DSM Opt-Out Revenue Source: RACRYE/D RACRYE/D CUM Reports)	DOLLARS			\$0		
99	Adjusted Annual Revenue Based upon Rate Determinants			\$6,039,543			
100	Book/Book Revenues (Source: RMC1Y)			\$5,956,686			
101	Spread Factor (Adjusted Annual Revenue/Book Revenue)			101.399985%			

NOTE: Annual revenue at current rates doesn't include revenue from the RFEs Rider.

Rate Changes Impacting Current Rates	Effective 11/2018
(\$0.0000)	effective 11/2018
\$0.0000	effective 11/2018
Varies	effective 3/14/18
(\$0.00280)	effective 8/12/18
\$0.0061	effective 9/12/18
\$0.0156	effective 12/12/18
\$0.0000	effective 12/12/18
(\$0.00008)	effective 11/2019

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Rider RECD

North Carolina Rider RECD					Units	Billing Units	11/29/2019	Current Rates	Proposed Rates	Proposed Rates	In Rate
Schedule											
1	RES	Billed Usage Summer (J-O)	kWh	1,137,491,579	(\$0.00509)			(\$5,789,832)	(\$0.00599)	(\$6,813,575)	17.7%
2	RES	Billed Usage NonSummer (N-J)	kWh	2,258,556,617	(\$0.00485)			(\$10,954,000)	(\$0.00569)	(\$12,851,187)	17.3%
3											
4	R-TOUD	Billed On-peak kWh Usage	kWh	68,128,651	(\$0.00346)			(\$235,725)	(\$0.00406)	(\$276,602)	17.3%
5	R-TOUD	Billed Off-peak kWh Usage	kWh	117,165,117	(\$0.00274)			(\$321,032)	(\$0.00323)	(\$378,443)	17.9%
6	R-TOUD	Billed On-peak kW Summer (J-S)	kW	314,199	(\$0.24)			(\$75,408)	(\$0.28)	(\$87,976)	16.7%
7	R-TOUD	Billed On-peak kW NonSummer (O-M)	kW	747,183	(\$0.20)			(\$149,437)	(\$0.23)	(\$171,852)	15.0%
8											
9	R-TOU	Billed On-peak kWh Usage Summer (J-S)	kWh	1,197,108	(\$0.01163)			(\$13,922)	(\$0.01433)	(\$17,155)	23.2%
10	R-TOU	Billed On-peak kWh Usage NonSummer (O-M)	kWh	1,422,743	(\$0.01105)			(\$15,721)	(\$0.01359)	(\$19,335)	23.0%
11	R-TOU	Billed Shoulder kWh Usage Summer (J-S)	kWh	872,336	(\$0.00587)			(\$5,121)	(\$0.00700)	(\$6,106)	19.3%
12	R-TOU	Billed Shoulder kWh Usage NonSummer (O-M)	kWh	2,048,679	(\$0.00573)			(\$11,739)	(\$0.00682)	(\$13,972)	19.0%
13	R-TOU	Billed Off-peak kWh Usage	kWh	13,271,466	(\$0.00341)			(\$45,256)	(\$0.00386)	(\$51,228)	13.2%
14											
15 Annual Revenue at Current/Proposed Rates								(\$17,525,434)		(\$20,579,635)	17.4%

NOTE: Annual revenue at current rates doesn't include revenue from the REPS Rider.

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

## North Carolina Rider 7

Current and Proposed Billing Units and Revenues					Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
			Units	Billing Units	1/29/2019	Current Rates			Proposed Rates	In Rate
North Carolina Rider 7										
Schedule										
1	LGS-TOU	Contract - Billed kW (Block 1)	KW	4,800		\$1.26	\$6,048	\$1.26	\$6,048	0.0%
2	LGS-TOU	Contract - Billed kW (Block 2)	KW	62,978		\$0.97	\$61,089	\$0.97	\$61,089	0.0%
3	LGS-TOU	Contract - Billed kW (Block 3)	KW	0		\$1.55	\$0	\$1.55	\$0	0.0%
4	LGS-TOU	Excess Standby Usage Charge	KW	0		\$0.39	\$0	\$0.39	\$0	0.0%
5										
6	LGS-RTP-TOU	Contract - Billed kW (Block 1) - (Actual)	KW	2,400		\$1.26	\$3,024	\$1.26	\$3,024	0.0%
7	LGS-RTP-TOU	Contract - Billed kW (Block 2) - (Actual)	KW	141,600		\$0.97	\$137,352	\$0.97	\$137,352	0.0%
8	LGS-RTP-TOU	Contract - Billed kW (Block 3) - (Actual)	KW	0		\$1.55	\$0	\$1.55	\$0	0.0%
9										
10 Annual Revenue at Current/Proposed Rates							\$207,513		\$207,513	0.0%

## North Carolina Rider 9

Current and Proposed Billing Units and Revenues					Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
		Units	Billing Units	11/29/2019	Current Rates		Proposed Rates	Proposed Rates	In Rate	
North Carolina Rider 9										
<u>Schedule</u>										
1	SGS	HFIL KVA	KVA	3,249	\$0.41	\$1,332	\$0.41	\$1,332	0.0%	
2	SGS-TOU	HFIL KVA	KVA	8,328	\$0.41	\$3,414	\$0.41	\$3,414	0.0%	
3	MGS	HFIL KVA	KVA	87,252	\$0.41	\$35,773	\$0.41	\$35,773	0.0%	
4	LGS	HFIL KVA	KVA	4,800	\$0.41	\$1,968	\$0.41	\$1,968	0.0%	
5	LGS-TOU	HFIL KVA	KVA	5,988	\$0.41	\$2,455	\$0.41	\$2,455	0.0%	
6										
7 Annual Revenue at Current/Proposed Rates						\$44,943		\$44,943	0.0%	

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

# North Carolina Rider LLC

Current and Proposed Billing Units and Revenues									
	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate		
North Carolina Rider LLC									
<b>Schedule</b>									
1	SGS-TOU	Customer Charge	COUNT	68	\$50.00	\$3,400	\$65.00	\$4,420	30.0%
2	MGS	Customer Charge	COUNT	12	\$50.00	\$600	\$65.00	\$780	30.0%
3	LGS	Customer Charge	COUNT	84	\$50.00	\$4,200	\$65.00	\$5,460	30.0%
4	LGS-TOU	Customer Charge	COUNT	61	\$50.00	\$3,050	\$65.00	\$3,965	30.0%
5	LGS-RTP	Customer Charge (Actual)	COUNT	0	\$50.00	\$0	\$65.00	\$0	30.0%
6	LGS-RTP-TOU	Customer Charge (Actual)	COUNT	132	\$50.00	\$6,600	\$65.00	\$8,580	30.0%
7									
8	SGS-TOU	Average On-peak - Firm KW	KW	26,360	(\$5.40)	(\$142,345)	(\$5.60)	(\$141,617)	3.7%
9	MGS	Average On-peak - Firm KW	KW	4,061	(\$5.40)	(\$21,931)	(\$5.60)	(\$22,743)	3.7%
10	LGS	Average On-peak - Firm KW	KW	130,975	(\$5.40)	(\$707,263)	(\$5.60)	(\$733,458)	3.7%
11	LGS-TOU	Average On-peak - Firm KW	KW	101,823	(\$5.40)	(\$549,842)	(\$5.60)	(\$570,207)	3.7%
12	LGS-RTP	Average On-peak - Firm KW (Actual)	KW	0	(\$5.40)	\$0	(\$5.60)	\$0	3.7%
13	LGS-RTP-TOU	Average On-peak - Firm KW (Actual)	KW	733,739	(\$5.40)	(\$3,962,193)	(\$5.60)	(\$4,108,941)	3.7%
14									
15	SGS-TOU	Level 1 Capacity Charge	KW	0	\$2.70	\$0	\$2.80	\$0	3.7%
16	MGS	Level 1 Capacity Charge	KW	0	\$2.70	\$0	\$2.80	\$0	3.7%
17	LGS	Level 1 Capacity Charge	KW	0	\$2.70	\$0	\$2.80	\$0	3.7%
18	LGS-TOU	Level 1 Capacity Charge	KW	0	\$2.70	\$0	\$2.80	\$0	3.7%
19	LGS-RTP	Level 1 Capacity Charge (Actual)	KW	0	\$2.70	\$0	\$2.80	\$0	3.7%
20	LGS-RTP-TOU	Level 1 Capacity Charge (Actual)	KW	0	\$2.70	\$0	\$2.80	\$0	3.7%
21									

Duke Energy Progress, LLC  
 NCUC Docket No. E-2, Sub 1219  
 Twelve Months Ended December 31, 2018  
 Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

# North Carolina Rider LLC

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
22	SGS-TOU	Failure Charge	DOLLARS	\$0	1	\$0	0.0%
23	MGS	Failure Charge	DOLLARS	\$0	1	\$0	0.0%
24	LGS	Failure Charge	DOLLARS	\$0	1	\$0	0.0%
25	LGS-TOU	Failure Charge	DOLLARS	\$0	1	\$0	0.0%
26	LGS-RTP	Failure Charge (Actual)	DOLLARS	\$0	1	\$0	0.0%
27	LGS-RTP-TOU	Failure Charge (Actual)	DOLLARS	\$54,026	1	\$54,026	0.0%
28							
29	ALL	Failure Charge Rate	DOLLARS	\$0	\$50.00	\$0	0.0%
30							
31	ALL	Termination Charge Rate	DOLLARS	\$0	\$50.00	\$0	0.0%
32							
33	Annual Revenue at Current/Proposed Rates						
				(\$5,311,697)		(\$5,505,734)	3.7%

NOTE: There were no Level 1 Buy-Through opportunities in the test year

Duke Energy Progress, LLC  
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 Current and Proposed Billing Units and Revenues

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# North Carolina Rider 68

Duke Energy Progress, LLC NCJUC Docket No. E-2, Sub 1219 Twelve Months Ended December 31, 2018 Current and Proposed Billing Units and Revenues				Form E-1 - Item 42(C) - Revised				
		Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
North Carolina Rider 68								
	<u>Schedule</u>							
1	LGS	COUNT	24	\$50.00	\$1,200	\$65.00	\$1,560	30.0%
2	LGS-TOU	COUNT	36	\$50.00	\$1,800	\$65.00	\$2,340	30.0%
3	LGS	KWH	25,817	\$0.01500	\$387	\$0.01500	\$387	0.0%
4	LGS-TOU	KWH	936,115	\$0.01500	\$14,042	\$0.01500	\$14,042	0.0%
5								
6 Annual Revenue at Current/Proposed Rates					\$17,429		\$18,329	5.2%



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## North Carolina Rider IPS

	Schedule	Customer Charge	COUNT	COUNT	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Revised Test Year Billing Units	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
1	LGS	Customer Charge		0		\$50.00	\$0	0	\$65.00	\$0	30.0%
2	LGS-TOU	Customer Charge		84		\$50.00	\$4,200	84	\$65.00	\$5,460	30.0%
3	LGS	Incremental On-peak kWh		0		\$0.01500	\$0	0	\$0.01500	\$0	0.0%
4	LGS-TOU	Incremental On-peak kWh		11,066,583		\$0.01500	\$165,999	11,066,583	\$0.01500	\$165,999	0.0%
5											
Annual Revenue at Current/Proposed Rates							\$170,199			\$171,459	0.7%

# North Carolina Rider ED

Schedule					Annual Revenue @			Percent Change	
			Units	Test Year Billing Units	Current Rates @ 11/29/2019	Current Rates	Proposed Rates	Proposed Rates	In Rate
1	LGS	Year 1 ED kW (40-59% if)	kW	0	-\$3.39	\$0	-\$3.39	\$0	0.0%
2	LGS	Year 1 ED kW (60-79% if)	kW	12,684	-\$5.32	(\$67,476)	-\$5.32	(\$67,476)	0.0%
3	LGS	Year 1 ED kW (80%+ if)	kW	9,316	-\$7.26	(\$67,635)	-\$7.26	(\$67,635)	0.0%
4	LGS	Year 2 ED kW (40-59% if)	kW	0	-\$2.71	\$0	-\$2.71	\$0	0.0%
5	LGS	Year 2 ED kW (60-79% if)	kW	17,513	-\$4.26	(\$74,607)	-\$4.26	(\$74,607)	0.0%
6	LGS	Year 2 ED kW (80%+ if)	kW	11,750	-\$5.81	(\$68,270)	-\$5.81	(\$68,270)	0.0%
7	LGS	Year 3 ED kW (40-59% if)	kW	0	-\$2.03	\$0	-\$2.03	\$0	0.0%
8	LGS	Year 3 ED kW (60-79% if)	kW	14,187	-\$3.19	(\$45,255)	-\$3.19	(\$45,255)	0.0%
9	LGS	Year 3 ED kW (80%+ if)	kW	13,059	-\$4.36	(\$56,938)	-\$4.36	(\$56,938)	0.0%
10	LGS	Year 4 ED kW (40-59% if)	kW	0	-\$1.35	\$0	-\$1.35	\$0	0.0%
11	LGS	Year 4 ED kW (60-79% if)	kW	0	-\$2.13	\$0	-\$2.13	\$0	0.0%
12	LGS	Year 4 ED kW (80%+ if)	kW	0	-\$2.90	\$0	-\$2.90	\$0	0.0%
13	LGS	Year 5 ED kW (40-59% if)	kW	8,260	-\$0.68	(\$5,617)	-\$0.68	(\$5,617)	0.0%
14	LGS	Year 5 ED kW (60-79% if)	kW	60,582	-\$1.06	(\$64,217)	-\$1.06	(\$64,217)	0.0%
15	LGS	Year 5 ED kW (80%+ if)	kW	6,427	-\$1.45	(\$9,319)	-\$1.45	(\$9,319)	0.0%
16	LGS-TOU	Year 1 ED kW (40-59% if)	kW	2,647	-\$3.39	(\$8,973)	-\$3.39	(\$8,973)	0.0%
17	LGS-TOU	Year 1 ED kW (60-79% if)	kW	0	-\$5.32	\$0	-\$5.32	\$0	0.0%
18	LGS-TOU	Year 1 ED kW (80%+ if)	kW	0	-\$7.26	\$0	-\$7.26	\$0	0.0%
19	LGS-TOU	Year 2 ED kW (40-59% if)	kW	10,216	-\$2.71	(\$27,687)	-\$2.71	(\$27,687)	0.0%
20	LGS-TOU	Year 2 ED kW (60-79% if)	kW	0	-\$4.26	\$0	-\$4.26	\$0	0.0%
21	LGS-TOU	Year 2 ED kW (80%+ if)	kW	0	-\$5.81	\$0	-\$5.81	\$0	0.0%
22	LGS-TOU	Year 3 ED kW (40-59% if)	kW	0	-\$2.03	\$0	-\$2.03	\$0	0.0%
23	LGS-TOU	Year 3 ED kW (60-79% if)	kW	1,276	-\$3.19	(\$4,070)	-\$3.19	(\$4,070)	0.0%
24	LGS-TOU	Year 3 ED kW (80%+ if)	kW	2,515	-\$4.36	(\$10,964)	-\$4.36	(\$10,964)	0.0%
25	LGS-TOU	Year 4 ED kW (40-59% if)	kW	0	-\$1.35	\$0	-\$1.35	\$0	0.0%
26	LGS-TOU	Year 4 ED kW (60-79% if)	kW	0	-\$2.13	\$0	-\$2.13	\$0	0.0%
27	LGS-TOU	Year 4 ED kW (80%+ if)	kW	0	-\$2.90	\$0	-\$2.90	\$0	0.0%
28	LGS-TOU	Year 5 ED kW (40-59% if)	kW	1,346	-\$0.68	(\$1,426)	-\$0.68	(\$1,426)	0.0%
29	LGS-TOU	Year 5 ED kW (60-79% if)	kW	0	-\$1.06	\$0	-\$1.06	\$0	0.0%
30	LGS-TOU	Year 5 ED kW (80%+ if)	kW	2,746	-\$1.45	(\$3,982)	-\$1.45	(\$3,982)	0.0%
31									
32 Annual Revenue at Current/Proposed Rates						(\$516,436)		(\$516,436)	0.0%

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# North Carolina Rider ERD

	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change in Rate
<hr/>							
<u>Schedule</u>							
1	SGS-TOU						
	ERD Discount Amount	DOLLARS	\$0	-1	-1	\$0	0.0%
2	LGS						
	ERD Discount Amount	DOLLARS	\$0	-1	-1	\$0	0.0%
3	LGS-TOU						
	ERD Discount Amount	DOLLARS	\$0	-1	-1	\$0	0.0%
4							
5	Annual Revenue at Current/Proposed Rates					\$0	#DIV/0!

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## North Carolina Rider SS

		Test Year	Current Rates @	Annual Revenue @	Proposed Rates	Annual Revenue @	Percent Change
		Units	Billing Units	11/29/2019	Current Rates	Proposed Rates	in Rate
<b>Schedule</b>							
<b>Generation with a Planning Capacity Factor below 60%</b>							
1	SGS-TOU	Generation Reservation Charge	kW	75,371	\$0.75	\$56,528	\$0.75
2	MGS	Generation Reservation Charge	kW	3,000	\$0.75	\$2,250	\$0.75
3	LGS	Generation Reservation Charge	kW	4,356	\$0.75	\$3,267	\$0.75
4	LGS-TOU	Generation Reservation Charge	kW	37,896	\$0.75	\$28,422	\$0.75
5	LGS-RTP-TOU	Generation Reservation Charge	kW	137,856	\$0.75	\$103,392	\$0.75
6							
7	<b>Generation with a Planning Capacity Factor of 60% or greater*</b>						
8	SGS	Generation Reservation Charge	kW	0	\$0.75	\$0	\$0.75
9	SGS	SS Delivery Charge (Transmission)	kW	0	\$1.63	\$0	\$1.58
10	SGS	SS Delivery Charge (Distribution)	kW	0	\$2.62	\$0	\$2.59
11							
12	Annual Revenue at Current/Proposed Rates				\$193,859		\$193,859

\* NOTE: See Worksheet: Rider SS Adjustment Current/Proposed to address RTP hourly revenue associated with the use of standby service.

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## North Carolina Rider NFS

Current and Proposed Billing Units and Revenues					Test Year		Current Rates @		Annual Revenue @		Annual Revenue @		Percent Change	
			Units	Billing Units	11/29/2019		Current Rates		Proposed Rates	Proposed Rates	In Rate			
North Carolina Rider NFS														
Schedule														
1	SGS	NFS Notification Charge	COUNT	12	\$50.00	\$600	\$65.00	\$780	30.0%					
2	SGS	Standby Sales (Transmission)	KWH	1,404,218	\$0.00307	\$4,311	\$0.00355	\$4,985	15.6%					
3	SGS	Standby Sales (Distribution)	KWH	0	\$0.00481	\$0	\$0.00602	\$0	25.2%					
4														
5	SGS-TOU	NFS Notification Charge	KWH	12	\$50.00	\$600	\$65.00	\$780	30.0%					
6	SGS-TOU	Standby Sales (Transmission)	KWH	10,731,663	\$0.00307	\$32,946	\$0.00355	\$38,097	15.6%					
7	SGS-TOU	Standby Sales (Distribution)	COUNT	0	\$0.00481	\$0	\$0.00602	\$0	25.2%					
8														
9	LGS	NFS Notification Charge	COUNT	12	\$50.00	\$600	\$65.00	\$780	30.0%					
10	LGS	Standby Sales (Transmission)	KWH	51,917	\$0.00307	\$159	\$0.00355	\$184	15.6%					
11	LGS	Standby Sales (Distribution)	KWH	0	\$0.00481	\$0	\$0.00602	\$0	25.2%					
12														
13	LGS-RTP-TOU	Notification Customer Charge	COUNT	12	\$50.00	\$600	\$65.00	\$780	30.0%					
14	LGS-RTP-TOU	Standby Usage - Transmission	KWH	25,704,049	\$0.00307	\$78,911	\$0.00355	\$91,249	15.6%					
15	LGS-RTP-TOU	Standby Usage - Distribution	KWH	0	\$0.00481	\$0	\$0.00602	\$0	25.2%					
16														
17														
18	Annual Revenue at Current/Proposed Rates						\$118,728		\$137,636	15.9%				

\* NOTE: See Worksheet: Rider NFS Adjustment Current/Proposed to address RTP hourly revenue associated with the use of standby service.

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	Units	Test Year Billing Units	Current Rates @ 11/29/2019	Annual Revenue @ Current Rates	Proposed Rates	Annual Revenue @ Proposed Rates	Percent Change In Rate
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Miscellaneous Revenues (Not Reported as Tariff Revenue)

<u>Schedule</u>							
1	North Carolina Service Regulations	NC Service Charge Revenue	COUNT	321,919	\$17.00	\$5,472,623	\$9.14
2	North Carolina Service Regulations	NC Service Charge - Landlord Revenue	COUNT	57,598	\$5.35	\$308,149	\$2.00
3	North Carolina Service Regulations	NC Reconnect Charge Revenue	COUNT	35,263	\$19.00	\$669,997	\$12.94
4	North Carolina Service Regulations	NC After Hours Reconnect Charge Revenue	COUNT	5,877	\$55.00	\$323,235	\$19.48
5	North Carolina Service Regulations	NC Returned Check Charge Revenue	COUNT	42,192	\$5.00	\$210,960	\$5.00
6	North Carolina Service Regulations	NC Additional Facilities Charges (Non-Contributory)	DOLLARS	4,617,085	1.00%	\$4,617,085	1.00%
7	North Carolina Service Regulations	NC Additional Facilities Charges (Contributory)	DOLLARS	4,040,557	0.40%	\$4,040,557	0.30%
8	North Carolina Service Regulations	NC Meter Test - Non-Demand	COUNT	0	\$40.00	\$0	\$45.00
9	North Carolina Service Regulations	NC Meter Test - Demand or TOU	COUNT	0	\$50.00	\$0	\$57.00
10	North Carolina Rider PPS	NC Premier Power Charge Revenue	DOLLARS	2,444,047	1	\$2,444,047	1
11	North Carolina Rider MROP	Total Meter	COUNT	243	\$3.00	\$729	\$3.10
12	North Carolina Rider MROP	Total Meter - Wireless	COUNT	120	\$13.20	\$1,584	\$13.20
13	North Carolina Rider MROP	Total Meter Termination Charge	COUNT	0	\$50.00	\$0	\$0
14	North Carolina Rider MROP	EPO - Monthly	COUNT	2,415	\$20.00	\$48,300	\$20.00
15	North Carolina Rider MROP	EPO - Totalized Monthly	COUNT	0	\$20.00	\$0	\$20.00
16	North Carolina Rider MROP	EPO - Daily	COUNT	2,295	\$20.00	\$45,900	\$20.00
17	North Carolina Rider MROP	EPO Set-Up Charge	COUNT	9	\$85.00	\$765	\$85.00
18	North Carolina Rider MROP	EPO Set-Up Charge - Totalized	COUNT	3	\$85.00	\$255	\$85.00
19	North Carolina Rider MROP	Non-Standard Meter Monthly Rate	COUNT	1,455	\$0.33	\$480	\$0.61
20	North Carolina Rider MROP	Non-Standard Meter Set-Up	COUNT	0	\$15.00	\$0	\$16.50
21	North Carolina Rider MROP	Non-Standard Meter Exchange	COUNT	0	\$77.00	\$0	\$92.00
22	North Carolina Rider MROP	MRM Initial Set-up Fee	COUNT	0	\$170.00	\$0	\$170.00
23	North Carolina Rider MROP	Monthly Rate for MRM	COUNT	0	\$14.75	\$0	\$0
24	North Carolina Rider MROP	MRM Early Termination Charge	COUNT	0	\$50.00	\$0	\$50.00
25	North Carolina Service Regulations (Lighting)	NC Additional Facilities Charges (Non-Contributory)	DOLLARS	3,848,777	1.00%	\$3,848,777	1.00%
26							
27	Annual Revenue at Current/Proposed Rates				\$22,033,443	\$17,878,054	-18.9%

Proforma Adjustment for Rate Revisions Impacting Miscellaneous Revenues (\$4,155,389)

**Minimum Bill Adjustments To Rate Class Rate Design Revenue Targets (MGS Class Only):**

	Current Rates		Proposed Rates		Rationale for Adjustment
	# of Customers	Revenue Impact	# of Customers	Revenue Impact	
Total					Calculated on a per customer basis and included in
APH-TES	1	\$	2		8 Rider Revenues for both current and proposed
CH-TOUE	61	\$ 4,532	63	\$ 9,881	revenues. (Source: Excel File)
CSE	40	\$ 16,461	40	\$ 24,444	
CSG	1	\$ 121	1	\$ 212	
SGS-TES	1	\$ 1,944	1	\$ 3,147	
SGS-TOU	687	\$ 105,962	699	\$ 195,005	



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# North Carolina Rider NFS - Rate Adjustment Applicable to Schedule SGS Current Rates

	Units	Test Year Billing Units	Normal Tariff Rates @ 11/29/2019	Annual Revenue @ Current Rates	Rider NFS & Standard Tariff @ 11/29/2019	Annual Revenue @ Current Rates
1	SGS	NFS Notification Charge			\$50.00	\$600
2	SGS	SGS Customer Charge			\$21.00	\$252
3	SGS	BLOCK 1 - FIRST 750 KWH (Supplementary)			\$0.11496	\$0
4	SGS	BLOCK 2 - NEXT 1,250 KWH (Supplementary)			\$0.09826	\$0
5	SGS	BLOCK 3 - ADDITIONAL KWH (Supplementary)			\$0.09372	\$0
6	SGS	Three Phase Charge			\$7.00	\$84
7	SGS	Standby Usage Charge				
8	SGS	Rdr Adj Incremental Charge				
9	SGS	Standby Sales (Transmission)			\$0.00865	\$12,146
10	SGS	BLOCK 1 - FIRST 750 KWH (Standby)			\$0.00307	\$4,311
11	SGS	BLOCK 2 - NEXT 1,250 KWH (Standby)				
12	SGS	BLOCK 3 - ADDITIONAL KWH (Standby)				
13	SGS-TOU	NFS Notification Charge				
14	SGS-TOU	SGS-TOU Customer Charge				
15	SGS-TOU	On-peak KWH (Supplementary)			\$35.50	\$426
16	SGS-TOU	Off-peak KWH (Supplementary)				
17	SGS-TOU	On-peak KW - Summer (Supplementary)				
18	SGS-TOU	On-peak KW - Non-Summer (Supplementary)				
19	SGS-TOU	Off-peak Excess KW (Supplementary)				
20	SGS-TOU	Standby Usage Charge				
21	SGS-TOU	Rdr Adj Incremental Charge				
22	SGS-TOU	Standby Sales (Transmission)			\$0.00865	\$92,829
23	SGS-TOU	Standby Sales (Distribution)			\$0.00307	\$32,946
24	SGS-TOU	Actual Off-peak			\$0.00481	\$0
25	SGS-TOU	Actual On-peak				
26	SGS-TOU	Actual On-peak KW NonSummer				
27	SGS-TOU	Actual Off-peak Excess KW				
28	SGS-TOU	NFS Notification Charge				
29	LGS	LGS Customer Charge				
30	LGS	Energy Charge (Supplementary)			\$50.00	\$600
31	LGS	BLOCK 1 - FIRST 5000 KW (Supplementary)			\$200.00	\$2,400
32	LGS	BLOCK 2 - NEXT 5000 KW (Supplementary)			\$0.05796	\$3,950,767
33	LGS	BLOCK 3 - OVER 10,000 KW (Supplementary)				
34	LGS	Standby Usage Charge				
35	LGS	Rdr Adj Incremental Charge				
36	LGS	Standby Sales (Transmission)				
37	LGS					

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Units	Test Year Billing Units	Normal Tariff Rates @ 11/29/2019	Annual Revenue @ Current Rates	Rider NFS & Standard Tariff @ 11/29/2019	Annual Revenue @ Current Rates
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### North Carolina Rider NFS - Rate Adjustment Applicable to Schedule SGS Current Rates

38	LGS	Standby Sales (Distribution)	KWH	0					
39	LGS	Energy Charge (Standby)	KWH	68,215,612	\$0.05796	\$3,953,777	\$0.00481	\$0	
40	LGS	Maximum KW (Standby)	KW	208,753					
41	LGS	BLOCK 1 - FIRST 5000 KW (Standby)	KW	60,000			\$12.96	\$777,600	
42	LGS	BLOCK 2 - NEXT 5000 KW (Standby)	KW	60,000			\$11.96	\$717,600	
43	LGS	BLOCK 3 - OVER 10,000 KW (Standby)	KW	88,753			\$10.96	\$972,731	
44									
45	Annual Revenue at Current (1) SGS and (2) SGS w/ Rider NFS Rates								
46	Annual Revenue at Current (1) SGS-TOU and (2) SGS-TOU w/ Rider NFS Rates							\$132,199	\$74,695
47	Annual Revenue at Current (1) LGS and (2) LGS w/ Rider NFS Rates							\$943,332	\$702,450
48								\$6,468,677	\$6,424,851
49	SGS Rate Adjustment								(\$57,503)
50	SGS-TOU Rate Adjustment								(\$240,882)
51	LGS Rate Adjustment								(\$43,826)

NOTE: Billing units for customers served under the standard tariff and Rider NFS are included in the rate class determinants, but usage is billed at RTP hourly rates. It is therefore necessary to adjust rate schedule revenues by the difference between actual revenue under the schedule with Rider NFS and revenue calculated at tariff rates for actual usage.

Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

## North Carolina Rider NFS - Rate Adjustment Applicable to Schedule SGS Proposed Rates

[illegible]



Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

Form E-1 - Item 42(C) - Revised

North Carolina Schedule LGS-RTP - Rate Adjustment Applicable to Schedule LGS Current Rates

	Actual Test Year Billing Units	LGS Rates @ 11/29/2019	LGS Revenue @ Current Rates	CBL Test Year Billing Units	LGS-RTP Rates @ 11/29/2019	LGS-RTP Revenue @ Current Rates
1	ALL	Basic Customer Charge - (Actual)				
2	ALL	Energy Charges - (Actual)				
3	BLOCK 1 - FIRST 5,000 KW	Demand Charges - (Actual)				
4	BLOCK 2 - NEXT 5,000 KW	Demand Charges - (Actual)				
5	BLOCK 3 - ABOVE 10,000 KW	Demand Charges - (Actual)				
6	Transmission Demand	Transformation Discount - (Actual)				
7	Transmission Energy	Transformation Discount - (Actual)				
8	Distribution Demand	Transformation Discount - (Actual)				
9	Distribution Energy	Transformation Discount - (Actual)				
10	ALL	Billed MVAR - (Actual)				
11	ALL	RTP Hourly Energy Charge - (CBL)				
12	ALL	Remove Rider JRRR revenue included in hourly rate				
13	ALL	DSM Incremental Charge - (CBL)				
14	ALL	Billed Facilities Demand - T/D Substation - (CBL)				
15	Rider Revenue Based Upon Actual Usage					
16	ALL	RTP Administrative Charge				
17	Annual Revenue at Current Rates					
18						
19						
20	LGS Rate Adjustment for Impact of LGS-RTP Rate Design (adjusted for spread factor)					
21	Calculated LGS-RTP revenue minus actual usage calculated under LGS (Current Rates)					
1	Spread Factor Calculation					
2	Annual Revenue at Current Rates					
3	Plus Riders					
4	plus Rider JRRR Credit					
5	Less All Rate Adjustments (First Year Rate Changes adjusted by Memo Revenue Sales)					
6	Impact of 1/18 EE Rate Change (Sales Adjusted for Opt-Out)					
7	Impact of 1/18 DSM Rate Change (Sales Adjusted for Opt-Out)					
8	Impact of 3/16/18 Rate Case					
9	Impact of 6/18 Fuel Deficiency Rider					
10	Impact of 9/18 JRR Recovery Rider (expired/reverse)					
11	Impact of 12/18 Fuel, Fed Tax and Coal Inventory Rate Change					
12	Impact of 12/18 JAA Rate Change					
13	Impact of 1/19 DSM, EE & Tax Reform Rate Change					
14	Less 1/18 EE Opt-Out Revenue (Source: RMRPVE-EE-RMRPVE CUM Reports)					
15	Less 1/18 DSM Opt-Out Revenue (Source: RMRPVE-DSM-RMRPVE CUM Reports)					
16	Adjusted Annual Revenue Based Upon Rate Determinants					
17	Book Revenues (Source: RMC1Y)					
18	Spread Factor (Adjusted Annual Revenue/Book Revenue)					

NOTE: LGS and Rider billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS rates and riders.

Actual annual 2018 revenue was \$736,761 per customer bills. In April 2018 book revenue exceeded the customer's bill by \$93,797.

Rate Changes Impacting Current Rates
(\$0.00025) effective 1/1/2018
(\$0.00011) effective 1/1/2018
VarIES effective 3/16/18
\$0.00016 effective 6/1/2018
\$0.00051 effective 9/1/2018
\$0.00011 effective 12/1/2018
(\$0.11) effective 12/1/2018
\$0.00240 effective 1/1/2019

North Carolina Schedule LGS-RTP - Rate Adjustment Applicable to Schedule LGS Proposed Rates

	Units	Actual		LGS Rates @ 11/29/2019	LGS Revenue @ Current Rates	CBL		LGS-RTP Rates @ 11/29/2019	LGS-RTP Revenue @ Current Rates
		Test Year	Billing Units			Test Year	Billing Units		
1	ALL		12	\$200.00	\$2,400	12	\$200.00	\$2,400	\$2,400
2	ALL		10,787,501	\$0.06327	\$682,525	12,550,536	\$0.06327	\$794,072	\$794,072
3	BLOCK 1 - FIRST 5,000 KW		32,456	\$14.15	\$459,255	22,504	\$14.15	\$318,432	\$318,432
4	BLOCK 2 - NEXT 5,000 KW		0	\$13.15	\$0	0	\$13.15	\$0	\$0
5	BLOCK 3 - ABOVE 10,000 KW		0	\$12.15	\$0	0	\$12.15	\$0	\$0
6	Transmission Demand		32,456	(\$0.53)	(\$17,202)	22,504	(\$0.53)	(\$11,927)	(\$11,927)
7	Transmission Energy		0	(\$0.0020)	(\$2,156)	12,550,536	(\$0.0020)	(\$2,510)	(\$2,510)
8	Distribution Demand		0	(\$0.45)	\$0	0	(\$0.45)	\$0	\$0
9	Distribution Energy		0	(\$0.00008)	\$0	0	(\$0.00008)	\$0	\$0
10	ALL		0	\$0.32	\$0	0	\$0.32	\$0	\$0
11	ALL		-1,082,935			(\$164,965)	0.9999	(\$164,949)	(\$164,949)
12	ALL					(1,763,035)	(\$0.00051)	\$552	\$552
13	ALL					12,234	\$2.42	\$29,605	\$29,605
14	ALL		10,787,501	\$0.00865	\$93,312	10,787,501	\$0.00865	\$93,312	\$93,312
15	Rider Revenue Based Upon Actual Usage				\$0			\$0	\$0
16	ALL					12	\$165.00	\$1,980	\$1,980
17	Annual Revenue at Current Rates				\$1,218,132				\$1,045,717
18									
19	<b>LGS Rate Adjustment for Impact of LGS-RTP Rate Design</b>								
20	Calculated LGS-RTP revenue minus calculated LGS-TOU revenue								
									<b>(\$193,387)</b>

NOTE: LGS and Rider billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS rates and riders.

[illegible]

Calculated LGS-RTP (revenue minus actual usage calculated under LGS-TOU (Current Rates))

Calculated LGS-RTP (revenue minus actual usage calculated under LGS-TOU (Current Rates))

Reconcile to Book Revenues			\$386,466,808
Plus Job Retention Rider JRR Credits			(\$2,778,318)
Less All Rate Adjustments (net of Rate Change, adjusted by Memo Reversals)			\$15,330,559
Impact of 1/18 EE Rate Change (Sales Adjusted for Opt-Out)	CR, W/N	Imputed Rate (\$159,227)	
Impact of 1/18 DSM Rate Change (Sales Adjusted for Opt-Out)	CR, W/N	637,207,587	(\$70,104)
Impact of 3/16/18 Rate Case	CR, W/N	637,207,587	
Impact of 6/18 Fuel Deficiency Rider	CR, W/N	1,980,692,382	\$2,342,355
Impact of 9/18 JRR Recovery Rider (applied/reversed)	W/NH	3,542,212,436	(\$1,004,520)
Impact of 12/18 Fuel, Feed Tax and Coal Inventory Rate Change	CR, W/N	4,424,241,728	\$4,448,889
Impact of 12/18 JJA Rate Change	CR, W/N	4,820,862	(\$370,951)
Impact of 1/19 Tax Reform Rate Change	CR, W/N	4,487,174,332	\$10,097,218
Impact of 1/19 EE & Tax Reform Rate Change (Sales Adjusted for Opt-Out)	W/NH		
Impact of 1/19 DSM Rate Change (Sales Adjusted for Opt-Out)	CR, W/N		
Less 1/18 EE Opt-Out Revenue (Source: RRCrTE, InductrIE, C&I Reports)	KWH		\$32,901,088
Less 1/18 DSM Opt-Out Revenue (Source: RRCrTE, InductrIE, C&I Reports)	DOLLARS		\$2,382,064
Adjusted Annual Revenue Based upon Rate Determinants			\$332,994,778
Book Revenues (Source: RRCrTY)			\$328,945,782
Spread Factor (Adjusted Annual Revenue/Book Revenue)			101.227861%

NOTE: LGS-TOU and Rider Billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS-TOU. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS-TOU calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS-TOU rates and riders.



Duke Energy Progress, LLC  
NCUC Docket No. E-2, Sub 1219  
Twelve Months Ended December 31, 2018  
Current and Proposed Billing Units and Revenues

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Units	Actual		CBL	
	Test Year	Billing Units	Test Year	Billing Units

North Carolina Schedule LGS-RTP-TOU - Rate Adjustment Applicable to Schedule LGS-TOU Current Rates

1	ALL	Basic Customer Charge - (Actual)	COUNT	934	\$200.00	\$186,800	934	\$200.00	\$186,800
2	On-peak	Energy Charges - (Actual)	KWH	2,066,612,484	\$0.05821	\$120,312,647	1,634,515,500	\$0.05821	\$95,145,147
3	Off-peak	Energy Charges - (Actual)	KWH	3,642,694,713	\$0.05321	\$193,827,786	2,852,668,832	\$0.05321	\$151,789,976
4	SUMMER (J-S) BLOCK 1 - FIRST 5,000 KW	Demand Charges - (Actual)	KW	1,259,955	\$22.21	\$27,983,602	881,175	\$22.21	\$19,570,897
5	SUMMER (J-S) BLOCK 2 - NEXT 5,000 KW	Demand Charges - (Actual)	KW	604,534	\$21.21	\$12,822,162	313,032	\$21.21	\$6,639,414
6	SUMMER (J-S) BLOCK 3 - ABOVE 10,000 KW	Demand Charges - (Actual)	KW	1,901,764	\$20.21	\$38,434,659	585,432	\$20.21	\$11,831,580
7	NONSUMMER (Q-M) BLOCK 1 - FIRST 5,000 KW	Demand Charges - (Actual)	KW	2,490,512	\$16.59	\$41,317,595	1,682,106	\$16.59	\$27,906,133
8	NONSUMMER (Q-M) BLOCK 2 - NEXT 5,000 KW	Demand Charges - (Actual)	KW	1,207,876	\$15.59	\$18,830,787	579,331	\$15.59	\$9,031,772
9	NONSUMMER (Q-M) BLOCK 3 - ABOVE 10,000 KW	Demand Charges - (Actual)	KW	3,054,571	\$14.59	\$44,566,184	911,631	\$14.59	\$13,300,695
10	Off-peak Excess	Demand Charges - (Actual)	KW	164,719	\$1.13	\$186,133	2,568,564	\$1.13	\$2,902,477
11	Transmission Demand	Transformation Discount - (Actual)	KWH	1,030,664	(\$0.53)	(\$546,252)	547,780	(\$0.53)	(\$290,323)
12	Transmission Energy	Transformation Discount - (Actual)	KWH	625,180,766	(\$0.00020)	(\$125,036)	504,310,418	(\$0.00020)	(\$100,862)
13	Distribution Demand	Transformation Discount - (Actual)	KW	83,439	(\$0.45)	(\$37,547)	8,519	(\$0.45)	(\$3,834)
14	Distribution Energy	Transformation Discount - (Actual)	KWH	48,329,816	(\$0.00008)	(\$3,866)	8,152,258	(\$0.00008)	(\$652)
15	ALL	Billed KVAR - (Actual)	KVAR	744,623	\$0.32	\$238,279	744,623	\$0.32	\$238,279
16	ALL	RTP Hourly Energy Charge - (CBL)	DOLLARS				\$62,328,325	0.9999	\$62,322,092
17	ALL	Remove Rider JRRR revenue included in hourly rate	KWH				281,914,931	(\$0.00051)	(\$143,777)
18	ALL	DSM Incremental Charge - (CBL)	KWH				1,221,519,246	\$0.00865	\$10,566,141
19	ALL	Billed Facilities Demand - Transmission Line - (CBL)	KW				762,533	\$1.88	\$1,433,561
20	ALL	Billed Facilities Demand - TTD Substation - (CBL)	KW				1,846,474	\$2.42	\$4,468,468
21	ALL	Billed Facilities Demand - Distribution Primary - (CBL)	KW				364,803	\$3.34	\$1,218,441
22	ALL	Billed Facilities Demand - Distribution Transformer - (CBL)	KW				955,932	\$3.80	\$3,632,540
23	ALL	RTP Administrative Charge	COUNT	934	\$165.00				\$154,110
24	Annual Revenue at Current Rates					(\$3,578,280)			(\$2,316,703)
25						\$494,415,645			\$419,482,374

LGS-TOU Rate Adjustment for Impact of LGS-RTP Rate Design (adjusted for Spread Factor)

Calculated LGS-RTP revenue minus actual usage calculated under LGS-TOU (Proposed Rates)

(\$74,933,271)

NOTE: LGS-TOU and Rider billing units reflect actual demands and energy usage for LGS-RTP customers with a customer baseline load (CBL) billed under Schedule LGS-TOU. Since LGS-RTP revenue reflects both CBL and hourly pricing, it is necessary to adjust LGS-TOU calculated revenues by the difference between actual LGS-RTP revenue and revenue calculated at standard LGS-TOU rates and riders.

**BEFORE THE NORTH CAROLINA UTILITIES COMMISSION**

**DOCKET NO. E-2, SUB 1219**  
**DOCKET NO. E-2, SUB 1193**

In the Matter of:

**DOCKET NO. E-2, SUB 1219**  
Application of Duke Energy Progress, LLC For  
Adjustment of Rates and Charges Applicable to  
Electric Service in North Carolina

**DOCKET NO. E-2, SUB 1193**  
Petition of Duke Energy Progress, LLC for an  
Accounting Order to Defer Incremental Storm  
Damage Expenses Incurred as a Result of  
Hurricanes Florence and Michael and Winter  
Storm Diego

**AGREEMENT AND  
STIPULATION OF  
PARTIAL SETTLEMENT**

Duke Energy Progress, LLC (“DEP” or the “Company”) and the Public Staff, North Carolina Utilities Commission (the “Public Staff”), collectively referred to herein as the “Stipulating Parties” through counsel and pursuant to N.C. Gen. Stat. § 62-69, respectfully submit the following Agreement and Stipulation of Partial Settlement (“Stipulation”) for consideration by the North Carolina Utilities Commission (“Commission”) in the above captioned dockets.

**I. BACKGROUND**

1. The Company incurred significant storm expenditures from Hurricanes Florence and Michael and Winter Storm Diego in 2018, and from Hurricane Dorian in 2019 (individually, the “Storm” and collectively, the “Storms”). On December 21, 2018, the Company filed a Petition for an Accounting Order to Defer Incremental Storm Damage

Expenses Incurred as a Result of Hurricanes Florence and Michael and Winter Storm Diego, in Docket No. E-2, Sub 1193 (“Storm Deferral Docket”).

2. On November 6, 2019, Senate Bill 559, An Act to Permit Financing for Certain Storm Recovery Costs (“SB 559”), was signed into law.<sup>1</sup> SB 559 amended Article 8 of Chapter 62 of the North Carolina General Statutes to create a new financing tool that an electric public utility may use to recover storm recovery costs. SB 559 established a process by which an electric public utility in the State may petition the Commission for a financing order authorizing the issuance of storm recovery bonds; the imposition, collection, and periodic adjustments of a storm recovery charge; the creation of storm recovery property; and the sale, assignment, or transfer of storm recovery property. Before issuing a financing order, the Commission must find that the issuance of the storm recovery bonds and the imposition of storm recovery charges are expected to provide quantifiable benefits to customers as compared to the costs that would have been incurred absent the issuance of storm recovery bonds.

3. While SB 559 was pending before the General Assembly but not yet signed into law, on October 30, 2019, DEP filed an application (“Application”) with the Commission in Docket No. E-2, Sub 1219 requesting a general rate increase, pursuant to N.C. Gen. Stat. §§ 62-133 and -134 and Commission Rule R1-17, along with direct testimony and exhibits. The Application requests a non-fuel base rate increase of approximately 15.6 percent in retail revenues, or approximately \$585.9 million. DEP further proposes to partially offset the increase in revenues by refunding (a) \$120.2 million related to certain tax benefits resulting from the Federal Tax Cut and Jobs Act through a

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<sup>1</sup> S.L. 2019-244.

proposed rider and the reduction in North Carolina's state-corporate tax rate, through a change to the existing excess deferred income taxes ("EDIT") rider ("EDIT-1") and the proposed implementation of a new EDIT rider ("EDIT-2"); and (b) a rate reduction of \$2.1 million related to the proposed Regulatory Asset and Liability Rider, which results in a proposed net revenue increase of \$463.6 million, or approximately 12.3 percent.. The revenue increase is based upon a 10.30 percent return on equity ("ROE") and a 53 percent equity component of the capital structure.

4. The Application also includes requests (a) for an accounting order to defer incremental storm expenditures from Hurricane Dorian and (b) to consolidate the Storm Deferral Docket with the rate case. In the rate case, the Company seeks to amortize the incremental costs of the Storms over a 15-year period, including a return on the unrecovered balance, and with respect to the capital investments, a deferral of depreciation expense and a return on the investment. In his testimony, Company witness Stephen G. De May, North Carolina President, stated that if SB 559 was passed into law, the Company would pursue securitization if it provided a savings to its customers and would cease the recovery of the remaining storm costs in current rates, and instead begin recovering the remaining unrecovered storm costs as provided for in a securitization financing order.<sup>2</sup>

5. On November 14, 2019, the Commission issued an order establishing a general rate case and suspending rates. On December 6, 2019, the Commission entered an order scheduling hearings, establishing due dates for intervention, discovery, and testimony, and requiring public notice of the Company's Application.

6. On March 13, 2020, the Company filed supplemental direct testimony and

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<sup>2</sup> *De May Direct Testimony* at 10-11.

exhibits. On April 13, 2020, the Public Staff, and the other intervenors in this proceeding, filed testimony. Among other things, Public Staff witness Shawn L. Dorgan made an adjustment to remove all capital and O&M costs associated with the Storms in the present case because the Company indicated that it would seek securitization if authorized by the General Assembly. Witness Dorgan also stated that based upon the Public Staff's review of the costs the Company has included in the present case, the Public Staff believes the costs associated with Hurricanes Florence, Michael, and Winter Storm Diego were prudently incurred.<sup>3</sup> The Public Staff subsequently filed supplemental testimony and exhibits on April 23, 2020. In his supplemental testimony, witness Dorgan stated that based upon the Public Staff's review, the costs associated with Hurricane Dorian were also prudently incurred.<sup>4</sup>

7. On May 4, 2020, the Company filed its rebuttal testimony. Among other things, Company witness De May stated in his testimony that the Company looked forward to pursuing securitization at the appropriate time but believed the cost of the Storms should remain a part of the Company's request in this proceeding until the Commission reaches the same determination as reached by the Company and the Public Staff that the costs were prudently incurred, and the Commission subsequently approves a financing petition.

8. The parties to this proceeding have conducted substantial discovery on the issues raised in the Application, as well as on the direct, supplemental and rebuttal testimonies of the Company and the direct and supplemental testimonies of the Public Staff. Prior to the evidentiary hearing, the Stipulating Parties reached a partial settlement with respect to some of the revenue requirement issues presented by the Company's

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<sup>3</sup> *Dorgan Direct Testimony* at 32.

<sup>4</sup> *Dorgan Supplemental Direct Testimony* at 9.

Application, including those arising from the supplemental and rebuttal testimonies and exhibits. In addition, the Stipulating Parties have reached a settlement as it relates to the ratemaking treatment of the cost of the Storms. The Stipulating Parties agree and stipulate as follows:

## **II. UNRESOLVED ISSUES**

The Stipulating Parties have not reached a compromise on the following issues (“Unresolved Issues”):

1. Coal ash costs - Cost recovery of the Company’s coal ash costs, recovery amortization period and return during the amortization period.
2. Deferred Non-Asset Retirement Obligation (“ARO”)  
Environmental Costs Amortization Period – Whether the Company’s proposed amortization period of five (5) years should be approved versus the Public Staff’s proposed amortization period of (10) ten years.
3. Excess Deferred Income Taxes (“EDIT”) – The following components of the Company’s EDIT rider proposal remain contested both in length of amortization period and method of recovery: Unprotected federal EDIT, North Carolina EDIT, and Deferred Revenue. The parties agree on the treatment of federal protected EDIT as described below in the Resolved Issues.
4. Return on Equity (“ROE”) – Whether the Company’s proposed ROE of 10.3% should be adopted versus the Public Staff’s



proposed ROE of 9.0%.

5. Capital Structure – Whether the Company’s proposed equity ratio of 53% should be adopted versus the Public Staff’s proposed equity ratio of 50%.
6. Cost of Service Allocation Methodology – The methodology for allocating the Company’s production demand related costs.
7. Update revenues, customer growth and weather to February 29, 2020 – Whether revenues, customer growth and weather should be updated beyond February 29, 2020, as described in Company witness Michael Pirro’s rebuttal testimony.
8. Depreciation Rates – The depreciation rates appropriate for use in this case, including whether the Company’s proposal to shorten the lives of certain coal-fired generating facilities should be approved.
9. Grid Improvement Plan - Whether the Company’s request to defer certain categories of costs should be approved as appropriate costs under the Company’s proposed Grid Improvement Plan and whether those costs are eligible for deferral under the Commission’s deferral standards.
10. Nuclear Decommissioning Expense – The appropriate level of nuclear decommissioning expense.
11. Any other revenue requirement or non-revenue requirement issue other than those issues specifically addressed in this



Stipulation or agreed upon in the testimony of the Stipulating Parties.

### **III. RESOLVED ISSUES**

The Stipulating Parties have reached an agreement regarding the following revenue requirement issues ("Resolved Issues"). The actual amount of the agreed-upon adjustments may differ due to the effects of the Unresolved Issues. The revenue requirement effects of the agreed-upon issues are shown on Maness Stipulation Exhibit 1 and Smith Partial Settlement Exhibit 1. The revenue requirement impacts of this Stipulation provide sufficient support for the annual revenue required on the issues agreed to in this Stipulation. No Stipulating Party waives any right to assert a position in any future proceeding or docket before the Commission or in any court, as the adjustments agreed to in this Stipulation are strictly for purposes of compromise and are intended to show a rational basis for reaching the agreed-upon revenue requirement adjustments without either party conceding any specific adjustment. The Stipulating Parties agree that settlement on these issues will not be used as a rationale for future adjustments on contested issues brought before the Commission. The areas of agreement are as follows:

#### ***Storm Costs***

1. The Stipulating Parties agree to remove the capital and O&M costs associated with the Storms and to reflect a 10-year normalized level of storm expense for storms that would not otherwise be large enough for the Company to securitize.

2. DEP agrees to file a petition for a financing order under N.C. Gen. Stat. § 62-172 no later than 120 days from the issuance of an Order by the Commission in this rate case in which the Commission makes findings and conclusions regarding the costs of

the Storms and this Stipulation, unless a party in the rate case appeals the Commission's order as it relates to costs of the Storms or the provisions of this Stipulation related to the costs of the Storms and securitization. If an appeal is filed, the 120-day limit shall be suspended until the Commission decision is affirmed, or if not affirmed, until the issuance of a Commission Order on remand following the decision on the appeal, unless the Company chooses before that time to pursue recovery under subsection (5), in which case the original 120-day limit shall be deemed to have applied. Should DEP fail to file a petition within the time period specified in this paragraph, the parties agree that in any subsequent ratemaking proceeding held to provide for recovery of the costs of the Storms, the parties reserve the right to assert their respective positions regarding the appropriate ratemaking treatment of the cost of the Storms.

3. The Stipulating Parties agree that to demonstrate quantifiable benefits to customers in accordance with N.C. Gen. Stat. § 62-172(b)(1)g., the Company must show that the net present value of the costs to customers using securitization is less than the net present value of the costs that would result under traditional storm cost recovery. For purposes of settlement for the cost of these Storms only, the Stipulating Parties agree that when conducting this comparison in the subsequent securitization docket for the Storms, the following assumptions shall be made:

- a. For traditional storm cost recovery, 12 months of amortization for each Storm was expensed prior to the new rates going into effect;
- b. For traditional storm cost recovery, no capital costs incurred due to the Storms during the 12-month period were included in the deferred balance;
- c. For traditional storm cost recovery, no carrying charges were accrued on the deferred balance during the 12-month period following the date(s) of the Storm(s);

- d. For traditional cost recovery, the amortization period for the Storms is a minimum of 15 years; and
- e. For securitization, the imposition of the Storm recovery charge begins nine months after the new rates go into effect

4. The Stipulating Parties agree that pursuant to N.C. Gen. Stat. § 62-172, the amortization of securitized costs of the Storms shall not begin until the date the storm recovery bonds are issued.

5. The Stipulating Parties agree that a storm cost recovery rider in this proceeding that will be initially set at \$0 should be established in the rate case. Should the Company not file a petition for a financing order or is unable to recover the costs of the Storms through N.C. Gen. Stat. § 62-172, the Company may request recovery of the costs of the Storms from the Commission by filing a petition requesting an adjustment to this rider. In such case, the Stipulating Parties reserve the right to argue their respective positions regarding the appropriate ratemaking treatment for recovering the costs of the Storms.

6. The Stipulating Parties agree to file a joint petition for rulemaking to establish the standards and procedures that will govern future financing petitions under N.C. Gen. Stat. § 62-172 upon the issuance of storm recovery bonds for the Storms.

#### *Accounting Adjustments*

7. The Company accepts the Public Staff's proposed adjustment to executive compensation to remove 50 percent of the benefits associated with the five Duke Energy executives with the highest amounts of compensation, in addition to the 50 percent of their compensation removed in the Company's initial application.

8. The Public Staff agrees to the rate case expenses in the Company's rebuttal

filing. The Stipulating Parties agree to amortize the rate case expenses over a five-year period, but the unamortized balance will not be included in rate base.

9. The Stipulating Parties agree to remove aviation expenses associated with international flights, in addition to the 50 percent of the aviation expenses removed in the Company's initial application.

10. The Stipulating Parties agree that Company employee incentives should be adjusted to remove incentive pay related to earnings per share and total shareholder returns for the top levels of Company leadership.

11. The Stipulating Parties agree that certain sponsorships and donations expenses as well as certain outside service expenses should be excluded.

12. The Stipulating Parties agree that severance expenses should be amortized over a three-year period, but the unamortized balance will not be included in rate base.

13. The Stipulating Parties agree to remove certain lobbying and Board of Directors expenses.

14. The Stipulating Parties agree to the adjustment to the W. Asheville Vanderbilt 115kV project as reflected in Maness Stipulation Exhibit 1 and Smith Partial Settlement Exhibit 1 (subject to unsettled jurisdictional and class allocation factor methodology differences). The Company appropriately classified the line as transmission in its supplemental filing. The settlement adjustment makes a small correction to the Company's adjustment in its supplemental filing.

15. The Public Staff agrees to the Company's rebuttal position on credit card fees.

16. The Company accepts the Public Staff's adjustment to end-of-life nuclear

materials and supplies reserve expense, reduced as described in the direct testimony of Public Staff witness Dustin Metz.

17. The Asheville CC project is complete, placed in service, and available for economic dispatch. The Stipulating Parties agree to the following:

- a. The appropriate amortization period for the deferred expenses is four years with a levelized return.
- b. The Company's non-fuel variable O&M expense amount should be reduced to account for a production displacement adjustment.
- c. The amount of Asheville CC plant in service appropriate to include in rate base and used for the deferral calculation in this proceeding is the amount reflected in the Company's rebuttal testimony (subject to unsettled jurisdictional and class allocation factor methodology differences). The Public Staff reserves the right to review any actual reimbursements received from the EPC contractor in a subsequent rate case.

18. The Stipulating Parties agree to remove the protected federal EDIT from the Company's proposed EDIT rider and return these amounts to customers through base rates.

19. The Public Staff agrees to withdraw its adjustment related to CertainTeed payment obligation. The Company removed this expense from this proceeding in its supplemental filing. The Stipulating Parties maintain their respective positions on this item in the DEP fuel proceeding in Docket No. E-2, Sub 1204.

20. The Stipulating Parties agree to include annualized accumulated depreciation for the Asheville CC plant not previously included in supplemental or rebuttal

filings.

#### **IV. AGREEMENT IN SUPPORT OF SETTLEMENT; NON-WAIVER.**

1. The Stipulating Parties shall act in good faith and use their best efforts to recommend to the Commission that this Stipulation be accepted and approved. The Stipulating Parties further agree that this Stipulation is in the public interest because it reflects a give-and take of contested issues and results in rates (with respect to the stipulated issues) that are just and reasonable. The Stipulating Parties agree that they will support the reasonableness of this Stipulation before the Commission, and in any appeal from the Commission's adoption and/or enforcement of this Stipulation.

2. Neither this Stipulation nor any of the terms shall be admissible in any court or Commission except insofar as such court or Commission is addressing litigation arising out of the implementation of the terms herein or the approval of this Stipulation. This Stipulation shall not be cited as precedent by any of the Parties regarding any issue in any other proceeding or docket before this Commission or in any court.

3. The provisions of this Stipulation do not reflect any position asserted by any of the Stipulating Parties but reflect instead the compromise and settlement among the Stipulating Parties as to all the issues covered hereby. No Party waives any right to assert any position in any future proceeding or docket before the Commission or in any court.

4. This Stipulation is a product of negotiation among the Stipulating Parties, and no provision of this Stipulation shall be strictly construed in favor of or against any Party.

#### **V. RECEIPT OF TESTIMONY AND WAIVER OF CROSS-EXAMINATION**

The pre-filed testimony and exhibits of the Stipulating Parties on Resolved Issues



may be received in evidence without objection, and each Party waives all right to cross examine any witness with respect to such pre-filed testimony and exhibits. If, however, questions are asked by any Commissioner, or if questions are asked or positions are taken by any person who is not a Party, then any Party may respond to such questions by presenting testimony or exhibits and cross-examining any witness with respect to such testimony and exhibits.

**VI. STIPULATION BINDING ONLY IF ACCEPTED IN ITS ENTIRETY.**

This Stipulation is the product of negotiation and compromise of a complex set of issues, and no portion of this Stipulation is or will be binding on any of the Stipulating Parties unless the entire Agreement and Stipulation is accepted by the Commission. If the Commission rejects any part of this Stipulation or approves this Stipulation subject to any change or condition or if the Commission's approval of this Stipulation is rejected or conditioned by a reviewing court, the Stipulating Parties agree to meet and discuss the applicable Commission or court order within five business days of its issuance and to attempt in good faith to determine if they are willing to modify the Stipulation consistent with the order. No Party shall withdraw from the Stipulation prior to complying with the foregoing sentence. If any Party withdraws from the Stipulation, each Party retains the right to seek additional procedures before the Commission, including cross-examination of witnesses, with respect to issues addressed by the Stipulation and shall be bound or prejudiced by the terms and conditions of the Stipulation.

**VII. COUNTERPARTS.**

This Stipulation may be executed in one or more counterparts, each of which shall



be deemed an original, but all of which together shall constitute one and the same instrument. Execution by facsimile signature shall be deemed to be, and shall have the same effect as, execution by original signature.

#### **VIII. MERGER CLAUSE**

This Stipulation supersedes all prior agreements and understandings between the Stipulating Parties and may not be changed or terminated orally, and no attempted change, termination or waiver of any of the provisions hereof shall be binding unless in writing and signed by the parties hereto.

The foregoing is agreed and stipulated this the 2nd day of June, 2020.

Duke Energy Progress, LLC

By: /s/ Stephen G. De May

Public Staff – North Carolina Utilities Commission

By: 

**BEFORE THE NORTH CAROLINA UTILITIES COMMISSION**  
**DOCKET NO. E-2, SUB 1219**

DOCKET NO. E-2, SUB 1219	)	
	)	
	)	
In the Matter of	)	
Application of Duke Energy Progress, LLC	)	<b>SECOND AGREEMENT</b>
For Adjustment of Rates and Charges	)	<b>AND STIPULATION OF</b>
Applicable to Electric Service in North	)	<b>PARTIAL SETTLEMENT</b>
Carolina	)	
	)	

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Duke Energy Progress, LLC (“DE Progress” or the “Company”) and the Public Staff - North Carolina Utilities Commission (the “Public Staff”) (collectively referred to herein as the “Stipulating Parties” or either individually, a “Stipulating Party”), through counsel and pursuant to N.C. Gen. Stat. § 62-69, respectfully submit the following Second Agreement and Stipulation of Settlement (“Second Partial Stipulation”) for consideration by the North Carolina Utilities Commission (“Commission”) in the above captioned docket.

**I. BACKGROUND**

1. On October 30, 2019, DE Progress filed an application (“Application”) with the Commission in Docket No. E-2, Sub 1219 requesting a general rate increase, pursuant to N.C. Gen. Stat. §§ 62-133 and -134 and Commission Rule R1-17, along with direct testimony and exhibits. The Application requests a non-fuel base rate increase of approximately 15.6% in retail revenues, or approximately \$585.9 million. DE Progress further proposes to partially offset the increase in revenues by (a) a refund of \$120.2 million related to certain tax benefits resulting from the Federal Tax Cut and Jobs Act through a proposed rider and the reduction in North Carolina’s state-corporate tax rate, through a

change to the existing excess deferred income taxes (“EDIT”) rider (“EDIT-1”) and the proposed implementation of a new EDIT rider (“EDIT-2”); and (b) a rate reduction of \$2.1 million related to the proposed Regulatory Asset and Liability Rider, which results in a proposed net revenue increase of \$463.6 million, or approximately 12.3%. The revenue increase is based upon a 10.30% return on equity (“ROE”) and a 53% equity component of the capital structure.

2. On November 14, 2019, the Commission issued an order establishing a general rate case and suspending rates. On December 6, 2019, the Commission entered an order scheduling hearings, establishing due dates for intervention, discovery, and testimony, and requiring public notice of the Company’s Application.

3. On March 13, 2020, the Company filed supplemental direct testimony and exhibits. On April 13, 2020, the Public Staff, and the other intervenors in this proceeding, filed testimony. The Public Staff subsequently filed supplemental testimony and exhibits on April 23, 2020.

4. On May 4, 2020, the Company filed its rebuttal testimony.

5. On June 2, 2020, the Stipulating Parties reached a partial settlement with respect to some of the revenue requirement issues presented by the Company’s Application, including those arising from the supplemental and rebuttal testimonies and exhibits (the “First Partial Stipulation”) which resolved several contested revenue requirement issues including agreement as it relates to the ratemaking treatment of storm costs; that same day the Company filed settlement supporting testimony. On June 5, 2020, the Public Staff filed settlement supporting testimony.

6. On July 2, 2020, the Company filed second supplemental direct testimony and exhibits updating certain material pro forma adjustments through May 31, 2020 (“the May 2020 Updates”), and on July 9, 2020, it filed corrections to the second supplemental direct testimony.

7. On July 7, 2020, the Public Staff filed a response to the filing of the May 2020 Updates. On July 9, 2020, the Company and Duke Energy Carolinas, LLC (“DE Carolinas”) jointly filed a reply to the Public Staff’s filing, and on July 14, 2020, the Public Staff filed a further response.

8. On July 20, 2020, the Company filed additional supplemental rebuttal testimony.

9. On July 21, 2020, the Commission issued its *Order on Duke Energy Carolinas, LLC’s and Duke Energy Progress, LLC’s Second Supplemental Testimony* requiring the Company to file a statement in each docket pursuant to the Commission’s Order on or before July 27, 2020.

10. On July 27, 2020, the Public Staff, DE Progress and DE Carolinas filed a *Joint Motion to Postpone Hearing and Additional Procedural Deadlines*, which was approved by the Commission that same day in its *Order Granting Joint Motion and Further Rescheduling Consolidated, Remote Hearing* that rescheduled the consolidated, remote hearing for August 24, 2020.

11. The parties to this proceeding have conducted substantial discovery on the issues raised in the Application, as well as on the direct, supplemental, rebuttal, and supplemental rebuttal testimonies of the Company and the direct and supplemental testimonies of the Public Staff. The Stipulating Parties have reached a second partial

settlement with respect to additional revenue requirement issues presented by the Company's Application, including those arising from the supplemental and rebuttal testimonies and exhibits. The Stipulating Parties have also reached settlement as it relates to other non-revenue requirement-related issues.

The Stipulating Parties agree and stipulate as follows:

## **II. REVISED UNRESOLVED ISSUES**

The Stipulating Parties have not reached a compromise on the following issues which remain contested (the "Revised Unresolved Issues"):

- A. Coal ash costs - Cost recovery of the Company's coal ash costs, recovery amortization period and return during the amortization period.
- B. Depreciation Rates – The depreciation rates appropriate for use in this case, including the Company's proposal to shorten the lives of certain coal-fired generating facilities.
- C. Any other revenue requirement or non-revenue requirement issue other than those issues specifically addressed in this Second Partial Stipulation, the First Partial Stipulation, or agreed upon in the testimony of the Stipulating Parties.

## **III. ADDITIONAL REVENUE REQUIREMENT ISSUES RESOLVED BETWEEN**

### **THE PARTIES**

Since executing the First Partial Stipulation, the Stipulating Parties have reached an agreement regarding the following additional revenue requirement issues. The actual amount of the agreed-upon adjustments may differ due to the effects of the Revised

Unresolved Issues or any issues arising out of the Public Staff's audit of the Company's May 2020 Updates. This Second Partial Stipulation provides sufficient support for the annual revenue required on the issues agreed to in this Second Partial Stipulation.<sup>1</sup> No Stipulating Party waives any right to assert a position in any future proceeding or docket before the Commission or in any court, as the adjustments agreed to in this Second Partial Stipulation are strictly for purposes of compromise and are intended to show a rational basis for reaching the agreed-upon revenue requirement adjustments without either Stipulating Party conceding any specific adjustment. The Stipulating Parties agree that settlement on these issues will not be used as a rationale for future adjustments on contested issues brought before the Commission. The areas of agreement are as follows:

***Excess Deferred Income Taxes***

A. With regard to Excess Deferred Income Taxes ("EDIT"), DE Progress and the Public Staff agree as follows:

- 1) Protected federal EDIT will be returned to customers in base rates via use of the Average Rate Assumption Method, as previously agreed to by the parties in the First Partial Stipulation.
- 2) The regulatory liabilities related to (a) unprotected federal EDIT (both the portion identified by the Company as related to property, plant, and equipment and the portion identified as not related to such) (collectively, "total unprotected federal EDIT"); (b) North Carolina EDIT, and (c) deferred revenues related to the provisional overcollection of federal income taxes ("deferred revenues") will be

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<sup>1</sup> The total increase in base rate revenues and the resulting average increase, if any, will not be determined until the Commission rules on the Revised Unresolved Issues and any issues arising out of the Public Staff's audit of the Company's May 2020 Updates.

returned to customers through a rider by using the levelized rider calculation methodology described and set forth in the testimony and exhibits of the Public Staff in this proceeding.

- 3) Total unprotected federal EDIT will be returned to customers over a five-year amortization period (the “Unprotected Federal EDIT Amortization Period”).
- 4) North Carolina EDIT will be returned to customers over a two-year amortization period (the “NC EDIT Amortization Period”).
- 5) Deferred revenues will be returned to customers over a two-year amortization period.
- 6) Should an increase or decrease in the federal income tax rate occur during the five-year Unprotected Federal EDIT Amortization Period, the Company may file for an adjustment to the unprotected federal EDIT levelized rider, updating the unamortized balance of unprotected federal EDIT, subject to review by the Public Staff and other intervenors in this proceeding, and approval by the Commission. The updated calculation will be filed with the Commission with supporting schedules no less than 90 days prior to the proposed rider change effective date. The Stipulating Parties agree to support the amortization periods as described in paragraphs 7 and 8 below.
- 7) If the net unamortized unprotected federal EDIT balance as of the effective date of the tax rate increase, after taking into account the effect of the tax rate change, remains a net regulatory liability owed to customers, the annual levelized amortization of the net regulatory liability will be recalculated to reflect amortization of the net balance over the remainder of the five-year Unprotected



Federal EDIT Amortization Period made effective in this general rate case proceeding.

8) If the net unamortized unprotected federal EDIT balance as of the effective date of the tax rate increase, after taking into account the effect of the tax rate change, becomes a net regulatory asset recoverable from customers, the annual levelized amortization of the net regulatory asset will be recalculated to reflect amortization of the net balance over a new time period of at least five years, beginning as of the date the rider is changed. The Public Staff and the Company agree that each Stipulating Party may propose a longer amortization period, if a five-year amortization produces a rate increase for customers that either Stipulating Party believes to be unreasonably high.

9) Any adjustment to the levelized unprotected federal EDIT rider made as a result of changes in the federal income tax rate will include a component taking into account the changes in rate base appropriate to reflect the levelized adjustment(s) made to the rider.

10) This agreement applies to any federal income tax rate changes occurring and becoming effective during the five-year Unprotected Federal EDIT Amortization Period made effective in this general rate case proceeding. It shall not apply to any tax rate change occurring after the five-year Unprotected Federal EDIT Amortization Period.

11) Should an increase or decrease in the North Carolina state income tax rate occur during the two-year NC EDIT Amortization Period, the Company may file for an adjustment to the North Carolina EDIT portion of the levelized rider,

updating the unamortized balance of North Carolina EDIT, subject to review by the Public Staff and other intervenors in this proceeding, and approval by the Commission. The updated calculation will be filed with the Commission with supporting schedules no less than 90 days prior to the proposed rider change effective date. The Stipulating Parties agree to support the amortization periods as described in paragraphs 12 and 13 below.

12) If the net unamortized North Carolina EDIT balance as of the effective date of the tax rate increase, after taking into account the effect of the tax rate change, remains a net regulatory liability owed to customers, the annual levelized amortization of the net regulatory liability will be recalculated to reflect amortization of the net balance over the remainder of the two-year NC EDIT Amortization Period made effective in this general rate case proceeding.

13) If the net unamortized North Carolina EDIT balance as of the effective date of the tax rate increase(s), after taking into account the effect of the tax rate change(s), becomes a net regulatory asset recoverable from customers, the annual levelized amortization of the net regulatory asset will be recalculated to reflect amortization of the net balance over a new time period of five years, beginning as of the date the rider is changed. The Public Staff and the Company agree that each Stipulating Party may propose a longer amortization period, if a five-year amortization produces a rate increase for customers that either Stipulating Party believes to be unreasonably high.

14) Any adjustment to the North Carolina EDIT portion of the levelized rider made as a result of changes in the North Carolina state income tax rate will include

a component taking into account the changes in rate base appropriate to reflect the leveled adjustment(s) made to the rider.

15) This agreement applies to any North Carolina state income tax rate changes occurring and becoming effective during the two-year NC EDIT Amortization Period made effective in this general rate case proceeding. It shall not apply to any tax rate change occurring after the two-year NC EDIT Amortization Period.

### *Cost of Capital*

B. Revenues approved for DE Progress in this proceeding should be adjusted to provide DE Progress, through sound management, the opportunity to earn a return on equity ("ROE") of 9.60%. This ROE will be applied to the common equity component of the Company's ratemaking capital structure consisting of 52% equity and 48% long-term debt. The embedded cost of debt agreed to by the Stipulating Parties as appropriate and reasonable for purposes of this proceeding is the May 2020 debt cost of 4.04%. The weighted overall rate of return resulting from the above inputs is 6.93%.

### *Grid Improvement Plan*

C. For purposes of settlement, the Public Staff agrees to the Company's requested deferral accounting treatment, as described in more detail below, for the following Grid Improvement Plan ("GIP") programs, as set forth in Company witness Oliver's Exhibit 10, limited to the estimated three-year capital budget period of 2020-2022: Self-Optimizing Grid ("SOG") (all subprograms including Capacity and Connectivity, Segmentation and Automation, ADMS), Conversion to CVR, Integrated System and Operations Planning ("ISOP"), Transmission System Intelligence, Distribution Automation, Power Electronics, DER Dispatch Tool, and Cyber Security. For all other GIP

investments proposed by the Company in this docket, the Company agrees that it will withdraw its request for deferral accounting.

D. The Stipulating Parties' agreement regarding deferral treatment of GIP costs constitutes only approval of the decision to incur GIP program costs. The Public Staff reserves the right to review costs for reasonableness and prudence.

E. DE Progress, in conjunction with the concurrent commitment of DE Carolinas, and the Public Staff will work together to develop biannual reporting requirements to track GIP expenditures that receive accounting deferral treatment. At a minimum, the reporting requirements will include (1) tracking of costs for each program, including the number of devices installed, types of projects completed, or circuits modified or impacted; (2) reporting on a circuit and substation level; (3) a summary of actual benefits compared to projected benefits, (4) operational system impacts of SOG (i.e., number of SOG activations and failure rates), and (5) supporting data and analyses that informed significant changes to the original scope for the SOG programs. The first of these reports shall be filed reflecting GIP expenditures eligible for deferral occurring in the last six months of 2020.

F. The Company agrees to assess the cost effectiveness of GIP-related projects in an ongoing manner. In addition, the Company agrees to undertake a cost benefit analysis for its automated lateral device program.

G. Deferral should be restricted to incremental capital costs (return, property tax, and depreciation) related to plant in service and incremental expenses (offset by incremental operating benefits) (in total, Eligible Net Costs) for plant placed in service between June 1, 2020 and December 31, 2022 (Eligible Plant), and a return on the deferred

balance (Carrying Costs). Deferral of any specific portion of Eligible Net Costs and Carrying Costs (as reasonably determined through direct assignment or allocation) shall cease upon the effective date of any general rate case in which the associated Eligible Plant is recognized as included in rate base. If no general rate case order that recognizes the entirety of Eligible Plant in rate base has been issued by December 31, 2024, the Company shall cease deferral of all Eligible Net Costs and Carrying Costs, and shall consult with the Public Staff regarding beginning the amortization of the deferred costs for regulatory accounting and ratemaking purposes.

H. The Stipulating Parties agree that the deferral will not include overhead or administrative and general costs. However, the capitalized project costs will be allowed to include a reasonable allocation of management and supervision costs for people who manage and supervise GIP projects (limited to costs for which the expensed portion is normally recorded in the 500 series of FERC USOA accounts). For purposes of this deferral, these costs are not considered overhead and shall not be excluded.

#### *Cost of Service*

I. For this case only, the Public Staff accepts, subject to the conditions in Section IV. B. below, the Company's proposal to calculate and allocate the Company's cost of service based on a Summer Coincident Peak ("SCP") methodology. This provision shall not constitute precedent and shall have no effect on the Rate Design Study proposed by the Public Staff and agreed to by the Company.

#### *Accounting Adjustments*

J. Concerning the Company's May 2020 Updates to certain pro forma adjustments, the Stipulating Parties agree to include these updates, pending and subject to

the Public Staff's audit of the updates. In addition, the Stipulating Parties agree to limit the update to revenues to 75% of the difference between the May 2020 Updates and the Company's February 2020 update to recognize the uncertainty regarding the effects of COVID-19. This 75% limitation is applicable only if the net effect of the updates on revenues is a revenue requirement increase. The Stipulating Parties further agree that the May 2020 Updates shall also include updates for benefits and executive compensation through May 2020.

K. The Stipulating Parties agree to reduce the annual funding for the Company's Nuclear Decommissioning Trust Fund by \$8.7 million, and further agree to support this funding amount in DE Progress's current cost and funding decommissioning Docket No. M-100, Sub 56. To the extent the Commission orders in that docket a different level of funding than the amount agreed to in this Second Partial Stipulation, the Stipulating Parties agree that the Company will defer the difference to a regulatory asset or liability to be considered in its next rate case.

L. The Stipulating Parties agree to amortize deferred non-asset retirement obligation (non-ARO) environmental costs over an 8-year period.

#### **IV. OTHER AREAS OF AGREEMENT**

The Stipulating Parties also agree to the following:

##### ***May 2020 Updates***

A. The Stipulating Parties agree that the Public Staff shall have until September 15, 2020, to audit the DE Progress May 2020 Updates, and file testimony or affidavits, with schedules, addressing both the updates and the information requested by the Commission by its *Order Requiring Duke Energy Carolinas, LLC, and Duke Energy*

*Progress, LLC, to File Additional Testimony on Grid Improvement Plans and Coal Combustion Residual Costs* dated July 23, 2020. To the extent that the expert evidentiary hearings on DE Progress's Application (including consolidated and Company-specific portions) are completed prior to September 15, 2020, the record shall remain open to allow the Public Staff the opportunity to file testimony or affidavits, with schedules; and to allow the Company to file a response, if necessary. In order to accomplish this timeline, the Company commits to provide complete responses to data requests within four business days of the receipt of the Public Staff's requests and commits to verbally engaging with the Public Staff to resolve any questions or ambiguities as soon as reasonably possible. To the extent the Company believes it necessary or appropriate to file rebuttal testimony, the Company shall have no fewer than two business days to review the Public Staff's filing and serve discovery. The Public Staff shall have no fewer than one business day to respond. The Company shall file rebuttal within five business days after the filing of Public Staff testimony. The Public Staff and intervenors shall have no fewer than two business days outside of the hearing to review the rebuttal and serve discovery. The Companies shall have no fewer than one business day to respond. If the filings of the Public Staff and the Company require resumption of the hearings, such hearings shall be resumed within three business days after the filing of the Company's rebuttal testimony, and the record shall accordingly remain open through the completion of the hearing and filing of any late-filed exhibits.

***Additional Cost of Service Studies***

B. DE Progress has based its filing in this Docket on the SCP methodology for cost allocation among jurisdictions and among customer classes. The Public Staff



advocates the use of the Summer-Winter Peak and Average (“SWPA”) methodology for those purposes. As noted in Section III above, the Stipulating Parties agree that for purposes of settlement, the Company may use the SCP methodology. However, the Stipulating Parties agree that prior to the filing of its next general rate case, the Company shall undertake an analysis of additional cost of service studies subject to the following conditions:

- 1) The Company agrees to analyze and develop cost of service studies based on each of the following methodologies:
  - a. Single Summer Coincident Peak;
  - b. Single Winter Coincident Peak;
  - c. One that utilizes the four highest monthly system peaks (two monthly peaks in summer and two monthly peaks in winter);
  - d. SWPA;
  - e. Base Intermediate and Peak (as described in the Regulatory Assistance Project (“RAP”) “Electric Cost Allocation for a New Era” Manual, published January 2020); since the Company’s accounting systems do not have the data developed to produce such a study, this method may be analyzed by looking at how it has been used at another utility or with a higher level hypothetical analysis;
  - f. One that utilizes the twelve highest monthly system peaks in the test year; and
  - g. Any other identified relevant methodologies.

To the extent cost of service studies were developed in the current rate cases for these methodologies, those studies may be used for the analysis, and to the extent cost of service studies for a methodology have not already been developed, the underlying adjusted cost of service data from the current rate cases may be used to develop the studies.

2) Each methodology studied will include an evaluation of the allocation of the functions of utility service (production plant, transmission plant, distribution plant, and customer costs), including an identification of which cost components associated with these functions of utility service are fixed, and which are variable costs of service. The above methodologies only impact production and transmission allocations; however, the cost of service studies will show the allocation of all functions. For purposes of these studies, all demand and customer classified costs can be designated as fixed and all energy classified costs can be designated as variable.

3) Each methodology studied will include an evaluation of its strengths and weaknesses on both a jurisdictional and class allocation basis.

4) Included in the studies shall be a discussion of how the allocation of fuel and other variable operations and maintenance (“O&M”) expenses align with system planning.

5) The Company shall consult with the Public Staff and any other interested parties throughout the study process.

This settlement shall not be a precedent for, and may be contested in, future general rate case proceedings, and the Company will continue to file annual cost of service studies based on both the SCP and SWPA methodologies until instructed to do otherwise by the

Commission. The Company also agrees that it will not cite Commission approval of the Second Partial Stipulation as support for approval of the SCP methodology in future proceedings.

***Rate Design***

C. The Company agrees that any proposed revenue change will be apportioned to the customer classes such that:

- 1) Any revenue increase assigned to any customer class is limited to no more than two percentage points greater than the overall jurisdictional revenue percentage increase, thus avoiding rate shock;
  - 2) Class RORs are maintained within a band of reasonableness of  $\pm 10\%$  relative to the overall NC retail ROR; for class RORs currently above the band of reasonableness, the Company will gradually move class RORs closer to the band of reasonableness;
  - 3) All class RORs move closer to parity with the North Carolina retail ROR; and
  - 4) Subsidization among the customer classes is minimized.
- D. The Stipulating Parties agree that the proposed modifications to the

Company's rate schedules are reasonable for purposes of this proceeding.

E. The Stipulating Parties agree that the Commission should order a comprehensive rate design study that will address rate design questions related to, among other things:

- 1) Firm and non-firm utility service, and the degree of customer-owned generation receiving both types of service.

- 2) Various types of end-uses such as electric vehicles (“EVs”), microgrids, energy storage, and distributed energy resources (“DERs”).
- 3) The formats of future rate schedules (basic customer charges, demand charges, energy charges, etc.).
- 4) Marginal cost versus average cost rate designs and pricing.
- 5) Unbundling of average rates into the various functions of utility service (i.e., production, transmission, distribution, customer, general/administrative, etc.).
- 6) Socialization of costs versus categorization of specific costs and corresponding impact on rates/revenues.

F. The Stipulating Parties agree that the Commission should order the Company to convene a stakeholder process that is tasked with addressing affordability issues for low-income residential customers, with a timeline for the process, including deadlines for periodic reporting and filing recommendations to the Commission. The Stipulating Parties propose one year for this process. The recommended topics to be discussed, investigated, and analyzed should include:

- 1) How “affordability” has changed over time and seek to define it for purposes of utility service today.
- 2) The success of existing rates, assistance, and energy efficiency programs to address affordability.
- 3) The data related to load, cost, and revenue profiles of low-income customers and the residential class in general, cost-causation, impact to cost-of-service, potential for subsidization, impact on revenues and rates for all customers, program eligibility, extent of assistance needed to be meaningful, definition of a “successful

program,” and other reasonably appropriate matters as agreed to by the Stipulating Parties.

G. The Stipulating Parties agree that DE Progress will develop and propose EV rate designs as part of the rate design study agreed to in this Second Partial Stipulation.

H. The Stipulating Parties agree that any costs associated with the MRM option in Rider MROP not recovered by the rider itself should be socialized and recovered from all customers. The current charges provide a reasonable hurdle to discourage a customer from opting out of AMI metering without a legitimate reason.

#### ***Audits and Reporting Obligations***

I. The Company agrees to work with the Public Staff on document retention, project reporting and other reasonably applicable matters to better assist the Public Staff in future audits of plant within 90 days after the Commission issues its final order in this rate case.

J. The Company agrees to conduct an independent review/audit of its Material & Supplies inventory to be performed by the Company’s Internal Audit Services. The terms of the audit should, at a minimum, meet those recommended in the testimony of Public Staff witness Metz.

K. The Stipulating Parties agree to schedule a meeting to discuss the Company’s plant unitization policies and reach agreement on reporting obligations.

L. The Stipulating Parties agree that the Commission should require the Company to file an annual report of its Vegetation Management performance similar to the DE Carolinas’ report format provided in Docket Nos. E-7, Subs 1146 and 1182.

M. The Stipulating Parties agree that the Commission should update the filing

requirements for service reliability index reporting in Docket No. E-100, Sub 138A to include new indices utilized by the North Carolina electric utilities, along with the supporting data for all such indices.

***Quality of Service***

N. The Stipulating Parties agree that the overall quality of electric service provided by the Company is good.

***Base Fuel and Fuel-Related Cost Factors***

O. Should no final Commission Order be issued in Docket No. E-2, Sub 1250 (DE Progress' currently ongoing annual fuel rider proceeding) prior to the date the proposed orders are due in this general rate case proceeding, the total of the approved base fuel and fuel related cost factors, by customer class, will be as set forth in the following table (amounts are ¢/kWh excluding regulatory fee):

	Res	SGS	MGS	LGS	Lighting
Total Base Fuel (matches approved fuel rate effective December 1, 2019, in E-2, Sub 1204	2.326	2.499	2.456	2.054	2.217

Should a final Commission Order be issued in the fuel rider proceeding prior to the date the proposed orders are due in this general rate case proceeding, the total of the approved base fuel and fuel related cost factors, by customer class, will be the sum of the respective base fuel and fuel-related cost factors set in Docket No. E-2, Sub 1142 and the annual non-EMF fuel and fuel-related cost riders approved by the Commission in Sub 1250.

*Shareholder Contribution*

P. The Company will make an annual \$2.5 million shareholder contribution to the Energy Neighbor Fund in 2021 and 2022, for a total contribution of \$5 million.

**V. AGREEMENT IN SUPPORT OF SETTLEMENT; NON-WAIVER**

1. The Stipulating Parties shall act in good faith and use their best efforts to recommend to the Commission that this Second Partial Stipulation be accepted and approved. The Stipulating Parties further agree that this Second Partial Stipulation is in the public interest because it reflects a give-and take of contested issues and results in rates (with respect to the stipulated issues) that are just and reasonable. The Stipulating Parties agree that they will support the reasonableness of this Second Partial Stipulation before the Commission, and in any appeal from the Commission's adoption and/or enforcement of this Second Partial Stipulation.

2. Neither this Second Partial Stipulation nor any of the terms shall be admissible in any court or Commission except insofar as such court or Commission is addressing litigation arising out of the implementation of the terms herein or the approval of this Second Partial Stipulation. This Second Partial Stipulation shall not be cited as precedent by any of the Parties regarding any issue in any other proceeding or docket before this Commission or in any court.

3. The provisions of this Second Partial Stipulation do not reflect any position asserted by any of the Stipulating Parties but reflect instead the compromise and settlement among the Stipulating Parties as to all the issues covered hereby. No Party waives any right to assert any position in any future proceeding or docket before the Commission or in any court.



4. This Second Partial Stipulation is a product of negotiation among the Stipulating Parties, and no provision of this Second Partial Stipulation shall be strictly construed in favor of or against any Party.

#### **VI. RECEIPT OF TESTIMONY AND WAIVER OF CROSS-EXAMINATION**

The pre-filed testimony and exhibits of the Stipulating Parties on Resolved Issues may be received in evidence without objection, and each Party waives all right to cross examine any witness with respect to such pre-filed testimony and exhibits. However, the Public Staff reserves the right to cross examine Company witnesses regarding settlements reached with other parties in this proceeding. Further, if questions are asked by any Commissioner, or if questions are asked or positions are taken by any person who is not a Party, then any Party may respond to such questions by presenting testimony or exhibits and cross-examining any witness with respect to such testimony and exhibits.

#### **VII. STIPULATION BINDING ONLY IF ACCEPTED IN ITS ENTIRETY**

This Second Partial Stipulation is the product of negotiation and compromise of a complex set of issues, and no portion of this Second Partial Stipulation is or will be binding on any of the Stipulating Parties unless the entire Second Agreement and Stipulation is accepted by the Commission. If the Commission rejects any part of this Second Partial Stipulation or approves this Second Partial Stipulation subject to any change or condition or if the Commission's approval of this Second Partial Stipulation is rejected or conditioned by a reviewing court, the Stipulating Parties agree to meet and discuss the applicable Commission or court order within five business days of its issuance and to attempt in good faith to determine if they are willing to modify the Second Partial

Stipulation consistent with the order. No Party shall withdraw from the Second Partial Stipulation prior to complying with the foregoing sentence. If any Party withdraws from the Second Partial Stipulation, each Party retains the right to seek additional procedures before the Commission, including cross-examination of witnesses, with respect to issues addressed by the Second Partial Stipulation and shall be bound or prejudiced by the terms and conditions of the Second Partial Stipulation.

#### **VIII. COUNTERPARTS**

This Second Partial Stipulation may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Execution by facsimile signature shall be deemed to be, and shall have the same effect as, execution by original signature.

#### **IX. MERGER CLAUSE**

Apart from the First Partial Stipulation, this Second Partial Stipulation supersedes all prior agreements and understandings between the Stipulating Parties. This Second Partial Stipulation may not be changed or terminated orally, and no attempted change, termination or waiver of any of the provisions hereof shall be binding unless in writing and signed by the parties hereto.

The foregoing is agreed and stipulated this the 31<sup>st</sup> day of July 2020.

Duke Energy Progress, LLC

By: /s/ Stephen G. De May

Stephen G. De May  
North Carolina President

Public Staff – North Carolina Utilities Commission

By: /s/ Christopher J. Ayers

Christopher J. Ayers  
Executive Director

**CERTIFICATE OF SERVICE**

DOCKET NO. E-2, SUB 1219

I hereby certify that a copy of the foregoing **SECOND AGREEMENT AND STIPULATION OF PARTIAL SETTLEMENT** was served electronically or by depositing a copy in United States Mail, first class postage prepaid, properly addressed to the parties of record.

This the 31<sup>st</sup> day of July, 2020.

*/s/ Kiran H. Mehta*

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ATTORNEY FOR DUKE ENERGY PROGRESS, LLC

**STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH**

**DOCKET NO. E-2, SUB 1219**

**BEFORE THE NORTH CAROLINA UTILITIES COMMISSION**

In the Matter of:	)	
Application of Duke Energy Progress, LLC	)	<b>AGREEMENT AND STIPULATION</b>
For Adjustment of Rates and Charges	)	<b>OF SETTLEMENT</b>
Applicable to Electric Service in North	)	
Carolina	)	

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Duke Energy Progress, LLC (“DEP” or the “Company”) and the Carolina Industrial Group for Fair Utility Rates II (“CIGFUR II”), collectively referred to herein as the “Stipulating Parties” through counsel and pursuant to N.C. Gen. Stat. § 62-69, respectfully submit the following Agreement and Stipulation of Settlement (“Stipulation”) for consideration by the North Carolina Utilities Commission (“Commission”) in the above captioned docket (the “Docket”).

**I. Background**

- A. On September 30, 2019, the Company filed its Notice of Intent to file a General Rate Case Application in the Docket.
- B. On October 28, 2019, CIGFUR II filed its Petition to Intervene. The Commission granted CIGFUR II’s intervention in an order dated October 30, 2019.
  - A. Also on October 30, 2019, the Company filed its application for a general rate increase pursuant to N.C. Gen. Stat. §§ 62-133 and 62-134 and Commission Rule R1-17, along with direct testimony and exhibits requesting a non-fuel base rate increase of approximately \$585.9 million. DEP further proposed to partially offset the increase in revenues by refunding \$120.2 million related to certain tax benefits resulting from the Federal Tax Cut and Jobs Act

through a proposed rider and a rate reduction of \$2.1 million related to the proposed Regulatory Asset and Liability Rider, which results in a proposed net revenue increase of \$463.6 million. Further, DEP's filing requested that the Commission authorize a rate of return on equity ("ROE") of 10.30% and approve a 53 percent equity component of the capital structure.

B. On November 14, 2019, the Commission issued its Order Establishing General Rate Case and Suspending Rates.

C. On December 6, 2019, the Commission issued its Order Scheduling Investigation and Hearings, Establishing Intervention and Testimony Due Dates and Discovery Guidelines, and Requiring Public Notice.

D. On April 13, 2020, CIGFUR II filed the Direct Testimony and Exhibits of Nicholas Phillips, Jr. Mr. Phillips' focused on cost allocation methodology and revenue distribution between the customer classes, industrial rate design, the Company's requested ROE and capital structure, the Company's request to defer Grid Improvement Plan ("GIP") costs, and Rider EDIT-2<sup>1</sup>.

E. On May 4, 2020, the Company filed its rebuttal testimony.

F. On May 29, 2020, the Commission issued its Order Proposing Procedures for Partially Consolidated Expert Witness Hearing Scheduling Pre-Hearing Conference, which partially consolidated this Docket with Duke Energy Carolina, LLC's general rate case proceeding, NCUC Docket E-7, Sub 1214.

G. On June 2, 2020, DEP and the Public Staff, North Carolina Utilities Commission filed an Agreement and Stipulation of Partial Settlement as to certain issues in the Docket.

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<sup>1</sup> Mr. Phillips did not provide an opinion on a number of the contested issues underlying this docket and nothing in this Stipulation should be interpreted as CIGFUR II's agreement with the Company's proposals on any issue not expressly described herein.

H. On June 8, 2020, DEP filed a Settlement Agreement with Harris Teeter, LLC as to certain issues in the Docket.

I. On June 9, 2020, DEP filed a Settlement Agreement with the Commercial Group as to certain issues in the Docket.

J. The parties to this proceeding have conducted substantial discovery on the issues raised in the Company's Application as well as on the direct, supplemental, and rebuttal testimony of the Company and the testimony of the intervenors.

K. The Company and CIGFUR II now desire to resolve and settle issues that will narrow the number of issues in controversy in this docket.

## **II. Rate of Return & Capital Structure**

The Stipulating Parties agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn an ROE of 9.75%. The Stipulating Parties further agree that this ROE should be applied to the common equity component of the stipulated ratemaking capital structure consisting of 52% equity and 48% long-term debt.

## **III. Grid Improvement Plan**

A. For the purposes of settlement only and without taking a position on the appropriateness of the individual items comprising the proposed three-year GIP, CIGFUR II supports the Company's request in the Docket for an accounting order for approval to defer costs associated with the incremental grid investments not included in this case and incurred over a three-year period for cost recovery consideration in future general rate cases. Because the three-year GIP plan contains estimates, CIGFUR II's support for the GIP deferral will be subject to a reservation of its rights to review and object to the reasonableness of specific project costs in



future rate cases. To the extent that DEP enters into an agreement with other intervening parties agreeing to a cost cap or to otherwise limit the maximum allowed amount of the three-year GIP deferral, CIGFUR II supports such cost containment measures.

B. With regard to allocating the deferred GIP costs amongst the customer classes, in its next general rate case, DEP will propose to allocate these costs consistent with its distribution cost allocation methodologies as proposed in this Docket. This includes use of the minimum system methodology and use of voltage differentiated allocation factors for distribution plant. Finally, assuming NCUC approval, DEP agrees to use this methodology to allocate any GIP costs occurring during the three-year period for which it may seek cost recovery in future rate cases.

C. For GIP costs incurred beyond the three-year period nothing herein shall be precedent for appropriateness of future deferrals or the allocation of deferred costs and these issues may be contested in future general rate case proceedings.

#### **IV. Unprotected Excess Deferred Income Taxes**

The Stipulating Parties agree that unprotected Excess Deferred Income Taxes and deferred revenue giveback to be provided through the EDIT rider should be refunded to customers on a uniform cent/kWh basis.

#### **V. Cost Allocation & Rate Design**

A. Prior to the Company's next general rate case, the Stipulating Parties agree to meet to discuss potential cost of service methodologies that the Company may recommend for the purpose of allocating production and transmission costs. In addition, in its next general rate case, the Company shall also file the results of a class cost of service study with production and transmission costs allocated on the basis of the Summer/Winter Coincident Peak method and

consider such results for the sole purpose of apportionment of the change in revenue to the customer classes.

B. In its next general rate case, the Company will adjust its peak demand to remove curtable/non-firm load, even if it does not call the load. If the Commission approves this adjustment in the Company's next general rate case, then DEP will propose use of this adjustment in its next subsequent rate case.

C. In the Company's next two annual fuel cost recovery proceedings (to be filed in 2021 and 2022), it will propose the uniform percentage average bill adjustment methodology that was most recently approved by the Commission in the Company's 2019 fuel cost recovery proceeding.

D. In its next three general rate cases, DEP agrees to propose to allocate distribution expenses using the minimum system approach; however if the Commission orders a different approach be used in the current rate case or either of the next two rate cases, DEP may elect to propose the minimum system approach in the next subsequent rate case after the NCUC denial, but DEP is not obligated to do so.

E. Should the Company independently undertake or should the Commission order a comprehensive rate design process prior to the Company's next general rate case, the Company agrees to explore the following: (1) a rate schedule targeted at high load users similar to Duke Energy Indiana's HLF rate, (2) allowing RTP customers the opportunity to adjust Customer Baseline Loads ("CBL") to enhance RTP usage, including additional special periods of adjustment, (3) an emergency demand response program similar to Southern California Edison's Time-of-Use Base Interruptible Program (TOU-BIP) tariff, and (4) a rate schedule similar to the Northern Indiana PSC Interruptible Industrial Service Rider. If there is mutual agreement

between CIGFUR II and the Company on the terms of any of the above-referenced rates, and CIGFUR II indicates that at least one of its member customers is willing to take service under such rates, the Company agrees to file said rates with the Commission for approval in its next rate case filing.

1. In the event that the NCUC does not order or DEP does not independently undertake a comprehensive rate design process prior to its next general rate case, then prior to its next general rate case, the Company agrees to consult with CIGFUR II on: (1) a rate schedule targeted at high load users similar to Duke Energy Indiana's HLF rate, (2) allowing RTP customers the opportunity to adjust Customer Baseline Loads ("CBL") to enhance RTP usage, including additional special periods of adjustment, (3) an emergency demand response program similar to Southern California Edison's Time-of-Use Base Interruptible Program (TOU-BIP) tariff, and (4) a rate schedule similar to the Northern Indiana PSC Interruptible Industrial Service Rider. If there is mutual agreement between CIGFUR II and the Company on the terms of discussed rates, and CIGFUR II indicates that at least one of its member customers is willing to take service under such rates, the Company agrees to file said rates with the Commission for approval in its next rate case filing.

2. In the event that rate(s) proposed by the Company pursuant to either section V.E. or section V.E.1., above, are withdrawn by the Company or not approved by the Commission, the Company shall be obligated to work with CIGFUR II to identify an agreeable alternative, and if there is mutual agreement between CIGFUR II and the Company on the terms of alternative rate(s), and CIGFUR II indicates that at least one of its member customers is willing to take service under such rate(s), the Company agrees to file said alternative rates with the Commission for approval in its subsequent rate case filing.

F. CIGFUR and DEP agree that the LGS, LGS-TOU, and LGS-RTP on-peak and off-peak energy charges shall be increased by a percentage that is less than half of the approved overall increase percentage exclusive of any EDIT decrements for the LGS, LGS-TOU and LGS-RTP and rate schedules, respectively. The demand charges for the LGS, LGS-TOU and LGS-RTP rate schedules shall be adjusted by the amount necessary to recover the final LGS, LGS-TOU and LGS-RTP revenue targets, respectively.

#### **VI. Agreement in Support of Settlement; Non-Waiver**

A. The Stipulating Parties shall act in good faith and use their best efforts to recommend to the Commission that this Stipulation be accepted and approved. The Stipulating Parties further agree that this Stipulation is in the public interest because it reasonably balances customer interests in mitigating rate impacts with investor interests in providing for reasonable recovery of investments, thereby providing the necessary level of revenue requirement to allow the Company to maintain its financial strength and credit quality and continue to provide high quality electric utility service to its customers. The Stipulating Parties intend to support the reasonableness of this Stipulation in any hearing before the Commission and any proposed order or brief in this docket.

#### **VII. Receipt of Testimony and Waiver of Cross-Examination**

The Stipulating Parties agree that all pre-filed testimony and exhibits filed by the Stipulating Parties may be received into evidence without objection. Each Stipulating Party waives all right to cross-examine each other's witnesses with respect to such pre-filed testimony and exhibits. If, however, questions are asked by any Commissioner, or if questions are asked or positions are taken by any person who is not a Stipulating Party, then any Stipulating Party may respond to such questions by presenting testimony or exhibits and cross-examining any witness

with respect to such testimony and exhibits, provided such testimony, exhibits, and cross-examination are not inconsistent with this Stipulation.

#### **VIII. Stipulation Binding Only If Accepted in its Entirety**

This Stipulation is the product of negotiation and compromise of a complex set of issues, and no portion of this Stipulation is or will be binding on any of the Stipulating Parties unless the entire Agreement and Stipulation is accepted by the Commission. If the Commission rejects any part of this Stipulation or approves this Stipulation subject to any change or condition or if the Commission's approval of this Stipulation is rejected or conditioned by a reviewing court, the Parties agree to meet and discuss the applicable Commission or court order within five business days of its issuance and to attempt in good faith to determine if they are willing to modify the Stipulation consistent with the order. No Party shall withdraw from the Stipulation prior to complying with the foregoing sentence. If any Party withdraws from the Stipulation, each Party retains the right to seek additional procedures before the Commission, including cross-examination of witnesses, with respect to issues addressed by the Stipulation and shall not be bound or prejudiced by the terms and conditions of the Stipulation.

#### **IX. Counterparts**

This Stipulation may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Execution by facsimile signature shall be deemed to be, and shall have the same effect as, execution by original signature.

The foregoing is agreed upon and stipulated to this the 26th day of June, 2020.

**DUKE ENERGY PROGRESS, LLC**

By:   
Lawrence B. Somers, Deputy General Counsel

**CAROLINA INDUSTRIAL GROUP FOR FAIR UTILITY RATES II**

By:   
Warren K. Hicks, CIGFUR II Counsel

## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Agreement and Stipulation of Settlement with CIGFUR, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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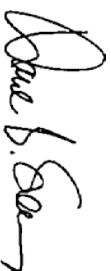
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This the 26<sup>th</sup> day of June, 2020.



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**In the Matter of )  
Application of Duke Energy Progress, LLC )  
For Adjustment of Rates and Charges Applicable )  
To Electric Service in North Carolina )  
Amendment to )  
Agreement and Stipulation )  
of Settlement )**

WHEREAS, on October 30, 2019, DE Progress filed an application for a general rate increase with the North Carolina Utilities Commission in Docket No. E-2, Sub 1219 (the “Docket”) that included a proposal for a Grid Improvement Plan (“GIP”) and a deferral of associated costs for future cost recovery;

WHEREAS, DE Progress and CIGFUR II filed an Agreement and Stipulation of Settlement on June 26, 2020 (“June 26, 2020 Agreement”);

WHEREAS DE Progress and the Public Staff – North Carolina Utilities Commission filed a Second Agreement and Stipulation of Partial Settlement on July 31, 2020, which among other items stipulated to a Return on Equity of 9.6%; and

WHEREAS, DE Progress and CIGFUR II wish to make changes in Paragraph II of the June 26, 2020 Agreement.

NOW, THEREFORE, for and in consideration of the foregoing, the mutual commitments and promises set forth herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Settling Parties do hereby mutually agree and consent to the amendment of the June 26, 2020 Agreement, which Agreement is hereby modified effective as of the date set forth above in the following respects only:

II. The Stipulating Parties agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn a return on equity ("ROE") of 9.75%. The Stipulating Parties further agree that this ROE should be applied to the common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt. Notwithstanding the terms of this paragraph, to the extent that the North Carolina Utilities Commission enters a final order in this docket approving an ROE of 9.6% to be applied to a common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt, the Stipulating Parties agree that the provisions of this Paragraph II shall have been fulfilled.

Except as expressly modified herein, the June 26, 2020 Agreement between the Settling Parties shall remain in full force and effect and is hereby ratified and affirmed.

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

**DUKE ENERGY PROGRESS, LLC**

By:



Lawrence B. Somers, Deputy General Counsel

**CAROLINA INDUSTRIAL GROUP FOR FAIR UTILITY RATES II**

By:



Christina D. Cress, Counsel for CIGFUR II

## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Amendment to Agreement and Stipulation of Settlement, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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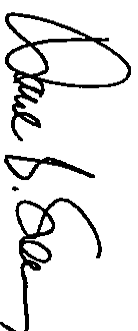
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This the 6<sup>th</sup> day of August, 2020.



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BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1219

<b>In the Matter of</b>	)	
<b>Application of Duke Energy Progress, LLC</b>	)	<b>Amendment to</b>
<b>For Adjustment of Rates and Charges Applicable</b>	)	<b>Agreement and Stipulation</b>
<b>To Electric Service in North Carolina</b>	)	<b>of Settlement</b>

This Amendment to Agreement and Stipulation of Settlement is entered into this 10<sup>th</sup> day of August 2020 by and between Duke Energy Progress, LLC (“DE Progress” or the “Company”) and the North Carolina Sustainable Energy Association (“NCSEA”), the North Carolina Justice Center (“NCJC”), the North Carolina Housing Coalition, the Natural Resources Defense Council, and the Southern Alliance for Clean Energy (collectively, the “NCSEA/NCJC et al.”) (and together with DEP, the “Settling Parties”).

WHEREAS, on October 30, 2019, DE Progress filed an application for a general rate increase with the North Carolina Utilities Commission in Docket No. E-2, Sub 1219 (the “Docket”) that included a proposal for a Grid Improvement Plan (“GIP”) and a deferral of associated costs for future cost recovery;

WHEREAS, NCSEA/NCJC et al. have intervened in the Docket and, in pre-filed testimony, NCSEA/NCJC et al. addressed issues on the Company’s grid modernization efforts, including the Company’s specific Grid Improvement Plan proposals, affordability of electric service for DEP’s customers, as well as rate designs, policies and programs to improve affordability, and new rate designs specifically targeting electric vehicle charging both in the residential and commercial context; and

WHEREAS, DE Progress and NCSEA/NCJC et al. filed an Agreement and Stipulation of Settlement on July 23, 2020 (“July 23, 2020 Agreement”);

WHEREAS DE Progress and the Public Staff – North Carolina Utilities Commission filed a Second Agreement and Stipulation of Partial Settlement on July 31, 2020, which among other items stipulated to a Return on Equity of 9.6%; and

WHEREAS, DE Progress and NCSEA/NCJC et al. wish to make changes in Paragraph II of the July 23, 2020 Agreement.

NOW, THEREFORE, for and in consideration of the foregoing, the mutual commitments and promises set forth herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Settling Parties do hereby mutually agree and consent to the amendment of the July 23, 2020 Agreement, which Agreement is hereby modified effective as of the date set forth above in the following respects only:

II. The Stipulating Parties agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn a return on equity (“ROE”) of 9.75%. The Stipulating Parties further agree that this ROE should be applied to the common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt. Notwithstanding the terms of this paragraph, to the extent that the North Carolina Utilities Commission enters a final order in this docket approving an ROE of 9.6% to be applied to a common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt, the Stipulating Parties agree that the provisions of this Paragraph II shall have been fulfilled.

Except as expressly modified herein, the July 23, 2020 Agreement between the Settling Parties shall remain in full force and effect and is hereby ratified and affirmed.

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

**DUKE ENERGY PROGRESS, LLC**

By: /s/ Stephen G. De May

**THE NORTH CAROLINA JUSTICE CENTER  
THE NORTH CAROLINA HOUSING COALITION  
THE NATURAL RESOURCES DEFENSE COUNCIL  
THE SOUTHERN ALLIANCE FOR CLEAN ENERGY**

By: \_\_\_\_\_

**THE NORTH CAROLINA SUSTAINABLE ENERGY ASSOCIATION**

By: \_\_\_\_\_

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

**DUKE ENERGY PROGRESS, LLC**

By: \_\_\_\_\_

**THE NORTH CAROLINA JUSTICE CENTER  
THE NORTH CAROLINA HOUSING COALITION  
THE NATURAL RESOURCES DEFENSE COUNCIL  
THE SOUTHERN ALLIANCE FOR CLEAN ENERGY**

By:  \_\_\_\_\_

**THE NORTH CAROLINA SUSTAINABLE ENERGY ASSOCIATION**

By: \_\_\_\_\_



## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Amendment to Agreement and Stipulation of Settlement, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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This the 10<sup>th</sup> day of August, 2020.



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BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1219

<b>In the Matter of</b>	)	
<b>Application of Duke Energy Progress, LLC</b>	)	<b>Amendment to</b>
<b>For Adjustment of Rates and Charges Applicable</b>	)	<b>Agreement and Stipulation</b>
<b>To Electric Service in North Carolina</b>	)	<b>of Settlement</b>

This Amendment to Agreement and Stipulation of Settlement is entered into this 5<sup>th</sup> day of August 2020 by and between Duke Energy Progress, LLC (“DE Progress” or the “Company”) and Vote Solar (collectively, the “Settling Parties”).

WHEREAS, on October 30, 2019, DE Progress filed an application for a general rate increase with the North Carolina Utilities Commission in Docket No. E-2, Sub 1219 (the “Docket”) that included a proposal for a Grid Improvement Plan (“GIP”) and a deferral of associated costs for future cost recovery;

WHEREAS, Vote Solar has intervened in the Docket and, in its pre-filed testimony, Vote Solar addressed issues on the Company’s grid modernization efforts, including the Company’s Grid Improvement Plan, the importance of studying and managing climate change-related risks, and the role that demand energy resources play in grid modernization and resilience; and

WHEREAS, DE Progress and Vote Solar filed an Agreement and Stipulation of Settlement on July 9, 2020 (“July 9, 2020 Agreement”);

WHEREAS DE Progress and the Public Staff – North Carolina Utilities Commission filed a Second Agreement and Stipulation of Partial Settlement on July 31, 2020, which among other items stipulated to a Return on Equity of 9.6%; and

WHEREAS, DE Progress and Vote Solar wish to make changes in Paragraph II of the July 9, 2020 Agreement.

NOW, THEREFORE, for and in consideration of the foregoing, the mutual commitments and promises set forth herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Settling Parties do hereby mutually agree and consent to the amendment of the July 9, 2020 Agreement, which Agreement is hereby modified effective as of the date set forth above in the following respects only:

II. The Stipulating Parties agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn a return on equity ("ROE") of 9.75%. The Stipulating Parties further agree that this ROE should be applied to the common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt. Notwithstanding the terms of this paragraph, to the extent that the North Carolina Utilities Commission enters a final order in this docket approving an ROE of 9.6% to be applied to a common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt, the Stipulating Parties agree that the provisions of this Paragraph II shall have been fulfilled.

Except as expressly modified herein, the July 9, 2020 Agreement between the Settling Parties shall remain in full force and effect and is hereby ratified and affirmed.

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

**DUKE ENERGY PROGRESS, LLC**

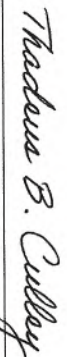
By:



Lawrence B. Somers, Deputy General Counsel

**VOTE SOLAR**

By:



Thadeus B. Culley, Counsel for Vote Solar



## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Amendment to Agreement and Stipulation of Settlement, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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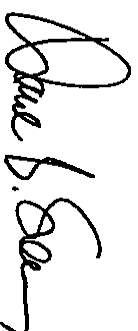
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This the 5<sup>th</sup> day of August, 2020.



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**In the Matter of )  
Application of Duke Energy Progress, LLC )  
For Adjustment of Rates and Charges Applicable )  
To Electric Service in North Carolina )  
Settlement Agreement**

WHEREAS, on October 30, 2019, DE Progress filed an application for a general rate increase with the North Carolina Utilities Commission in Docket No. E-2, Sub 1219 (the “Docket”) that included a proposal for a Grid Improvement Plan (“GIP”) and a deferral of associated costs for future cost recovery;

WHEREAS, DE Progress and Harris Teeter filed a Settlement Agreement on June 8, 2020 (“June 8, 2020 Agreement”);

WHEREAS, DE Progress and Harris Teeter wish to make changes in Paragraph 5 of the June 8, 2020 Agreement.

NOW, THEREFORE, for and in consideration of the foregoing, the mutual commitments and promises set forth herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Settling Parties do hereby mutually agree and consent to the amendment of the June 8, 2020 Agreement, which Agreement is hereby modified effective as of the date set forth above in the following respects only:

5. Harris Teeter and DE Progress agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn a return on equity ("ROE") of 9.75%. The Settling Parties further agree that this ROE will be applied to the common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt. Notwithstanding the terms of this paragraph, to the extent that the North Carolina Utilities Commission enters a final order in this docket approving an ROE of 9.6% to be applied to a common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt, the Settling Parties agree that the provisions of this Paragraph 5 shall have been fulfilled.

Except as expressly modified herein, the June 8, 2020 Agreement between the Settling Parties shall remain in full force and effect and is hereby ratified and affirmed.

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

**DUKE ENERGY PROGRESS, LLC**

By:   
Lawrence B. Somers, Deputy General Counsel

**HARRIS TEETER, LLC**

By:   
Kurt J. Boehm, Esq.  
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Attorney for Harris Teeter, LLC



## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Amendment to Settlement Agreement, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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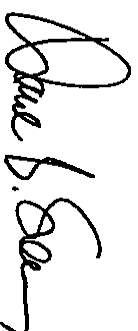
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This the 6<sup>th</sup> day of August, 2020.



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**In the Matter of )  
Application of Duke Energy Progress, LLC )  
For Adjustment of Rates and Charges Applicable )  
To Electric Service in North Carolina )  
Amendment to Settlement Agreement**

WHEREAS, on October 30, 2019, DE Progress filed an application for a general rate increase with the North Carolina Utilities Commission in Docket No. E-2, Sub 1219 (the “Docket”) that included a proposal for a Grid Improvement Plan (“GIP”) and a deferral of associated costs for future cost recovery;

WHEREAS, DE Progress and the Commercial Group filed a Settlement Agreement on June 9, 2020 (“June 9, 2020 Agreement”);

WHEREAS DE Progress and the Public Staff – North Carolina Utilities Commission filed a Second Agreement and Stipulation of Partial Settlement on July 31, 2020, which among other items stipulated to a Return on Equity of 9.6%; and

WHEREAS, DE Progress and The Commercial Group wish to make changes in Paragraph 5 of the June 9, 2020 Agreement.

NOW, THEREFORE, for and in consideration of the foregoing, the mutual commitments and promises set forth herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Settling Parties do hereby mutually agree and consent to the amendment of the June 9, 2020 Agreement, which Agreement is hereby modified effective as of the date set forth above in the following respects only:

5. The Commercial Group and DE Progress agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn a return on equity (“ROE”) of 9.75%. The Settling Parties further agree that this ROE will be applied to the common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt. Notwithstanding the terms of this paragraph, to the extent that the North Carolina Utilities Commission enters a final order in this docket approving an ROE of 9.6% to be applied to a common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt, the Settling Parties agree that the provisions of this Paragraph 5 shall have been fulfilled.

Except as expressly modified herein, the June 9, 2020 Agreement between the Settling Parties shall remain in full force and effect and is hereby ratified and affirmed.

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

**DUKE ENERGY PROGRESS, LLC**

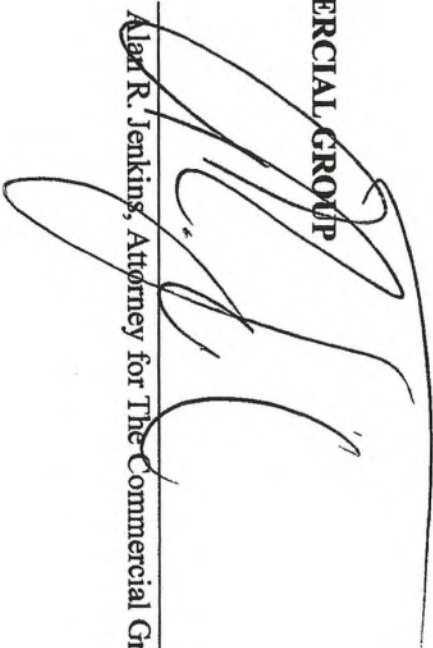
By:



Lawrence B. Somers, Deputy General Counsel

**THE COMMERCIAL GROUP**

By:



Alan R. Jenkins, Attorney for The Commercial Group



## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Amendment to Settlement Agreement, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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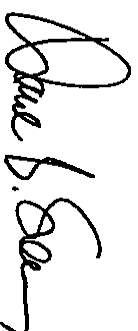
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This the 5<sup>th</sup> day of August, 2020.



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**In the Matter of )  
Application of Duke Energy Progress, LLC )  
For Adjustment of Rates and Charges Applicable ) Settlement Agreement  
To Electric Service in North Carolina )**

WHEREAS, on October 30, 2019, DE Progress filed an application for a general rate increase with the North Carolina Utilities Commission in Docket No. E-2, Sub 1219 (the “Docket”) that included a proposal for a Grid Improvement Plan (“GIP”) and a deferral of associated costs for future cost recovery;

WHEREAS, The Commercial Group and DE Progress now desire to resolve and settle certain issues that would narrow the number of issues in controversy in the Docket.

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receipt and sufficiency of which is hereby acknowledged, the Settling Parties hereby agree to resolve issues among them regarding the Docket on the following terms:

1. The Commercial Group does not oppose nor specifically support the approval of a Grid Improvement Plan deferral as requested by DE Progress in this Docket, except as set forth in paragraph 2 below.
2. The Commercial Group and DE Progress agree that any Grid Improvement Plan costs allocated to SGS-TOU customers shall be recovered via SGS-TOU demand charges.
3. The Commercial Group and DEP agree that the percentage base rate increase for Rate Schedule SGS-TOU and Rate Schedule MGS shall be the same. The Commercial Group and DEP acknowledge, however, that the Public Staff – North Carolina Utilities Commission (“Public Staff”) in its testimony in the Docket has raised issues with respect to Rate Schedule CSE and Rate Schedule CSG, and therefore agree that notwithstanding the terms in this paragraph, DEP shall have the right to adjust the rates for Rate Schedule CSE and Rate Schedule CSG more than the percentage base rate increase for Rate Schedule MGS as may be necessary to address the Public Staff’s concerns.
4. The Commercial Group and DEP agree that the SGS-TOU on-peak and off-peak energy charges shall be increased by a percentage that is no greater than half of the approved overall increase percentage for the SGS-TOU rate schedule. The demand charges for the SGS-TOU rate schedule shall be adjusted by the amount necessary to recover the final SGS-TOU revenue target.
5. The Commercial Group and DE Progress agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn a return on equity (“ROE”) of 9.75%. The Settling Parties further agree that this ROE will be applied to the common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt.
6. The Settling Parties agree that they have not reached agreement on any other revenue requirement or non-revenue requirement issue other than those issues specifically addressed in this Settlement Agreement.
7. The Settling Parties will support this Settlement Agreement and use their best efforts to implement and achieve its provisions.
8. This Settlement Agreement shall be binding upon the parties upon the execution hereof, but its substantive terms shall be effective only upon the approval of the Settlement Agreement, in its entirety, by the Commission in the Docket. In the event this condition fails to occur, the Settling Parties

agree that the Stipulation shall not be binding upon the Settling Parties. If the Commission rejects any part of this Settlement Agreement or approves it subject to change or condition, the Settling Parties agree to meet and discuss the applicable Commission order within five business days of its issuance to attempt in good faith to determine if they are willing to modify this Settlement Agreement consistent with the order.

9. The provisions of this Settlement do not reflect any position asserted by any of the Settling Parties but instead reflect the compromise and settlement between the Settling Parties as to all of the issued covered hereby. This Settlement Agreement is a product of negotiation between the Settling Parties and no provision shall be strictly construed in favor or against any party.

10. The Settling Parties agree to waive their rights to cross-examine each other's witnesses with respect to their pre-filed testimony and exhibits. If questions should be asked on cross-examination by an intervenor who is not a party to this agreement or a member of the Commission, the Company and the Commercial Group reserve the right to present testimony and exhibits to respond to such questions and cross-examine any witnesses with respect to such testimony and exhibits, provided that such testimony, exhibits, and cross-examination are not inconsistent with this Settlement Agreement.

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

**DUKE ENERGY PROGRESS, LLC**

By: 

Lawrence B. Somers, Deputy General Counsel

**THE COMMERCIAL GROUP**

By: 

Alar R. Jenkins, Counsel for The Commercial Group



## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Settlement Agreement with the Commercial Group, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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1. Harris Teeter supports the approval of a Grid Improvement Plan deferral as requested by DE Progress in this Docket. To the extent that DE Progress enters into an agreement with other intervening parties agreeing to a cost cap or to otherwise limit the maximum allowed amount of DE Progress' Grid Improvement Plan deferral, Harris Teeter supports such cost containment measures. Harris Teeter is not precluded from taking any position in future cost recovery proceedings regarding the reasonableness of specific Grid Improvement Plan project costs.
2. Harris Teeter and DE Progress agree that any Grid Improvement Plan costs allocated to SGS-TOU customers shall be recovered via SGS-TOU demand charges.
3. Harris Teeter and DEP agree that the percentage base rate increase for Rate Schedule SGS-TOU and Rate Schedule MGS shall be the same. Harris Teeter and DEP acknowledge, however, that the Public Staff – North Carolina Utilities Commission ("Public Staff") in its testimony in the Docket has raised issues with respect to Rate Schedule CSE and Rate Schedule CSG, and therefore agree that notwithstanding the terms in this paragraph, DEP shall have the right to adjust the rates for Rate Schedule CSE and Rate Schedule CSG more than the percentage base rate increase for Rate Schedule MGS as may be necessary to address the Public Staff's concerns.
4. Harris Teeter and DEP agree that the SGS-TOU on-peak and off-peak energy charges shall be increased by a percentage that is no greater than half of the approved overall increase percentage for the SGS-TOU rate schedule. The demand charges for the SGS-TOU rate schedule shall be adjusted by the amount necessary to recover the final SGS-TOU revenue target.
5. Harris Teeter and DE Progress agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn a return on equity ("ROE") of 9.75%. The Settling Parties further agree that this ROE will be applied to the common equity component of the ratemaking capital structure consisting of 52% equity and 48% long-term debt.
6. The Settling Parties agree that they have not reached agreement on any other revenue requirement or non-revenue requirement issue other than those issues specifically addressed in this Settlement Agreement.
7. The Settling Parties will support this Settlement Agreement and use their best efforts to implement and achieve its provisions.
8. This Settlement Agreement shall be binding upon the parties upon the execution hereof, but its substantive terms shall be effective only upon the approval of the Settlement Agreement, in its entirety, by the Commission in the Docket. In the event this condition fails to occur, the Settling Parties

agree that the Stipulation shall not be binding upon the Settling Parties. If the Commission rejects any part of this Settlement Agreement or approves it subject to change or condition, the Settling Parties agree to meet and discuss the applicable Commission order within five business days of its issuance to attempt in good faith to determine if they are willing to modify this Settlement Agreement consistent with the order.

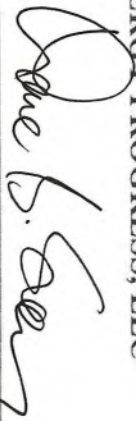
9. The provisions of this Settlement do not reflect any position asserted by any of the Settling Parties but instead reflect the compromise and settlement between the Settling Parties as to all of the issued covered hereby. This Settlement Agreement is a product of negotiation between the Settling Parties and no provision shall be strictly construed in favor or against any party.

10. The Settling Parties agree to waive their rights to cross-examine each other's witnesses with respect to their pre-filed testimony and exhibits. If questions should be asked on cross-examination by an intervenor who is not a party to this agreement or a member of the Commission, the Company and Harris Teeter reserve the right to present testimony and exhibits to respond to such questions and cross-examine any witnesses with respect to such testimony and exhibits, provided that such testimony, exhibits, and cross-examination are not inconsistent with this Settlement Agreement.

IN WITNESS WHEREOF, the Parties have signed and executed as of the date set forth above.

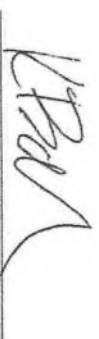
**DUKE ENERGY PROGRESS, LLC**

By: \_\_\_\_\_

  
Lawrence B. Somers, Deputy General Counsel

**HARRIS TEETER, LLC**

By: \_\_\_\_\_

  
Kurt J. Boehm, Esq.  
BOEHM, KURTZ & LOWRY  
Attorney for Harris Teeter, LLC



## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Settlement Agreement with Harris Teeter, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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This the 8<sup>th</sup> day of June, 2020.



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**BEFORE THE NORTH CAROLINA UTILITIES COMMISSION**  
**DOCKET NO. E-2, SUB 1219**

In the Matter of:

)	)
)	)
Application of Duke Energy Progress, LLC For	)
Adjustment of Rates and Charges Applicable to	)
Electric Service in North Carolina	)
)	)

**AGREEMENT AND  
STIPULATION OF  
SETTLEMENT**

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Duke Energy Progress, LLC (“DEP” or the “Company”) and Vote Solar, collectively referred to herein as the “Stipulating Parties” through counsel and pursuant to N.C. Gen. Stat. § 62-69, respectfully submit the following Agreement and Stipulation of Settlement (“Stipulation”) for consideration by the North Carolina Utilities Commission (“Commission”) in the above captioned docket (the “Docket”).

**I. BACKGROUND**

1. On September 30, 2019, the Company filed its Notice of Intent to file a General Rate Case Application in the Docket.
2. On October 22, 2019, Vote Solar filed its Petition to Intervene. The Commission granted Vote Solar’s intervention in an order dated October 30, 2019.
3. On October 30, 2019, DEP filed its application requesting a general rate increase, pursuant to N.C.Gen. Stat. §§ 62-133 and -134 and Commission Rule R1-17, along with direct testimony and exhibits.
4. On November 14, 2019, the Commission issued an order establishing a general rate case and suspending rates. Subsequently, on December 6, 2019, the Commission issued an order scheduling investigation and hearings, establishing intervention and testimony due dates and discovery guidelines, and requiring public notice of the Company’s Application.

5. On April 13, 2020, Vote Solar filed the Direct Testimony and Exhibits of James M. Van Nostrand and Tyler Fitch. Messrs. Van Nostrand and Fitch's testimony focused on the Company's grid modernization efforts, including the Company's Grid Improvement Plan.; the importance of studying and managing climate change-related risks, and the role that demand energy resources plays in grid modernization and climate resilience.

6. On May 4, 2020, the Company filed its rebuttal testimony.

7. On June 2, 2020, DEP and the Public Staff, North Carolina Utilities Commission filed an Agreement and Stipulation of Partial Settlement as to certain issues in this Docket.

8. On June 8, 2020, DEP filed a Settlement Agreement with Harris Teeter, LLC as to certain issues in the Docket.

9. On June 9, 2020, DEP filed a Settlement Agreement with the Commercial Group as to certain issues in the Docket.

10. On June 17, 2020, the Commission issued its Order Adopting Procedures for Expert Witness Hearings, which partially consolidated the hearing in this Docket with Duke Energy Progress, LLC's general rate case proceeding, Docket No. E-7, Sub 1214.

11. On June 26, 2020, DEP filed a Settlement Agreement with CIGFUR as to certain issues in the Docket.

12. The parties to this proceeding have conducted substantial discovery on the issues raised in the Application, as well as on the direct, supplemental and rebuttal testimony of the Company and the testimony of the intervenors.

13. The Company and Vote Solar now desire to resolve and settle issues that will narrow the number of issues in controversy in this docket.

## **II. RATE OF RETURN AND CAPITAL STRUCTURE**

The Stipulating Parties agree that the revenues to be approved in this proceeding should be adjusted to provide the Company, through sound management, the opportunity to earn an ROE of 9.75%. The Stipulating Parties further agree that this ROE should be applied to the common equity component of the stipulated ratemaking capital structure consisting of 52% equity and 48% long-term debt.

## **III. GRID IMPROVEMENT PLAN**

1. Vote Solar supports the Company's request in the Docket for an accounting order for approval to defer GIP costs for investments in Integrated System Operations Plan ("ISOP"), Distribution System Demand Response ("DSDR"), Self-Optimizing Grid ("SOG"), Distribution Automation, Transmission System Intelligence, the Distributed Energy Resources ("DER") Dispatch Tool, and the 44 kV Line Rebuild. Vote Solar believes that these investments will directly enable and support the greater utilization of distributed energy resources ("DERs") on the Company's system. For all other GIP investments proposed by DEP in the Docket, Vote Solar does not oppose the requested deferral accounting treatment. To the extent that DEP enters into an agreement with other intervening parties agreeing to a cost cap or to limit the amount of any GIP investment category specified for deferral treatment, Vote Solar supports such cost containment measures.

2. DEP commits to develop potential pilot customer programs prior to the submission of the 2022 Integrated Resource Plan to optimize the capability of the



GIP investments to support greater utilization of DERs, including but not limited to customer-sited solar and/or storage facilities (e.g., net metering successor), microgrid systems that benefit and would be paid for by specific benefitted customers, and programmable and load controllable devices or appliances for use in residential and non-residential demand response programs. If DEP and Vote Solar mutually agree that these programs are cost-effective and meet appropriate Commission requirements, DEP agrees to file such pilot programs for approval by the Commission, and Vote Solar agrees to support such approval by the Commission. Vote Solar's support for the GIP deferral will be subject to a reservation of its rights to review and object to the reasonableness of specific project costs in future rate cases.

#### **IV. CLIMATE-RESILIENCE PLANNING**

1. Within six months from the effective date of the Commission's order in the DEP rate case, DEP agrees to convene a Climate Risk & Resilience Working Group ("Working Group") to hold meetings in the Carolinas, either separately or as part of ongoing forums for discussion (e.g., ISOP or IRP meeting) of impacts to the GIP to consult and collaborate with interested parties to:

- i. Discuss and inform the Company's development or evaluation of models and analyses to study the impacts of climate change on the Company's GIP and existing grid, including operations, planning and physical assets on its transmission and distribution systems. The models and analyses will, at a minimum, assess the vulnerability of the Companies' distribution and transmission assets and operations to current and projected physical impacts of climate change by utilizing best-practices climate modeling and scenario analysis, utilizing the scenarios identified in the North Carolina Climate Science Report.
- ii. Discuss and inform the development of ways to reflect the integration of climate change impacts into distribution and transmission system planning.

- iii. Assist in developing an implementation plan based on aforementioned analyses and study that will be filed as part of the 2024 Integrated Resource Plan proceeding, or in a proceeding otherwise designated by the Commission.
2. Within sixty days of the effective date of the Commission's order, the Company shall make an informational filing in the Docket to describe its scoping plan and proposed schedule for the Working Group. DEP shall give notice of such filing to all interested parties in all North Carolina and South Carolina dockets and stakeholder processes to which it is a party related to climate or decarbonization policy, the Grid Improvement Plan, Integrated Resource Plan, and Integrated System Operations Plan.
3. DEP agrees to fund a third-party consultant with experience developing models or analyses for quantifying climate-related impacts on the electric grid (e.g., ICF), to assist stakeholders and the Company with the working group. DEP's agreement is contingent on the Commission's approval of recovery of the costs associated with such third-party consultant and Vote Solar's commitment to support the Company's request for cost recovery.
4. DEP agrees to coordinate with the North Carolina Department of Environmental Quality to align the scope and proposed schedule of the Working Group process to avoid duplication or scheduling conflict with any forthcoming phase of the State Climate Risk Assessment and Resilience Plan that encompasses the planning and operation of the electric grid in relation to climate change-related hazards.
5. DEP agrees to fund a third-party consultant with experience developing models or analyses for quantifying climate-related impacts on the electric grid, (e.g., ICF), to assist with the working group. DEP's agreement is contingent on the Commission's

approval of cost recovery and Vote Solar's commitment to support the Company's request for cost recovery.

**V. AGREEMENT IN SUPPORT OF SETTLEMENT; NON-WAIVER.**

1. The Stipulating Parties shall act in good faith and use their best efforts to recommend to the Commission that this Stipulation be accepted and approved. The Stipulating Parties further agree that this Stipulation is in the public interest because it reflects a give-and take of contested issues and results in rates (with respect to the stipulated issues) that are just and reasonable. The Stipulating Parties agree that they will support the reasonableness of this Stipulation before the Commission, and in any appeal from the Commission's adoption and/or enforcement of this Stipulation.

2. Neither this Stipulation nor any of the terms shall be admissible in any court or Commission except insofar as such court or Commission is addressing litigation arising out of the implementation of the terms herein or the approval of this Stipulation. This Stipulation shall not be cited as precedent by any of the Parties regarding any issue in any other proceeding or docket before this Commission or in any court.

3. The provisions of this Stipulation do not reflect any position asserted by any of the Stipulating Parties but reflect instead the compromise and settlement among the Stipulating Parties as to all the issues covered hereby. No Party waives any right to assert any position in any future proceeding or docket before the Commission or in any court.

4. This Stipulation is a product of negotiation among the Stipulating Parties, and no provision of this Stipulation shall be strictly construed in favor of or against any Party.

**VI. RECEIPT OF TESTIMONY AND WAIVER OF CROSS-EXAMINATION**

The Stipulating Parties agree that pre-filed testimony and exhibits filed by the Stipulating Parties on the settled issues may be received into evidence without objection. Vote Solar agrees to waive cross examination on all issues except for rate design issues in the upcoming evidentiary hearing in the Docket and will seek to have witnesses Van Nostrand and Fitch excused from the evidentiary hearings. DEP agrees to waive cross examination of Vote Solar's witnesses. If, however, questions are asked by any Commissioner, or if questions are asked or positions are taken by any person who is not a Party, then any Party may respond to such questions by presenting testimony or exhibits and cross-examining any witness with respect to such testimony and exhibits.

**VII. STIPULATION BINDING ONLY IF ACCEPTED IN ITS ENTIRETY.**

This Stipulation is the product of negotiation and compromise of a complex set of issues, and no portion of this Stipulation is or will be binding on any of the Stipulating Parties unless the entire Agreement and Stipulation is accepted by the Commission. If the Commission rejects any part of this Stipulation or approves this Stipulation subject to any change or condition or if the Commission's approval of this Stipulation is rejected or conditioned by a reviewing court, the Stipulating Parties agree to meet and discuss the applicable Commission or court order within five business days of its issuance and to attempt in good faith to determine if they are willing to modify the Stipulation consistent with the order. No Party shall withdraw from the Stipulation prior to complying with the foregoing sentence. If any Party withdraws from the Stipulation, each Party retains the right to seek additional procedures before the Commission, including cross-examination of witnesses, with respect to issues addressed by the Stipulation and shall be bound or

prejudiced by the terms and conditions of the Stipulation.

### **VIII. COUNTERPARTS.**

This Stipulation may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Execution by facsimile signature shall be deemed to be, and shall have the same effect as, execution by original signature.

### **IX. MERGER CLAUSE**

This Stipulation supersedes all prior agreements and understandings between the Stipulating Parties and may not be changed or terminated orally, and no attempted change, termination or waiver of any of the provisions hereof shall be binding unless in writing and signed by the parties hereto.

The foregoing is agreed and stipulated this the 8th day of July, 2020.

Duke Energy Progress, LLC

By: /s/ Stephen G. De May

Vote Solar

By: /s/ Thaddeus B. Culley

## CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Agreement and Stipulation of Settlement with Vote Solar, in Docket No. E-2, Sub 1219, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to the following parties:

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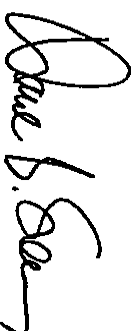
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