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October 11, 2022

VIA ELECTRONIC FILING

Ms. A. Shonta Dunston
Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4300

**Re: Duke Energy Progress, LLC's Late-Filed Exhibit
Docket Nos. E-2, Sub 1294**

Dear Ms. Dunston:

Pursuant to the Commission's *Order Excusing Witnesses, Canceling Expert Witness Hearing, Requiring Late Filed Exhibit and Taking Notice of Prior Testimony* issued September 12, 2022, in the above-referenced docket, enclosed for filing is Duke Energy Progress, LLC's ("DEP") late-filed exhibit providing information on how energy savings resulting from DEP's energy efficiency programs were treated in DEP's most recent general rate case in Docket No. E-2, Sub 1219, for purposes of calculating DEP's revenue requirement.

Please do not hesitate to contact me if you have any questions or need additional information.

Sincerely,

Kendrick C. Fentress

Enclosure

cc: Parties of Record

OFFICIAL COPY

Oct 11 2022

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Late-Filed Exhibit, in Docket No. E-2, Sub 1294, has been served on all parties of record either by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid.

This the 11th day of October, 2022.



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Docket E-2, Sub 1219 – DEP Base Rate Case:

Attached is Pirro Exhibit 8 Column (D) from Docket E-2, Sub 1219, which reflects NC Annual Billed kWh Sales of 38,687,267,513 for the base rate test year of 2018. The actual sales are per book and taken from the Company's billing system. Also attached is the RMC1Y Revenue Report, which reflects sales of (kWh) 38,687,267,513 for the base rate test year used in Docket E-2, Sub 1219. In the attachment, Smith Exhibit 1 and 2 in Docket E-2, Sub 1219, Smith Exhibit 1 Page 3 and 3 continued, Line 6 show where costs related to non-fuel riders, including EE/DSM, are adjusted to remove them from the base rate case. Item 10 in the E-1 filed in Docket E-2, Sub 1219 includes NC0600 – Adjust for cost recovered through non-fuel riders-DEP pdf attached below. Pages NC0601 Page 1 and 2 shows the details that support the adjustment on Smith Exhibit 1 Page 3 and 3 continued, Line 6. It is important to note that sales revenues lost due to DSM/EE activities do not have to be removed from the general rate case amounts, since they never were actually accrued or collected.



Pirro Direct Exhibit
8.pdf



RMC1Y - 2018
Revenue by Rate Sche



Smith Exhibit 1 and
2.pdf



NC0600 - Update
Adjust for costs recov

Docket E-2, Sub 1206 – DEP EE/DSM filing for the year 2018:

Attached is the DEP NC Rider Exhibits. Evans Exhibit 2, page 1 reflects Net Lost kWh's for 2018 527,453,246 kWh's. This is the estimate of the kWh reduction in usage due to the implementation of EE/DSM programs in years 2015-2018. These kWhs are not reflected in the RMC1Y Revenue Report (since they were never consumed or paid for by customers), and therefore not included in the actual sales per book for the base rate case. The customers reduced their usage by participating in EE/DSM. Thus, a net level of sales is assumed for purposes of setting the revenue requirement.



2019 DSM EE DEP
NC Exhibits Suppleme

For illustration purposes only:

If an assumption was made that DEP did not offer EE programs and therefore customers did not have a reduction due to taking EE measures, Pirro Direct Exhibit 8 and the RMC1Y Revenue Report would have reflected sales of 39,214,720,759 kWh's.

38,687,267,513 actual sales

527,453,246 kWh's saved by customer due to EE/DSM measures

39,214,720,759

Duke Energy Progress, LLC

NCUC Docket No. E-2, Sub 1219

Derivation of North Carolina Excess Deferred Income Tax Rider EDIT-2

(A)	(B)	(C)	(D)	(E)
Rate Class	Applicable Schedules	Proposed EDIT-2 Revenue Requirement ¹	Test Year Sales (kWh) ²	Proposed EDIT-2 Decremental Rate (C) / (D)
1 Residential	Res. R-TOUD, R-TOU	(\$71,644,887)	16,666,046,589	(\$0.00430)
2 Small General Service	SGS, SGS-TOUE	(\$8,649,100)	1,950,982,004	(\$0.00443)
3 SGS Constant Load (SGS-TOU-CLR)	SGS-TOU-CLR	(\$138,963)	31,614,397	(\$0.00440)
4 Medium General Service	MGS, SGS-TOU, GS-TES, APH- TES, CH-TOUE, CSE, CSG,	(\$27,666,492)	11,178,964,878	(\$0.00247)
5 Large General Service	LGS, LGS-TOU, LGS-RTP	(\$14,502,703)	8,457,791,022	(\$0.00171)
6 Seasonal and Intermittent Service	SI	(\$182,563)	43,075,313	(\$0.00424)
7 Traffic Signal Service	TSS, TFS	(\$15,978)	4,754,792	(\$0.00336)
8 Outdoor Lighting	ALS, SLS, SLR	(\$4,824,062)	352,903,610	(\$0.01367)
9 Sports Field Lighting Service	SFLS	(\$7,995)	1,134,908	(\$0.00704)
10 North Carolina Retail Tariff Revenue		(\$127,632,743) \$0	38,687,267,513 0	

¹ The EDIT Revenue Requirement is provided on Pirro Exhibit No. 4, Page 3 of 3, column (Z).

² Test Year Sales are provided in CIM Report RMC1Y for December 2018.

Summary of Monthly RMC1Y Report Detail - Billed kWh Sales by Rate Schedule

SCHEDULE	Jan-18 KWH	Feb-18 KWH	Mar-18 KWH	Apr-18 KWH	May-18 KWH	Jun-18 KWH	Jul-18 KWH	Aug-18 KWH	Sep-18 KWH	Oct-18 KWH	Nov-18 KWH	Dec-18 KWH	Annual 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	16,158,859,096
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	56,146,653
R-TOUD	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	451,040,840
SUBTOTAL	2,139,381,841	1,523,878,564	1,175,447,120	1,138,012,020	1,016,135,278	1,404,774,822	1,586,629,052	1,553,970,650	1,404,365,326	1,264,647,058	1,072,131,645	1,386,673,213	16,666,046,589
					0	0							
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	1,947,564,308
SGS-TOU-CLR	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	31,614,397
SGS-TOU	711,677,441	644,865,669	607,352,340	630,162,515	663,275,081	779,760,119	798,756,885	806,136,676	734,013,830	764,396,652	722,628,962	508,839,027	8,371,865,197
SGS-TOUE	356,241	320,961	273,678	272,146	256,218	273,787	277,662	289,545	257,731	269,102	262,958	307,667	3,417,696
SGS-TES	1,029,600	1,031,900	1,145,500	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	21,819,600
CSE	252,189	168,787	86,280	81,030	52,691	79,807	130,097	108,453	105,564	76,104	71,432	124,886	1,337,320
CSG	8,040	3,400	1,520	1,520	800	1,160	920	880	1,680	1,600	1,440	2,720	25,680
CSE	7,800	3,000	3,600	1,920	0	1,800	1,560	5,820	3,000	2,280	1,620	3,720	36,120
CH-TOUE	1,263,902	836,534	571,598	538,497	432,626	704,401	882,777	810,714	771,201	651,983	482,613	759,665	8,706,511
MGS	252,108,358	221,119,660	195,867,475	201,368,162	204,782,720	256,856,221	268,273,585	281,032,385	238,290,966	247,053,732	213,075,944	193,279,442	2,773,108,650
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	2,896,387	2,036,765	43,075,313
APH-TES	100,360	111,360	130,760	140,640	180,240	256,980	259,060	273,400	69,940	336,900	121,060	85,100	2,065,800
SUBTOTAL	1,170,198,312	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	13,204,636,592
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	1,141,204,433
LGS-TOU	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	1,598,681,135
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	9,861,252
LGS-RTP-TOU	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	5,708,044,202
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	8,457,791,022
TFS	14,727	13,530	12,385	13,724	13,272	15,490	16,025	20,774	13,733	17,173	12,946	14,436	178,215
ALS	22,666,324	22,316,408	22,423,430	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	267,795,639
TSS	396,670	388,457	389,095	388,175	388,298	384,032	374,050	374,050	374,050	374,090	374,010	371,600	4,576,577
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	1,134,908
SLR	1,290,611	1,277,830	1,291,777	1,275,943	1,300,309	1,289,999	1,293,843	1,324,174	1,265,144	1,344,791	1,285,364	1,265,028	15,504,813
SLS	5,799,586	5,816,209	5,810,243	5,802,218	5,808,980	5,802,520	5,794,075	5,796,357	5,795,760	5,827,455	5,766,585	5,783,170	69,603,158
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	358,793,310
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	38,687,267,513

TOTAL BILLED

CP&L
RUN DATE 01/31/14
RUN TIME 23:53:33

SOUTH CAROLINA

DUKE ENERGY PROGRESS, LLC
OPERATING INCOME FROM ELECTRIC OPERATIONS
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (a) (Col. 1)	North Carolina Retail Operations				
			Per Books (Col. 2)	Accounting Adjustments (c) (Col. 3)	Before Proposed Increase (Col. 4)	Revenue and Expenses from Proposed Increase (e) (Col. 5)	After Proposed Increase (Col. 6)
1	Electric operating revenue	\$ 5,682,421	\$ 3,657,503	\$ (318,129)	\$ 3,339,374	\$ 585,961	\$ 3,925,336
	Electric operating expenses:						
	Operation and maintenance:						
2	Fuel used in electric generation	1,429,144	881,642	(46,419)	835,224		835,224
3	Purchased power	390,677	158,763	(1,965)	156,798		156,798
4	Other operation and maintenance expense	1,546,719	1,050,819	(177,306)	873,513	2,164	875,677
5	Depreciation and amortization	1,060,260	669,787	301,368	971,156		971,156
6	General taxes	153,362	102,197	2,018	104,215		104,215
7	Interest on customer deposits	8,643 (b)	7,971	-	7,971		7,971
8	Net income taxes	150,622	112,986	(74,904)	38,082	134,925	173,007
9	Amortization of investment tax credit	(3,356)	(2,134)	(1,481)	(3,614)		(3,614)
10	Total electric operating expenses	<u>4,736,071</u>	<u>2,982,032</u>	<u>1,312</u>	<u>2,983,344</u>	<u>137,089</u>	<u>3,120,433</u>
11	Operating income	<u>\$ 946,351</u>	<u>\$ 675,472</u>	<u>\$ (319,441)</u>	<u>\$ 356,031</u>	<u>\$ 448,872</u>	<u>\$ 804,903</u>
12	Original cost rate base	<u>\$ 14,580,739</u>	<u>\$ 9,859,050</u>	<u>\$ 926,524 (d)</u>	<u>\$ 10,785,574</u>	<u>\$ 74,407 (f)</u>	<u>\$ 10,859,981</u>
13	Rate of return on North Carolina retail rate base		<u>6.85%</u>		<u>3.30%</u>		<u>7.41%</u>

-- Some totals may not foot or compute due to rounding.

- Notes: (a) From Form E-1, Item 45a
(b) Reclassifies interest on customer deposits to electric operating expense
(c) From Page 3, Line 36
(d) From Page 4, Line 9
(e) From Page 2
(f) From Page 4d, Line 1. Reflects an increase in operating funds per lead-lag study for the adjusted total requirements in this rate case excluding the portion already adjusted in Col. 3, Line 12.

DUKE ENERGY PROGRESS, LLC
CALCULATION OF ADDITIONAL REVENUE REQUIREMENT
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Dec. 31, 2018 Amount (Col. 1)	Pro forma Ratio (Col. 2)	North Carolina Retail Operations					
				Before Proposed Increase			After Proposed Increase		
				Retail Rate Base (Col. 3)	Cost/Return % (Col. 4)	Operating Income (Col. 5)	Retail Rate Base (Col. 6)	Cost/Return % (Col. 7)	Operating Income (Col. 8)
1	Long-term debt	\$ 8,108,191	47.00%	\$ 5,069,220	4.15%	\$ 210,604	\$ 5,104,191	4.15%	\$ 212,057
2	Members' equity (a)	<u>8,717,931</u>	<u>53.00%</u>	<u>5,716,354</u>	2.54%	<u>145,427</u>	<u>5,755,790</u>	10.30%	<u>592,846</u>
3	Total	<u>\$ 16,826,122</u>	<u>100.00%</u>	<u>\$ 10,785,574</u> (b)		<u>\$ 356,031</u> (c)	<u>\$ 10,859,981</u> (b)		804,903
4	Operating income before increase (Line 3, Column 5)								<u>356,031</u>
5	Additional operating income required (Line 3 minus Line 4)								<u>448,872</u>
6	Calculate income tax on Incremental interest expense due to increase in cash working capital in proposed revenue								<u>(337)</u>
7	Regulatory fee (.1297%), Uncollectibles Rate (.2394%), and income taxes (23.1693%)								<u>137,426</u>
8	Additional revenue requirement								<u>\$ 585,961</u>
9	Revenue Adjustments (d)								<u>\$ (122,342)</u>
10	Net Increase								<u>\$ 463,619</u>

-- Some totals may not foot or compute due to rounding.

Notes: (a) The equivalent of common equity for a limited liability company
(b) From Page 1, Line 12, Columns 4 and 6
(c) From Page 1, Line 11, Column 4
(d) From Smith Exhibit 2, Line 5

DUKE ENERGY PROGRESS, LLC
DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Electric Operating Revenue (Col. 1)	Fuel Used in Electric Generation (Col. 2)	Purchased Power (Col. 3)	Other O&M Expense (Col. 4)	Depreciation and Amortization (Col. 5)	General Taxes (Col. 6)	Income Taxes 23.1693% (Col. 7)	Amortization of ITC (Col. 8)	Operating Income
1	Annualize retail revenues for current rates	(225,760)	-	-	(833)	-	-	(52,114)	-	(172,813)
2	Update fuel costs to proposed rate	-	(12,574)	-	-	(1,684)	-	3,304	-	10,955
3	* Normalize for weather	(77,392)	(18,180)	-	(286)	-	-	(13,653)	-	(45,273)
4	* Annualize revenues for customer growth	5,182	2,857	-	19	-	-	534	-	1,771
5	Eliminate unbilled revenues	11,826	-	-	-	-	-	2,740	-	9,086
6	Adjust for costs recovered through non-fuel riders	(27,830)	(18,522)	-	(136,112)	(58,446)	(6,458)	63,161	-	128,547
7	Adjust O&M for executive compensation	-	-	-	(2,399)	-	-	556	-	1,843
8	Annualize depreciation on year end plant balances	-	-	-	-	42,068	-	(9,747)	(1,481)	(30,841)
9	Annualize property taxes on year end plant balances	-	-	-	-	-	4,064	(942)	-	(3,122)
10	* Adjust for post test year additions to plant in service	-	-	-	-	70,469	6,600	(17,857)	-	(59,213)
11	* Amortize deferred environmental costs	-	-	-	-	105,972	-	(24,553)	-	(81,419)
12	Annualize O&M non-labor expenses	-	-	-	1,311	-	-	(304)	-	(1,007)
13	* Normalize O&M labor expenses	-	-	-	(18,512)	-	(1,089)	4,542	-	15,060
14	Update benefits costs	-	-	-	(3,060)	-	-	709	-	2,351
15	* Levelize nuclear refueling outage costs	-	-	-	(6,232)	-	-	1,444	-	4,788
16	* Amortize rate case costs	-	-	-	701	-	-	(162)	-	(539)
17	Adjust aviation expenses	-	-	-	(1,452)	-	(18)	341	-	1,129
18	Adjust for approved regulatory assets and liabilities	-	-	-	1,603	(3,479)	5	434	-	1,438
19	* Adjust for Merger Related Costs	-	-	-	(4,039)	(172)	(53)	988	-	3,276
20	* Amortize Severance Costs	-	-	-	(23,366)	-	-	5,414	-	17,952
21	Adjust NC income taxes for rate change	-	-	-	-	-	-	(2,183)	-	2,183

DUKE ENERGY PROGRESS, LLC
DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Electric Operating Revenue (Col. 1)	Fuel Used in Electric Generation (Col. 2)	Purchased Power and Net Interchange (Col. 3)	Wages Benefits Materials Etc. (Col. 4)	Depreciation and Amortization (Col. 5)	General Taxes (Col. 6)	Income Taxes 23.1693% (Col. 7)	Amortization of ITC (Col. 8)	Operating Income
22	* Synchronize interest expense with end of period rate base	-	-	-	-	-	-	123	-	(123)
23	* Adjust cash working capital	-	-	-	-	-	-	122	-	(122)
24	Adjust coal inventory	-	-	-	-	-	-	-	-	-
25	* Adjust for credit card fees	-	-	-	5,197	-	-	(1,204)	-	(3,993)
26	Adjust Depreciation for new rates	-	-	-	-	89,601	-	(20,760)	-	(68,841)
27	Adjust vegetation management expenses	-	-	-	5,757	-	-	(1,334)	-	(4,424)
28	Adjust reserve for end of life nuclear costs	-	-	-	-	(91)	-	21	-	70
29	* Update deferred balance and amortize storm costs	-	-	-	-	43,717	-	(10,129)	-	(33,588)
30	Adjust other revenue	(4,155)	-	-	(5)	-	-	(962)	-	(3,188)
31	Adjust for change in NCUC Reg Fee	-	-	-	(234)	-	-	54	-	180
32	* Reflect retirement of Asheville Steam Generating Plant	-	-	-	(6,413)	(181)	(1,032)	1,767	-	5,859
33	Adjust for CertainTeed payment obligation	-	-	-	4,939	-	-	(1,144)	-	(3,794)
34	* Amortize deferred balance Asheville Combined Cycle	-	-	-	6,109	13,594	-	(4,565)	-	(15,138)
35	Adjust Purchased Power	-	-	(1,965)	-	-	-	455	-	1,510
36	Total adjustments	<u>\$ (318,129)</u>	<u>\$ (46,419)</u>	<u>\$ (1,965)</u>	<u>\$ (177,306)</u>	<u>\$ 301,368</u>	<u>\$ 2,018</u>	<u>\$ (74,904)</u>	<u>\$ (1,481)</u>	<u>\$ (319,441)</u>

-- Some totals may not foot or compute due to rounding.

Notes: * Identification required by NCUC Rule R1-17(b)

DUKE ENERGY PROGRESS, LLC
 DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
 DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
 (Thousands of Dollars)

Line No.	Description	EPIS (Col. 1)	Accum Deprec (Col. 2)	Materials & Supplies (Col. 3)	Working Capital (Col. 4)	ADIT (Col. 5)	Operating Reserves (Col. 6)	CWIP (Col. 7)	Rate Base (Col. 8)	Oper Inc Rev Req Impact (Col. 9)	R/B Rev Req Impact (Col. 10)	Total Rev Req Impact (Col. 11)
1	Annualize retail revenues for current rates	-	-	-	-	-	-	-	-	224,927	-	224,927
2	Update fuel costs to proposed rate	-	-	-	-	-	-	-	-	(14,258)	-	(14,258)
3	* Normalize for weather	-	-	-	-	-	-	-	-	58,926	-	58,926
4	* Annualize revenues for customer growth	-	-	-	-	-	-	-	-	(2,306)	-	(2,306)
5	Eliminate unbilled revenues	-	-	-	-	-	-	-	-	(11,826)	-	(11,826)
6	Adjust for costs recovered through non-fuel riders	(978,325)	158,734	(157,453)	(150,987)	90,146	-	-	(1,037,885)	(167,313)	(94,010)	(261,323)
7	Adjust O&M for executive compensation	-	-	-	-	-	-	-	-	(2,399)	-	(2,399)
8	Annualize depreciation on year end plant balances	-	-	-	-	-	-	-	-	40,141	-	40,141
9	Annualize property taxes on year end plant balances	-	-	-	-	-	-	-	-	4,064	-	4,064
10	* Adjust for post test year additions to plant in service	1,845,936	(383,473)	-	(1,458)	(31,249)	-	(102,930)	1,326,826	77,070	120,182	197,252
11	* Amortize deferred environmental costs	-	-	-	423,886	(98,212)	-	-	325,675	105,972	29,499	135,471
12	Annualize O&M non-labor expenses	-	-	-	-	-	-	-	-	1,311	-	1,311
13	* Normalize O&M labor expenses	-	-	-	-	-	-	-	-	(19,602)	-	(19,602)
14	Update benefits costs	-	-	-	-	-	-	-	-	(3,060)	-	(3,060)
15	* Levelize nuclear refueling outage costs	-	-	-	-	-	-	-	-	(6,232)	-	(6,232)
16	* Amortize rate case costs	-	-	-	2,670	(619)	-	-	2,051	701	186	887
17	Adjust aviation expenses	-	-	-	-	-	-	-	-	(1,470)	-	(1,470)
18	Adjust for approved regulatory assets and liabilities	-	-	-	(83,851)	19,428	-	-	(64,423)	(1,871)	(5,835)	(7,707)
19	* Adjust for Merger Related Costs	-	347	-	-	-	-	-	347	(4,264)	31	(4,232)
20	* Amortize Severance Costs	-	-	-	23,297	(5,398)	-	-	17,899	(23,366)	1,621	(21,745)
21	Adjust NC income taxes for rate change	-	-	-	-	-	-	-	-	(2,841)	-	(2,841)

DUKE ENERGY PROGRESS, LLC
DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	EPIS (Col. 1)	Accum Deprec (Col. 2)	Materials & Supplies (Col. 3)	Working Capital (Col. 4)	ADIT (Col. 5)	Operating Reserves (Col. 6)	CWIP (Col. 7)	Rate Base (Col. 8)	Oper Inc Rev Req Impact (Col. 9)	R/B Rev Req Impact (Col. 10)	Total Rev Req Impact (Col. 11)
22	* Synchronize interest expense with end of period rate base	-	-	-	-	-	-	-	-	160	-	160
23	* Adjust cash working capital	-	-	-	(27,013)	-	-	-	(27,013)	159	(2,447)	(2,288)
24	Adjust coal inventory	-	-	9,641	-	-	-	-	9,641	-	873	873
25	* Adjust for credit card fees	-	-	-	-	-	-	-	-	5,197	-	5,197
26	Adjust Depreciation for new rates	-	(88,728)	-	-	-	-	-	(88,728)	89,601	(8,037)	81,564
27	Adjust vegetation management expenses	-	-	-	-	-	-	-	-	5,757	-	5,757
28	Adjust reserve for end of life nuclear costs	-	-	-	-	-	-	-	-	(91)	-	(91)
29	* Update deferred balance and amortize storm costs	-	-	-	612,045	(141,807)	-	-	470,238	43,717	42,594	86,311
30	Adjust other revenue	-	-	-	-	-	-	-	-	4,150	-	4,150
31	Adjust for change in NCUC Reg Fee	-	-	-	-	-	-	-	-	(234)	-	(234)
32	* Reflect retirement of Asheville Steam Generating Plant	(287,052)	210,671	(7,002)	65,929	(15,275)	-	-	(32,730)	(7,626)	(2,965)	(10,591)
33	Adjust for CertainTeed payment obligation	-	-	-	-	-	-	-	-	4,939	-	4,939
34	* Amortize deferred balance Asheville Combined Cycle	-	-	3,735	27,188	(6,299)	-	-	24,624	19,703	2,230	21,933
35	Adjust Purchased Power	-	-	-	-	-	-	-	-	(1,965)	-	(1,965)
36	Total adjustments	<u>\$ 580,558</u>	<u>\$ (102,448)</u>	<u>\$ (151,079)</u>	<u>\$ 891,707</u>	<u>\$ (189,284)</u>	<u>\$ -</u>	<u>\$ (102,930)</u>	<u>\$ 926,524</u>	<u>\$ 415,773</u>	<u>\$ 83,923</u>	<u>\$ 499,696</u>

-- Some totals may not foot or compute due to rounding.

Notes: * Identification required by NCUC Rule R1-17(b)

DUKE ENERGY PROGRESS, LLC
ORIGINAL COST RATE BASE-ELECTRIC OPERATIONS
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Page Reference	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
				Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
1	Electric plant in service	4a	\$ 27,775,617	\$ 18,805,911	\$ 580,558	\$ 19,386,469
2	Less: Accumulated depreciation and amortization	4b	(11,648,793)	(8,042,060)	(102,448)	(8,144,508)
3	Net electric plant		16,126,825	10,763,851	478,110	11,241,961
4	Add: Materials and supplies	4c	1,076,701	754,774	(151,079)	603,695
5	Working capital investment	4d	(642,895)	(375,172)	891,707	516,535
6	Less: Accumulated deferred taxes		(2,000,064)	(1,332,628)	(189,284)	(1,521,912)
7	Operating reserves		(82,759)	(54,705)	-	(54,705)
8	Construction work in progress	3	102,930	102,930	(102,930)	(0)
9	Total		<u>\$ 14,580,739</u>	<u>\$ 9,859,050</u>	<u>\$ 926,524</u>	<u>\$ 10,785,574</u>

-- Some totals may not foot or compute due to rounding.

DUKE ENERGY PROGRESS, LLC
ELECTRIC PLANT IN SERVICE AT ORIGINAL COST
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
1	Production Plant	\$ 16,551,690	\$ 10,056,520	\$ (198,752)	\$ 9,857,768
2	Transmission Plant	2,746,389	1,643,263	168,445	1,811,708
3	Distribution Plant	6,944,764	6,052,263	588,771	6,641,034
4	General Plant	628,616	465,435	46,355	511,790
5	Intangible Plant	<u>527,370</u>	<u>358,178</u>	<u>3,102</u>	<u>361,280</u>
6	Subtotal	27,398,830	18,575,658	607,921	19,183,580
7	Nuclear Fuel (Net)	<u>376,788</u>	<u>230,252</u>	<u>(27,363)</u>	<u>202,889</u>
8	Total electric plant in service	<u>\$ 27,775,617</u>	<u>\$ 18,805,911</u>	<u>\$ 580,558</u>	<u>\$ 19,386,469</u>

-- Some totals may not foot or compute due to rounding.

DUKE ENERGY PROGRESS, LLC
ACCUMULATED DEPRECIATION AND AMORTIZATION - ELECTRIC PLANT IN SERVICE
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
1	Production Reserve	\$ (7,107,080)	\$ (4,390,758)	\$ 1,462	\$ (4,389,296)
2	Transmission Reserve	(816,198)	(488,611)	(20,202)	(508,814)
3	Distribution Reserve	(3,235,148)	(2,819,386)	(84,708)	(2,904,094)
4	General Reserve	(167,536)	(124,045)	17,197	(106,848)
5	Intangible Reserve	<u>(322,831)</u>	<u>(219,260)</u>	<u>(16,197)</u>	<u>(235,457)</u>
6	Total	<u>\$ (11,648,793)</u>	<u>\$ (8,042,060)</u>	<u>\$ (102,448)</u>	<u>\$ (8,144,508)</u>
7	The annual composite rates based on the new depreciation study for computing depreciation (straight-line method) are shown below:				
8	Steam production plant	5.46%			
9	Nuclear production plant	5.61%			
10	Hydro production plant	0.52%			
11	Other production plant	2.18%			
12	Transmission plant	0.00%			
13	Distribution plant	0.00%			
14	General plant	Various			
15	Intangible plant	20.00%			

-- Some totals may not foot or compute due to rounding.

DUKE ENERGY PROGRESS, LLC
MATERIALS AND SUPPLIES
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
	Fuel Stock:				
1	Coal	\$ 122,062	\$ 74,591	\$ 2,639 (a)	\$ 77,230
2	Oil	113,740	69,506	-	69,506
3	Total fuel stock	235,801	144,097	2,639	146,735
4	Other electric materials and supplies and stores clearing	840,900	610,677	(153,718)	456,960
5	Total Materials and Supplies	<u>\$ 1,076,701</u>	<u>\$ 754,774</u>	<u>\$ (151,079)</u>	<u>\$ 603,695</u>

-- Some totals may not foot or compute due to rounding.

Notes: (a) Adjusts coal inventory to reflect the targeted inventory level of 35 days at full load

DUKE ENERGY PROGRESS, LLC
WORKING CAPITAL INVESTMENT
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations			Impact of Rev Incr (Col. 5)	With Rev Incr (Col. 6)
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)		
1	Investor advanced funds: Operating funds per lead-lag study	238,679 (a)	160,141 (a)	(27,013) (b)	133,128	74,407 (c)	207,535
2	Unamortized Debt	47,722	32,019	-	32,019	-	32,019
3	Regulatory Assets	(781,496)	(437,291)	918,720	481,429	-	481,429
4	Other	<u>(10,529)</u>	<u>(13,453)</u>	<u>-</u>	<u>(13,453)</u>	<u>-</u>	<u>(13,453)</u>
5	Total investor advanced funds	<u>(505,624)</u>	<u>(258,584)</u>	<u>891,707</u>	<u>633,123</u>	<u>74,407</u>	<u>707,530</u>
6	Less: customer deposits	<u>(137,271)</u>	<u>(116,588)</u>	<u>-</u>	<u>(116,588)</u>	<u>-</u>	<u>(116,588)</u>
7	Total working capital investment	<u>\$ (642,895)</u>	<u>\$ (375,172)</u>	<u>\$ 891,707</u>	<u>\$ 516,535</u>	<u>\$ 74,407</u>	<u>\$ 590,942</u>

-- Some totals may not foot or compute due to rounding.

- Notes: (a) From Angers Exhibit 2, Line 16 and Line 19
(b) Reflects a decrease in "operating funds per lead-lag study" for the adjusted total requirements in this rate case
(c) Reflects an increase in "operating funds per lead-lag study" for the impact of the revenue increase

DUKE ENERGY PROGRESS, LLC
SUMMARY OF PROPOSED REVENUE ADJUSTMENTS
DOCKET NO. E-2, SUB 1219 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

SMITH
Exhibit No. 2
Page 1 of 1

<u>Line No.</u>	<u>Description</u>	<u>NC RETAIL</u>	<u>Reference</u>
1	Additional base revenue requirement	\$ 585,961	Smith Exhibit 1
2	REVISED Annual EDIT Rider 1	7,381	Smith Exhibit 3
3	Annual EDIT Rider 2 - Year 1 giveback	(127,633)	Smith Exhibit 4
4	Regulatory Asset and Liability Rider	<u>(2,091)</u>	Smith Exhibit 5
5	Subtotal	(122,342)	Sum L3 - L17
6	Net Revenue Increase	<u>\$ 463,619</u>	

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

NC-0600
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 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.	<u>Description</u>	<u>Source</u>	Total NC Retail Application
1			
2	<u>Pro Formas Impacting Income Statement Line Items</u>		
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	<u>(156,377)</u>
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	<u>Pro Formas Impacting Rate Base Line Items</u>		
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	<u>(792,228)</u>
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		

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
 Page 1 of 2
 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 [2]	(j) Total NC Retail	(k) Factor [2]
1											
2	<u>Impact to Income Statement Line Items</u>										
3	<u>Electric operating revenue:</u>										
4	Revenue	- [1]	- [1]	\$ 24,719 [6]			- [1]	\$ (24,719)	100.0000%	\$ (24,719)	DA
5	Other Electric Revenues			1,114 [6]				(1,114)	100.0000%	(1,114)	DA
6	JAAR Revenue Adjustments				3,245 [7]			(3,245)	61.5278%	(1,996)	DPALL
7	Impact to revenue							<u>\$ (29,078)</u>		<u>\$ (27,830)</u>	
8											
9	<u>Fuel used in electric generation:</u>										
10	RECS Consumption Expense			18,424 [6]				\$ (18,424)	100.0000%	\$ (18,424)	DA
11	Biogas Expense			433				(433)	100.0000%	(433)	DA
12	REC Biogas Contra Expense			(333)				333	100.0000%	333	DA
13	REC Biogas Contra Expense - SC			(3)				3	100.0000%	3	DA
14	Impact to fuel							<u>\$ (18,522)</u>		<u>\$ (18,522)</u>	
15											
16											
17	<u>Other operation and maintenance expense:</u>										
18	O&M/A&G Expenses	88,956 [3]						\$ (88,956)	81.0834%	\$ (72,128)	DSMALL
19	Insurance Expense DSDR	707 [3]						(707)	67.9178%	(480)	PTDG
20	O&M recovered in JAAR				72,212 [7]			(72,212)	61.5278%	(44,431)	DPALL
21	A&G Related O&M recovered in JAAR				30,999 [7]			(30,999)	61.5278%	(19,073)	DPALL
22								-	0.0000%	-	
23	Impact to O&M							<u>\$ (192,874)</u>		<u>\$ (136,112)</u>	
24											
25	<u>Depreciation and amortization:</u>										
26	DSDR Depreciation: Intangible Plant		1,158 [4]					\$ (1,158)	67.9178%	\$ (786)	PTDG
27	DSDR Depreciation: Transmission Plant		12 [4]					(12)	59.6699%	(7)	DTALL
28	DSDR Depreciation: Distribution Plant		4,306 [4]					(4,306)	87.1486%	(3,753)	RB_PLT_O_DL
29	DSDR Depreciation: General Plant		855 [4]					(855)	74.0412%	(633)	RB_PLT_O_GN
30	DSM Allocated Amortizations	(38,327) [3]						38,327	81.0834%	31,077	DSMALL
31	DSM NC Amortizations	50,043 [3]						(50,043)	100.0000%	(50,043)	DA
32	DSM SC Amortizations	17,528 [3]						(17,528)	0.0000%	-	DA
33	REPS Rider NC Retail			6,514 [6]				(6,514)	100.0000%	(6,514)	DA
34	REPS Rider NC Wholesale			(26)				26	0.0000%	-	DA
35	JAAR Depreciation and amortization expense				\$50,480 [7]			(50,480)	61.5278%	(31,059)	DPALL
36	EDIT Rider Amortization (Account 0407398)						(\$3,273) [9]	3,273	100.0000%	3,273	DA
37	Impact to depreciation and amortization							<u>\$ (89,270)</u>		<u>\$ (58,446)</u>	
38											
39	<u>Property Tax</u>										
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							<u>\$ (6,691)</u>		<u>\$ (4,155)</u>	
43											
44	<u>Other Tax</u>										
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							<u>\$ (3,655)</u>		<u>\$ (2,303)</u>	
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		44,417	
52	EDIT Impact to Income Taxes						(18,743) [10]	18,743	100.0000%	18,743	DA
53	Total Tax impact (Sum L51 through L52)							<u>\$ 84,065</u>		<u>\$ 63,161</u>	
54											
55	Impact to operating income (L49 - L51)							<u>\$ 197,868</u>		<u>\$ 128,547</u>	

NC-0601
 Page 1 of 2

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)

Line No.	Description	DSM/EE	DSDR	REPS	JAAR	HB 589	EDIT	Adjust Total System	NC Retail Allocation [2]	Total NC Retail	Factor [2]
56	<u>Impact to Rate Base Line Items</u>										
57	<u>Electric plant in service:</u>										
58	DSDR Plant		215,855 [5]					\$ (215,855)		\$ (179,383)	Various
59	NCEMPA Plant Recovered in JAAR Rider				1,254,033 [7]			(1,254,033)	61.5278%	(771,579)	DPALL
60	Impact to electric plant in service							<u>\$ (1,469,888)</u>		<u>\$ (950,962)</u>	
61											
62	<u>Accumulated depreciation and amortization:</u>										
63	DSDR Accum Depr		(81,542) [5]					\$ 81,542		\$ 64,157	Various
64	NCEMPA Accum Depr recovered in JAAR Rider				(153,714) [7]			153,714	61.5278%	94,577	DPALL
65	Impact to accumulated depreciation							<u>\$ 235,256</u>		<u>\$ 158,734</u>	
66											
67	<u>Nuclear Fuel</u>										
68	JAAR Nuclear Fuel				44,473 [7]			\$ (44,473)	61.5278%	\$ (27,363)	DPALL
69											
70	<u>Materials and supplies:</u>										
71	Renewable Energy Credits (RECs)-NC			120,429 [6]				\$ (120,429)	100.0000%	\$ (120,429)	DA
72	JAAR Material and Supplies				60,175 [7]			(60,175)	61.5278%	(37,025)	DPALL
73											
74	Impact to Materials and Supplies							<u>\$ (180,604)</u>		<u>\$ (157,453)</u>	
75											
76	<u>Working capital investment:</u>										
77	REPS Incremental Costs			(2,911) [6]				\$ 2,911	100.0000%	\$ 2,911	DA
78	NC Solar Amort & Returns			58 [6]				(58)	100.0000%	(58.101)	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]	(442)	100.0000%	(442)	DA
84	Duke Generated REC Certificate			336 [6]				(336)	100.0000%	(335.739)	DA
85	NC Solar Rebate Program Costs - Retail			3,150 [6]				(3,150)	100.0000%	(3,150)	DA
86	Impact to working capital investment							<u>\$ (150,955)</u>		<u>\$ (150,987)</u>	
87											
88	<u>Accumulated deferred income tax:</u>										
89	ADIT on REPS Reg Asset and Liability									\$ (26,325)	DA
90	ADIT on NC DSM/EE Reg Asset	(50,920) [3]								50,920	DA
91	ADIT on NC JAAR Reg Assets				(10,285)				100.0%	10,285	NB_PLT
92	ADIT on DSDR Plant		(27,051) [5]							22,481	Various
93	ADIT on JAAR: Production Plant related				(53,311) [7]				61.5278%	32,801	DPALL
94	ADIT on JAAR: Nuclear Fuel related				26 [7]				61.5278%	(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 (L60 + 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_DI_), 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 workpaper

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

NC-0602
Page 1 of 1
Application

Remove DSM/EE/DSDR clause impacts

(a) Row	(b) Description	(c) FERC Account	(d) Sub Component of Account?	(e) Amount	
INCOME STATEMENT					
O&M					
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	Depreciation				
16	DSDR Annualized Depreciation Expense			6,330,487	[2]
17	Adjustment to remove Annualized Depreciation expense			\$ (6,330,487)	
18					
19	Deferrals/Amortizations				
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	Property taxes				
35	PROPERTY TAX on DSDR		Y	603,872	[2]
36	Adjustment to Remove DSDR Property Taxes			\$ (603,872)	
37					
38	Other Taxes				
39	PAYROLL TAX	0408960	Y	275,232	[1]
40	Adjustment to Remove DSM/EE/DSDR Other Taxes			\$ (275,232)	
41					
42	RATE BASE				
43	Reg Assets				
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	ADIT				
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

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

NC-0603
 Page 1 of 1
 Application

Line No.	Description	Account	Total System	NC Retail Allocation [2]	Total NC Retail
1	<u>DSDR Plant</u>				
2	Gross Plant balances:				
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%			

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-0604
Page 1 of 1
Application

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Line No.

DEP REPS Collection by Customer Class

	<u>REPS Revenue</u>	<u>EMF</u>	<u>Total</u>
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
	<u>\$ 35,624,403</u>	<u>\$ (10,905,381)</u>	<u>\$ 24,719,022</u>

REPS/RECs Expenses by FERC Account

<u>Description</u>	<u>Account</u>	<u>REPS</u>	<u>COS Adj</u>
Income Statement			
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)	

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-0605
 Page 1 of 1
 Application

Amounts Recovered through the Joint Agency Asset Rider

Line No.	<u>Description</u>	Total <u>Utility</u>	[1]
1	Rate Base		
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	<u>JAAR Revenue included in Revenue Requirement *</u>		
14	General Plant Return-Account 0454510	\$ 2,619	
15	Disptach 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	<u>JAAR Operating Expenses included in Revenue Requirement **</u>		
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	30,999	
25	Total Test Period Expenses	<u>103,211</u>	
26			
27	<u>JAAR Payroll and Property Taxes included in Revenue Requirement</u>		
28	Payroll Tax - Account 0408151 & 0408152 **	\$ 3,380	
29	Property Taxes - Account 0408000	6,087	
30	Total Test Period Taxes	<u>9,467</u>	
31			
32	<u>JAAR Depreciation and Amortization Expense</u>		
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	1,162	[1]
36	SubTotal Depreciation and Amortization Expense	<u>46,013</u>	
37	Nuclear decommissioning expenses - Account 0403800	4,467	[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 reimbursal that would have been billed to PA under the OFA agreement. No expenses were billed during the test period.

Miller Exhibit 1

Duke Energy Progress, LLC
 Docket No. E-2, Sub 1206
 Summary of 2020 DSM/EE Rates

	<u>Source:</u>	<u>cents/kWh</u> <u>Rate</u>	<u>Reg Fee</u>	<u>Billing Rate</u>
Residential Rate				
EMF Rate - DSM	Miller Exhibit 2, page 5	0.001	0.000	0.001
EMF Rate - EE	Miller Exhibit 2, page 4	-0.029	0.000	-0.029
Projected Rate - DSM	Miller Exhibit 2, page 2	0.120	0.000	0.120
Projected Rate - EE	Miller Exhibit 2, page 1	0.503	0.001	0.504
Total Residential Rate		0.595		0.596
General Service				
EE EMF Rate	Miller Exhibit 2, page 4	0.151	0.000	0.151
EE Projected Rate	Miller Exhibit 2, page 1	0.635	0.001	0.636
Total General Service EE Rate		0.786		0.787
DSM EMF Rate	Miller Exhibit 2, page 5	-0.013	0.000	-0.013
DSM Projected Rate	Miller Exhibit 2, page 2	0.070	0.000	0.070
Total General Service DSM Rate		0.057		0.057
Lighting EE Rate				
Lighting EE EMF Rate	Miller Exhibit 2, page 4	-0.002	0.000	-0.002
Lighting EE Projected Rate	Miller Exhibit 2, page 1	0.096	0.000	0.096
Total Lighting EE Rate		0.094		0.094

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Oct 11 2022

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 Energy Efficiency Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Energy Allocation Factor ⁽²⁾	EE Revenue Requirements						
			Residential Programs ⁽³⁾	CIG Programs ⁽⁴⁾	DSDR ⁽⁵⁾	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾	DSDR Allocated A&G and Carrying Costs ⁽⁷⁾	Total of Allocated Costs ^{(8) = Σ (3 thru 7)}	Total EE Rate ^{(9) = (8) / (1)}
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	16,011,833,010	61.51%	\$ 58,221,634	\$ -	\$ 14,493,373	\$ 6,935,225	\$ 932,299	\$ 80,582,531	0.503
General Service	9,657,233,917	37.10%	\$ -	\$ 46,577,409	\$ 8,741,404	\$ 5,405,399	\$ 562,299	\$ 61,286,510	0.635
Lighting	360,095,612	1.38%	\$ -	\$ -	\$ 325,946	\$ -	\$ 20,967	\$ 346,913	0.096
NC Retail	26,029,162,539	100%	\$ 58,221,634	\$ 46,577,409	\$ 23,560,723	\$ 12,340,624	\$ 1,515,565	\$ 142,215,955	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Energy Allocation Factor is derived in Miller Exhibit 5, page 5, column (4).
- (3) Residential Program costs are allocated solely to the Residential Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) Non-Residential Program costs are allocated solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives and net lost revenues).
- (7) DSDR A&G Costs and Carrying Costs are allocated using the Rate Class Energy Allocation Factor from column (2).

Please note: Exhibit may not foot due to rounding.

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1206
Demand-Side Management Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	DSM Revenue Requirements					Total of Allocated Costs (7) = Σ (3 thru 6)	Total DSM Rate (8) = (7) / (1)
			EnergyWise Program Costs ⁽³⁾	CIG DR Program ⁽⁴⁾	Allocated A&G Costs ⁽⁵⁾	Allocated Carrying Costs ⁽⁵⁾			
	(1)	(2)	(3)	(4)	(5)	(6)			
Residential	16,011,833,010	67.91%	\$ 15,926,807	\$ -	\$ 686,852	\$ 2,581,877	\$ 19,195,536	0.120	
General Service	9,555,153,028	32.09%	\$ -	\$ 5,126,667	\$ 319,091	\$ 1,199,460	\$ 6,645,218	0.070	
Lighting	359,358,198	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	-	
NC Retail	25,926,344,236	100.00%	\$ 15,926,807	\$ 5,126,667	\$ 1,005,943	\$ 3,781,337	\$ 25,840,754		

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Demand Allocation Factor is derived in Miller Exhibit 5, page 6, column (5).
- (3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) CIG DR Program costs are directly assigned solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and net lost revenues).

Please note: Exhibit may not foot due to rounding.

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Energy Allocation Factor ⁽²⁾	EE EMF Revenue Requirement								
			Residential Programs ⁽³⁾	CIG Programs ⁽⁴⁾	DSDR ⁽⁵⁾	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾	DSDR Allocated A&G and Carrying Costs ⁽⁵⁾	Total of Allocated Costs ^{(8) = Σ (3 thru 7)}	Less: Prior Period EE Rate Adjustment ⁽⁷⁾	Adjusted EE EMF Revenue Requirement ⁽¹⁰⁾⁼⁽⁸⁾⁻⁽⁹⁾	Total EE EMF Rate (cents/kWh) ^{(11) = (10) / (1)}
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Residential	16,011,833,010	61.51%	\$ 54,837,402	\$0	\$ 14,807,750	\$ 6,914,222	\$ 989,952	\$ 77,549,326	\$ 82,129,569	\$ (4,580,242)	(0.029)
General Service	9,657,233,917	37.10%	\$0	\$ 55,563,562	\$ 8,931,014	\$ 6,057,455	\$ 597,071	\$ 71,149,102	\$ 56,588,824	\$ 14,560,277	0.151
Lighting	360,095,612	1.38%	\$0	\$0	\$ 333,017	\$ -	\$ 22,263	\$ 355,280	\$ 362,466	\$ (7,186)	(0.002)
NC Retail	26,029,162,539	100.00%	\$ 54,837,402	\$ 55,563,562	\$ 24,071,781	\$ 12,971,677	\$ 1,609,286	\$ 149,053,708	\$ 139,080,858	\$ 9,972,849	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Energy Allocation Factor is derived in Miller Exhibit 5, page 5, column (4).
- (3) Residential Program costs are allocated solely to the Residential rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) Non-residential Program costs are allocated solely to the General Service rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives and net lost revenues) assigned in preceding columns.
- (7) Amounts are derived in Miller Exhibit 2, page 7.

Please note: Exhibit may not foot due to rounding.

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1206
Demand-Side Management Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾ (1)	Rate Class Demand Allocation Factor ⁽²⁾ (2)	DSM EMF Revenue Requirement					Less: Prior Period DSM Rate Adjustment ⁽⁶⁾ (8)	Adjusted DSM EMF Revenue Requirement (9)=(7)-(8)	Total DSM EMF Rate (cents/kWh) (10) = (9) / (1)
			EnergyWise Program Costs ⁽³⁾ (3)	CIG DR Program ⁽⁴⁾ (4)	Allocated A&G Costs ⁽⁵⁾ (5)	Allocated Carrying Costs ⁽⁵⁾ (6)	Total of Allocated Costs (7) = Σ (3 thru 6)			
Residential	16,011,833,010	67.91%	\$14,711,909	\$ -	\$ 631,225	\$ 2,504,759	\$ 17,847,893	\$ 17,737,942	\$ 109,951	0.001
General Service	9,555,153,028	32.09%	\$ -	\$ 3,404,359	\$ 234,392	930,089	\$ 4,568,840	\$ 5,799,983	\$ (1,231,144)	(0.013)
Lighting	359,358,198	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
NC Retail	25,926,344,236	100%	\$14,711,909	\$ 3,404,359	\$ 865,617	\$ 3,434,848	\$ 22,416,733	\$ 23,537,926	\$ (1,121,193)	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Demand Allocation Factor is derived in Miller Exhibit 5, page 6, column (5).
- (3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) CIG DR costs are directly assigned solely to the General Service Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and net lost revenues) assigned in preceding columns.
- (6) Amounts are derived in Miller Exhibit 2, page 7.

Please note: Exhibit may not foot due to rounding.

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 EMF Period Revenue Requirement Summary - NC Level
 January 2018 - December 2018

	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	O&M Year 11	O&M Year 10	O&M Year 9	O&M Year 8	O&M Year 7	O&M Year 6	O&M Year 5	O&M Year 4	O&M Year 3	O&M Year 2	Prior Period	DSDR Capital	Income Taxes	DSDR Property	DSDR	Carrying	Income Taxes	Rev Reqmt	Net Loss	Program	Rev Reqmt			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)			
	ICols(1) thru(6)						ICols(7) thru(17)											ICols(18) thru(20)			ICols(21) thru(24)									
NC DSM Program Expenses																														
1 CIG DR	1,399,223			1,399,223	466,408	-	9,654	50,196	111,375	121,109	92,699	126,044	203,926	45,275	439,327	418,230	1,617,836							-	-	2,084,244	260,829	2,345,073		
2 EnergyWise	12,087,626			12,087,626	1,208,763	-	93,706	765,733	928,198	883,966	718,040	898,794	857,766	493,103	1,112,168	1,080,935	7,832,408							-	-	9,041,171	5,670,738	14,711,909		
3 EnergyWise for Business	1,733,219			1,733,219	577,740	-	-	-	-	-	-	-	-	10,949	302,585	381,729	695,263							-	-	1,273,003	57,289	(271,006)		
4 Total DSM	15,220,068			15,220,068	2,252,910	-	103,360	815,929	1,039,573	1,005,075	810,739	1,024,838	1,061,692	549,217	1,854,080	1,880,894	10,145,508							-	-	12,398,418	57,289	5,660,561		
5 DSM Assigned A&G and CCost			767,276	767,276	-	255,759	-	-	-	-	-	-	-	92,802	275,523	241,533	609,858							2,809,943	624,905	4,300,465	-	4,300,465		
6 Total DSM and Assigned Costs	15,220,068		767,276	15,987,344	2,252,910	255,759	103,360	815,929	1,039,573	1,005,075	810,739	1,024,838	1,061,692	642,129	2,129,603	2,122,427	10,755,366							2,809,943	624,905	16,698,883	57,289	5,660,561	22,416,733	
NC EE Program Expenses																														
7 Residential Home Advantage				-	-	-	30,344	79,122	112,214	128,358	30,197	311	-	-	-	-	380,546							-	-	380,546	-	176,476	557,022	
8 Home Energy Improvem't	5,861,122			5,861,122	586,112	-	28,846	559,601	657,258	512,856	467,209	441,363	421,966	203,314	486,359	569,027	4,347,799							-	-	4,933,911	672,751	342,294	5,948,956	
9 Neighborhood Energy Saver	1,500,588			1,500,588	150,059	-	6,286	111,934	177,895	175,267	160,353	171,428	143,312	56,354	166,013	145,585	1,314,427							-	-	1,464,486	134,180	-	1,598,666	
10 Solar Hot Water Pilot				-	-	-	1,296	14,631	15,790	-	-	-	-	-	-	-	38,418							-	-	38,418	-	-	38,418	
11 EE Lighting (Res)*	7,117,425			7,117,425	1,423,485	-	3,620	-	-	-	-	-	-	1,309,044	2,982,285	1,143,175	2,515,902	1,782,984							-	-	11,160,495	2,950,128	4,175,557	18,286,180
12 Appliance Recycling				-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	633,915	52,165	119,754	805,834	
13 My Home Energy Report	6,250,206			6,250,206	6,250,206	-	-	-	-	-	-	-	-	-	-	-	6,250,206	6,433,772							-	-	4,196,549	1,170,118	587,678	5,954,345
14 Residential New Construction	10,723,253			10,723,253	1,072,325	-	-	-	-	9,408	79,037	373,130	673,568	274,358	760,750	953,973	3,124,224							-	-	2,495	-	-	2,495	
15 Home Depot CFL				-	-	-	-	-	-	-	-	-	-	-	-	-	2,495							-	-	-	-	-	-	2,495
16 Energy Education Program for Schools	550,291			550,291	110,058	-	-	-	-	-	-	-	-	-	-	-	550,291							-	-	500,615	218,873	-	719,488	
17 Save Energy & Water Kits	670,940			670,940	134,188	-	-	-	-	-	-	-	-	82,221	37,820	133,859	136,657	390,557							-	-	388,606	1,630,652	945,613	2,964,871
18 Residential Energy Assessments	1,505,780			1,505,780	301,156	-	-	-	-	-	-	-	-	-	-	-	1,204,624							-	-	835,146	602,369	257,791	1,695,307	
19 Multi-Family	1,959,175			1,959,175	391,835	-	-	-	-	-	-	-	-	236,695	209,064	330,843	411,025	1,187,627							-	-	1,579,462	1,441,342	619,236	3,640,040
20 Found Revenue																														(4,903)
21 Subtotal-Residential	36,138,780			36,138,780	10,419,425	-	72,887	796,719	1,088,774	938,241	854,239	2,392,895	4,659,451	1,971,460	4,721,132	4,449,628	21,945,426							-	-	32,364,851	15,301,448	7,171,104	54,837,402	
22 CIG Energy Efficiency				-	-	-	64,049	500,502	689,583	741,028	644,429	661,861	538,734	274,217	(2)	4,114,401								-	-	4,114,401	-	4,114,401	4,114,401	
23 EE Lighting (Gen Svc)*	862,454			862,454	172,491	-	-	-	-	-	-	-	-	158,988	362,209	138,842	305,565	216,095							-	-	1,354,190	1,207,667	1,385,841	3,947,698
24 Non-Residential Energy Efficiency Programs				-	-	-	-	-	-	-	-	-	-	-	-	-	9,782,959							-	-	9,782,959	8,638,552	1,885,841	18,211,511	
25 Smart Saver Prescriptive	9,493,158			9,493,158	3,164,386	-	-	-	-	-	-	-	-	-	-	-	3,164,386							-	-	3,164,386	8,950,905	12,115,291	12,115,291	
26 Smart Saver Custom	1,767,818			1,767,818	589,239	-	-	-	-	-	-	-	-	-	-	-	589,239							-	-	589,239	255,925	845,165	845,165	
27 Smart Saver Performance Incentive				-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	46,133	30,334	76,467
28 Small Business Energy Saver	7,201,646			7,201,646	2,400,549	-	-	-	-	11,847	60,097	585,894	800,890	546,667	2,517,125	2,389,555	6,912,075							-	-	9,312,624	4,256,047	2,644,583	16,213,254	
29 Business Energy Report				-	-	-	-	-	-	-	-	-	-	-	-	-	36,600							-	-	36,600	-	-	-	36,600
30 Found Revenue																														(206,625)
30 Subtotal-General Service	19,325,076			19,325,076	6,326,665	-	64,049	500,502	689,583	752,875	704,526	1,406,743	1,701,833	972,045	6,658,798	8,576,780	22,027,734							-	-	28,354,399	13,941,574	13,267,589	55,563,562	
31 Total of EE Programs	55,463,856			55,463,856	16,746,089	-	136,935	1,297,221	1,778,357	1,691,116	1,558,765	3,799,638	6,361,284	2,943,505	11,379,930	13,026,408	43,973,159							-	-	60,719,249	29,243,022	20,438,693	110,400,964	
32 EE Assigned A&G and CCost			2,859,319	2,859,319	-	953,106	-	-	-	-	-	-	-	347,671	1,026,568	921,279	2,295,518							7,954,289	1,768,764	12,971,677	-	12,971,677	12,971,677	
33 Total EE and Assigned Costs	55,463,856		2,859,319	58,323,175	16,746,089	953,106	136,935	1,297,221	1,778,357	1,691,116	1,558,765	3,799,638	6,361,284	3,291,176	12,406,498	13,947,687	46,268,677							7,954,289	1,768,764	73,690,927	29,243,022	20,438,693	123,372,641	
NC DSDR Program Expenses																														
34 DSDR Program	3,693,521	670,117	-	4,363,638	436,364	-	180,569	406,671	600,832	602,669	588,272	575,377	600,738	194,703	535,468	471,130	4,756,429	6,418,064	1,427,080	603,872	10,427,643			1,316,534	292,752	24,069,452	2,329	24,071,781		
35 DSDR Assigned A&G and CCost			670,117	4,363,638	436,364	-	180,569	406,671	600,832	602,669	588,272	575,377	600,738	194,703	535,468	471,130	4,756,429	6,418,064	1,427,080	603,872	10,427,643			1,316,534	292,752	25,678,738	2,329	25,681,067		
36 Total DSDR and Assigned Costs	3,693,521	670,117	670,117	8,727,276	872,728	-	361,138	813,342	1,201,664	1,185,341	1,183,609	1,176,115	1,201,476	389,406	1,070,936	942,260	9,512,858	12,836,128	2,854,160	1,207,744	20,855,286			2,633,068	585,504	50,748,190	4,658	50,752,848		
37 Test Period Totals	74,377,445	670,117	3,626,595	78,674,157	19,435,363	1,208,865	420,864	2,519,821	3,418,762	3,298,860	2,957,776	5,399,853	8,023,714	4,128,008	15,071,569	16,541,244	61,780,472	6,418,064	1,427,080	603,872	10,427,643			12,080,766	2,686,421	116,068,548	29,243,040	26,099,254	171,470,441	

*All Non-Residential programs are amortized over a 3 year period. The Residential Lighting Program, Multi-Family EE and EE Education are recoverable over a 5 year period. My Home Energy Report is recoverable over a 1 year period. All other Residential EE programs are recoverable over 10 years

Please note: Exhibit may not foot due to rounding.

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 EMF Adjustment Summary
 January 2018 - December 2018

Line	Description	Residential				General Service				Lighting				Totals			
		DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total
1	Test Period DSM/EE Rate Billings ¹ <i>Amounts from Miller Exhibit 4</i>	\$ 17,729,490	\$ 18,022,227	\$ 63,559,093	\$ 99,310,811	\$ 5,663,182	\$ 10,628,046	\$ 46,092,363	\$ 62,383,592	\$ -	\$ 361,531	\$ -	\$ 361,531	\$ 23,392,672	\$ 29,011,804	\$ 109,651,457	\$ 162,055,933
2	Less: Uncollectible Allowance in Rates ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Over or (Under) collection of Uncollectibles ³	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	True up of Vintage 2016 PPI ⁴ <i>Amounts from Evans Exhibit 1 page 3</i>	-		(2,265)	(2,265)	-		-	-			-	-			(2,265)	(2,265)
5	True up of Vintage 2017 PPI ⁵ <i>Amounts from Evans Exhibit 1 page 5</i>	8,452		(9,016)	(564)	0		138,845	138,845					8,452		129,829	138,281
6	True up of Vintage 2016 Lost Revenue through Year 2017 ⁶ <i>Amounts from Evans Exhibit 2 page 3 -4</i>			(44,890)	(44,890)			0	0							(44,890)	(44,890)
7	True up of Vintage 2017 Lost Revenue through Year 2017 ⁷ <i>Amounts from Evans Exhibit 2 page 3 -4</i>			(8,042)	(8,042)			\$ (13,296)	(13,296)							(21,338)	(21,338)
8	Interest on Overcollections/(Undercollections) ⁸ <i>Amounts from Miller Exhibit 3</i>	-	-	612,460	612,460	136,801	-	(257,135)	(120,333)	-	935	-	935	136,801	935	355,325	493,061
9	Net Adjustments to DSM/EE EMF Clause <i>Lines 1 through 8</i>	\$ 17,737,942	\$ 18,022,227	\$ 64,107,341	\$ 99,867,511	\$ 5,799,983	\$ 10,628,046	\$ 45,960,778	\$ 62,388,808	\$ -	\$ 362,466	\$ -	\$ 362,466	\$ 23,537,926	\$ 29,012,739	\$ 110,068,119	\$ 162,618,784
		<i>Miller Exhibit 2 page 5</i>				<i>To Miller Exhibit 2 page 5</i>				<i>To Miller Exhibit 2 page 4 & Miller Exhibit 2 page 5</i>				<i>To Miller Exhibit 2 page 4</i>			
		\$82,129,569				\$56,588,824				\$139,080,858							
		<i>To Miller Exhibit 2 page 4</i>				<i>To Miller Exhibit 2 page 4</i>								<i>To Miller Exhibit 2 page 4</i>			

¹ Actual DSM/EE Rate billings for test period (January 2018 through December 2018) .
² The Company is not requesting an adjustment for uncollectibles in this proceeding.
³ The Company is not requesting an adjustment for uncollectibles in this proceeding.
⁴ See Evans Exhibit 1 page 3 for a detail list of Vintage 2016 programs impacted by EM&V true-ups
⁵ See Evans Exhibit 1 page 5 for a detail list of Vintage 2017 programs impacted by EM&V true-ups
⁶ See Evans Exhibit 2 page 5 for a detail list of Vintage 2016 programs impacted by EM&V true-ups
⁷ See Evans Exhibit 2 page 5 for a detail list of Vintage 2017 programs impacted by EM&V true-ups
⁸ Calculated interest obligation associated with test period (January 1, 2018 through December 31, 2018).

Please note: Exhibit may not foot due to rounding.

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 2018 Actual Revenues

Rate Period	DSM	DSDR	EE	Total
Residential	\$ 17,729,490	\$ 18,022,227	\$ 63,559,093	\$ 99,310,811
General Service	5,663,182	10,628,046	46,092,363	62,383,592
Lighting		361,531		361,531
Total	<u>\$ 23,392,672</u>	<u>\$ 29,011,804</u>	<u>\$ 109,651,457</u>	<u>\$ 162,055,933</u>
EMF				
Residential	\$ 776,002	\$ (86,437)	\$ 3,398,058	\$ 4,087,623
General Service	(1,582,882)	(251,603)	1,285,046	(549,439)
Lighting		(3,176)		(3,176)
Total	<u>\$ (806,879)</u>	<u>\$ (341,217)</u>	<u>\$ 4,683,104</u>	<u>\$ 3,535,008</u>

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 Allocation Factor Summary through test year 2015

					DSM		EE	
					NC	SC	NC	SC
A. Allocation Factors								
1	May-08	to	Apr-09	<i>Calendar 2007 Analysis</i> ¹	86.73%	13.27%	84.81%	15.19%
1	May-09	to	Apr-10	<i>Calendar 2008 Analysis</i> ¹	86.16%	13.84%	85.06%	14.94%
2	May-10	to	Apr-11	<i>Calendar 2009 Analysis</i> ²	85.89%	14.11%	85.41%	14.59%
3	May-11	to	Apr-12	<i>Calendar 2010 Analysis</i> ³	86.49%	13.51%	85.53%	14.47%
4	May-12	to	Apr-13	<i>Calendar 2011 Analysis</i> ⁴	86.63%	13.37%	85.92%	14.08%
5	May-13	to	Apr-14	<i>Calendar 2012 Analysis</i> ⁵	86.47%	13.53%	86.06%	13.94%
6	May-14	to	Apr-15	<i>Calendar 2013 Analysis</i> ⁶	85.68%	14.32%	85.57%	14.43%
7	May-15	to	Apr-16	<i>Calendar 2014 Analysis</i> ⁷	86.23%	13.77%	85.15%	14.85%
B. Custom Period Factors								
<i>Test Period</i> ⁴								
8	Apr-10	to	Mar-11	<i>Line 1 x $\frac{1}{12}$ + Line 2 x $11 x \frac{1}{12}$</i>	85.91%	14.09%	85.38%	14.62%
<i>Prospective Period</i> ⁴								
9	Apr-11	to	Jul-11	<i>Line 2 x $\frac{1}{4}$ + Line 3 x $\frac{3}{8}$</i>	86.34%	13.66%	85.50%	14.50%
<i>Rate Period</i> ⁴								
10	Dec-11	to	Nov-12	<i>Line 3</i>	86.49%	13.51%	85.53%	14.47%
<i>Calendar Year 2010</i> ⁸								
11	Jan-10	to	Dec-10	<i>Line 1 x $\frac{1}{3}$ + Line 2 x $\frac{2}{3}$</i>	85.98%	14.02%	85.29%	14.71%
<i>Calendar Year 2011</i> ⁸								
12	Jan-11	to	Dec-11	<i>Line 2 x $\frac{1}{3}$ + Line 3 x $\frac{2}{3}$</i>	86.29%	13.71%	85.49%	14.51%
<i>Calendar Year 2012</i> ⁸								
13	Jan-12	to	Dec-12	<i>Line 3 x $\frac{1}{3}$ + Line 4 x $\frac{2}{3}$</i>	86.58%	13.42%	85.79%	14.21%
<i>Calendar Year 2013</i> ⁸								
14	Jan-13	to	Dec-13	<i>Line 4 x $\frac{1}{3}$ + Line 5 x $\frac{2}{3}$</i>	86.52%	13.48%	86.01%	13.99%
<i>Calendar Year 2014</i> ⁸								
15	Jan-14	to	Dec-14	<i>Line 5 x $\frac{1}{3}$ + Line 6 x $\frac{2}{3}$</i>	85.94%	14.06%	85.73%	14.27%
<i>Calendar Year 2015</i> ⁸								
16	Jan-15	to	Dec-15	<i>Line 6 x $\frac{1}{3}$ + Line 7 x $\frac{2}{3}$</i>	86.05%	13.95%	85.29%	14.71%

Notes:

- ¹ Allocation Factors values from Docket No. E-2, Sub 951
- ² Allocation Factors values from Docket No. E-2, Sub 977
- ³ Allocation Factors values from Docket No. E-2, Sub 1002
- ⁴ Allocation Factors values from Docket No. E-2, Sub 1019
- ⁵ Allocation Factors values from Docket No. E-2, Sub 1030
- ⁶ Allocation Factors values from Docket No. E-2, Sub 1044
- ⁷ Allocation Factors values from Docket No. E-2, Sub 1070
- ⁸ Employed in the allocation of Utility Cost Test (UCT) results for PPI determination.

Duke Energy Progress, LLC
 Docket No. E-2, Sub 1206
 Allocation Factor For Year 2016
 Allocation Factors from 2016 Filed Cost of Service Study

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		<u>MWh</u>			
Sales Allocator at Generation					
1	NC Retail MWh Sales Allocation	Company Records	38,844,804		
2	SC Retail MWh Sales Allocation	Company Records	6,620,461		
3	Total Retail	Line 1 + Line 2	45,465,264		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	85.4384204%		
Demand Allocators (kW)			<u>NC</u>	<u>SC</u>	<u>Total</u>
5	Residential	Company Records	3,530,456	484,305	4,014,761
6	Non Residential	Company Records	4,003,521	724,998	4,728,519
7	Total	Line 5 + Line 6	7,533,977	1,209,303	8,743,280
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	86.1687719%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	40.3790797%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	45.7896922%		
Allocation 4 NC res vs non-res Peak Demand					
11	NC Residential	Line 5 NC / Line 7 NC	46.8604563%		
12	NC Non-residential	Line 6 NC / Line 7 NC	53.1395437%		

Duke Energy Progress, LLC
 Docket No. E-2, Sub 1206
 Allocation Factor For Year 2017
 Allocation Factors from 2017 Filed Cost of Service Study

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		MWh			
Sales Allocator at Generation					
1	NC Retail MWh Sales Allocation	Company Records	38,923,501		
2	SC Retail MWh Sales Allocation	Company Records	6,596,650		
3	Total Retail	Line 1 + Line 2	45,520,150		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	85.5082864%		
Demand Allocators (kW)					
			NC	SC	Total
5	Residential	Company Records	3,743,750	509,212	4,252,962
6	Non Residential	Company Records	4,012,019	736,825	4,748,844
7	Total	Line 5 + Line 6	7,755,769	1,246,037	9,001,806
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	86.1579245%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC / Line 7 Total	41.5888790%		
10	NC Non-residential	Line 6 NC / Line 7 Total	44.5690455%		
Allocation 4 NC res vs non-res Peak Demand					
11	NC Residential	Line 5 NC / Line 7 NC	48.2705209%		
12	NC Non-residential	Line 6 NC / Line 7 NC	51.7294791%		

NOTE: These allocation factors are used for Vintage 2017 based on the Cost of Service Study filed in May 2017.

Duke Energy Progress, LLC
 Docket No. E-2, Sub 1206
 Allocation Factor For Year 2018 and 2019
 Estimated Allocation Factor For Year 2020
 Allocation Factors from 2018 Filed Cost of Service Study

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			MWh		
Sales Allocator at Generation					
1	NC Retail MWh Sales Allocation	Company Records	38,153,842		
2	SC Retail MWh Sales Allocation	Company Records	6,438,789		
3	Total Retail	Line 1 + Line 2	44,592,631		
 Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	85.5608674%		
 Demand Allocators (kW)					
			NC	SC	Total
5	Residential	Company Records	3,699,632	487,425	4,187,058
6	Non Residential	Company Records	3,915,717	698,002	4,613,719
7	Total	Line 5 + Line 6	7,615,350	1,185,427	8,800,777
 Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	86.5304240%		
 Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC / Line 7 Total	42.0375642%		
10	NC Non-residential	Line 6 NC / Line 7 Total	44.4928598%		
 Allocation 4 NC res vs non-res Peak Demand					
11	NC Residential	Line 5 NC / Line 7 NC	48.5812530%		
12	NC Non-residential	Line 6 NC / Line 7 NC	51.4187470%		

NOTE: These allocation factors are used for vintages 2018-2020 based on the most recently filed Cost of Service Study (May 2018). Please also note that a cost of service study was not filed before the Rider 11 filing date in 2019.

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 Energy Allocation Factors - Applicable to EE Program Costs

North Carolina Rate Class Energy Allocation Factors

Rate Class	Total NC Rate Class Sales (MWh) ⁽¹⁾	Opt-Out Sales ⁽²⁾	Adjusted NC Rate Class MWh Sales	Rate Class Energy Allocation Factor
	(1)	(2)	(3) = (1) - (2)	(4) = (3) / NC Total in Column 3
Residential	16,011,833	-	16,011,833	61.51%
General Service	21,405,950	(11,748,716)	9,657,234	37.10%
Lighting	376,561	(16,466)	360,096	1.38%
NC Retail	37,794,345	(11,765,182)	26,029,163	100.00%

NOTES:

- (1) Total NC Rate Class Sales (MWh) are for the forecasted year ending December 2020.
- (2) Opt-Out sales are provided in Miller Exhibit 6. Since sales are not forecasted by individual customer, historic opt-out sales are assumed to be unchanged during the rate recovery period.

DUKE ENERGY PROGRESS, LLC
 Docket No. E-2, Sub 1206
 Demand Allocation Factors - Applicable to DSM Programs

North Carolina Rate Class Demand Allocation Factors

Rate Class	Total NC Rate Class Sales ⁽¹⁾ (1)	Sales Subject to Opt-Out ⁽²⁾ (2)	Rate Class Demand ⁽³⁾ (3)	Revised Rate Class Demand (4) = ((1 - 2) / 1) * 3	Rate Class Allocation Factor (5) = (4)/Total of Column 4
Residential	16,011,833	-	3,699,632	3,699,632	67.91%
General Service	21,405,950	(11,850,797)	3,915,717	1,747,891	32.09%
Lighting	376,561	(17,203)	0	0	0.00%
NC Retail	37,794,345	(11,868,000)	7,615,350	5,447,524	100.00%

NOTES:

- (1) Total NC Rate Class Sales (MWh) are for the forecasted year ended December 2020.
- (2) Opt-Out sales are provided in Miller Exhibit 6. Since sales are not forecasted by individual customer, historic opt-out sales are assumed to be unchanged during the rate recovery period.
- (3) The Coincident Peak ("CP") demands are based on the 2017 CP occurring on July 13 during the hour ended at 1700 EDT. This is the latest Cost of Service information filed at the time of the due date for the Rider 11 filing.

Miller Exhibit 5 page 7 of 7

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1206
Determination of Lighting Allocation Factors

January through December 2018

		<u>Bulb %s</u>	<u>Allocation Factors</u>
1	Residential	81.70% <i>Per M&V</i>	89.19% <i>Lines 1 / (1 + 2)</i>
2	General Service	9.90% <i>Per M&V</i>	10.81% <i>Lines 2 / (1 + 2)</i>
3	Leakage	<u>8.40%</u> <i>Per M&V</i>	<u>0.00%</u> -NA-
4	Totals	100.00% Σ <i>Lines 1 thru 3</i>	100.00% Σ <i>Lines 1 thru 3</i>

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Oct 11 2022

Duke Energy Progress, LLC
 Docket No. E-2, Sub 1206
 Forecasted 2020 kWh Sales

Spring 2019 Sales Forecast - kWh		Total 2020		
North Carolina Retail:				
Line				
1	Residential	16,011,833,010		
2	Non-Residential	21,405,950,172		
3	Lighting	376,561,430		
4	Total Retail	<u><u>37,794,344,612</u></u>		
Non-Residential		Gross kWh	Opt-outs	Net kWh
5	Energy Efficiency	21,405,950,172	(11,748,716,255)	9,657,233,917
6	DSM	21,405,950,172	(11,850,797,144)	9,555,153,028
7	Lighting - EE	376,561,430	(16,465,818)	360,095,612
8	Lighting - DSM	376,561,430	(17,203,232)	359,358,198

¹ Actual Opt-Out volumes for the twelve-months ending December 31, 2018.

Duke Energy Progress
 Evans Exhibit 1, page X
 Vintage 2016 True Up - January 1, 2016 to December 31, 2016
 Docket Number E-2, Sub 1206
 Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H			
				=(A-B)*C	=(B+D)			=O (from page 2)			
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement ⁽²⁾	NC Residential Adjusted Revenue Requirement	
Residential Programs											
EE Programs											
1 Appliance Recycling Program	27	206,569	\$ 76,177	\$ (137,009)	11.75%	\$ 25,049	\$ (111,960)	85.4384204%	E1 * F1 \$ (95,657)	\$ -	
2 Energy Education Program for Schools	1,081	2,553,617	\$ 1,693,087	\$ 827,497	0.00%	\$ -	\$ 827,497	85.4384204%	E2 * F2 \$ 707,000	\$ -	
3 Energy Efficient Lighting	6,006	41,649,479	\$ 33,998,827	\$ 15,552,184	11.75%	\$ 2,167,481	\$ 17,719,665	85.4384204%	E3 * F3 \$ 15,139,401	\$ -	
4 Home Energy Improvement Program	1,904	6,289,383	\$ 6,991,588	\$ 6,013,170	11.75%	\$ 114,976	\$ 6,128,146	85.4384204%	E4 * F4 \$ 5,235,791	\$ -	
5 Multi-Family	1,480	12,462,490	\$ 7,155,924	\$ 2,045,220	11.75%	\$ 600,508	\$ 2,645,727	85.4384204%	E5 * F5 \$ 2,260,468	\$ -	
6 Neighborhood Energy Saver	304	1,992,091	\$ 1,167,680	\$ 2,052,535	0.00%	\$ -	\$ 2,052,535	85.4384204%	E6 * F6 \$ 1,753,654	\$ -	
7 Residential Energy Assessments	716	5,942,895	\$ 4,853,362	\$ 1,417,924	11.75%	\$ 403,664	\$ 1,821,588	85.4384204%	E7 * F7 \$ 1,556,336	\$ (29,272)	
8 Residential New Construction	4,359	9,954,835	\$ 19,280,066	\$ 9,405,615	11.75%	\$ 1,160,248	\$ 10,565,863	85.4384204%	E7 * F7 \$ 9,027,307	\$ 27,008	
9 Save Energy and Water Kit	5,914	17,671,857	\$ 13,873,513	\$ 674,538	11.75%	\$ 1,550,880	\$ 2,225,418	85.4384204%	E8 * F8 \$ 1,901,362	\$ -	
10 Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.4384204%	\$ -	\$ -	
11 Total for Residential Conservation Programs	21,790	98,723,216	\$ 89,090,325	\$ 37,851,674		\$ 6,022,805	\$ 43,874,479		\$ 37,485,662	\$ (2,265)	
12 My Home Energy Report	16,905	102,921,181	\$ 7,524,461	\$ 5,890,093	11.75%	\$ 192,038	\$ 6,082,131	85.4384204%	E11 * F11 \$ 5,196,477	\$ -	
13 Total Residential Conservation and Behavioral Programs	38,695	201,644,397	\$ 96,614,785	\$ 43,741,767		\$ 6,214,843	\$ 49,956,610		\$ 42,682,139	\$ (2,265)	
NC Residential Peak Demand Allocation Factor (2)											
14 EnergyWise	34,059	-	\$ 70,854,171	\$ 6,887,758	11.75%	\$ 7,516,054	\$ 14,403,811	86.1687719%	46.8604563%	\$ 6,220,487	\$ -
15 Total Residential	72,754	201,644,397	\$ 167,468,956	\$ 50,629,524		\$ 13,730,897	\$ 64,360,421		\$ 48,902,626	\$ (2,265)	
Non-Residential Programs											
EE Programs											
15 Business Energy Report	740	4,546,814	\$ 309,365	\$ 69,516		\$ -	\$ 69,516	85.4384204%	E13 * F13 \$ 59,393	\$ -	
16 Energy Efficiency for Business	10,201	71,154,719	\$ 47,824,935	\$ 14,159,310	11.75%	\$ 3,955,711	\$ 18,115,021	85.4384204%	E14 * F14 \$ 15,477,188	\$ -	
17 Energy Efficient Lighting	2,818	12,180,303	\$ 10,884,259	\$ 1,899,694	11.75%	\$ 1,056,861	\$ 2,946,556	85.4384204%	E16 * F16 \$ 2,517,491	\$ -	
18 Small Business Energy Saver	8,675	49,979,294	\$ 32,988,897	\$ 9,386,274	11.75%	\$ 2,779,183	\$ 12,115,457	85.4384204%	E17 * F17 \$ 10,351,255	\$ -	
19 Total for Non-Residential Conservation Programs	22,434	137,861,130	\$ 92,007,456	\$ 25,454,794		\$ 7,791,755	\$ 33,246,550		\$ 28,405,327	\$ -	
20 EnergyWise for Business	523	412,047	\$ 164,696	\$ 1,112,815	11.75%	\$ (111,404)	\$ 1,001,411	86.1687719%	E19 * F19 \$ 7,054,004	\$ -	
21 Commercial, Industrial, & Governmental Demand Respor	(5,344)	-	\$ (10,684,733)	\$ -	11.75%	\$ -	\$ -	86.1687719%	E20 * F20 \$ -	\$ -	
22 Total for Non-Residential DSM Programs	(4,821)	412,047	\$ (10,520,037)	\$ 1,112,815		\$ (111,404)	\$ 1,001,411	86.1687719%	NC Allocation Factor (2) \$ 7,054,004	\$ -	
23 Total Non Residential	17,613	138,273,177	\$ 81,487,419	\$ 26,567,609		\$ 7,680,352	\$ 34,247,961		\$ 35,459,331	\$ -	
24 Total All Programs	90,366	339,917,574	\$ 248,956,374	\$ 77,197,134		\$ 21,411,248	\$ 98,608,382		\$ 84,361,957	\$ (2,265)	
(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages											
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak											
24 DSDR	281,372	33,941,086		7,944,728			\$ 7,944,728				
25 Total with DSDR	371,738	373,858,660	\$ 248,956,374	\$ 85,141,861		\$ 21,411,248	\$ 106,551,110		\$ 84,361,957	\$ (2,265)	

Duke Energy Progress
 Evans Exhibit 1, page 8
 Vintage 2016 True Up - January 1, 2016 to December 31, 2016
 Docket Number E-2, Sub 1206
 Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H	I	v2016 PPI True-Up						P	K										
										J	K	L	M	N	O												
			-A*B	-A*C			-(H*(E,F,D))	-I*B	new	old	-J	-L	-M*K	-N*L*E	-O*M*N	-K											
	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2016 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	Original Vintage 2016 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection	Carrying Costs	PPI Over/(Under) Collection w/CCost	1 Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	PPI Values for Test Period			
Residential Programs																											
EE Programs																											
1	Appliance Recycling Program	\$ 21,402	37.61%	\$ (8,049)	\$ 13,353	6.75%	10	\$ 1,879	62.39%	\$ 3,011	\$ 3,011	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 116,821	\$ -	\$ 28,547	\$ 20,592	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 119,833	
2	Energy Education Program for Schools	\$ 1,851,861	37.61%	\$ (696,487)	\$ 1,155,374	6.75%	N/A	\$ 279,872	62.39%	\$ 448,586	\$ 448,586	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 2,844,679	\$ -	\$ 546,425	\$ 309,670	\$ 621,854	\$ 636,857	\$ 397,825	\$ 332,048	\$ 3,293,264	
3	Energy Efficient Lighting	\$ 98,234	37.61%	\$ (36,946)	\$ 61,288	6.75%	10	\$ 8,624	62.39%	\$ 13,823	\$ 13,823	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 350,089	\$ 10,405	\$ 75,357	\$ 116,481	\$ 108,864	\$ 0	\$ 14,647	\$ 24,334	\$ 363,911	
5	Multi-Family	\$ 513,064	37.61%	\$ (192,964)	\$ 320,100	6.75%	5	\$ 77,539	62.39%	\$ 124,282	\$ 124,282	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 393,329	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 393,329	
6	Neighborhood Energy Saver	\$ -	37.61%	\$ -	\$ -	6.75%	N/A	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7	Residential Energy Assessments	\$ 344,884	37.61%	\$ (129,711)	\$ 215,173	6.75%	5	\$ 52,122	62.39%	\$ 83,543	\$ 56,121	\$ (27,422)	1	\$ (27,422)	\$ (1,850)	\$ (29,272)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8	Residential New Construction	\$ 991,298	37.61%	\$ (372,838)	\$ 618,470	6.75%	10	\$ 87,026	62.39%	\$ 139,487	\$ 164,787	\$ 25,301	1	\$ 25,301	\$ 1,707	\$ 27,008	\$ 174,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	
9	Save Energy and Water Kit	\$ 1,325,047	37.61%	\$ (498,352)	\$ 826,696	6.75%	5	\$ 200,255	62.39%	\$ 320,973	\$ 320,973	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,973	
10	Residential Home Advantage	\$ -	37.61%	\$ -	\$ -	6.75%	10	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 376,476	\$ 8,018	\$ 27,550	\$ 79,940	\$ 60,450	\$ 517	\$ -	\$ -	\$ 376,476	
11	Total for Residential Conservation Programs	\$ 5,145,789		\$ (1,935,337)	\$ 3,210,453			\$ 707,317	\$ 1,133,704	\$ 1,131,583	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 3,856,042	\$ 18,424	\$ 677,879	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ -	\$ 4,989,746		
12	My Home Energy Report	\$ 164,074	37.61%	\$ (61,709)	\$ 102,366	6.75%	1	\$ 102,366	62.39%	\$ 164,074	\$ 164,074	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 164,074
13	Total Residential Conservation and Behavioral Program	\$ 5,309,864		\$ (1,997,045)	\$ 3,312,819			\$ 809,683	\$ 1,297,778	\$ 1,295,657	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 3,856,042	\$ 18,424	\$ 677,879	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ -	\$ 5,153,820		
14	EnergyWise	\$ 6,476,491	37.61%	\$ (2,435,815)	\$ 4,040,676	6.75%	10	\$ 568,568	62.39%	\$ 911,314	\$ 911,314	\$ -	1	\$ -	\$ -	\$ -	\$ 3,243,883	\$ 135,141	\$ 1,043,048	\$ 781,456	\$ 347,959	\$ 301,384	\$ 369,522	\$ 265,373	\$ 4,155,197		
15	Total Residential	\$ 11,786,355		\$ (4,432,860)	\$ 7,353,495			\$ 1,378,251	\$ 2,209,092	\$ 2,206,971	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 7,099,925	\$ 153,564	\$ 1,720,927	\$ 1,308,140	\$ 1,177,773	\$ 1,001,450	\$ 844,237	\$ 891,833	\$ -	\$ 9,309,017		
Non-Residential Programs																											
EE Programs																											
15	Business Energy Report	\$ -	37.61%	\$ -	\$ -	6.75%	1	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
16	Energy Efficiency for Business	\$ 3,379,697	37.61%	\$ (1,271,107)	\$ 2,108,590	6.75%	3	\$ 799,757	62.39%	\$ 1,281,869	\$ 1,281,869	\$ -	1	\$ -	\$ -	\$ -	\$ 3,481,402	\$ 169,910	\$ 452,376	\$ 649,907	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ 4,763,272		
17	Energy Efficient Lighting	\$ 902,966	37.61%	\$ (339,606)	\$ 563,360	6.75%	5	\$ 116,465	62.39%	\$ 188,730	\$ 188,730	\$ -	1	\$ -	\$ -	\$ -	\$ 803,120	\$ -	\$ 134,853	\$ 74,572	\$ 153,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ 1,021,849		
18	Small Business Energy Saver	\$ 2,374,490	37.61%	\$ (893,048)	\$ 1,481,442	6.75%	3	\$ 561,889	62.39%	\$ 900,609	\$ 900,609	\$ -	1	\$ -	\$ -	\$ -	\$ 539,082	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ 1,439,692	
19	Total for Non-Residential Conservation Programs	\$ 6,657,153		\$ (2,503,762)	\$ 4,153,391			\$ 1,498,112	\$ 2,401,209	\$ 2,401,209	\$ -		\$ -	\$ -	\$ -	\$ 4,823,604	\$ 169,910	\$ 587,229	\$ 724,479	\$ 875,773	\$ 931,159	\$ 722,394	\$ 762,661	\$ -	\$ 7,224,812		
20	EnergyWise for Business	\$ (95,995)	37.61%	\$ 36,104	\$ (59,891)	6.75%	1	\$ (63,932)	62.39%	\$ (102,471)	\$ (102,471)	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (102,471)	
21	Commercial, Industrial, & Governmental Demand Resp	\$ -	37.61%	\$ -	\$ -	6.75%	3	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ 150,959		
22	Total for Non-Residential DSM Programs	\$ (95,995)		\$ 36,104	\$ (59,891)			\$ (63,932)	\$ (102,471)	\$ (102,471)	\$ -		\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 48,488		
23	Total Non Residential	\$ 6,561,157		\$ (2,467,658)	\$ 4,093,500			\$ 1,434,180	\$ 2,298,737	\$ 2,298,737	\$ -		\$ -	\$ -	\$ -	\$ 4,974,563	\$ 169,910	\$ 652,951	\$ 742,134	\$ 904,088	\$ 940,873	\$ 797,533	\$ 767,075	\$ -	\$ 7,273,300		
24	Total All Programs	\$ 18,347,512		\$ (6,900,518)	\$ 11,446,995			\$ 2,812,430	\$ 4,507,830	\$ 4,505,708	\$ (2,121)		\$ (2,121)	\$ (143)	\$ (2,265)	\$ 12,074,488	\$ 323,474	\$ 2,373,878	\$ 2,050,273	\$ 2,081,861	\$ 1,944,323	\$ 1,641,770	\$ 1,658,908	\$ -	\$ 16,582,318		

(1) Energy Efficient Benchmarking impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage
 (2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system pea

Duke Energy Progress
 Evans Exhibit 1, page X
 Vintage 2017 True Up - January 1, 2017 to December 31, 2017
 Docket Number E-2, Sub 1206
 Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H			
				=(A-B)*C	=(B+D)			=(K (from page 2))			
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement ⁽²⁾	NC Residential Adjusted Revenue Requirement	
Residential Programs											
EE Programs											
1 Appliance Recycling Program	-	-	\$ -	\$ 5,586	11.75%	\$ (656)	\$ 4,930	85.5082864%	E1 * F1	\$ 4,215	\$ -
2 Energy Education Program for Schools	996	2,353,765	\$ 1,376,442	\$ 835,991	0.00%	\$ -	\$ 835,991	85.5082864%	E2 * F2	\$ 714,841	\$ -
3 Energy Efficient Lighting	4,798	29,678,583	\$ 30,351,056	\$ 10,904,279	11.75%	\$ 2,284,996	\$ 13,189,275	85.5082864%	E3 * F3	\$ 11,277,923	\$ (26,349)
4 Home Energy Improvement Program	1,975	7,357,330	\$ 6,313,442	\$ 6,961,463	11.75%	\$ (76,142)	\$ 6,885,320	85.5082864%	E4 * F4	\$ 5,887,519	\$ 9
5 Multi-Family	2,052	16,150,639	\$ 10,163,052	\$ 2,514,413	11.75%	\$ 898,715	\$ 3,413,128	85.5082864%	E5 * F5	\$ 2,918,508	\$ 1,926
6 Neighborhood Energy Saver	335	2,200,240	\$ 1,117,743	\$ 1,781,211	0.00%	\$ -	\$ 1,781,211	85.5082864%	E6 * F6	\$ 1,523,083	\$ -
7 Residential Energy Assessments	933	7,734,231	\$ 5,512,365	\$ 1,863,486	11.75%	\$ 428,743	\$ 2,292,229	85.5082864%	E7 * F7	\$ 1,960,046	\$ (31,407)
8 Residential New Construction	5,266	12,245,876	\$ 21,481,837	\$ 11,671,724	11.75%	\$ 1,152,688	\$ 12,824,412	85.5082864%	E7 * F7	\$ 10,965,935	\$ 46,805
9 Save Energy and Water Kit	8,377	25,021,451	\$ 17,187,186	\$ 888,869	11.75%	\$ 1,915,052	\$ 2,803,921	85.5082864%	E8 * F8	\$ 2,397,585	\$ -
10 Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.5082864%		\$ -	\$ -
11 Total for Residential Conservation Programs	24,733	102,742,114	\$ 93,503,123	\$ 37,427,021		\$ 6,603,396	\$ 44,030,417			\$ 37,649,655	\$ (9,016)
12 My Home Energy Report	19,964	117,851,515	\$ 6,972,509	\$ 6,753,153	11.75%	\$ 25,774	\$ 6,778,928	85.5082864%	E11 * F11	\$ 5,796,545	\$ -
13 Total Residential Conservation and Behavioral Programs	44,696	220,593,629	\$ 100,475,632	\$ 44,180,174		\$ 6,629,171	\$ 50,809,345			\$ 43,446,200	\$ (9,016)
NC Residential Peak Demand Allocation Factor											
14 EnergyWise	33,428	-	\$ 62,410,503	\$ 6,502,032	11.75%	\$ 6,569,245	\$ 13,071,277	86.1579245%	NC Allocation Factor (2)	\$ 6,673,593	\$ 8,452
15 Total Residential	78,124	220,593,629	\$ 162,886,135	\$ 50,682,206		\$ 13,198,416	\$ 63,880,622	48.2705209%		\$ 50,119,793	\$ (564)
Non-Residential Programs											
EE Programs											
16 Business Energy Report	-	-	\$ 737	\$ 20,330		\$ -	\$ 20,330	85.5082864%	E13 * F13	\$ 17,384	\$ -
17 Energy Efficiency for Business	17,038	103,365,897	\$ 77,891,372	\$ 21,749,807	11.75%	\$ 6,596,634	\$ 28,346,441	85.5082864%	E14 * F14	\$ 24,238,556	\$ 43,892
18 Energy Efficient Lighting	2,024	7,872,565	\$ 9,198,437	\$ 1,324,943	11.75%	\$ 925,136	\$ 2,250,078	85.5082864%	E16 * F16	\$ 1,924,003	\$ (8)
19 Non-Res SmartSaver Performance	58	435,108	\$ 335,899	\$ 147,160	11.75%	\$ 22,177	\$ 169,337	85.5082864%	E17 * F17	\$ 144,797	\$ -
20 Small Business Energy Saver	8,500	45,011,098	\$ 26,945,514	\$ 8,770,755	11.75%	\$ 2,135,534	\$ 10,906,290	85.5082864%	E18 * F18	\$ 9,325,781	\$ 94,962
21 Total for Non-Residential Conservation Programs	27,620	156,684,668	\$ 114,371,959	\$ 32,012,995		\$ 9,679,480	\$ 41,692,475			\$ 35,650,521	\$ 138,845
22 EnergyWise for Business	2,887	983,712	\$ 858,655	\$ 1,390,549	11.75%	\$ (62,498)	\$ 1,328,052	86.1579245%	E19 * F19	\$ -	\$ -
23 Commercial, Industrial, & Governmental Demand Response	1,969	-	\$ 3,551,967	\$ 1,393,650	11.75%	\$ 253,602	\$ 1,647,252	86.1579245%	E20 * F20	\$ 7,151,808	\$ -
24 Total for Non-Residential DSM Programs	4,855	983,712	\$ 4,410,622	\$ 2,784,199		\$ 191,105	\$ 2,975,304	86.1579245%	NC Allocation Factor (2)	\$ 7,151,808	\$ -
25 Total Non Residential	32,475	157,668,380	\$ 118,782,581	\$ 34,797,195		\$ 9,870,585	\$ 44,667,780	51.7294791%		\$ 42,802,329	\$ 138,845
26 Total All Programs	110,600	378,262,008	\$ 281,668,716	\$ 85,479,401		\$ 23,069,001	\$ 108,548,402			\$ 92,922,123	\$ 138,281
(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages											
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak											
24 DSOR	293,816	35,518,685		\$ 11,146,179			\$ 11,146,179				
25 Total with DSOR	404,416	413,780,693	\$ 281,668,716	\$ 96,625,580		\$ 23,069,001	\$ 119,694,581			\$ 92,922,123	\$ 138,281

v2017 mechanism allows negative PPI

Duke Energy Progress
 Events Exhibit 2, page 9
 Vintage 2017 True Up - January 1, 2017 to December 31, 2017
 Docket Number E-2, Sub 1294
 Load Impacts and Estimated Revenue Requirements by Program

A	B	C	D	E	F	G	H	I	2017 PPI True-Up						P	K										
									J	K	L	M	N	O												
NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2017 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	Original Vintage 2017 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection	Carrying Costs	PPI Over/(Under) Collection w/CCost	P Prior Period PPI	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	PPI Values for Test Period		
																PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI			
Residential Programs																										
EE Programs																										
1 Appliance Recycling Program	\$ (561)	\$ 37,006	\$ 208	\$ (353)	6.76%	10	\$ (50)	\$ 62,949	\$ (79)	\$ -	1	\$ -	\$ -	\$ -	\$ 119,833	\$ -	\$ 28,547	\$ 20,592	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 3,011	\$ 119,754		
2 Energy Education Program for Schools	\$ -	\$ 37,006	\$ -	\$ -	6.76%	N/A	\$ -	\$ 62,949	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
3 Energy Efficient Lighting	\$ 1,913,861	\$ 37,006	\$ (724,611)	\$ 1,229,760	6.76%	5	\$ 297,385	\$ 62,949	\$ 473,444	\$ 448,763	\$ (24,681)	1	\$ (24,681)	\$ (1,668)	\$ (26,949)	\$ 3,293,244	\$ -	\$ 546,425	\$ 309,670	\$ 421,854	\$ 636,857	\$ 397,825	\$ 332,048	\$ 448,588	\$ 3,760,708	
4 Home Energy Improvement Program	\$ (65,108)	\$ 37,006	\$ 24,129	\$ (40,979)	6.76%	10	\$ (5,769)	\$ 62,949	\$ (9,166)	\$ (9,155)	9	\$ 9	\$ 9	\$ 9	\$ 363,911	\$ 10,405	\$ 76,387	\$ 116,483	\$ 108,864	\$ 0	\$ 14,647	\$ 24,334	\$ 13,823	\$ 354,745		
5 Multi-Family	\$ 768,476	\$ 37,006	\$ (284,797)	\$ 483,679	6.76%	5	\$ 117,201	\$ 62,949	\$ 186,211	\$ 188,015	\$ 1,804	1	\$ 1,804	\$ 122	\$ 1,926	\$ 317,611	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,329	\$ 124,282	\$ 503,822		
6 Neighborhood Energy Saver	\$ -	\$ 37,006	\$ -	\$ -	6.76%	N/A	\$ -	\$ 62,949	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
7 Residential Energy Assessments	\$ 366,611	\$ 37,006	\$ (135,866)	\$ 230,745	6.76%	5	\$ 55,912	\$ 62,949	\$ 88,834	\$ 59,415	\$ (29,419)	1	\$ (29,419)	\$ (1,988)	\$ (31,407)	\$ 83,545	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83,545	\$ 177,377	
8 Residential New Construction	\$ 385,444	\$ 37,006	\$ (365,280)	\$ 620,364	6.76%	10	\$ 87,340	\$ 62,949	\$ 139,767	\$ 182,809	\$ 43,842	1	\$ 43,842	\$ 2,963	\$ 46,805	\$ 314,135	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 139,487	\$ 452,902
9 Save Energy and Water Kits	\$ 1,837,238	\$ 37,006	\$ (606,868)	\$ 1,230,369	6.76%	5	\$ 240,241	\$ 62,949	\$ 395,792	\$ 396,792	\$ -	1	\$ -	\$ -	\$ -	\$ 320,978	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,978	\$ 717,965
10 Residential Home Advantage	\$ -	\$ 37,006	\$ -	\$ -	6.76%	10	\$ -	\$ 62,949	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ 176,476	\$ 8,018	\$ 27,550	\$ 79,940	\$ 60,450	\$ 517	\$ -	\$ -	\$ -	\$ 176,476	
11 Total for Residential Conservation Programs	\$ 5,646,451	\$ 37,006	\$ (2,092,574)	\$ 3,553,877			\$ 802,361	\$ 1,274,903	\$ 1,266,357	\$ (8,446)		\$ (8,446)	\$ (971)	\$ (9,016)	\$ 4,985,746	\$ 18,424	\$ 677,879	\$ 526,684	\$ 429,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ 1,133,704	\$ 6,254,549		
12 My Home Energy Report	\$ 22,039	\$ 37,006	\$ (8,168)	\$ 13,871	6.76%	1	\$ (3,871)	\$ 62,949	\$ 22,039	\$ 22,039	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,039	
13 Total Residential Conservation and Behavioral Programs	\$ 5,668,490	\$ 37,006	\$ (2,100,742)	\$ 3,567,748			\$ 808,253	\$ 1,296,842	\$ 1,288,396	\$ (8,446)		\$ (8,446)	\$ (971)	\$ (9,016)	\$ 4,985,746	\$ 18,424	\$ 677,879	\$ 526,684	\$ 429,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ 1,133,704	\$ 6,276,588		
14 EnergyWise	\$ 6,529,925	\$ 37,006	\$ (2,097,368)	\$ 4,432,557	6.76%	10	\$ 1,036,958	\$ 62,949	\$ 804,768	\$ 7,817	1	\$ (7,817)	\$ (96)	\$ (8,438)	\$ 4,155,197	\$ 135,141	\$ 1,043,648	\$ 781,456	\$ 347,959	\$ 301,384	\$ 392,522	\$ 285,373	\$ 911,314	\$ 4,952,048		
15 Total Residential	\$ 11,324,416	\$ 37,006	\$ (4,196,310)	\$ 7,128,106			\$ 1,117,771	\$ 2,091,651	\$ 2,091,105	\$ (9,591)		\$ (9,591)	\$ (166)	\$ (166)	\$ 5,144,941	\$ 133,564	\$ 1,700,527	\$ 1,369,140	\$ 1,177,773	\$ 1,003,460	\$ 844,237	\$ 891,833	\$ 2,046,018	\$ 11,338,636		
Non-Residential Programs																										
EE Programs																										
16 Business Energy Report	\$ -	\$ 37,006	\$ -	\$ -	6.76%	1	\$ -	\$ 62,949	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
17 Energy Efficiency for Business	\$ 5,640,669	\$ 37,006	\$ (2,090,431)	\$ 3,550,237	6.76%	3	\$ 1,346,844	\$ 62,949	\$ 2,139,886	\$ 2,180,999	\$ 41,113	1	\$ 41,113	\$ 2,778	\$ 43,892	\$ 4,763,272	\$ 169,910	\$ 452,376	\$ 649,907	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ 1,281,869	\$ 6,903,157	
18 Energy Efficient Lighting	\$ 791,068	\$ 37,006	\$ (293,170)	\$ 497,898	6.76%	5	\$ 120,647	\$ 62,949	\$ 191,685	\$ 191,677	\$ (8)	1	\$ (8)	\$ (1)	\$ (8)	\$ 1,021,849	\$ -	\$ 134,853	\$ 74,572	\$ 153,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ 218,730	\$ 1,133,534	
19 Non-Bus SmartCover Performance	\$ 18,667	\$ 37,006	\$ (7,038)	\$ 11,629	6.76%	3	\$ 4,628	\$ 62,949	\$ 7,184	\$ 7,184	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,184	
20 Small Business Energy Saver	\$ 1,836,059	\$ 37,006	\$ (676,737)	\$ 1,159,322	6.76%	3	\$ 436,015	\$ 62,949	\$ 692,747	\$ 761,088	\$ 88,951	1	\$ 88,951	\$ 6,011	\$ 94,962	\$ 1,439,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,321	\$ 241,051	\$ 900,609	
21 Total for Non-Residential Conservation Programs	\$ 8,276,758	\$ 37,006	\$ (3,067,366)	\$ 5,209,392			\$ 1,908,094	\$ 3,031,512	\$ 3,161,968	\$ 130,056		\$ 130,056	\$ 8,789	\$ 138,845	\$ 7,224,812	\$ 169,910	\$ 587,229	\$ 724,478	\$ 875,773	\$ 931,159	\$ 772,394	\$ 762,661	\$ 2,401,209	\$ 10,256,324		
22 EnergyWise for Business	\$ (53,847)	\$ 37,006	\$ 19,956	\$ (33,891)	6.76%	1	\$ (8,181)	\$ 62,949	\$ (57,486)	\$ (57,486)	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (57,486)	
23 Commercial, Industrial, & Governmental Demand Response	\$ 218,498	\$ 37,006	\$ (80,975)	\$ 137,523	6.76%	3	\$ 52,172	\$ 62,949	\$ 82,891	\$ 82,891	\$ -	1	\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 233,820	
24 Total for Non-Residential DSM Programs	\$ 184,651	\$ 37,006	\$ (61,019)	\$ 123,632			\$ 44,000	\$ 75,406	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 236,361		
25 Total All Programs	\$ 19,769,815	\$ 37,006	\$ (7,326,695)	\$ 12,443,120			\$ 1,241,765	\$ 3,161,611	\$ 3,186,973	\$ 129,527		\$ 129,527	\$ 8,793	\$ 138,781	\$ 6,520,715	\$ 333,474	\$ 2,373,878	\$ 2,090,371	\$ 2,081,861	\$ 1,944,121	\$ 1,641,776	\$ 1,638,908	\$ 4,446,227	\$ 21,871,125		

(1) Energy Efficient Benchmarking impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages.
 (2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak.

Duke Energy Progress
 Evans Exhibit 1, page X
 Vintage 2018 True Up - January 1, 2018 to December 31, 2018
 Docket Number E-2, Sub 1206
 Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H			
				=(A-B)*C	=(B+D)			=K (from page 2)			
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement ⁽²⁾	NC Residential Adjusted Revenue Requirement	
Residential Programs											
EE Programs											
1	Appliance Recycling Program	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.5608674%	E1 * F1	\$ -	\$ 119,754
2	Energy Education Program for Schools	766	2,563,019	\$ 1,365,918	0.00%	\$ -	\$ 676,815	85.5608674%	E2 * F2	\$ 579,089	\$ -
3	Energy Efficient Lighting	4,227	25,642,842	\$ 25,551,801	11.75%	\$ 1,973,969	\$ 10,726,031	85.5608674%	E3 * F3	\$ 9,177,285	\$ 4,175,557
4	Residential Service - Smart Saver	1,805	7,228,648	\$ 6,287,655	11.75%	\$ (103,538)	\$ 7,065,295	85.5608674%	E4 * F4	\$ 6,045,127	\$ 342,294
5	Multi-Family	1,744	13,291,652	\$ 8,186,531	11.75%	\$ 678,773	\$ 3,088,515	85.5608674%	E5 * F5	\$ 2,642,560	\$ 619,236
6	Multi-Family PipeWrap EMV Adjustment	-	-	\$ -	-	\$ (103,989)	\$ (103,989)	100.0000000%	E6 * F6	\$ (103,989)	\$ -
7	Neighborhood Energy Saver	347	2,278,804	\$ 1,226,687	0.00%	\$ -	\$ 1,845,739	85.5608674%	E7 * F7	\$ 1,579,230	\$ -
8	Residential Energy Assessments	935	7,751,895	\$ 5,361,656	11.75%	\$ 412,389	\$ 2,264,353	85.5608674%	E8 * F8	\$ 1,937,400	\$ 257,791
9	Residential New Construction	5,440	14,263,235	\$ 22,728,212	11.75%	\$ 1,120,746	\$ 14,310,695	85.5608674%	E9 * F9	\$ 12,244,355	\$ 587,678
10	Save Energy and Water Kit	5,058	15,252,311	\$ 10,187,632	11.75%	\$ 1,100,076	\$ 1,925,355	85.5608674%	E10 * F10	\$ 1,647,351	\$ 945,613
11	Residential Home Advantage	-	-	\$ -	11.75%	\$ -	\$ -	85.5608674%	E11 * F11	\$ -	\$ 176,476
12	Total for Residential Conservation Programs	20,322	88,272,404	\$ 80,896,092	-	\$ 5,078,426	\$ 41,798,809	-	-	\$ 35,748,408	\$ 7,224,399
13	My Home Energy Report	20,776	122,685,145	\$ 7,157,767	11.75%	\$ (62,290)	\$ 7,625,601	85.5608674%	E13*F13	\$ 6,524,531	\$ (53,295)
14	Total Residential Conservation and Behavioral Programs	41,098	210,957,549	\$ 88,053,859	-	\$ 5,016,136	\$ 49,424,411	-	-	\$ 42,272,939	\$ 7,171,104
NC Residential Peak Demand Allocation Factor											
15	EnergyWise	29,483	-	\$ 55,956,965	11.75%	\$ 5,909,420	\$ 11,573,447	86.5304240%	NC Allocation Factor (2)	\$ 6,231,840	\$ 5,670,738
16	Total Residential	70,580	210,957,549	\$ 144,010,825	-	\$ 10,925,557	\$ 60,997,858	-	48.5812530%	\$ 48,504,779	\$ 12,841,842
Non-Residential Programs											
EE Programs											
17	Business Energy Report	-	-	\$ -	-	\$ -	\$ -	85.5608674%	E17 * F17	\$ -	\$ -
18	Energy Efficient Lighting	1,752	6,759,940	\$ 8,143,582	11.75%	\$ 831,917	\$ 1,895,351	85.5608674%	E18 * F18	\$ 1,621,679	\$ 1,385,841
19	Non-Residential Smart Saver Prescriptive	14,782	85,112,310	\$ 65,243,166	11.75%	\$ 6,312,952	\$ 17,828,865	85.5608674%	E19 * F19	\$ 15,254,532	\$ 8,950,905
20	Non-Residential Smart Saver Custom	1,883	11,901,442	\$ 8,888,940	11.75%	\$ 788,986	\$ 2,963,150	85.5608674%	E20 * F20	\$ 2,535,296	\$ 255,925
21	Non-Res SmartSaver Performance	129	1,519,117	\$ 808,686	11.75%	\$ 71,337	\$ 272,897	85.5608674%	E21 * F21	\$ 233,493	\$ 30,334
22	Small Business Energy Saver	6,667	40,298,466	\$ 22,295,462	11.75%	\$ 1,578,877	\$ 10,437,089	85.5608674%	E22 * F22	\$ 8,930,064	\$ 2,644,583
23	Total for Non-Residential Conservation Programs	25,213	145,591,275	\$ 105,379,835	-	\$ 9,584,070	\$ 33,397,353	-	-	\$ 28,575,064	\$ 13,267,589
24	EnergyWise for Business	2,661	38,158	\$ (557,432)	11.75%	\$ (313,192)	\$ 1,794,838	86.5304240%	E24 * F24	\$ 3,641,467	\$ (271,006)
25	Commercial, Industrial, & Governmental Demand Response	1,629	-	\$ 2,073,843	11.75%	\$ 82,240	\$ 1,456,169	86.5304240%	E25 * F25	\$ 2,954,357	\$ 260,829
26	Total for Non-Residential DSM Programs	4,290	38,158	\$ 1,516,411	-	\$ (230,952)	\$ 3,251,007	86.5304240%	NC Allocation Factor (2)	\$ 6,595,824	\$ (10,177)
27	Total Non Residential	29,503	145,629,433	\$ 106,896,246	-	\$ 9,353,118	\$ 36,648,360	-	51.4187470%	\$ 35,170,888	\$ 13,257,412
28	Total All Programs	100,083	356,586,982	\$ 250,907,071	-	\$ 20,278,675	\$ 97,646,218	-	43.9812530%	\$ 83,675,666	\$ 26,099,254
(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages (2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak (3) Multi-Family PipeWrap EMV Adjustment includes (\$196,164) applied to line 5 as part of EMV application to the 2018 vintage year, of which (\$43,806) is Lost Revenue and (\$152,357) is Incentive. The remaining (\$103,989) is reflected in line 6 for a total of (\$300,153).											
24	DSDR	275,885	44,989,144	\$ -	-	\$ -	\$ 12,886,517	-	-	\$ 12,886,517	\$ -
25	Total with DSDR	375,968	401,576,126	\$ 250,907,071	-	\$ 20,278,675	\$ 110,532,734	-	-	\$ 83,675,666	\$ 26,099,254

Duke Energy Progress
 Evans Exhibit 1, page X
 Vintage 2018 True Up: January 1, 2018 to December 31, 2018
 Docket Number E-2, Sub 1206
 Load Impacts and Estimated Revenue Requirements by Program

A	B	C =A*B	D =A+C	E	F	G =PMT(E,F,D)	H =1-B	I	J	K =I+J											
Residential Programs	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2018 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	PPI Values for Test Period	
	EE Programs																				
1 Appliance Recycling Program	\$ -	23.50%	\$ -	\$ -	6.72%	10	\$ -	76.50%	\$ -	\$ -	\$ 119,754	\$ -	\$ 28,547	\$ 20,592	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 3,011	\$ (79)	\$ 119,754
2 Energy Education Program for Schools	\$ -	23.50%	\$ -	\$ -	6.72%	N/A	\$ -	76.50%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3 Energy Efficient Lighting	\$ 1,688,945	23.50%	\$ (396,963)	\$ 1,291,982	6.72%	5	\$ 312,755	76.50%	\$ 408,849	\$ 3,766,708	\$ -	\$ 546,425	\$ 309,670	\$ 621,854	\$ 636,857	\$ 397,825	\$ 332,048	\$ 448,586	\$ 473,444	\$ 4,175,557	
4 Residential Service - Smart Saver	\$ (88,588)	23.50%	\$ 20,821	\$ (67,767)	6.72%	10	\$ (9,525)	76.50%	\$ (12,451)	\$ 354,745	\$ 10,405	\$ 75,357	\$ 116,481	\$ 108,864	\$ 0	\$ 14,647	\$ 24,334	\$ 13,823	\$ (9,166)	\$ 342,294	
5 Multi-Family (with PipeWrap EMV Adjustment)	\$ 476,775	23.50%	\$ (112,059)	\$ 364,715	6.72%	5	\$ 88,288	76.50%	\$ 115,415	\$ 503,822	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,329	\$ 124,282	\$ 186,211	\$ 619,236	
6 Neighborhood Energy Saver	\$ -	23.50%	\$ -	\$ -	6.72%	N/A	\$ -	76.50%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7 Residential Energy Assessments	\$ 352,843	23.50%	\$ (82,931)	\$ 269,912	6.72%	5	\$ 65,339	76.50%	\$ 85,414	\$ 172,377	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83,543	\$ 88,834	\$ 257,791	
8 Residential New Construction	\$ 958,920	23.50%	\$ (225,381)	\$ 733,539	6.72%	10	\$ 103,098	76.50%	\$ 134,775	\$ 452,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,738	\$ 72,258	\$ 139,487	\$ 138,767	\$ 587,678	
9 Save Energy and Water Kit	\$ 941,235	23.50%	\$ (221,224)	\$ 720,011	6.72%	5	\$ 174,296	76.50%	\$ 227,848	\$ 717,765	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,973	\$ 396,792	\$ 945,613	
10 Residential Home Advantage	\$ -	23.50%	\$ -	\$ -	6.72%	10	\$ -	76.50%	\$ -	\$ 176,476	\$ 8,018	\$ 27,550	\$ 79,940	\$ 60,450	\$ 517	\$ -	\$ -	\$ -	\$ -	\$ 176,476	
11 Total for Residential Conservation Programs	\$ 4,330,130		\$ (1,017,737)	\$ 3,312,393			\$ 734,251		\$ 939,851	\$ 6,264,549	\$ 18,424	\$ 677,879	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ 1,133,704	\$ 1,274,803	\$ 7,224,999	
12 My Home Energy Report	\$ (53,295)	23.50%	\$ 12,526	\$ (40,769)	6.72%	1	\$ (40,769)	76.50%	\$ (53,295)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (53,295)
13 Total Residential Conservation and Behavioral Programs	\$ 4,276,835		\$ (1,005,211)	\$ 3,271,624			\$ 693,482		\$ 906,555	\$ 6,264,549	\$ 18,424	\$ 677,879	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ 1,133,704	\$ 1,274,803	\$ 7,171,104	
14 EnergyWise	\$ 5,113,446	23.50%	\$ (1,201,845)	\$ 3,911,601	6.72%	10	\$ 549,772	76.50%	\$ 718,690	\$ 4,952,048	\$ 135,141	\$ 1,043,048	\$ 781,456	\$ 347,959	\$ 301,384	\$ 369,522	\$ 265,373	\$ 911,314	\$ 796,853	\$ 5,670,738	
15 Total Residential	\$ 9,390,281		\$ (2,207,050)	\$ 7,183,225			\$ 1,243,254		\$ 1,625,245	\$ 11,216,597	\$ 153,564	\$ 1,720,927	\$ 1,308,140	\$ 1,177,773	\$ 1,003,450	\$ 844,237	\$ 891,833	\$ 2,045,018	\$ 2,071,654	\$ 12,841,842	
Non-Residential Programs	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2018 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	PPI Values for Test Period	
EE Programs																					
16 Business Energy Report	\$ -	23.50%	\$ -	\$ -	6.72%	1	\$ -	76.50%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17 Energy Efficient Lighting	\$ 711,796	23.50%	\$ (167,298)	\$ 544,498	6.72%	5	\$ 131,809	76.50%	\$ 172,307	\$ 1,213,534	\$ -	\$ 134,853	\$ 74,572	\$ 153,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ 218,730	\$ 191,685	\$ 1,385,841	
18 Non-Residential Smart Saver Prescriptive	\$ 5,401,417	23.50%	\$ (1,269,528)	\$ 4,131,888	6.72%	3	\$ 1,566,453	76.50%	\$ 2,047,748	\$ 6,903,157	\$ 169,910	\$ 452,376	\$ 649,907	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ 1,281,869	\$ 2,139,886	\$ 8,950,905	
19 Non-Residential Smart Saver Custom	\$ 675,063	23.50%	\$ (158,664)	\$ 516,399	6.72%	3	\$ 195,774	76.50%	\$ 255,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 255,925	
20 Non-Res SmartSaver Performance	\$ 61,037	23.50%	\$ (14,346)	\$ 46,691	6.72%	3	\$ 17,701	76.50%	\$ 23,140	\$ 7,194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,194	\$ 30,334	
21 Small Business Energy Saver	\$ 1,350,901	23.50%	\$ (317,511)	\$ 1,033,390	6.72%	3	\$ 391,772	76.50%	\$ 512,144	\$ 2,132,439	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,333	\$ 241,051	\$ 900,609	\$ 692,747	\$ 2,644,583	
22 Total for Non-Residential Conservation Programs	\$ 8,200,213		\$ (1,927,347)	\$ 6,272,866			\$ 2,303,569		\$ 3,011,265	\$ 10,256,324	\$ 169,910	\$ 587,229	\$ 724,479	\$ 875,773	\$ 931,159	\$ 772,394	\$ 762,661	\$ 2,401,209	\$ 3,031,512	\$ 13,267,589	
23 EnergyWise for Business	\$ (271,006)	23.50%	\$ 63,696	\$ (207,310)	6.72%	1	\$ (207,310)	76.50%	\$ (271,006)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (271,006)
24 Commercial, Industrial, & Governmental Demand Response	\$ 71,163	23.50%	\$ (16,729)	\$ 54,432	6.72%	3	\$ 20,688	76.50%	\$ 26,919	\$ 233,850	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 82,891	\$ 260,829	
25 Total for Non-Residential DSM Programs	\$ (159,844)		\$ 46,971	\$ (112,873)			\$ (156,672)		\$ (244,028)	\$ 233,850	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 82,891	\$ (10,177)	
26 Total Non Residential	\$ 8,000,370		\$ (1,880,377)	\$ 6,119,993			\$ 2,116,836		\$ 2,767,237	\$ 10,490,174	\$ 169,910	\$ 652,951	\$ 742,134	\$ 904,088	\$ 940,873	\$ 797,533	\$ 767,075	\$ 2,401,209	\$ 3,114,403	\$ 13,257,412	
27 Total All Programs	\$ 17,390,651		\$ (4,087,433)	\$ 13,303,218			\$ 3,360,090		\$ 4,392,482	\$ 21,706,772	\$ 323,474	\$ 2,373,878	\$ 2,050,273	\$ 2,081,861	\$ 1,944,323	\$ 1,641,770	\$ 1,658,908	\$ 4,446,227	\$ 5,186,057	\$ 26,099,254	

(1) Energy Efficient Benchmarking impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages
 (2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Progress
 Evan Exhibit 1, page X
 Vintage 2020 Estimate - January 1, 2020 to December 31, 2020
 Docket No. E-2, Sub 1206
 Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H	I		
				=(A-B)*C	=(B+D)				=K (from page 2)		
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Allocation Factor (2)	NC Residential Unadjusted Revenue Requirement ⁽¹⁾	NC Residential Adjusted Revenue Requirement
Residential Programs											
EE Programs											
1 Appliances and Devices	7,922	23,787,507	13,327,506	987,762	11.75%	\$ 1,449,920	\$ 2,437,682	85.5608674%		E1 * F1 \$ 2,085,702	\$ 299,664
2 Appliance Recycling Program	-	-	-	-	11.75%	\$ -	\$ -	85.5608674%		E2 * F2 \$ -	\$ 91,207
3 Energy Education Program for Schools	462	3,872,957	1,213,998	969,044	0.00%	\$ -	\$ 969,044	85.5608674%		E3 * F3 \$ 829,122	\$ -
4 Energy Efficient Lighting	1,480	8,977,956	7,302,951	4,558,139	11.75%	\$ 322,515	\$ 4,880,655	85.5608674%		E4 * F4 \$ 4,175,930	\$ 3,893,615
5 Residential Smart Saver	1,971	5,634,699	5,047,920	3,404,576	11.75%	\$ 193,093	\$ 3,597,668	85.5608674%		E5 * F5 \$ 3,078,196	\$ 271,821
6 Multi-Family	1,847	14,538,633	7,175,347	2,923,891	11.75%	\$ 499,546	\$ 3,423,437	85.5608674%		E6 * F6 \$ 2,929,122	\$ 844,238
7 Neighborhood Energy Saver	348	2,279,725	933,642	2,042,281	0.00%	\$ -	\$ 2,042,281	85.5608674%		E7 * F7 \$ 1,747,394	\$ -
8 Residential Energy Assessments	820	6,866,573	3,860,896	1,932,255	11.75%	\$ 226,615	\$ 2,158,870	85.5608674%		E8 * F8 \$ 1,847,148	\$ 317,196
9 Residential New Construction	4,606	15,992,111	18,677,081	13,018,377	11.75%	\$ 664,898	\$ 13,683,275	85.5608674%		E9 * F9 \$ 11,707,529	\$ 819,220
10 Save Energy and Water Kit	-	-	-	-	11.75%	\$ -	\$ -	85.5608674%		E10 * F10 \$ -	\$ 1,343,983
11 Residential Home Advantage	-	-	-	-	11.75%	\$ -	\$ -	85.5608674%		E11 * F11 \$ -	\$ 140,907
12 Total for Residential Conservation Programs	19,456	81,950,160	57,539,341	29,836,325		\$ 3,356,587	\$ 33,192,912			\$ 28,400,143	\$ 8,021,851
13 My Home Energy Report (1)	19,586	116,045,885	6,414,470	6,866,858	11.75%	\$ (53,156)	\$ 6,813,703	85.5608674%		E12 * F12 \$ 5,829,863	\$ (45,480)
14 Total Residential Conservation and Behavioral	39,042	197,996,045	\$ 63,953,811	\$ 36,703,184		\$ 3,303,432	\$ 40,006,615			\$ 34,230,006	\$ 7,976,371
NC Residential Peak Demand Allocation Factor											
15 EnergyWise * Home	27,629	-	42,915,886	8,148,740	11.75%	\$ 4,085,140	\$ 12,233,879	86.5304240%	48.58%	(E13+E23) * F13 * G13 \$ 9,253,541	\$ 5,526,163
16 Total Residential	66,671	197,996,045	\$ 106,869,697	\$ 44,851,923		\$ 7,388,571	\$ 52,240,495			\$ 43,483,547	\$ 13,502,534
Non-Residential Programs											
EE Programs											
17 Energy Efficient Lighting	611	2,357,624	2,211,608	552,455	11.75%	\$ 194,950	\$ 747,406	85.5608674%		E15 * F15 \$ 639,487	\$ 1,408,237
18 Non-Residential Smart Saver (Custom)	2,406	21,077,008	10,348,052	4,302,434	11.75%	\$ 710,360	\$ 5,012,794	85.5608674%		E16 * F16 \$ 4,288,990	\$ 621,904
19 Non-Residential Smart Saver (Prescriptive)	10,443	63,750,610	38,000,115	11,355,357	11.75%	\$ 3,130,759	\$ 14,486,116	85.5608674%		E17 * F17 \$ 12,394,447	\$ 6,479,388
20 Non-Residential Smart Saver Performance Ince	858	7,520,191	3,692,143	991,702	11.75%	\$ 317,302	\$ 1,309,004	85.5608674%		E18 * F18 \$ 1,119,995	\$ 207,162
21 Small Business Energy Saver	6,642	38,401,907	19,156,040	8,304,027	11.75%	\$ 1,275,112	\$ 9,579,139	85.5608674%		E19 * F19 \$ 8,195,994	\$ 1,562,632
22 Total for Non-Residential Conservation Program	20,961	133,107,341	\$ 73,407,958	\$ 25,505,975		\$ 5,628,483	\$ 31,134,458			\$ 26,638,913	\$ 10,679,322
NC Non-Residential Peak Demand Allocation Factor											
23 EnergyWise * for Business	8,252	54,636	826,038	3,315,403	11.75%	\$ (292,500)	\$ 3,022,903			\$ 3,027,645	\$ (269,912)
24 Commercial Industrial Governmental Demand I	7,357	-	11,315,319	6,148,693	11.75%	\$ 607,079	\$ 6,755,771			\$ 6,766,370	\$ 560,154
25 Total for Non-Residential DSM Programs	15,609	54,636	\$ 12,141,357	\$ 9,464,095		\$ 314,578	\$ 9,778,674	86.5304240%	51.42%	(E13+E23) * F23 * G23 \$ 9,794,014	\$ 290,242
26 Total Non Residential	36,570	133,161,976	\$ 85,549,315	\$ 34,970,071		\$ 5,943,061	\$ 40,913,132			\$ 36,432,927	\$ 10,969,564
27 Total All Programs	103,240	331,158,021	\$ 192,419,012	\$ 79,821,994		\$ 13,331,633	\$ 93,153,627			\$ 79,916,475	\$ 24,472,099
DSDR											
1 DSDR	293,836	46,476,232		\$ 18,774,903	N/A	\$ -	\$ 18,774,903			\$ -	\$ -
Total All Programs with DSDR	397,076	377,634,253	\$ 192,419,012	\$ 98,596,897		\$ 13,331,633	\$ 111,928,530			\$ 79,916,475	\$ 24,472,099

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage;
 (2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Progress
 Evans Exhibit 1, page 2
 Vintage 2020 Estimate - January 1, 2020 to December 31, 2020
 Docket No. E-2, Sub 1206
 Load Impacts and Estimated Revenue Requirements by Program

	A	B	C =A*B	D =A+C	E	F	G =PMT(E,F,D)	H =1-B	I	J											K =J-I	
Residential Programs	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2020 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	Σ Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	Vintage 2018 PPI	Vintage 2019 PPI	PPI Values for Test Period
EE Programs																						
1 Appliances and Devices	\$ 1,240,564	23.17%	\$ (287,430)	\$ 953,134	6.64%	5	\$ 230,234	76.83%	\$ 299,664	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 299,664
2 Appliance Recycling Program	\$ -	23.17%	\$ -	\$ -	6.64%	10	\$ -	76.83%	\$ -	\$ 91,207	\$ -	\$ -	\$ -	\$ 20,592	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 3,011	\$ (79)	\$ -	\$ 91,207
3 Energy Education Program for Schools	\$ -	23.17%	\$ -	\$ -	6.64%	N/A	\$ -	76.83%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 Energy Efficient Lighting	\$ 275,947	23.17%	\$ (63,935)	\$ 212,012	6.64%	5	\$ 51,213	76.83%	\$ 66,656	\$ 3,826,959	\$ -	\$ -	\$ 309,670	\$ 621,854	\$ 636,857	\$ 397,825	\$ 332,048	\$ 448,586	\$ 473,444	\$ 408,849	\$ 197,827	\$ 3,893,615
5 Home Energy Improvement	\$ 165,212	23.17%	\$ (38,278)	\$ 126,934	6.64%	10	\$ 17,774	76.83%	\$ 23,134	\$ 248,687	\$ -	\$ -	\$ 116,481	\$ 108,864	\$ -	\$ 14,647	\$ 24,334	\$ 13,823	\$ (9,166)	\$ (12,451)	\$ (7,845)	\$ 271,821
6 Multi-Family	\$ 427,416	23.17%	\$ (99,029)	\$ 328,387	6.64%	5	\$ 79,323	76.83%	\$ 103,244	\$ 740,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,329	\$ 124,282	\$ 186,211	\$ 115,415	\$ 121,758	\$ 844,238
7 Neighborhood Energy Saver	\$ -	23.17%	\$ -	\$ -	6.64%	N/A	\$ -	76.83%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8 Residential Energy Assessments	\$ 193,894	23.17%	\$ (44,924)	\$ 148,970	6.64%	5	\$ 35,984	76.83%	\$ 46,836	\$ 270,360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83,543	\$ 88,834	\$ 85,414	\$ 12,569	\$ 317,196
9 Residential New Construction	\$ 568,892	23.17%	\$ (131,808)	\$ 437,084	6.64%	10	\$ 61,204	76.83%	\$ 79,661	\$ 739,559	\$ -	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 139,487	\$ 138,767	\$ 134,775	\$ 151,881	\$ 819,220
10 Save Energy and Water Kit	\$ -	23.17%	\$ -	\$ -	6.64%	5	\$ -	76.83%	\$ -	\$ 1,343,983	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,973	\$ 396,792	\$ 227,848	\$ 398,369	\$ 1,343,983
11 Residential Home Advantage	\$ -	23.17%	\$ -	\$ -	6.64%	10	\$ -	76.83%	\$ -	\$ 140,907	\$ -	\$ -	\$ 79,940	\$ 60,450	\$ 517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,907
12 Total for Residential Conservation Progr	2,871,925		(665,405)	2,206,520			475,733		619,196	7,402,655	-	-	526,684	829,814	702,066	474,715	626,461	1,133,704	1,274,803	959,851	874,559	8,021,851
13 My Home Energy Report	\$ (45,480)	23.17%	\$ 10,537	\$ (34,943)	6.64%	1	\$ (34,943)	76.83%	\$ (45,480)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (45,480)
14 Total Residential Conservation and Beha	2,826,445		(654,867)	2,171,577			440,790		573,716	7,402,655	-	-	526,684	829,814	702,066	474,715	626,461	1,133,704	1,274,803	959,851	874,559	7,976,371
15 EnergyWise * Home	\$ 3,534,889	23.17%	\$ (819,009)	\$ 2,715,880	6.64%	10	\$ 380,299	76.83%	\$ 494,983	\$ 5,031,180	\$ -	\$ -	\$ 781,456	\$ 347,959	\$ 301,384	\$ 369,522	\$ 265,373	\$ 911,314	\$ 718,108	\$ 718,690	\$ 617,375	\$ 5,526,163
16 Total Residential	6,361,333		(1,473,876)	4,887,457			821,088		1,068,698	12,433,836	-	-	1,308,140	1,177,773	1,003,450	844,237	891,833	2,045,018	1,992,911	1,678,541	1,491,933	13,502,534
Non-Residential Programs																						
EE Programs																						
17 Energy Efficient Lighting	\$ 166,801	23.17%	\$ (38,647)	\$ 128,155	6.64%	5	\$ 30,956	76.83%	\$ 40,292	\$ 1,367,945	\$ -	\$ -	\$ 74,572	\$ 153,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ 218,730	\$ 191,685	\$ 172,307	\$ 116,957	\$ 1,408,237
18 Non-Residential Smart Saver (Custom)	\$ 607,790	23.17%	\$ (140,821)	\$ 466,970	6.64%	3	\$ 176,776	76.83%	\$ 230,084	\$ 391,819	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 255,925	\$ 135,894	\$ 255,925	\$ 135,894	\$ 621,904
19 Non-Residential Smart Saver (Prescriptiv	\$ 2,676,705	23.17%	\$ (620,637)	\$ 2,058,068	6.64%	3	\$ 779,100	76.83%	\$ 1,014,048	\$ 5,465,340	\$ -	\$ -	\$ 649,907	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ -	\$ -	\$ 2,047,748	\$ 558,476	\$ 6,479,388
20 Non-Residential Smart Saver Performanc	\$ 271,486	23.17%	\$ (62,901)	\$ 208,585	6.64%	3	\$ 78,962	76.83%	\$ 102,774	\$ 104,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,140	\$ 81,248	\$ 207,162
21 Small Business Energy Saver	\$ 1,090,996	23.17%	\$ (252,776)	\$ 838,220	6.64%	3	\$ 317,316	76.83%	\$ 413,007	\$ 1,549,625	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ -	\$ -	\$ 512,144	\$ 498,399	\$ 1,962,632
22 Total for Non-Residential Conservation P	4,815,779		(1,115,782)	3,699,997			1,383,109		1,800,204	8,879,118	-	-	724,479	875,773	931,159	772,394	762,661	218,730	191,685	3,011,265	1,390,973	10,679,322
23 EnergyWise * for Business	\$ (253,102)	23.17%	\$ 58,642	\$ (194,460)	6.64%	1	\$ (207,375)	76.83%	\$ (269,912)	\$ 4,560	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (269,912)
24 Commercial, Industrial, & Governmental	\$ 525,308	23.17%	\$ (121,710)	\$ 403,598	6.64%	3	\$ 152,785	76.83%	\$ 198,860	\$ 361,294	\$ -	\$ -	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ -	\$ 26,979	\$ 249,078	\$ 560,154
25 Total for Non-Residential DSM Programs	272,206		(63,068)	209,138			(54,590)		(71,052)	361,294	-	-	17,655	28,315	9,714	25,139	4,414	-	-	26,979	249,078	290,242
26 Total Non Residential	5,087,985		(1,178,850)	3,909,134			1,328,520		1,729,152	9,240,412	-	-	742,134	904,088	940,873	797,533	767,075	218,730	191,685	3,038,243	1,640,051	10,969,564
27 Total All Programs	11,449,318		(2,652,727)	8,796,591			2,149,608		2,797,850	21,674,248	-	-	2,050,273	2,081,861	1,944,323	1,641,770	1,658,908	2,263,748	2,184,596	4,716,784	3,131,985	24,472,099

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Duke Energy Progress
 For the Period January 1, 2015 - December 31, 2019
 Docket Number E-2, Sub 1206
 North Carolina Net Lost Revenue for Vintages 2015 - 2019

Line	Residential	Vintage 2015			Jan-Mar 15			2020	Total
		2014	2015	2016	2017	2018	2019		
1	Appliance Recycling Program		\$ 123,909	\$ 238,215	\$ 246,008	\$ 46,773		\$ 654,905	
2	Energy Education Program for Schools		\$ 71,588	\$ 120,886	\$ 124,841	\$ 24,793		\$ 342,109	
3	Energy Efficient Lighting		\$ 1,665,788	\$ 3,332,098	\$ 3,441,107	\$ 543,482		\$ 8,982,475	
4	Home Energy Improvement Program		\$ 170,038	\$ 347,916	\$ 359,298	\$ 65,837		\$ 943,088	
5	Multi-Family		\$ 429,296	\$ 909,897	\$ 939,665	\$ 184,586		\$ 2,463,444	
6	My Home Energy Report		\$ 4,024,242	\$ -	\$ -	\$ -		\$ 4,024,242	
7	Neighborhood Energy Saver		\$ 54,534	\$ 89,993	\$ 92,937	\$ 15,460		\$ 252,924	
8	Residential New Construction		\$ 252,450	\$ 390,765	\$ 403,570	\$ 55,643		\$ 1,102,448	
9	Save Energy and Water Kit		\$ -	\$ -	\$ -	\$ -		\$ -	
10	Total Lost Revenues	\$ -	\$ 6,791,845	\$ 5,429,790	\$ 5,607,426	\$ 936,574		\$ 18,765,635	
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	
12	Net Lost Residential Revenues	\$ -	\$ 6,791,845	\$ 5,429,790	\$ 5,607,426	\$ 936,574		\$ 18,765,635	

Line	Non-Residential	Vintage 2016			Jan-Mar 16			2020	Total
		2014	2015	2016	2017	2018	2019		
13	Energy Efficiency for Business		\$ 1,386,578	\$ 2,353,629	\$ 2,443,707	\$ 361,644		\$ 6,545,559	
14	Energy Efficient Lighting		\$ 420,420	\$ 846,915	\$ 879,329	\$ 121,833		\$ 2,268,497	
15	Small Business Energy Saver		\$ 737,092	\$ 1,703,045	\$ 1,768,224	\$ 305,285		\$ 4,513,645	
16	EnergyWise for Business		\$ -	\$ -	\$ -	\$ -		\$ -	
17	Total Lost Revenues	\$ -	\$ 2,544,090	\$ 4,903,589	\$ 5,091,260	\$ 788,762		\$ 13,327,701	
18	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	
19	Net Lost Non-Residential Revenues	\$ -	\$ 2,544,090	\$ 4,903,589	\$ 5,091,260	\$ 788,762		\$ 13,327,701	

Line	DSDR	2015	2016	2017	2018	2019	2020	Total
20	DSDR	\$ -	\$ 420,831	\$ 145,979	\$ -	\$ -	\$ -	\$ 566,810

Line	Residential	Vintage 2016			Jan-Mar 16			2020	Total
		2014	2015	2016	2017	2018	2019		
1	Appliance Recycling Program			\$ 5,095	\$ 12,308	\$ 5,392	\$ 3,265	\$ -	\$ 26,060
2	Energy Education Program for Schools			\$ 59,240	\$ 135,532	\$ 45,380	\$ 18,760	\$ -	\$ 258,912
3	Energy Efficient Lighting			\$ 1,033,814	\$ 2,116,981	\$ 650,510	\$ 233,337	\$ -	\$ 4,034,642
4	Home Energy Improvement Program			\$ 163,848	\$ 370,108	\$ 105,628	\$ 31,983	\$ -	\$ 671,566
5	Multi-Family			\$ 332,768	\$ 658,165	\$ 182,400	\$ 50,332	\$ -	\$ 1,223,664
6	My Home Energy Report			\$ 5,418,524	\$ -	\$ -	\$ -	\$ -	\$ 5,418,524
7	Neighborhood Energy Saver			\$ 44,319	\$ 105,283	\$ 31,744	\$ 10,875	\$ -	\$ 192,221
8	Residential Energy Assessments			\$ 106,622	\$ 320,122	\$ 96,752	\$ 23,120	\$ -	\$ 546,615
9	Residential New Construction			\$ 274,821	\$ 608,926	\$ 167,378	\$ 51,186	\$ -	\$ 1,102,311
10	Save Energy and Water Kit			\$ 362,685	\$ 987,169	\$ 274,247	\$ 78,992	\$ -	\$ 1,703,093
11	Total Lost Revenues	\$ -	\$ -	\$ 7,801,736	\$ 5,314,593	\$ 1,559,431	\$ 501,848	\$ -	\$ 15,177,608
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 7,801,736	\$ 5,314,593	\$ 1,559,431	\$ 501,848	\$ -	\$ 15,177,608

Line	Non-Residential	Vintage 2016			Jan-Mar 16			2020	Total
		2014	2015	2016	2017	2018	2019		
14	Business Energy Reports			\$ 191,245	\$ -	\$ -	\$ -	\$ -	\$ 191,245
15	Energy Efficiency for Business			\$ 1,638,505	\$ 3,101,812	\$ 1,790,225	\$ 694,350	\$ -	\$ 7,224,892
16	Energy Efficient Lighting			\$ 246,438	\$ 478,231	\$ 276,035	\$ 125,435	\$ -	\$ 1,126,139
17	Small Business Energy Saver			\$ 1,100,746	\$ 2,221,654	\$ 1,282,342	\$ 535,303	\$ -	\$ 5,140,045
18	EnergyWise for Business			\$ 7,298	\$ 19,733	\$ 11,390	\$ 6,032	\$ -	\$ 44,453
19	Total Lost Revenues	\$ -	\$ -	\$ 3,184,232	\$ 5,821,430	\$ 3,359,992	\$ 1,361,119	\$ -	\$ 13,726,774
20	Found Non-Residential Revenues	\$ -	\$ -	\$ (68,561)	\$ (113,553)	\$ (69,282)	\$ -	\$ -	\$ (251,396)
21	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 3,115,672	\$ 5,707,877	\$ 3,290,710	\$ 1,361,119	\$ -	\$ 13,475,378

Line	DSDR	2014	2015	2016	2017	2018	2019	2020	Total
22	DSDR	\$ -	\$ -	\$ 115,745	\$ 66,983	\$ -	\$ -	\$ -	\$ 182,728

Evans Exhibit 2, page 2

Line	Residential	Vintage 2017						Total	
		2014	2015	2016	2017	2018	2019		2020
1	Appliance Recycling Program				\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools				\$ 75,158	\$ 79,788	\$ 67,465	\$ -	\$ 222,411
3	Energy Efficient Lighting				\$ 650,874	\$ 1,113,237	\$ 995,775	\$ -	\$ 2,759,885
4	Home Energy Improvement Program				\$ 235,241	\$ 276,922	\$ 235,556	\$ -	\$ 747,719
5	Multi-Family				\$ 458,694	\$ 639,583	\$ 562,483	\$ -	\$ 1,660,760
6	My Home Energy Report				\$ 6,016,176	\$ -	\$ -	\$ -	\$ 6,016,176
7	Neighborhood Energy Saver				\$ 42,581	\$ 59,659	\$ 51,044	\$ -	\$ 153,284
8	Residential Energy Assessments				\$ 210,303	\$ 288,902	\$ 163,540	\$ -	\$ 642,744
9	Residential New Construction				\$ 369,740	\$ 507,001	\$ 501,268	\$ -	\$ 1,378,008
10	Save Energy and Water Kit				\$ 754,565	\$ 916,378	\$ 792,743	\$ -	\$ 2,463,686
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 8,813,332	\$ 3,861,470	\$ 3,369,874	\$ -	\$ 16,044,675
12	Found Residential Revenues				\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ 8,813,332	\$ 3,861,470	\$ 3,369,874	\$ -	\$ 16,044,675

Line	Non-Residential	Vintage 2017						Total	
		2014	2015	2016	2017	2018	2019		2020
14	Business Energy Report				\$ 577	\$ -	\$ -	\$ -	\$ 577
15	Energy Efficiency for Business				\$ 2,406,056	\$ 4,327,920	\$ 4,466,854	\$ -	\$ 11,200,830
16	Energy Efficient Lighting				\$ 173,544	\$ 294,923	\$ 314,218	\$ -	\$ 782,685
17	Small Business Energy Saver				\$ 1,045,486	\$ 1,803,999	\$ 1,986,908	\$ -	\$ 4,836,393
18	Non-Res SmartSaver Performance				\$ 8,952	\$ 20,325	\$ 21,017	\$ -	\$ 50,294
19	EnergyWise for Business				\$ 29,965	\$ 45,234	\$ 46,773	\$ -	\$ 121,972
20	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 3,664,580	\$ 6,492,402	\$ 6,835,770	\$ -	\$ 16,992,751
21	Found Non-Residential Revenues				\$ (72,644)	\$ (106,296)	\$ (106,296)	\$ -	\$ (285,236)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ 3,591,936	\$ 6,386,106	\$ 6,729,474	\$ -	\$ 16,707,516

Line	DSDR	2014	2015	2016	2017	2018	2019	2020	Total
23	DSDR	\$ -	\$ -	\$ -	\$ 65,125	\$ 2,329	\$ -	\$ -	\$ 67,453

Line	Residential	Vintage 2018						Total	
		2014	2015	2016	2017	2018	2019		2020
1	Appliance Recycling Program				\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools				\$ 68,911	\$ 99,626	\$ 122,730	\$ -	\$ 291,267
3	Energy Efficient Lighting				\$ 642,900	\$ 1,172,842	\$ 1,311,236	\$ -	\$ 3,126,978
4	Home Energy Improvement Program				\$ 224,364	\$ 193,400	\$ 421,129	\$ -	\$ 838,893
5	Multi-Family				\$ 434,773	\$ 769,220	\$ 803,785	\$ -	\$ 2,007,778
6	My Home Energy Report				\$ 6,433,772	\$ -	\$ -	\$ -	\$ 6,433,772
7	Neighborhood Energy Saver				\$ 27,317	\$ 103,639	\$ 54,412	\$ -	\$ 185,368
8	Residential Energy Assessments				\$ 236,716	\$ 140,525	\$ 411,000	\$ -	\$ 788,241
9	Residential New Construction				\$ 440,096	\$ 888,107	\$ 864,756	\$ -	\$ 2,192,959
10	Save Energy and Water Kit				\$ 440,027	\$ 1,495,300	\$ 807,224	\$ -	\$ 2,742,550
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 8,948,875	\$ 4,862,660	\$ 4,796,272	\$ -	\$ 18,607,807
12	Lost Revenue Decrement Pending Rate Case Implementation				\$ -	\$ -	\$ (727,075)	\$ -	\$ (727,075)
13	Found Residential Revenues				\$ -	\$ (4,903)	\$ -	\$ (8,353)	\$ (13,255)
14	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ 8,943,972	\$ 4,857,757	\$ 4,069,217	\$ -	\$ 17,867,477

Line	Non-Residential	Vintage 2018						Total	
		2014	2015	2016	2017	2018	2019		2020
15	Business Energy Report				\$ -	\$ -	\$ -	\$ -	\$ -
16	Energy Efficient Lighting				\$ 169,509	\$ 250,652	\$ 345,637	\$ -	\$ 765,798
17	Non-Residential Smart Saver Prescriptive				\$ 2,158,762	\$ 1,771,404	\$ 3,412,457	\$ -	\$ 7,342,624
18	Non-Residential Smart Saver Custom				\$ 345,367	\$ -	\$ 514,343	\$ -	\$ 859,710
19	Non-Res SmartSaver Performance				\$ 25,808	\$ 71,032	\$ 65,949	\$ -	\$ 162,788
20	Small Business Energy Saver				\$ 864,421	\$ 2,196,937	\$ 1,612,478	\$ -	\$ 4,673,836
21	EnergyWise for Business				\$ 665	\$ 34,279	\$ 1,480	\$ -	\$ 36,424
22	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 3,564,532	\$ 4,324,304	\$ 5,952,343	\$ -	\$ 13,841,180
23	Lost Revenue Decrement Pending Rate Case Implementation				\$ -	\$ -	\$ (902,326)	\$ -	\$ (902,326)
24	Found Non-Residential Revenues				\$ (31,247)	\$ (144,767)	\$ (55,439)	\$ -	\$ (231,452)
25	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ 3,533,286	\$ 4,179,537	\$ 4,996,907	\$ -	\$ 12,707,402

(a) Lost revenues were estimated by applying forecasted lost revenue rates for residential and non-residential customers to state specific forecasted program participation.

Line	Residential	Vintage 2019						Total	
		2014	2015	2016	2017	2018	2019		2020
1	Appliance Recycling Program						\$ -	\$ -	\$ -
2	Energy Education Program for Schools						\$ 45,488	\$ 132,191	\$ 177,680
3	Energy Efficient Lighting						\$ 660,301	\$ 1,293,869	\$ 1,954,170
4	Home Energy Improvement Program						\$ 109,946	\$ 206,878	\$ 316,824
5	My Home Energy Report						\$ 6,365,499	\$ -	\$ 6,365,499
6	Neighborhood Energy Saver						\$ 54,545	\$ 103,750	\$ 158,295
7	Multi-Family Energy Efficiency						\$ 456,925	\$ 777,741	\$ 1,234,667
8	Residential Energy Assessments						\$ 77,791	\$ 205,153	\$ 282,944
9	Residential New Construction						\$ 47,875	\$ 907,966	\$ 955,841
10	Save Energy and Water Kit						\$ 912,388	\$ 1,465,807	\$ 2,378,195
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,730,758	\$ 5,093,355	\$ 13,824,113
12	Lost Revenue Decrement Pending Rate Case Implementation						\$ -	\$ (772,110)	\$ (772,110)
13	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,730,758	\$ 4,321,245	\$ 13,052,003

Line	Non-Residential	Vintage 2020						Total	
		2014	2015	2016	2017	2018	2019		2020
15	Business Energy Reports						\$ -	\$ -	\$ -
16	Energy Efficiency for Business						\$ -	\$ 1,443,982	\$ 2,447,087
17	Energy Efficient Lighting						\$ -	\$ 262,223	\$ 436,293
18	Non-Residential Smart Saver Performance Incentive						\$ -	\$ 224,180	\$ 344,672
19	Small Business Energy Saver						\$ -	\$ 1,602,762	\$ 2,563,589
20	EnergyWise ® for Business						\$ -	\$ 32,780	\$ 34,732
21	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,291,275	\$ 3,535,099	\$ 5,826,374
22	Lost Revenue Decrement Pending Rate Case Implementation						\$ -	\$ (535,892)	\$ (535,892)
23	Found Non- Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (79,389)	\$ (79,389)
24	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,211,886	\$ 2,999,207	\$ 5,211,093

(a) Lost revenues were estimated by applying forecasted lost revenue rates for residential and non-residential customers to state specific forecasted program participation.

Line	Residential	Vintage 2020						Total	
		2014	2015	2016	2017	2018	2019		2020
1	Appliances and Devices						\$ -	\$ 713,972	\$ 713,972
2	Energy Education Program for Schools						\$ -	\$ 78,559	\$ 78,559
3	Energy Efficient Lighting						\$ -	\$ 205,956	\$ 205,956
4	Residential Smart Saver						\$ -	\$ 139,579	\$ 139,579
5	Multi-Family						\$ -	\$ 460,814	\$ 460,814
6	Neighborhood Energy Saver						\$ -	\$ 50,196	\$ 50,196
7	Residential Energy Assessments						\$ -	\$ 204,880	\$ 204,880
8	Residential New Construction						\$ -	\$ 498,971	\$ 498,971
9	My Home Energy Report						\$ -	\$ 8,419,925	\$ 8,419,925
10	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,772,852	\$ 10,772,852
11	Lost Revenue Decrement Pending Rate Case Implementation						\$ -	\$ (1,633,075)	\$ (1,633,075)
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,139,777	\$ 9,139,777

Line	Non-Residential	Vintage 2020						Total	
		2014	2015	2016(a)	2017	2018	2019		2020
14	Non-Residential Smart Saver Performance (Custom)						\$ -	\$ 391,253	\$ 391,253
15	Energy Efficient Lighting						\$ -	\$ 41,579	\$ 41,579
16	Non-Residential Smart Saver Performance (Prescriptive)						\$ -	\$ 1,452,377	\$ 1,452,377
17	Non-Residential Smart Saver Performance Incentive						\$ -	\$ 138,855	\$ 138,855
18	Small Business Energy Saver						\$ -	\$ 808,177	\$ 808,177
19	EnergyWise ® for Business						\$ -	\$ 1,175	\$ 1,175
20	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,833,415	\$ 2,833,415
21	Lost Revenue Decrement Pending Rate Case Implementation						\$ -	\$ (429,522)	\$ (429,522)
22	Found Non- Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,403,893	\$ 2,403,893

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Duke Energy Progress
 For the Period January 1, 2016 - December 31, 2017
 Docket Number E-2, Sub 1206
 North Carolina Net Lost Revenue True Up for Vintages 2016 - 2017

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Line	Residential	Vintage 2016 as Filed Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
1	Appliance Recycling Program	\$ 5,095	\$ 12,308	\$ 5,330	\$ 3,265	\$ 25,998
2	Energy Education Program for Schools	\$ 59,240	\$ 135,532	\$ 44,845	\$ 18,760	\$ 258,377
3	Energy Efficient Lighting	\$ 1,033,814	\$ 2,116,981	\$ 642,767	\$ 233,337	\$ 4,026,900
3	Home Energy Improvement Program	\$ 163,848	\$ 370,108	\$ 104,359	\$ 31,983	\$ 670,297
4	My Home Energy Report	\$ 5,418,524	\$ -	\$ -	\$ -	\$ 5,418,524
5	Neighborhood Energy Saver	\$ 44,319	\$ 105,283	\$ 31,366	\$ 10,875	\$ 191,842
6	Multi-Family	\$ 332,768	\$ 658,165	\$ 180,201	\$ 50,332	\$ 1,221,466
7	Residential Energy Assessments	\$ 74,198	\$ 222,923	\$ 66,506	\$ 23,120	\$ 386,746
8	Residential New Construction	\$ 298,122	\$ 670,358	\$ 183,321	\$ 51,186	\$ 1,202,988
9	Save Energy and Water Kit	\$ 362,685	\$ 987,169	\$ 270,943	\$ 78,992	\$ 1,699,788
10	Lost Residential Revenues	\$ 7,792,613	\$ 5,278,826	\$ 1,529,639	\$ 501,848	\$ 15,102,926
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
12	Net Lost Residential Revenues	\$ 7,792,613	\$ 5,278,826	\$ 1,529,639	\$ 501,848	\$ 15,102,926

Line	Non-Residential	Vintage 2016 as Filed Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
11	Business Energy Reports	\$ 191,245	\$ -	\$ -	\$ -	\$ 191,245
12	Energy Efficiency for Business	\$ 1,638,505	\$ 3,101,812	\$ 1,851,190	\$ 694,350	\$ 7,285,857
13	Energy Efficient Lighting	\$ 246,438	\$ 478,231	\$ 285,436	\$ 125,435	\$ 1,135,539
14	Small Business Energy Saver	\$ 1,100,746	\$ 2,221,654	\$ 1,326,012	\$ 535,303	\$ 5,183,715
15	EnergyWise for Business	\$ 7,298	\$ 19,733	\$ 11,778	\$ 6,032	\$ 44,841
16	Net Lost Non-Residential Revenues	\$ 3,184,232	\$ 5,821,430	\$ 3,474,415	\$ 1,361,119	\$ 13,841,197
17	Found Non- Residential Revenues	\$ (68,561)	\$ (113,553)	\$ (113,553)	\$ -	\$ (295,666)
18	Net Lost Non-Residential Revenues	\$ 3,115,672	\$ 5,707,877	\$ 3,360,863	\$ 1,361,119	\$ 13,545,531

Line	DSDR	Vintage 2016 as Filed Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
19	DSDR	\$ 115,745	\$ 66,983	\$ -	\$ -	\$ 182,728

Line	Residential	Vintage 2017 as Filed Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ -	\$ 75,158	\$ 78,876	\$ 67,465	\$ 221,498
3	Energy Efficient Lighting	\$ -	\$ 649,785	\$ 1,108,222	\$ 995,775	\$ 2,753,782
4	Home Energy Improvement Program	\$ -	\$ 235,278	\$ 273,767	\$ 235,556	\$ 744,601
5	Multi-Family	\$ -	\$ 458,691	\$ 632,090	\$ 562,483	\$ 1,653,264
6	My Home Energy Report	\$ -	\$ 6,016,176	\$ -	\$ -	\$ 6,016,176
7	Neighborhood Energy Saver	\$ -	\$ 42,581	\$ 58,972	\$ 51,044	\$ 152,597
8	Residential Energy Assessments	\$ -	\$ 147,827	\$ 187,215	\$ 163,540	\$ 498,583
9	Residential New Construction	\$ -	\$ 425,229	\$ 571,056	\$ 501,268	\$ 1,497,553
10	Save Energy and Water Kit	\$ -	\$ 754,565	\$ 905,753	\$ 792,743	\$ 2,453,061
11	Lost Residential Revenues	\$ -	\$ 8,805,290	\$ 3,815,952	\$ 3,369,874	\$ 15,991,116
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ 8,805,290	\$ 3,815,952	\$ 3,369,874	\$ 15,991,116

Line	Non-Residential	Vintage 2017 as Filed Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
14	Business Energy Report	\$ -	\$ 577	\$ -	\$ -	\$ 577
15	Energy Efficiency for Business	\$ -	\$ 2,392,469	\$ 4,469,059	\$ 4,466,854	\$ 11,328,382
16	Energy Efficient Lighting	\$ -	\$ 140,167	\$ 327,687	\$ 314,218	\$ 782,073
17	Small Business Energy Saver	\$ -	\$ 1,079,154	\$ 1,987,679	\$ 1,986,908	\$ 5,053,741
18	Non-Res SmartSaver Performance	\$ -	\$ 8,952	\$ 21,025	\$ 21,017	\$ 50,993
19	EnergyWise for Business	\$ -	\$ 29,965	\$ 46,791	\$ 46,773	\$ 123,529
20	Net Lost Non-Residential Revenues	\$ -	\$ 3,651,284	\$ 6,852,241	\$ 6,835,770	\$ 17,339,295
21	Found Non- Residential Revenues	\$ -	\$ (72,644)	\$ (106,296)	\$ (106,296)	\$ (285,236)
22	Net Lost Non-Residential Revenues	\$ -	\$ 3,578,640	\$ 6,745,945	\$ 6,729,474	\$ 17,054,059

Line	DSDR	Vintage 2017 as Filed Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
23	DSDR	\$ -	\$ 65,125	\$ 2,329	\$ -	\$ 67,454

Duke Energy Progress
 For the Period January 1, 2016 - December 31, 2017
 Docket Number E-2, Sub 1206
 North Carolina Net Lost Revenue True Up for Vintages 2016 - 2017

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Line	Residential	Vintage 2016 True Up Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
1	Appliance Recycling Program	\$ 5,095	\$ 12,308	\$ 5,392	\$ 3,265	\$ 26,060
2	Energy Education Program for Schools	\$ 59,240	\$ 135,532	\$ 45,380	\$ 18,760	\$ 258,912
3	Energy Efficient Lighting	\$ 1,033,814	\$ 2,116,981	\$ 650,510	\$ 233,337	\$ 4,034,642
3	Home Energy Improvement Program	\$ 163,848	\$ 370,108	\$ 105,628	\$ 31,983	\$ 671,566
4	My Home Energy Report	\$ 5,418,524	\$ -	\$ -	\$ -	\$ 5,418,524
5	Neighborhood Energy Saver	\$ 44,319	\$ 105,283	\$ 31,744	\$ 10,875	\$ 192,221
6	Multi-Family	\$ 332,768	\$ 658,165	\$ 182,400	\$ 50,332	\$ 1,223,664
7	Residential Energy Assessments	\$ 106,622	\$ 320,122	\$ 96,752	\$ 23,120	\$ 546,615
8	Residential New Construction	\$ 274,821	\$ 608,926	\$ 167,378	\$ 51,186	\$ 1,102,311
9	Save Energy and Water Kit	\$ 362,685	\$ 987,169	\$ 274,247	\$ 78,992	\$ 1,703,093
10	Lost Residential Revenues	\$ 7,801,736	\$ 5,314,593	\$ 1,559,431	\$ 501,848	\$ 15,177,608
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
12	Net Lost Residential Revenues	\$ 7,801,736	\$ 5,314,593	\$ 1,559,431	\$ 501,848	\$ 15,177,608

Line	Non-Residential	2016(a)	2017(a)	2018	2019	Total
		11	Business Energy Reports	\$ 191,245	\$ -	\$ -
12	Energy Efficiency for Business	\$ 1,638,505	\$ 3,101,812	\$ 1,790,225	\$ 694,350	\$ 7,224,892
13	Energy Efficient Lighting	\$ 246,438	\$ 478,231	\$ 276,035	\$ 125,435	\$ 1,126,139
14	Small Business Energy Saver	\$ 1,100,746	\$ 2,221,654	\$ 1,282,342	\$ 535,303	\$ 5,140,045
15	EnergyWise for Business	\$ 7,298	\$ 19,733	\$ 11,390	\$ 6,032	\$ 44,453
16	Net Lost Non-Residential Revenues	\$ 3,184,232	\$ 5,821,430	\$ 3,359,992	\$ 1,361,119	\$ 13,726,774
17	Found Non- Residential Revenues	\$ (68,561)	\$ (113,553)	\$ (69,282)	\$ -	\$ (251,396)
18	Net Lost Non-Residential Revenues	\$ 3,115,672	\$ 5,707,877	\$ 3,290,710	\$ 1,361,119	\$ 13,475,378

Line	DSDR	2016(a)	2017(a)	2018	2019	Total
		19	DSDR	\$ 115,745	\$ 66,983	\$ -

Line	Residential	Vintage 2017 True Up Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ -	\$ 75,158	\$ 79,788	\$ 67,465	\$ 222,411
3	Energy Efficient Lighting	\$ -	\$ 650,874	\$ 1,113,237	\$ 995,775	\$ 2,759,885
4	Home Energy Improvement Program	\$ -	\$ 235,241	\$ 276,922	\$ 235,556	\$ 747,719
5	Multi-Family	\$ -	\$ 458,694	\$ 639,583	\$ 562,483	\$ 1,660,760
6	My Home Energy Report	\$ -	\$ 6,016,176	\$ -	\$ -	\$ 6,016,176
7	Neighborhood Energy Saver	\$ -	\$ 42,581	\$ 59,659	\$ 51,044	\$ 153,284
8	Residential Energy Assessments	\$ -	\$ 210,303	\$ 268,902	\$ 163,540	\$ 642,744
9	Residential New Construction	\$ -	\$ 369,740	\$ 507,001	\$ 501,268	\$ 1,378,008
10	Save Energy and Water Kit	\$ -	\$ 754,565	\$ 916,378	\$ 792,743	\$ 2,463,686
11	Lost Residential Revenues	\$ -	\$ 8,813,332	\$ 3,861,470	\$ 3,369,874	\$ 16,044,675
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ 8,813,332	\$ 3,861,470	\$ 3,369,874	\$ 16,044,675

Line	Non-Residential	2016(a)	2017(a)	2018	2019	Total
		14	Business Energy Report	\$ -	\$ 577	\$ -
15	Energy Efficiency for Business	\$ -	\$ 2,406,056	\$ 4,327,920	\$ 4,466,854	\$ 11,200,830
16	Energy Efficient Lighting	\$ -	\$ 173,544	\$ 294,923	\$ 314,218	\$ 782,685
17	Small Business Energy Saver	\$ -	\$ 1,045,486	\$ 1,803,999	\$ 1,986,908	\$ 4,836,393
18	Non-Res SmartSaver Performance	\$ -	\$ 8,952	\$ 20,325	\$ 21,017	\$ 50,294
19	EnergyWise for Business	\$ -	\$ 29,965	\$ 45,234	\$ 46,773	\$ 121,972
20	Net Lost Non-Residential Revenues	\$ -	\$ 3,664,580	\$ 6,492,402	\$ 6,835,770	\$ 16,992,751
21	Found Non- Residential Revenues	\$ -	\$ (72,644)	\$ (106,296)	\$ (106,296)	\$ (285,236)
22	Net Lost Non-Residential Revenues	\$ -	\$ 3,591,936	\$ 6,386,106	\$ 6,729,474	\$ 16,707,516

Line	DSDR	2016(a)	2017(a)	2018	2019	Total
		23	DSDR	\$ -	\$ 65,125	\$ 2,329

Duke Energy Progress
 For the Period January 1, 2016 - December 31, 2017
 Docket Number E-2, Sub 1206
 North Carolina Net Lost Revenue True Up for Vintages 2016 - 21

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Line	Residential	Vintage 2016 Variance Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ 62	\$ -	\$ 62
2	Energy Education Program for Schools	\$ -	\$ -	\$ 535	\$ -	\$ 535
3	Energy Efficient Lighting	\$ -	\$ -	\$ 7,742	\$ -	\$ 7,742
3	Home Energy Improvement Program	\$ -	\$ -	\$ 1,268	\$ -	\$ 1,268
4	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -
5	Neighborhood Energy Saver	\$ -	\$ -	\$ 379	\$ -	\$ 379
6	Multi-Family	\$ -	\$ -	\$ 2,199	\$ -	\$ 2,199
7	Residential Energy Assessments	\$ 32,424	\$ 97,199	\$ 30,246	\$ -	\$ 159,870
8	Residential New Construction	\$ (23,301)	\$ (61,433)	\$ (15,943)	\$ -	\$ (100,677)
9	Save Energy and Water Kit	\$ -	\$ -	\$ 3,305	\$ -	\$ 3,305
10	Lost Residential Revenues	\$ 9,123	\$ 35,767	\$ 29,792	\$ -	\$ 74,682
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
12	Net Lost Residential Revenues	\$ 9,123	\$ 35,767	\$ 29,792	\$ -	\$ 74,682

Non-Residential		2016(a)	2017(a)	2018	2019	Total
11	Business Energy Reports	-	-	\$ -	\$ -	\$ -
12	Energy Efficiency for Business	-	-	(60,965)	\$ -	(60,965)
13	Energy Efficient Lighting	-	-	(9,400)	\$ -	(9,400)
14	Small Business Energy Saver	-	-	(43,670)	\$ -	(43,670)
15	EnergyWise for Business	-	-	(388)	\$ -	(388)
16	Net Lost Non-Residential Revenues	0	0	(114,423)	0	(114,423)
17	Found Non- Residential Revenues	-	(0)	44,270	\$ -	44,270
18	Net Lost Non-Residential Revenues	\$ -	\$ (0)	\$ (70,153)	\$ -	\$ (70,153)

DSDR		2016(a)	2017(a)	2018	2019	Total
19	DSDR	-	-	-	\$ -	\$ -

Line	Residential	Vintage 2017 Variance Lost Revenue kWh \$				
		2016(a)	2017(a)	2018	2019	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ -	\$ -	\$ 913	\$ -	\$ 913
3	Energy Efficient Lighting	\$ -	\$ 1,089	\$ 5,014	\$ -	\$ 6,103
4	Home Energy Improvement Program	\$ -	\$ (37)	\$ 3,155	\$ -	\$ 3,118
5	Multi-Family	\$ -	\$ 3	\$ 7,493	\$ -	\$ 7,496
6	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -
7	Neighborhood Energy Saver	\$ -	\$ -	\$ 687	\$ -	\$ 687
8	Residential Energy Assessments	\$ -	\$ 62,475	\$ 81,686	\$ -	\$ 144,161
9	Residential New Construction	\$ -	\$ (55,489)	\$ (64,055)	\$ -	\$ (119,544)
10	Save Energy and Water Kit	\$ -	\$ -	\$ 10,625	\$ -	\$ 10,625
11	Lost Residential Revenues	\$ -	\$ 8,042	\$ 45,518	\$ -	\$ 53,560
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ 8,042	\$ 45,518	\$ -	\$ 53,560

Non-Residential		2016(a)	2017(a)	2018	2019	Total
14	Business Energy Report	-	-	-	-	-
15	Energy Efficiency for Business	-	13,587	(141,139)	-	(127,552)
16	Energy Efficient Lighting	-	33,377	(32,764)	-	613
17	Small Business Energy Saver	-	(33,668)	(183,680)	-	(217,348)
18	Non-Res SmartSaver Performance	-	-	(700)	-	(700)
19	EnergyWise for Business	-	-	(1,557)	-	(1,557)
20	Net Lost Non-Residential Revenues	0	13,296	(359,839)	0	(346,543)
21	Found Non- Residential Revenues	-	-	-	-	-
22	Net Lost Non-Residential Revenues	\$ -	\$ 13,296	\$ (359,839)	\$ -	\$ (346,543)

DSDR		2016(a)	2017(a)	2018	2019	Total
23	DSDR	-	-	-	\$ -	\$ -

how to split out between res/non-res?

Evans Exhibit 3

**Duke Energy Progress
 Actual Program Costs for Vintage Years 2015 - 2018
 Docket Number E-2 Sub 1206**

		Carolinas System - 12 Months Ended 12/31/2015	Carolinas System - 12 Months Ended 12/31/2016	Carolinas System - 12 Months Ended 12/31/2017
1	Appliance Recycling Program	\$ 1,220,465	\$ (137,009)	\$ 5,586
2	Residential Service – Smart Saver	\$ 5,298,232	\$ 6,013,170	\$ 6,961,463
3	Residential Lighting Program	\$ 14,616,136	\$ 15,552,184	\$ 10,904,279
4	Neighborhood Energy Saver Program	\$ 1,586,061	\$ 2,052,535	\$ 1,781,211
5	Residential New Construction	\$ 7,447,258	\$ 9,405,615	\$ 11,671,724
6	Residential Energy Efficient Benchmarking	\$ -	\$ -	\$ -
7	Residential Home Advantage	\$ -	\$ -	\$ -
8	Energy Education Program for Schools	\$ 703,689	\$ 827,497	\$ 835,991
9	Multi-Family	\$ 2,615,745	\$ 2,045,220	\$ 2,514,413
10	My Home Energy Report	\$ 5,808,941	\$ 5,890,093	\$ 6,753,153
11	Residential Energy Assessments	\$ -	\$ 1,417,924	\$ 1,863,486
12	Save Energy and Water Kit	\$ -	\$ 674,538	\$ 888,869
13	Business Energy Report	\$ 74,374	\$ 69,516	\$ 20,330
14	Energy Efficiency for Business	\$ 6,226,453	\$ 14,159,310	\$ 21,749,807
15	Energy Efficient Lighting	\$ 1,775,958	\$ 1,889,694	\$ 1,324,943
16	Non-Res SmartSaver Performance	\$ -	\$ -	\$ 147,160
17	Small Business Energy Saver	\$ 9,780,196	\$ 9,336,274	\$ 8,770,755
18	EnergyWise	\$ 12,212,851	\$ 13,633,666	\$ 13,125,314
19	EnergyWise for Business	\$ 65,456	\$ 1,112,815	\$ 1,390,549
20	CIG DR	\$ 1,899,146	\$ 1,615,703	\$ 1,523,514
21	Total Energy Efficiency & Demand Side Program Co	\$ 71,330,960	\$ 85,558,746	\$ 92,232,546
	Sum(Lines 1-19)		\$ -	

22	NC Allocation Factor for EE programs	Miller Exhibit 5 Pg.1 thro	85.29%	85.44%	85.51%
23	NC Allocation Factor for DSM programs	Miller Exhibit 5 Pg.1 thro	86.05%	86.17%	86.16%

		NC Allocated - 12 Months Ended 12/31/2015 (1)	NC Allocated - 12 Months Ended 12/31/2016 (1)	NC Allocated - 12 Months Ended 12/31/2017 (1)	
24	Appliance Recycling Program	Line 1 * Line 21	\$ 1,040,934.99	\$ (117,058.57)	\$ 4,776.58
25	Residential Service – Smart Saver	Line 2 * Line 21	\$ 4,518,861.95	\$ 5,137,557.41	\$ 5,952,627.50
26	Residential Lighting Program	Line 3 * Line 21	\$ 12,466,102.61	\$ 13,287,540.35	\$ 9,324,062.29
27	Neighborhood Energy Saver Program	Line 4 * Line 21	\$ 1,352,751.03	\$ 1,753,653.63	\$ 1,523,082.68
28	Residential New Construction	Line 5 * Line 21	\$ 6,351,766.01	\$ 8,036,009.10	\$ 9,980,291.02
29	Residential Energy Efficient Benchmarking	Line 6 * Line 21	\$ -	\$ -	\$ -
30	Residential Home Advantage	Line 7 * Line 21	\$ -	\$ -	\$ -
31	Energy Education Program for Schools	Line 8 * Line 21	\$ 600,176.12	\$ 707,000.01	\$ 714,841.32
32	Multi-Family	Line 9 * Line 21	\$ 2,230,968.51	\$ 1,747,403.44	\$ 2,150,031.73
33	My Home Energy Report	Line 10 * Line 21	\$ 4,954,445.77	\$ 5,032,402.60	\$ 5,774,505.65
34	Residential Energy Assessments	Line 11 * Line 21	\$ -	\$ 1,211,452.08	\$ 1,593,434.59
35	Save Energy and Water Kit	Line 12 * Line 21	\$ -	\$ 576,314.67	\$ 760,056.35
36	Business Energy Report	Line 13 * Line 21	\$ 63,433.37	\$ 59,393.23	\$ 17,383.70
37	Energy Efficiency for Business	Line 14 * Line 21	\$ 5,310,541.74	\$ 12,097,490.87	\$ 18,597,886.97
38	Energy Efficient Lighting	Line 15 * Line 21	\$ 1,514,714.78	\$ 1,614,524.95	\$ 1,132,935.88
39	Non-Res SmartSaver Performance	Line 16 * Line 21	\$ -	\$ -	\$ 125,834.21
40	Small Business Energy Saver	Line 17 * Line 21	\$ 8,341,529.15	\$ 7,976,765.21	\$ 7,499,722.72
41	EnergyWise	Line 18 * Line 22	\$ 10,508,750.77	\$ 11,747,962.62	\$ 11,308,498.16
42	EnergyWise for Business	Line 19 * Line 22	\$ 56,323.08	\$ 958,898.92	\$ 1,198,068.36
43	CIG DR	Line 20 * Line 22	\$ 1,634,152	\$ 1,392,232	\$ 1,312,628
44	Total Energy Efficiency & Demand Side Program Co	Sum (Lines 21-39)	\$ 60,945,452	\$ 73,219,542	\$ 78,970,668

(1) NC Allocations are based on annual weighted average, which are employed in the allocation of Utility Cost Test (UCT) results for PPI determination. This differs from the allocation used in Miller

Evans Exhibit 4
Duke Energy Progress, LLC
January - December 2018 Actuals
January 2019 - December 2020 Estimates
Docket Number E-2, Sub 1206
North Carolina Found Revenues

	Actual/Reported KWH			Estimated KWH	
	2016	2017	2018	2019	2020
Economic Development	40,751,172	217,748,650	43,971,258	-	-
Lighting					
Residential	21,158	18,164	15,302	15,302	15,302
Non Residential (Regulated)	328,140	304,084	111,625	111,625	111,625
MV to LED Credit - Residential (Regulated)	(460,649)	(456,768)	(2,478)	(3,371)	(3,371)
MV to LED Credit - Non-Residential (Regulated)	(105,415)	(105,982)	(919)	(1,250)	(1,250)
Total KWH	40,534,406	217,508,148	44,094,788	122,305	122,305
Total KWH Included	(216,766)	(240,502)	123,530	122,305	122,305
Total KWH Included (net of Free Riders 15%)	(184,251)	(204,427)	105,001	103,959	103,959
Annualized Found Revenue - Non Residential	\$ 113,553	\$ 106,296	\$ 55,439	\$ 57,950	\$ 55,252
Annualized Found Revenue - Residential	\$ (279,063)	\$ (297,693)	\$ 8,353	\$ 7,960	\$ 7,769
	2016	2017	2018	2019	2020
Vintage 2016 - Non Res	\$ 68,561	\$ 113,553	\$ 69,282	\$ 22,835	\$ -
Vintage 2017 - Non Res		\$ 72,644	\$ 106,296	\$ 106,296	\$ 33,652
Vintage 2018 - Non Res			\$ 31,247	\$ 55,439	\$ 55,439
Vintage 2019 - Non Res				\$ 31,390	\$ 57,950
Vintage 2020 - Non Res					\$ 29,928
Net Negative Found Revenues to Zero*	-	-	-	-	-
Subtotal - Non Res	\$ 68,561	\$ 186,197	\$ 206,825	\$ 215,959	\$ 176,969
Vintage 2016 - Res	\$ (150,940)	\$ (279,063)	\$ (76,592)	\$ (20,406)	\$ (20,406)
Vintage 2017 - Res		\$ (160,772)	\$ (199,235)	\$ (173,325)	\$ (173,325)
Vintage 2018 - Res			\$ 4,903	\$ 8,353	\$ 8,353
Vintage 2019 - Res				\$ 4,312	\$ 4,312
Vintage 2020 - Res					\$ -
Net Negative Found Revenues to Zero*	150,940	439,836	270,925	181,067	181,067
Subtotal - Residential	\$ -	\$ -	\$ -	\$ -	\$ -
Total Found Revenues	\$ 68,561	\$ 186,197	\$ 206,825	\$ 215,959	\$ 176,969

* Eliminates the inclusion of total negative found revenues at the Residential level

Duke Energy Progress
 Estimate - January 1, 2020 - December 31, 2020
 Docket Number E-2, Sub 1206
 Projected Program/Portfolio Cost Effectiveness - Vintage 2020

Program	UCT	TRC	RIM	PCT
Residential Programs				
• Energy Education Program for Schools	1.35	1.38	0.51	10.30
• Energy Efficient Appliances & Devices	14.59	15.40	0.88	34.77
• Energy Efficient Lighting	2.01	2.70	0.71	6.42
• EnergyWise Home	5.27	15.93	5.27	
• Multi-Family EE Products & Services	2.65	2.65	0.54	24.31
• My Home Energy Report	1.01	1.01	0.43	
• Neighborhood Energy Saver	0.49	0.49	0.31	2.23
• Residential Energy Assessments	2.15	2.19	0.56	49.13
• Residential New Construction	1.55	4.93	1.30	6.84
• Residential Smart \$aver	1.60	0.97	0.69	1.66
Residential Total	2.56	3.68	1.11	7.90
Non-Residential Programs				
• Non-Residential Smart \$aver	3.36	1.68	0.87	3.32
• Non-Residential Smart \$aver Performance Incentive	4.05	0.99	1.09	1.54
• Small Business Energy Saver	2.51	1.55	0.86	2.85
• EnergyWise® for Business	0.27	0.46	0.27	
• Commercial Industrial Governmental Demand Response	1.84	28.03	1.84	
Non-Residential Total	2.59	1.77	0.92	3.21
Overall Portfolio total	2.57	2.51	1.02	4.52