



**NORTH CAROLINA  
PUBLIC STAFF  
UTILITIES COMMISSION**

October 24, 2020

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

Re: Public Staff Late-Filed Exhibit No. 3  
Docket Nos. E-2, Sub 1193, and E-2, Sub 1219

Dear Ms. Campbell:

Per the Commission’s request during the Duke Energy Progress, LLC (DEP) rate case evidentiary hearing on September 29, 2020, enclosed for filing on behalf of the Public Staff is Public Staff Late-Filed Exhibit No. 3.

Public Staff Late-Filed Exhibit No. 3 is part of a comprehensive response and comprised of two Public Staff late-filed exhibits submitted separately in response to the Commission’s requests. Per Commission Order dated October 21, 2020, both exhibits were to be filed on or before October 23, 2020. One of the two late-filed exhibits, Public Staff Late-Filed Exhibit 2, was filed by the prescribed due date; however, regrettably, the exhibit attached hereto is late. The Public Staff discovered late yesterday, just before filing, areas in the schedules of Late-Filed Exhibit 3, which needed revisions. The revisions that were needed required additional work that extended after the filing deadline. The Public Staff apologizes for filing after the due date and respectfully requests acceptance of this late-filed exhibit into the record of this docket.

By copy of this letter, we are forwarding copies to all parties of record.

Sincerely,

s/ Gina C. Holt  
Staff Attorney  
[gina.holt@psncuc.nc.gov](mailto:gina.holt@psncuc.nc.gov)

**Attachment**

Executive Director  
(919) 733-2435

Accounting  
(919) 733-4279

Consumer Services  
(919) 733-9277

Economic Research  
(919) 733-2267

Energy  
(919) 733-2267

Legal  
(919) 733-6110

Transportation  
(919) 733-7766

Water/Telephone  
(919) 733-5610

Public Staff Late-Filed Exhibit No. 3  
Docket Nos. E-2, Sub 1193, and E-2, Sub 1219

**Request:**

On September 3, 2020, during the expert witness hearing held by the Commission in Docket Nos. E-7, Subs 1213, 1214 and 1187 involving the general rate case application of Duke Energy Carolinas, LLC (DEC), Commissioners Kimberly W. Duffley and Daniel G. Clodfelter requested late-filed exhibits reflecting the impact on revenue requirement using the federal unprotected Excess Deferred Income Taxes (EDIT) to offset certain costs. Commissioner Duffley requested schedules showing the impact on DEC's and the Public Staff's proposed revenue requirement amounts that reflect an offset of federal unprotected EDIT and DEC's coal combustion residual (CCR) compliance costs. Commissioner Clodfelter requested that DEC and the Public Staff provide a schedule reflecting the revenue requirement impact if EDIT were used to offset DEC's calculation of accelerated depreciation associated with the early retirement of coal-fired electric generating plants, based on DEC's requested amount. On September 29, 2020, during the expert witness hearing being held by the Commission in Docket Nos. E-2, Sub 1193 and E-2, Sub 1219 involving the general rate case application of Duke Energy Progress, LLC (DEP or Company), Commissioner Duffley and Presiding Commissioner Clodfelter made the same requests of DEP as were made of DEC concerning these offsets.

**Response:**

EDIT Offset of Early Coal Plant Retirement Accelerated Depreciation:

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
REVENUE IMPACT OF PUBLIC STAFF ADJUSTMENTS

Public Staff  
Late-Filed Exhibit No. 3  
Schedule 1  
COMPARISON

COMPARISON OF BASELINE DEPRECIATION RELATED TO EARLY RETIREMENT AND OFFSET BY EDIT CASE  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Line No.	Item	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11
<b>Company Proposal Depreciation Related to Early Retirements Offset Against Unprotected EDIT 1/</b>												
Increase / (decrease) in base rate revenue requirement from Year 0 amount, includes Company depreciation related to early retirement proposal												
1		\$ 248,751	\$ 246,716	\$ 244,682	\$ 242,647	\$ 240,614	\$ 238,581	\$ 236,545	\$ 234,513	\$ 232,478	\$ 196,899	\$ 157,069
2	Annual federal provisional EDIT Rider for two year period per Second Stipulation 3/	(58,896)	(58,896)	-	-	-	-	-	-	-	-	-
3	Annual state EDIT Rider for two year period per Second Stipulation	(12,812)	(12,812)	-	-	-	-	-	-	-	-	-
4	Annual federal unprotected EDIT Rider for five year period per Second Stipulation	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	-	-	-	-	-	-
5	Regulatory asset/liability rider for one year period recommended	(2,091)	-	-	-	-	-	-	-	-	-	-
6	Change in revenue requirement (Sum of L1 through L5)	<u>\$158,833</u>	<u>\$158,889</u>	<u>\$228,563</u>	<u>\$226,528</u>	<u>\$224,495</u>	<u>\$236,581</u>	<u>\$236,545</u>	<u>\$234,513</u>	<u>\$232,478</u>	<u>\$196,899</u>	<u>\$157,069</u>
<b>Baseline - Company Depreciation Related to Early Retirements Proposal 2/</b>												
Increase / (decrease) in base rate revenue requirement from Year 0 amount, includes Company depreciation related to early retirement proposal												
7		\$ 290,110	\$ 284,002	\$ 277,894	\$ 271,785	\$ 265,677	\$ 259,474	\$ 253,461	\$ 247,352	\$ 241,246	\$ 195,032	\$ 145,710
8	Annual federal provisional EDIT Rider for two year period per Second Stipulation	(58,896)	(58,896)	-	-	-	-	-	-	-	-	-
9	Annual state EDIT Rider for two year period per Second Stipulation	(12,812)	(12,812)	-	-	-	-	-	-	-	-	-
10	Annual federal unprotected EDIT Rider for five year period per Second Stipulation	(80,641)	(80,641)	(80,641)	(80,641)	(80,641)	-	-	-	-	-	-
11	Regulatory asset/liability rider for one year period recommended	(2,091)	-	-	-	-	-	-	-	-	-	-
12	Change in revenue requirement (Sum of L1 through L5)	<u>\$135,670</u>	<u>\$131,653</u>	<u>\$197,253</u>	<u>\$191,144</u>	<u>\$185,036</u>	<u>\$259,474</u>	<u>\$253,461</u>	<u>\$247,352</u>	<u>\$241,246</u>	<u>\$195,032</u>	<u>\$145,710</u>
<b>Change in revenue requirement between baseline and offset</b>												
13	Increase / (decrease) in base rate revenue requirement from Year 0 amount, includes Company coal ash proposal	\$41,359	\$37,286	\$33,212	\$29,138	\$25,063	\$20,893	\$16,916	\$12,839	\$8,768	(\$1,867)	(\$11,359)
14	Annual federal provisional EDIT Rider for two year period per Second Stipulation	-	-	-	-	-	-	-	-	-	-	-
15	Annual state EDIT Rider for two year period per Second Stipulation	-	-	-	-	-	-	-	-	-	-	-
16	Annual federal unprotected EDIT Rider for five year period per Second Stipulation	(64,522)	(64,522)	(64,522)	(64,522)	(64,522)	-	-	-	-	-	-
17	Regulatory asset/liability rider for one year period recommended	-	-	-	-	-	-	-	-	-	-	-
18	Change in revenue requirement (Sum of L13 through L17)	<u>(\$23,163)</u>	<u>(\$27,236)</u>	<u>(\$31,310)</u>	<u>(\$35,384)</u>	<u>(\$39,459)</u>	<u>\$20,893</u>	<u>\$16,916</u>	<u>\$12,839</u>	<u>\$8,768</u>	<u>(\$1,867)</u>	<u>(\$11,359)</u>

1/ Per Late-Filed Exhibit 3(b).  
2/ Per Late-Filed Exhibit 3(a).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**REVENUE IMPACT OF PUBLIC STAFF ADJUSTMENTS**  
**ASSUMPTION: DEPRECIATION AT COMPANY PROPOSAL - NO EDIT OFFSET**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Late-filed Exhibit 3(a)**  
**SUMMARY**  
**Baseline - Depreciation at Company proposal**

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11
1	Recommended inc (dec) in base rate revenue requirement assuming Co position on depreciation	\$ 290,110	\$ 284,002	\$ 277,894	\$ 271,785	\$ 265,677	\$ 259,474	\$ 253,461	\$ 247,352	\$ 241,246	\$ 195,032	\$ 145,710
2	Annual Federal provisional EDIT Rider recommended per Second Stipulation for two year period	(58,896)	(58,896)	-	-	-	-	-	-	-	-	-
3	Annual State EDIT Rider recommended per Second Stipulation for two year period	(12,812)	(12,812)	-	-	-	-	-	-	-	-	-
4	Annual Federal unprotected EDIT Rider recommended per Second Stipulation for five year period	(80,641)	(80,641)	(80,641)	(80,641)	(80,641)	-	-	-	-	-	-
5	Regulatory asset/liability rider for one year period recommended	(2,091)	-	-	-	-	-	-	-	-	-	-
6	Recommended change in revenue requirement assuming Co depreciation position (Sum of Lines 1 thru 5)	<u>\$ 135,670</u>	<u>\$ 131,653</u>	<u>\$ 197,253</u>	<u>\$ 191,144</u>	<u>\$ 185,036</u>	<u>\$ 259,474</u>	<u>\$ 253,461</u>	<u>\$ 247,352</u>	<u>\$ 241,246</u>	<u>\$ 195,032</u>	<u>\$ 145,710</u>

NOTE: Please see Schedule 1 Detail for support.

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
REVENUE IMPACT OF PUBLIC STAFF ADJUSTMENTS

Public Staff  
Late-filed Exhibit 3(a)  
Schedule 1  
Baseline - Depreciation at Company proposal

ASSUMPTION: DEPRECIATION AT COMPANY  
PROPOSAL - NO EDIT OFFSET  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Line No.	Year 1 <sup>1/</sup>	Year 2 <sup>2/</sup>	Year 3 <sup>3/</sup>	Year 4 <sup>4/</sup>	Year 5 <sup>5/</sup>	Year 6 <sup>6/</sup>	Year 7 <sup>7/</sup>	Year 8 <sup>8/</sup>	Year 9 <sup>8/</sup>	Year 10 <sup>8/</sup>	Year 11 <sup>8/</sup>
1	\$ 585,961 <sup>1/</sup>	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961
2	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)
3	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>	<b>\$ 408,933</b>
4	Revenue impact of adjustments: <sup>2/</sup>										
<b>Unsettled Issues:</b>											
5	(1,239) <sup>4/</sup>	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)
6	(15,437) <sup>7/</sup>	(21,530) <sup>7/</sup>	(27,622) <sup>7/</sup>	(33,715) <sup>7/</sup>	(39,808) <sup>7/</sup>	(45,900) <sup>7/</sup>	(51,993) <sup>7/</sup>	(58,086) <sup>7/</sup>	(64,178) <sup>7/</sup>	(70,271) <sup>7/</sup>	(76,364) <sup>7/</sup>
7	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)
8	(103)	(73)	(43)	(13)	17	(47)	77	107	137	223	324
9	(2,230)	(2,276)	(2,321)	(2,367)	(2,412)	(2,458)	(2,503)	(2,549)	(2,594)	(2,639)	(2,684)
10	(1)	-	(1)	(1)	(1)	(2)	(1)	(1)	(1)	(1)	(1)
11	<b>(\$118,505)</b>	<b>(124,613)</b>	<b>(130,721)</b>	<b>(136,830)</b>	<b>(142,938)</b>	<b>(149,046)</b>	<b>(155,154)</b>	<b>(161,263)</b>	<b>(167,369)</b>	<b>(173,477)</b>	<b>(179,585)</b>
<b>Settled Issues:</b>											
12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-
15	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091
16	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)
17	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-	-	-	-	-
34	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)
35	-	-	-	-	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-	-	-	-	-
40	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)
41	-	-	-	-	-	-	-	-	-	-	-
42	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>	<b>(318)</b>
43	<b>(118,823)</b>	<b>(124,931)</b>	<b>(131,039)</b>	<b>(137,148)</b>	<b>(143,256)</b>	<b>(149,364)</b>	<b>(155,472)</b>	<b>(161,581)</b>	<b>(167,689)</b>	<b>(173,797)</b>	<b>(179,905)</b>
44	<b>\$ 290,110 <sup>4/</sup></b>	<b>\$ 284,002 <sup>4/</sup></b>	<b>\$ 277,894 <sup>4/</sup></b>	<b>\$ 271,785 <sup>4/</sup></b>	<b>\$ 265,677 <sup>4/</sup></b>	<b>\$ 259,568 <sup>4/</sup></b>	<b>\$ 253,461 <sup>4/</sup></b>	<b>\$ 247,352 <sup>4/</sup></b>	<b>\$ 241,246 <sup>4/</sup></b>	<b>\$ 195,032 <sup>4/</sup></b>	<b>\$ 145,710 <sup>4/</sup></b>
45	\$ 290,110	\$ 284,002	\$ 277,894	\$ 271,785	\$ 265,677	\$ 259,568	\$ 253,461	\$ 247,352	\$ 241,246	\$ 195,032	\$ 145,710
<b>Settled Issues Riders</b>											
46	(58,896)	(58,896)	-	-	-	-	-	-	-	-	-
47	(12,812)	(12,812)	-	-	-	-	-	-	-	-	-
48	(80,641) <sup>5/</sup>	(80,641)	(80,641)	(80,641)	(80,641)	-	-	-	-	-	-
49	(2,091)	-	-	-	-	-	-	-	-	-	-
50	<b>(154,440) <sup>5/</sup></b>	<b>(152,349)</b>	<b>(80,641)</b>	<b>(80,641)</b>	<b>(80,641)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
51	<b>\$ 135,670 <sup>6/</sup></b>	<b>\$ 131,653 <sup>6/</sup></b>	<b>\$ 127,253 <sup>6/</sup></b>	<b>\$ 122,853 <sup>6/</sup></b>	<b>\$ 118,453 <sup>6/</sup></b>	<b>\$ 114,053 <sup>6/</sup></b>	<b>\$ 109,653 <sup>6/</sup></b>	<b>\$ 105,253 <sup>6/</sup></b>	<b>\$ 100,853 <sup>6/</sup></b>	<b>\$ 96,453 <sup>6/</sup></b>	<b>\$ 92,053 <sup>6/</sup></b>

1/ Smith Supplemental Supplemental Exhibit 1, Page 2, Line 8 (Prior to Company's rider-related revenue adjustment).  
2/ Calculated based on Schedules 2, 3, 4, 5, and backup schedules.  
3/ Reflects the estimated amount of EDIT to be flowed back in interim rates.  
4/ Schedule 5, Line 5.  
5/ Smith Supplemental Exhibit 5.  
6/ Company and Public Staff agree on plant numbers, do not agree to depreciation rates included in the amount.  
7/ Assumes Company position on early retirements.  
8/ The revenue requirement for each year reflects changes from Maness Stipulation Exhibit 1 only for depreciation rates, cash working capital, interest synchronization, and EDIT.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**SUPPORT FOR RECONCILIATION SCHEDULE**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 1-1**

Line No.	Item	Rate Base Impact <sup>1/</sup>	Income Statement Impact <sup>2/</sup>	Total Revenue Impact <sup>3/</sup>
		(a)	(b)	(c)
1	Update plant and accumulated depreciation to May 31, 2020	(\$180)	(\$1,059)	(\$1,239)
2	Adjust unprotected EDIT for refund as a series of riders	-	-	-
3	Adjust for flowback of Protected EDIT	-	-	-
4	Adjust for severance costs	-	-	-
5	Adjust depreciation rates	1,423	(16,860)	(15,437)
6	Adjust to update benefits	-	3,091	3,091
7	Adjust deferred environmental costs	(22,913)	(76,582)	(99,495)
8	Adjust deferred non-ARO environmental costs	-	-	-
9	Adjust Asheville CC Plant in Service costs	-	-	-
10	Adjust Asheville CC deferral	-	-	-
11	Remove Storm Deferral	-	-	-
12	Adjust rate case expense	-	-	-

1/ Maness Second Stipulation Exhibit 1, Schedule 2-1, Line 15.

2/ Maness Second Stipulation Exhibit 1, Schedule 3-1, Line 18.

3/ Column (a) plus Column (b).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**ORIGINAL COST RATE BASE**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 2**

Line No.	Item	Under Present Rates			After Public Staff	
		NC Retail, as Adjusted	Public Staff	After	Recommended Increase	
		Per Company <sup>1/</sup>	Adjustments <sup>2/</sup>	Public Staff Adjustments <sup>3/</sup>	Rate Increase	After Rate Increase <sup>5/</sup>
		(a)	(b)	(c)	(d)	(e)
1	Electric plant in service	\$19,417,003	(\$2,234)	\$19,414,769	\$0	\$19,414,769
2	Accumulated depreciation and amortization	(8,157,546)	16,910	(8,140,636)	-	(8,140,636)
3	Net electric plant in service (L1 + L2)	\$11,259,457	\$14,676	\$11,274,133	\$0	\$11,274,133
4	Materials and supplies	582,130	(0)	582,130	-	582,130
	<u>Other Working Capital</u>					
5	Operating funds per lead-lag study	129,499	(1,215)	128,284	\$25,610 <sup>4/</sup>	153,894
6	Unamortized debt	32,019	-	32,019	-	32,019
7	Regulatory assets and liabilities	(171,137)	(494,329)	(665,466)	-	(665,466)
8	Other	(13,453)	-	(13,453)	-	(13,453)
9	Total other working capital (Sum of L5 through L8)	(23,072)	(495,544)	(518,616)	25,610	(493,006)
10	ARO-related CCR regulatory assets and liabilities	-	142,237	142,237	-	142,237
11	Customer deposits	(116,588)	-	(116,588)	-	(116,588)
12	Accumulated deferred income taxes	(853,730)	81,577	(772,153)	-	(772,153)
13	Adjustments to federal excess deferred income taxes	-	(0)	(0)	-	(0)
14	Operating reserves	(54,705)	-	(54,705)	-	(54,705)
15	Construction work in progress	-	-	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	\$10,793,492	(\$257,054)	\$10,536,438	\$25,610	\$10,562,048

1/ Based on Smith Second Settlement Exhibit 1, Page 4.

2/ Maness Second Stipulation Exhibit 1, Schedule 2-1, Column (q).

3/ Column (a) plus Column (b).

4/ Maness Second Stipulation Exhibit 1, Schedule 2-1(g), Line 80, Column (k).

5/ Column (c) plus Column (d).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF RATE BASE ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)  
For the Test Year Ended December 31, 2018

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 2-1  
Page 1 of 3

Line No.	Item	Update Plant and Accumulated Depreciation to 5/31/2020 <sup>2/</sup>	Remove EDIT Refund for Treatment as a Rider <sup>3/</sup>	Include Flowback of Protected EDIT due to Tax Cuts & Jobs Act <sup>4/</sup>	Adjust Depreciation Rates <sup>5/</sup>	Adjust Severance Costs <sup>6/</sup>	Adjust Storm Deferral <sup>7/</sup>	Adjust Coal Inventory <sup>8/</sup>
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Electric plant in service	(\$2,235)	\$0	\$0	\$0	\$0	\$1	\$0
2	Accumulated depreciation and amortization	112	-	-	\$16,798	-	-	-
3	Net electric plant in service (L1 + L2)	(\$2,123)	\$0	\$0	\$16,798	\$0	\$1	\$0
4	Materials and supplies	-	-	-	-	-	-	(0)
<b>Other Working Capital</b>								
5	Operating funds per lead-lag study	-	-	-	-	-	-	-
6	Unamortized debt	-	-	-	-	-	-	-
7	Regulatory assets and liabilities	-	-	-	-	-	-	-
8	Other	-	-	-	-	-	-	-
9	Total Working Capital	-	-	-	-	-	-	-
10	ARO-related CCR regulatory assets and liabilities	-	-	-	-	-	-	-
11	Customer deposits	-	-	-	-	-	-	-
12	Accumulated deferred income taxes	-	\$0	-	-	-	-	-
13	Adjustments to federal excess deferred income taxes	-	-	(\$0)	-	-	-	-
14	Operating reserves	-	-	-	-	-	-	-
15	Construction work in progress	-	-	-	-	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	<u>(\$2,123)</u>	<u>\$0</u>	<u>(\$0)</u>	<u>\$16,798</u>	<u>\$0</u>	<u>\$1</u>	<u>(\$0)</u>
17	Revenue requirement impact	<sup>1/</sup> <u>(\$180)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,423</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

1/ Line 14 times rate base retention factor of 0.0794134 from Maness Second Stipulation Exhibit 1, Schedule 1-2.

2/ Maness Second Stipulation Exhibit 1, Schedule 2-1(a).

3/ Maness Second Stipulation Exhibit 1, Schedule 2-1(b).

4/ Maness Second Stipulation Exhibit 1, Schedule 3-1(d).

5/ Maness Second Stipulation Exhibit 1, Schedule 3-1(e).

6/ Maness Second Stipulation Exhibit 1, Schedule 3-1(h).

7/ Maness Second Stipulation Exhibit 1, Schedule 3-1(m).

8/ Maness Second Stipulation Exhibit 1, Schedule 2-1(d).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF RATE BASE ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)  
For the Test Year Ended December 31, 2018

Public Staff  
**Maness Second Stipulation Exhibit 1**  
Schedule 2-1  
Page 2 of 3

Line No.	Item	Adjustment to Reclassify CCR Reg. Assets & Liabilities (h)	Adjustment to Deferred Non-ARO Environmental Costs (i)	Adjustment to Remove Deferred Environmental Costs - ARO (j)	Adjustment to Remove Rate Case Expense (k)	Adjustment to COSS - SWP&A Reallocation (l)	Adjust Asheville CC Plant in Service Costs (m)	Adjust Asheville CC Deferral (n)
1	Electric plant in service	\$ -	\$ -	\$ -	\$ -	\$0	\$ -	\$ -
2	Accumulated depreciation and amortization	-	-	-	-	-	-	-
3	Net electric plant in service (L1 + L2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Materials and supplies	-	-	-	-	-	-	-
	<u>Other Working Capital</u>							
5	Operating funds per lead-lag study	-	-	-	-	-	-	-
6	Unamortized debt	-	-	-	-	-	-	-
7	Regulatory assets and liabilities	(494,329)	-	-	-	-	-	-
8	Other	-	-	-	-	-	-	-
9	Total Working Capital	(494,329)	-	-	-	-	-	-
10	ARO-related CCR regulatory assets and liabilities	494,329	-	(352,092)	-	-	-	-
11	Customer deposits	-	-	-	-	-	-	-
12	Accumulated deferred income taxes	-	-	81,577	\$0	-	-	-
13	Adjustments to federal excess deferred income taxes	-	-	-	-	-	-	-
14	Operating reserves	-	-	-	-	-	-	-
15	Construction work in progress	-	-	-	-	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	<u>\$0</u>	<u>\$0</u>	<u>(\$270,515)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
17	Revenue requirement impact	<sup>1/</sup> <u>\$0</u>	<u>\$0</u>	<u>(\$22,913)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

9/ Based on recommendation of Public Staff witness Maness.

10/ Maness Second Stipulation Exhibit 1, Schedule 3-1(r).

11/ Per Second Stipulation.

12/ Maness Second Stipulation Exhibit 1, Schedule 3-1(t).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF RATE BASE ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)  
For the Test Year Ended December 31, 2018

Public Staff  
**Maness Second Stipulation Exhibit 1**  
Schedule 2-1  
Page 3 of 3

Line No.	Item	Adjust W. Asheville Vanderbilt 115kV Project <sup>13/</sup> (o)	Adjust Cash Working Capital <sup>14/</sup> (p)	Total Rate Base Adjustments <sup>15/</sup> (q)
1	Electric plant in service	\$0	\$0	(\$2,234)
2	Accumulated depreciation and amortization	-	-	<u>16,910</u>
3	Net electric plant in service (L1 + L2)	\$0	\$0	\$14,676
4	Materials and supplies	-	-	(0)
<u>Other Working Capital</u>				
5	Operating funds per lead-lag study	-	(1,215)	(1,215)
6	Unamortized debt	-	-	-
7	Regulatory assets and liabilities	-	-	(494,329)
8	Other	-	-	-
9	Total Working Capital	-	(1,215)	(495,544)
10	ARO-related CCR regulatory assets and liabilities	-	-	142,237
11	Customer deposits	-	-	-
12	Accumulated deferred income taxes	-	-	81,577
13	Adjustments to federal excess deferred income taxes	-	-	(0)
14	Operating reserves	-	-	-
15	Construction work in progress	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	<u>\$0</u>	<u>(\$1,215)</u>	<u>(\$257,054)</u>
17	Revenue requirement impact	<sup>1/</sup> <u>\$0</u>	<u>(\$103)</u>	<u>(\$21,773)</u>

13/ Maness Second Stipulation Exhibit 1, Schedule 2-1(c).

14/ Maness Second Stipulation Exhibit 1, Schedule 2-1(f), Line 83.

15/ Sum of Columns (a) through Column (p).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**ADJUSTMENT TO RATE BASE FOR TREATMENT AS A RIDER**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 2-1(b)**

Line No.	Item	Amount
1	Adjustments required to flow back refunds to customers through a Rider:	
2	Adjustment to remove federal unprotected EDIT from rate base	(\$403,750) <sup>1/</sup>
3	Adjustment to remove N.C. state EDIT from rate base	(23,998) <sup>2/</sup>
4	Adjustment to remove over collection of revenues due to FIT rate change from rate base	<u>(110,315) <sup>3/</sup></u>
5	Public Staff adjustments to rate base for tax changes (Sum of Lines 2 through 4)	(\$538,063)
6	Company adjustment to rate base for tax changes	<u>538,063 <sup>4/</sup></u>
7	Adjustment to rate base for tax changes (L5 + L6)	<u><u>\$0</u></u>
	Estimated unprotected EDIT returned through interim rates	58,901
	Remaining unprotected EDIT balance to return through rider	(344,849)

1/ Smith Supplemental Exhibit 4, Line 8, Columns (b) and (c).

2/ Smith Supplemental Exhibit 4, Line 8, Columns (d).

3/ Smith Supplemental Exhibit 4, Line 8, Column (e).

4/ E-1, Item 10, NC-4001(J), Line 2.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**CALCULATION OF WORKING CAPITAL FROM LEAD / LAG**  
**STUDY UNDER PRESENT RATES**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

Public Staff  
**Maness Second Stipulation Exhibit 1**  
**Schedule 2-1(f)**

Line No.	Item	Per Books Amounts <sup>1/</sup>	Company Rate-making Adjustments <sup>2/</sup>	After Company Adjustments <sup>3/</sup>	Public Staff Adjustments <sup>4/</sup>	After Public Staff Adjustments <sup>5/</sup>	Lead / Lag Days <sup>6/</sup>	Working Capital From Lead / Lag Study <sup>7/</sup>	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	
1	Electric operating revenues:								
2	Rate revenues	\$3,575,788	\$ (302,701)	\$3,273,087	\$951	\$3,274,038	41.88	\$375,662	
3	Sales for resale revenues	134,915	-	134,915	-	134,915	33.73	12,468	
4	Provisions for rate refunds	(104,546)	-	(104,546)	-	(104,546)	41.88	(11,996)	
5	Forfeited discounts	7,664	-	7,664	-	7,664	72.30	1,518	
6	Miscellaneous service revenues	5,506	-	5,506	-	5,506	76.00	1,146	
7	Rent revenues - production plant related	4,466	-	4,466	-	4,466	41.63	509	
8	Rent revenues - distribution pole rental revenue	10,901	-	10,901	-	10,901	182.00	5,436	
9	Rent revenues - transmission plant related	382	-	382	-	382	41.63	44	
10	Rent revenues - additional facilities - wholesale	-	-	-	-	-	-	-	
11	Rent revenues - additional facilities - ret.X lighting	4,617	-	4,617	-	4,617	41.63	527	
12	Rent revenues - additional facilities - lighting	3,849	-	3,849	-	3,849	41.63	439	
13	Rent revenues - other	3,413	-	3,413	-	3,413	69.21	638	
14	Other revenues - production plant related	1,184	-	1,184	-	1,184	41.88	136	
15	Other revenues - transmission related	6,208	-	6,208	-	6,208	41.88	712	
16	Other revenues - wholesale D/A	368	-	368	-	368	41.88	42	
17	Other revenues - REPS	1,114	-	1,114	-	1,114	41.88	128	
18	Other revenues - other energy	-	-	-	-	-	-	-	
19	Other revenues - distribution plant related	1,404	-	1,404	-	1,404	41.88	161	
20	Other revenues - NC retail specific	271	-	271	-	271	41.88	31	
21	Electric operating revenues	3,657,503	(302,701)	3,354,802	951	3,355,753	42.16	387,601	
22	Fuel used in electric generation:								
23	O&M production energy - fuel	863,120	(33,473)	829,647	197	829,844	28.49	64,773	
24	RECS consumption expense	18,522	-	18,522	-	18,522	28.49	1,446	
25	Fuel used in electric generation	881,642	(33,473)	848,169	197	848,366	28.49	66,219	
26	Purchased power:								
27	O&M production purchases - capacity cost	67,280	-	67,280	-	67,280	30.29	5,583	
28	O&M production purchases - energy cost	365,384	(1,965)	363,419	-	363,419	30.29	30,159	
29	O&M deferred fuel expense	(273,901)	-	(273,901)	-	(273,901)	28.49	(21,379)	
30	Purchased power	158,763	(1,965)	156,798	-	156,798	33.43	14,363	
31	Other O&M expense:								
32	Labor expense	430,295	(21,820)	408,475	0	408,475	37.07	41,485	
33	Pension & benefits	76,271	(6,358)	69,913	3,080	72,993	13.97	2,794	
34	Regulatory commission expense	7,038	(234)	6,804	-	6,804	93.25	1,738	
35	Property insurance	(526)	-	(526)	-	(526)	(222.30)	320	
36	Injuries & damages - workman's compensation	197	-	197	-	197	-	-	
37	Uncollectible accounts	8,937	-	8,937	-	8,937	-	-	
38	Other O&M expense	528,607	4,836	533,443	(2,642)	530,801	40.52	58,926	
39	Adjust for other revenue	-	(1,048)	-	-	-	(1,048)	37.32	(1,07)
40	Adjust for non-fuel riders/aviation/merger	-	(136,832)	-	-	-	(136,832)	37.32	(13,991)
41	Adjust for non-labor O&M	-	2,345	2,345	-	2,345	33.30	214	
42	Adjust for rate case expense/reg assets & liabilities	-	2,304	2,304	-	2,304	-	-	
43	Adjust for Severance	-	(24,140)	-	-	-	(24,140)	37.07	(2,452)
44	Adjust for Outside Services	-	-	-	-	-	-	37.07	-
45	Adjust for Asheville Plants (Steam & CC) and CertainTeed	-	(6,413)	-	-	-	(6,413)	37.32	(656)
46	Other adjustments to regulatory fees and uncollectibles	-	-	-	-	-	-	-	
47	Total Other O&M expenses	1,050,819	(187,360)	863,459	438	863,897	37.29	88,271	
48	Depreciation   amortization   P&C losses:								
49	Depreciation & amortization	669,787	236,153	905,940	(94,145)	811,796	-	-	
50	Adjust other amortization expense	-	-	-	-	-	-	-	
51	Total depreciation & amortization expense	669,787	236,153	905,940	(94,145)	811,796	-	-	
52	Taxes other than income taxes:								
53	Payroll taxes	26,288	(975)	25,313	-	25,313	48.41	3,357	
54	Property taxes	68,133	9,814	77,947	-	77,947	186.50	39,828	
55	Other taxes - federal heavy vehicle use tax	48	-	48	(8)	40	-	-	
56	Other taxes - electric excise tax - SC	-	-	-	-	-	-	-	
57	Other taxes - privilege tax	12,244	-	12,244	-	12,244	(11.97)	(402)	
58	Miscellaneous taxes - NC	(4,517)	-	(4,517)	-	(4,517)	69.00	(743)	
59	Miscellaneous taxes - SC & other states	1	-	1	-	1	-	129.46	
60	Other taxes - PUC license tax - SC	-	-	-	-	-	-	-	
61	Adjust costs recovered through non-fuel riders	-	(6,458)	-	-	-	(6,458)	137.26	(2,429)
62	Adjust to reflect retirement of Asheville Steam Generating Plant	-	-	-	-	-	-	186.50	
63	Total taxes other than income taxes	102,197	2,381	104,578	(8)	104,570	138.26	39,611	
64	Interest on customer deposits	7,971	-	7,971	-	7,971	137.50	3,003	
65	Income taxes:								
66	Federal income taxes	(49,091)	-	(49,091)	-	(49,091)	44.75	(6,019)	
67	State income taxes	(2,917)	-	(2,917)	-	(2,917)	44.75	(358)	
68	Income taxes - deferred	164,994	(30,548)	134,446	-	134,446	-	-	
69	Adjust NC income taxes for rate change   Synchronize interest expense	-	(111,127)	-	-	-	(111,127)	(20.60)	6,272
70	Adjust costs recovered through non-fuel riders	-	63,168	63,168	-	63,168	-	-	
71	Adjust for Federal & State income taxes	-	(1,796)	-	23,137	21,341	(20.60)	(1,204)	
72	Total income taxes	112,986	(80,303)	32,683	23,137	55,820	(8.56)	(1,309)	
73	Total income taxes	112,986	(80,303)	32,683	23,137	55,820	(8.56)	(1,309)	
74	Amortization of ITC	(2,134)	(1,481)	(3,615)	-	(3,615)	-	-	
75	Total utility operating expenses	2,982,032	(66,048)	2,915,984	(70,381)	2,845,604	26.96	210,158	
76	Interest expense	211,661	(1,669)	209,992	(5,396)	204,596	87.70	49,159	
77	Income available for common equity	463,810	(234,984)	228,826	-	228,826	-	-	
78	Net operating income for return	675,472	(238,653)	436,818	(5,396)	431,422	41.40	48,159	
79	Total requirement	3,657,503	(302,701)	3,354,802	(75,777)	3,279,026	28.87	259,317	
80	Cash working capital per Public Staff, before Sales Tax Adjustment (L21 - (L75 + L76))							128,284	
81	Amount per Books per Company application						160,141 <sup>8/</sup>		
82	ADD(LESS): Accounting Adjustments						(30,642) <sup>8/</sup>	129,499 <sup>8/</sup>	
83	Adjustment to cash working capital							(1,215)	

<sup>1/</sup> E-1, Item No. 14, Lead Lag Summary Detail, NC Retail Jurisdictional Amount.

<sup>2/</sup> E-1, Item 10, NC-2300(J).

<sup>3/</sup> Column (a) plus Column (b).

<sup>4/</sup> Maness Second Stipulation Exhibit 1, Schedule 2-1(f)(1), Column (ad).

<sup>5/</sup> Column (c) plus Column (d).

<sup>6/</sup> E-1, Item No. 14, Lead Lag Summary Detail, as corrected by the Company.

<sup>7/</sup> Column (e) divided by 365 days, multiplied by Column (f).

<sup>8/</sup> Smith Second Settlement Exhibit 1, Page 4d, Line 1, Columns (2), (3), and (4)

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**PUBLIC STAFF ADJUSTMENTS TO BE REFLECTED IN**  
**LEAD LAG CALCULATION**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

Public Staff  
**Maness Second Stipulation Exhibit 1**  
**Schedule 2-1 (f)(1)**  
**Page 1 of 5**

Line No.	Item	Update		Adjust Credit Card Fees	Remove		Include		Adjust Depreciation Rates	Adjust Salaries & Wages
		Update Plant to 5/31/2020	Revenues/ Customer Growth/ Weather to 5/31/2020		EDIT Refunds for Treatment as Riders	Flowback EDIT due to Tax Cuts & Jobs Act				
		(a)	(b)	(c)	(d)	(e)	(f)	(g)		
1	Electric operating revenues:									
2	Rate revenues	\$0	\$951	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Sales for resale revenues	-	-	-	-	-	-	-	-	-
4	Provisions for rate refunds	-	-	-	-	-	-	-	-	-
5	Forfeited discounts	-	-	-	-	-	-	-	-	-
6	Miscellaneous service revenues	-	-	-	-	-	-	-	-	-
7	Rent revenues - production plant related	-	-	-	-	-	-	-	-	-
8	Rent revenues - distribution pole rental revenue	-	-	-	-	-	-	-	-	-
9	Rent revenues - transmission plant related	-	-	-	-	-	-	-	-	-
10	Rent revenues - additional facilities - wholesale	-	-	-	-	-	-	-	-	-
11	Rent revenues - additional facilities - ret X lighting	-	-	-	-	-	-	-	-	-
12	Rent revenues - additional facilities - lighting	-	-	-	-	-	-	-	-	-
13	Rent revenues - other	-	-	-	-	-	-	-	-	-
14	Other revenues - production plant related	-	-	-	-	-	-	-	-	-
15	Other revenues - transmission related	-	-	-	-	-	-	-	-	-
16	Other revenues - wholesale D/A	-	-	-	-	-	-	-	-	-
17	Other revenues - REPS	-	-	-	-	-	-	-	-	-
18	Other revenues - other energy	-	-	-	-	-	-	-	-	-
19	Other revenues - distribution plant related	-	-	-	-	-	-	-	-	-
20	Other revenues - NC retail specific	-	-	-	-	-	-	-	-	-
21	Electric operating revenues	-	951	-	-	-	-	-	-	-
22	Fuel used in electric generation:									
23	O&M production energy - fuel	-	197	-	-	-	-	-	-	-
24	RECS consumption expense	-	-	-	-	-	-	-	-	-
25	Fuel used in electric generation	-	197	-	-	-	-	-	-	-
26	Purchased power:									
27	O&M production purchases - capacity cost	-	-	-	-	-	-	-	-	-
28	O&M production purchases - energy cost	-	-	-	-	-	-	-	-	-
29	O&M deferred fuel expense	-	-	-	-	-	-	-	-	-
30	Purchased power	-	-	-	-	-	-	-	-	-
31	Other O&M expense:									
32	Labor expense	-	-	-	-	-	-	-	-	-
33	Pension & benefits	-	-	-	-	-	-	-	-	-
34	Regulatory commission expense	-	-	-	-	-	-	-	-	-
35	Property insurance	-	-	-	-	-	-	-	-	-
36	Injuries & damages - workman's compensation	-	-	-	-	-	-	-	-	-
37	Uncollectible accounts	-	-	-	-	-	-	-	-	-
38	Other O&M expense	-	(2,147)	-	-	-	-	-	-	-
39	Adjust for other revenue	-	-	-	-	-	-	-	-	-
40	Adjust for non fuel riders/aviation/merger	-	-	-	-	-	-	-	-	-
41	Adjust for non-labor O&M	-	-	-	-	-	-	-	-	-
42	Adjust for rate case expense/reg assets & liabilities	-	-	-	-	-	-	-	-	-
43	Adjust for Severance	-	-	-	-	-	-	-	-	-
44	Adjust for Outside Services	-	-	-	-	-	-	-	-	-
45	Adjust for Asheville Plants (Steam & CC) and CertainTeed	-	-	-	-	-	-	-	-	-
46	Other adjustments to regulatory fees and uncollectibles	-	-	-	-	-	-	-	-	-
47	Total Other O&M expenses	-	(2,147)	-	-	-	-	-	-	-
48	Depreciation   amortization   P&C losses:									
49	Depreciation & amortization	(1,048)	-	-	-	-	-	(16,798)	-	-
50	Adjust other amortization expense	-	-	-	-	-	-	-	-	-
51	Total depreciation & amortization expense	(1,048)	-	-	-	-	-	(16,798)	-	-
52	Taxes other than income taxes:									
53	Payroll taxes	-	-	-	-	-	-	-	-	-
54	Property taxes	-	-	-	-	-	-	-	-	-
55	Other taxes - federal heavy vehicle use tax	(8)	-	-	-	-	-	-	-	-
56	Other taxes - electric excise tax - SC	-	-	-	-	-	-	-	-	-
57	Other taxes - privilege tax	-	-	-	-	-	-	-	-	-
58	Miscellaneous taxes - NC	-	-	-	-	-	-	-	-	-
59	Miscellaneous taxes - SC & other states	-	-	-	-	-	-	-	-	-
60	Other taxes - PUC license tax - SC	-	-	-	-	-	-	-	-	-
61	Adjust costs recovered through non-fuel riders	-	-	-	-	-	-	-	-	-
62	Adjust to reflect retirement of Asheville Steam Generating Plant	-	-	-	-	-	-	-	-	-
63	Total taxes other than income taxes	(8)	-	-	-	-	-	-	-	-
64	Interest on customer deposits	-	-	-	-	-	-	-	-	-
65	Income taxes:									
66	Federal income taxes	-	-	-	-	-	-	-	-	-
67	State income taxes	-	-	-	-	-	-	-	-	-
68	Income taxes - deferred	-	-	-	-	-	-	-	-	-
69	Adjust NC income taxes for rate change   Synchronize interest expense	-	-	-	-	-	-	-	-	-
70	Adjust costs recovered through non-fuel riders	-	-	-	-	-	-	-	-	-
71	Adjust for Federal & State income taxes	245	672	-	-	-	-	3,892	-	-
72	Total income taxes	245	672	-	-	-	-	3,892	-	-
73	Amortization of ITC	-	-	-	-	-	-	-	-	-
74	Amortization of ITC	-	-	-	-	-	-	-	-	-
75	Total utility operating expenses	(811)	(1,278)	-	-	-	-	(12,906)	-	-
76	Interest expense	-	-	-	-	-	-	-	-	-
77	Income available for common equity	811	2,229	-	-	-	-	12,906	-	-
78	Net operating income for return	811	2,229	-	-	-	-	12,906	-	-
79	Total requirement	-	951	-	-	-	-	-	-	-

1/ Based on adjustments made by Public Staff in Maness Stipulation Exhibit 1, Schedule 3-1.

2/ Line 21 minus Line 75 minus Line 77.

3/ Sum of Columns (a) through Column (ad).



DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
PUBLIC STAFF ADJUSTMENTS TO BE REFLECTED IN  
LEAD LAG CALCULATION  
For the Test Year Ended December 31, 2018  
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Line No.	Item	Adjust to Normalize Storm Costs		Adjust Storm Deferral		Adjust Lobbying Expense		Adjust Board of Directors Expense		Adjust Outside Services		Adjust Charitable Contributions, and Corporate Sponsorships & Donations		Adjustment to Inflation Adjustment	
		(c)	1/	(p)	1/	(q)	1/	(r)	1/	(s)	1/	(t)	1/	(u)	
1	Electric operating revenues:														
2	Rate revenues	\$0		\$0		\$0		\$0		\$0		\$0		\$0	
3	Sales for resale revenues	-		-		-		-		-		-		-	
4	Provisions for rate refunds	-		-		-		-		-		-		-	
5	Forfeited discounts	-		-		-		-		-		-		-	
6	Miscellaneous service revenues	-		-		-		-		-		-		-	
7	Rent revenues - production plant related	-		-		-		-		-		-		-	
8	Rent revenues - distribution pole rental revenue	-		-		-		-		-		-		-	
9	Rent revenues - transmission plant related	-		-		-		-		-		-		-	
10	Rent revenues - additional facilities - wholesale	-		-		-		-		-		-		-	
11	Rent revenues - additional facilities - ret X lighting	-		-		-		-		-		-		-	
12	Rent revenues - additional facilities - lighting	-		-		-		-		-		-		-	
13	Rent revenues - other	-		-		-		-		-		-		-	
14	Other revenues - production plant related	-		-		-		-		-		-		-	
15	Other revenues - transmission related	-		-		-		-		-		-		-	
16	Other revenues - wholesale D/A	-		-		-		-		-		-		-	
17	Other revenues - REPS	-		-		-		-		-		-		-	
18	Other revenues - other energy	-		-		-		-		-		-		-	
19	Other revenues - distribution plant related	-		-		-		-		-		-		-	
20	Other revenues - NC retail specific	-		-		-		-		-		-		-	
21	Electric operating revenues	-		-		-		-		-		-		-	
22	Fuel used in electric generation:														
23	O&M production energy - fuel	-		-		-		-		-		-		-	
24	RECS consumption expense	-		-		-		-		-		-		-	
25	Fuel used in electric generation	-		-		-		-		-		-		-	
26	Purchased power:														
27	O&M production purchases - capacity cost	-		-		-		-		-		-		-	
28	O&M production purchases - energy cost	-		-		-		-		-		-		-	
29	O&M deferred fuel expense	-		-		-		-		-		-		-	
30	Purchased power	-		-		-		-		-		-		-	
31	Other O&M expense:														
32	Labor expense	-		-		-		-		-		-		-	
33	Pension & benefits	-		-		-		-		-		-		-	
34	Regulatory commission expense	-		-		-		-		-		-		-	
35	Property insurance	-		-		-		-		-		-		-	
36	Injuries & damages - workman's compensation	-		-		-		-		-		-		-	
37	Uncollectible accounts	-		-		-		-		-		-		-	
38	Other O&M expense	-		-		-		-		-		-		-	
39	Adjust for other revenue	-		-		-		-		-		-		-	
40	Adjust for non fuel riders/aviation/merger	-		-		-		-		-		-		-	
41	Adjust for non-labor O&M	-		-		-		-		-		-		-	
42	Adjust for rate case expense/reg assets & liabilities	-		-		-		-		-		-		-	
43	Adjust for Severance	-		-		-		-		-		-		-	
44	Adjust for Outside Services	-		-		-		-		-		-		-	
45	Adjust for Asheville Plants (Steam & CC) and CertainTeed	-		-		-		-		-		-		-	
46	Other adjustments to regulatory fees and uncollectibles	-		-		-		-		-		-		-	
47	Total Other O&M expenses	-		-		-		-		-		-		-	(45)
48	Depreciation   amortization   P&C losses:														
49	Depreciation & amortization	-		-		-		-		-		-		-	
50	Adjust other amortization expense	-		-		-		-		-		-		-	
51	Total depreciation & amortization expense	-		-		-		-		-		-		-	
52	Taxes other than income taxes:														
53	Payroll taxes	-		-		-		-		-		-		-	
54	Property taxes	-		-		-		-		-		-		-	
55	Other taxes - federal heavy vehicle use tax	-		-		-		-		-		-		-	
56	Other taxes - electric excise tax - SC	-		-		-		-		-		-		-	
57	Other taxes - privilege tax	-		-		-		-		-		-		-	
58	Miscellaneous taxes - NC	-		-		-		-		-		-		-	
59	Miscellaneous taxes - SC & other states	-		-		-		-		-		-		-	
60	Other taxes - PUC license tax - SC	-		-		-		-		-		-		-	
61	Adjust costs recovered through non-fuel riders	-		-		-		-		-		-		-	
62	Adjust to reflect retirement of Asheville Steam Generating Plant	-		-		-		-		-		-		-	
63	Total taxes other than income taxes	-		-		-		-		-		-		-	
64	Interest on customer deposits	-		-		-		-		-		-		-	
65	Income taxes:														
66	Federal income taxes	-		-		-		-		-		-		-	
67	State income taxes	-		-		-		-		-		-		-	
68	Income taxes - deferred	-		-		-		-		-		-		-	
69	Adjust NC income taxes for rate change   Synchronize interest expense	-		-		-		-		-		-		-	
70	Adjust costs recovered through non-fuel riders	-		-		-		-		-		-		-	
71	Adjust for Federal & State income taxes	-		-		-		-		-		-		-	10
72	Total income taxes	-		-		-		-		-		-		-	10
73	Amortization of ITC	-		-		-		-		-		-		-	
74	Amortization of ITC	-		-		-		-		-		-		-	
75	Total utility operating expenses	-		-		-		-		-		-		-	(35)
76	Interest expense	-		-		-		-		-		-		-	
77	Income available for common equity	-		-		-		-		-		-		-	35
78	Net operating income for return	-		-		-		-		-		-		-	35
79	Total requirement	-		-		-		-		-		-		-	

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
PUBLIC STAFF ADJUSTMENTS TO BE REFLECTED IN  
LEAD LAG CALCULATION  
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Line No.	Item	Adjustment to Remove CertainTeeed Payment Obligation		Adjustment to Nuclear Decommissioning Expense		Adjustment to Remove Rate Case Expense		Update to Benefits		Adjust Asheville CC Plant in Service Costs		Adjust Asheville CC Deferral	
		1/	1/	1/	1/	1/	1/	1/	1/	1/	1/	1/	1/
		(v)	(w)	(x)	(y)	(z)	(aa)						
1	Electric operating revenues:												
2	Rate revenues	\$0	\$0	\$0	\$0	\$0	\$0						
3	Sales for resale revenues	-	-	-	-	-	-						
4	Provisions for rate refunds	-	-	-	-	-	-						
5	Forfeited discounts	-	-	-	-	-	-						
6	Miscellaneous service revenues	-	-	-	-	-	-						
7	Rent revenues - production plant related	-	-	-	-	-	-						
8	Rent revenues - distribution pole rental revenue	-	-	-	-	-	-						
9	Rent revenues - transmission plant related	-	-	-	-	-	-						
10	Rent revenues - additional facilities - wholesale	-	-	-	-	-	-						
11	Rent revenues - additional facilities - ret X lighting	-	-	-	-	-	-						
12	Rent revenues - additional facilities - lighting	-	-	-	-	-	-						
13	Rent revenues - other	-	-	-	-	-	-						
14	Other revenues - production plant related	-	-	-	-	-	-						
15	Other revenues - transmission related	-	-	-	-	-	-						
16	Other revenues - wholesale D/A	-	-	-	-	-	-						
17	Other revenues - REPS	-	-	-	-	-	-						
18	Other revenues - other energy	-	-	-	-	-	-						
19	Other revenues - distribution plant related	-	-	-	-	-	-						
20	Other revenues - NC retail specific	-	-	-	-	-	-						
21	Electric operating revenues	-	-	-	-	-	-						\$0
22	Fuel used in electric generation:												
23	O&M production energy - fuel	-	-	-	-	-	-						
24	RECS consumption expense	-	-	-	-	-	-						
25	Fuel used in electric generation	-	-	-	-	-	-						
26	Purchased power:												
27	O&M production purchases - capacity cost	-	-	-	-	-	-						
28	O&M production purchases - energy cost	-	-	-	-	-	-						
29	O&M deferred fuel expense	-	-	-	-	-	-						
30	Purchased power	-	-	-	-	-	-						
31	Other O&M expense:												
32	Labor expense	-	-	-	-	-	-						
33	Pension & benefits	-	-	-	-	-	-	3,080					
34	Regulatory commission expense	-	-	-	-	-	-						
35	Property insurance	-	-	-	-	-	-						
36	Injuries & damages - workman's compensation	-	-	-	-	-	-						
37	Uncollectible accounts	-	-	-	-	-	-						
38	Other O&M expense	-	-	-	-	-	-						
39	Adjust for other revenue	-	-	-	-	-	-						
40	Adjust for non fuel riders/aviation/merger	-	-	-	-	-	-						
41	Adjust for non-labor O&M	-	-	-	-	-	-						
42	Adjust for rate case expense/reg assets & liabilities	-	-	-	-	-	-						
43	Adjust for Severance	-	-	-	-	-	-						
44	Adjust for Outside Services	-	-	-	-	-	-						
45	Adjust for Asheville Plants (Steam & CC) and CertainTeeed	-	-	-	-	-	-						
46	Other adjustments to regulatory fees and uncollectibles	-	-	-	-	-	-						
47	Total Other O&M expenses	-	-	-	-	-	-	3,080					
48	Depreciation   amortization   P&C losses:												
49	Depreciation & amortization	-	-	-	-	-	-						
50	Adjust other amortization expense	-	-	-	-	-	-						
51	Total depreciation & amortization expense	-	-	-	-	-	-						
52	Taxes other than income taxes:												
53	Payroll taxes	-	-	-	-	-	-						
54	Property taxes	-	-	-	-	-	-						
55	Other taxes - federal heavy vehicle use tax	-	-	-	-	-	-						
56	Other taxes - electric excise tax - SC	-	-	-	-	-	-						
57	Other taxes - privilege tax	-	-	-	-	-	-						
58	Miscellaneous taxes - NC	-	-	-	-	-	-						
59	Miscellaneous taxes - SC & other states	-	-	-	-	-	-						
60	Other taxes - PUC license tax - SC	-	-	-	-	-	-						
61	Adjust costs recovered through non-fuel riders	-	-	-	-	-	-						
62	Adjust to reflect retirement of Asheville Steam Generating Plant	-	-	-	-	-	-						
63	Total taxes other than income taxes	-	-	-	-	-	-						
64	Interest on customer deposits	-	-	-	-	-	-						
65	Income taxes:												
66	Federal income taxes	-	-	-	-	-	-						
67	State income taxes	-	-	-	-	-	-						
68	Income taxes - deferred	-	-	-	-	-	-						
69	Adjust NC income taxes for rate change   Synchronize interest expense	-	-	-	-	-	-						
70	Adjust costs recovered through non-fuel riders	-	-	-	-	-	-						
71	Adjust for Federal & State income taxes	-	-	-	-	-	-	(714)					
72	Total income taxes	-	-	-	-	-	-	(714)					
73	Amortization of ITC	-	-	-	-	-	-						
74	Amortization of ITC	-	-	-	-	-	-						
75	Total utility operating expenses	-	-	-	-	-	-	2,366					
76	Interest expense	-	-	-	-	-	-						
77	Income available for common equity	-	-	-	-	-	-	(2,366)					
78	Net operating income for return	-	-	-	-	-	-	(2,366)					
79	Total requirement	-	-	-	-	-	-						

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**PUBLIC STAFF ADJUSTMENTS TO BE REFLECTED IN  
LEAD LAG CALCULATION**  
For the Test Year Ended December 31, 2018  
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Line No.	Item	Adjust for Asheville Production Displacement (ab) <sup>1/</sup>	Interest Synchronization (ac) <sup>1/</sup>	Total Public Staff Adjustments (ad) <sup>3/</sup>
1	Electric operating revenues:			
2	Rate revenues	\$0	\$0	\$951
3	Sales for resale revenues	-	-	-
4	Provisions for rate refunds	-	-	-
5	Forfeited discounts	-	-	-
6	Miscellaneous service revenues	-	-	-
7	Rent revenues - production plant related	-	-	-
8	Rent revenues - distribution pole rental revenue	-	-	-
9	Rent revenues - transmission plant related	-	-	-
10	Rent revenues - additional facilities - wholesale	-	-	-
11	Rent revenues - additional facilities - ret X lighting	-	-	-
12	Rent revenues - additional facilities - lighting	-	-	-
13	Rent revenues - other	-	-	-
14	Other revenues - production plant related	-	-	-
15	Other revenues - transmission related	-	-	-
16	Other revenues - wholesale D/A	-	-	-
17	Other revenues - REPS	-	-	-
18	Other revenues - other energy	-	-	-
19	Other revenues - distribution plant related	-	-	-
20	Other revenues - NC retail specific	-	-	-
21	Electric operating revenues	<u>\$0</u>	<u>-</u>	<u>\$951</u>
22	Fuel used in electric generation:			
23	O&M production energy - fuel	-	-	197
24	RECS consumption expense	-	-	-
25	Fuel used in electric generation	<u>-</u>	<u>-</u>	<u>197</u>
26	Purchased power:			
27	O&M production purchases - capacity cost	-	-	-
28	O&M production purchases - energy cost	-	-	-
29	O&M deferred fuel expense	-	-	-
30	Purchased power	<u>-</u>	<u>-</u>	<u>-</u>
31	Other O&M expense:			
32	Labor expense	-	-	0
33	Pension & benefits	-	-	3,080
34	Regulatory commission expense	-	-	-
35	Property insurance	-	-	-
36	Injuries & damages - workman's compensation	-	-	-
37	Uncollectible accounts	-	-	-
38	Other O&M expense	(450)	-	(2,642)
39	Adjust for other revenue	-	-	-
40	Adjust for non-fuel riders/aviation/merger	-	-	-
41	Adjust for non-labor O&M	-	-	-
42	Adjust for rate case expense/reg assets & liabilities	-	-	-
43	Adjust for Severance	-	-	-
44	Adjust for Outside Services	-	-	-
45	Adjust for Asheville Plants (Steam & CC) and CertainTeed	-	-	-
46	Other adjustments to regulatory fees and uncollectibles	-	-	-
47	Total Other O&M expenses	<u>(450)</u>	<u>-</u>	<u>438</u>
48	Depreciation   amortization   P&C losses:			
49	Depreciation & amortization	-	-	(94,145)
50	Adjust other amortization expense	-	-	-
51	Total depreciation & amortization expense	<u>-</u>	<u>-</u>	<u>(94,145)</u>
52	Taxes other than income taxes:			
53	Payroll taxes	-	-	-
54	Property taxes	-	-	-
55	Other taxes - federal heavy vehicle use tax	-	-	(8)
56	Other taxes - electric excise tax - SC	-	-	-
57	Other taxes - privilege tax	-	-	-
58	Miscellaneous taxes - NC	-	-	-
59	Miscellaneous taxes - SC & other states	-	-	-
60	Other taxes - PUC license tax - SC	-	-	-
61	Adjust costs recovered through non-fuel riders	-	-	-
62	Adjust to reflect retirement of Asheville Steam Generating Plant	-	-	-
63	Total taxes other than income taxes	<u>-</u>	<u>-</u>	<u>(8)</u>
64	Interest on customer deposits	<u>-</u>	<u>-</u>	<u>-</u>
65	Income taxes:			
66	Federal income taxes	-	-	-
67	State income taxes	-	-	-
68	Income taxes - deferred	-	-	-
69	Adjust NC income taxes for rate change   Synchronize interest expense	-	-	-
70	Adjust costs recovered through non-fuel riders	-	-	-
71	Adjust for Federal & State income taxes	104	1,250	23,137
72	Total income taxes	<u>104</u>	<u>1,250</u>	<u>23,137</u>
73	Amortization of ITC	<u>-</u>	<u>-</u>	<u>-</u>
74	Amortization of ITC	<u>-</u>	<u>-</u>	<u>-</u>
75	Total utility operating expenses	<u>(346)</u>	<u>1,250</u>	<u>(70,381)</u>
76	Interest expense	-	(5,396)	(5,396)
77	Income available for common equity	<u>346</u>	<u>4,146</u>	<u>76,727</u>
78	Net operating income for return	<u>346</u>	<u>(1,250)</u>	<u>71,331</u>
79	Total requirement	<u>-</u>	<u>0</u>	<u>951</u>

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**CALCULATION OF WORKING CAPITAL FROM LEAD / LAG**  
**STUDY AFTER RATE INCREASE**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
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Line No.	Item	Under	Lead Lag Days	Iteration 1		CWC Change
		Present Rates Alter Adjustments		Increase	With Increase	
		(a)	(b)	(c)	(d)	(e)
1	Electric operating revenues:					
2	Rate revenues	\$3,274,038	41.88	\$388,197	\$3,662,234	\$44,542
3	Sales for resale revenues	134,915	33.73	-	134,915	-
4	Provisions for rate refunds	(104,546)	41.88	-	(104,546)	-
5	Forfeited discounts	7,664	72.30	-	7,664	-
6	Miscellaneous service revenues	5,506	76.00	-	5,506	-
7	Rent revenues - production plant related	4,466	41.63	-	4,466	-
8	Rent revenues - distribution pole rental revenue	10,901	182.00	-	10,901	-
9	Rent revenues - transmission plant related	382	41.63	-	382	-
10	Rent revenues - additional facilities - wholesale	-	-	-	-	-
11	Rent revenues - additional facilities - ret. X lighting	4,617	41.63	-	4,617	-
12	Rent revenues - additional facilities - lighting	3,849	41.63	-	3,849	-
13	Rent revenues - other	3,413	68.21	-	3,413	-
14	Other revenues - production plant related	1,184	41.88	-	1,184	-
15	Other revenues - transmission related	6,208	41.88	-	6,208	-
16	Other revenues - wholesale DIA	368	41.88	-	368	-
17	Other revenues - REPS	1,114	41.88	-	1,114	-
18	Other revenues - other energy	-	-	-	-	-
19	Other revenues - distribution plant related	1,404	41.88	-	1,404	-
20	Other revenues - NC retail specific	271	41.88	-	271	-
21	Electric operating revenues	\$3,355,753	42.16	\$388,197	\$3,743,950	\$44,542
22	Fuel used in electric generation:					
23	O&M production energy - fuel	829,844	28.49	-	829,844	-
24	RECS consumption expense	18,522	28.49	-	18,522	-
25	Fuel used in electric generation	846,366	28.49	-	846,366	-
26	Purchased power:					
27	O&M production purchases - capacity cost	67,280	30.29	-	67,280	-
28	O&M production purchases - energy cost	363,419	30.29	-	363,419	-
29	O&M deferred fuel expense	(273,901)	28.49	-	(273,901)	-
30	Purchased power	156,798	33.43	-	156,798	-
31	Other O&M expense:					
32	Labor expense	408,475	37.07	-	408,475	-
33	Pension & benefits	72,993	13.97	-	72,993	-
34	Regulatory commission expense	6,804	93.25	-	6,804	-
35	Property insurance	(526)	(222.30)	-	(526)	-
36	Injuries & damages - workman's compensation	197	-	-	197	-
37	Uncollectible accounts	8,937	-	-	8,937	-
38	Other O&M expense	530,801	40.52	-	530,801	-
39	Adjust for other revenue	(1,048)	37.32	-	(1,048)	-
40	Adjust for non fuel riders/aviation/merger	(136,832)	37.32	-	(136,832)	-
41	Adjust for non-labor O&M	2,345	33.30	-	2,345	-
42	Adjust for rate case expense/reg assets & liabilities	2,304	-	-	2,304	-
43	Adjust for Severance	(24,140)	37.07	-	(24,140)	-
44	Adjust for Outside Services	-	37.07	-	-	-
45	Adjust for Asheville Plants (Steam & CC) and CertainTeed	(6,413)	37.32	-	(6,413)	-
46	Other adjustments to regulatory fees and uncollectibles	-	-	-	-	-
47	Total Other O&M expenses	863,897	37.29	-	863,897	-
48	Depreciation   amortization   P&C losses:					
49	Depreciation & amortization	811,796	-	-	811,796	-
50	Adjust other amortization expense	-	-	-	-	-
51	Total depreciation & amortization expense	811,796	-	-	811,796	-
52	Taxes other than income taxes:					
53	Payroll taxes	25,313	48.41	-	25,313	-
54	Property taxes	77,947	186.50	-	77,947	-
55	Other taxes - federal heavy vehicle use tax	40	-	-	40	-
56	Other taxes - electric excise tax - SC	-	-	-	-	-
57	Other taxes - privilege tax	12,244	(11.97)	-	12,244	-
58	Miscellaneous taxes - NC	(4,517)	60.00	-	(4,517)	-
59	Miscellaneous taxes - SC & other states	1	129.46	-	1	-
60	Other taxes - PUC license tax - SC	-	-	-	-	-
61	Adjust costs recovered through non-fuel riders	(6,458)	137.26	-	(6,458)	-
62	Adjust to reflect retirement of Asheville Steam Generating Plant	-	186.50	-	-	-
63	Total taxes other than income taxes	104,570	138.26	-	104,570	-
64	Interest on customer deposits	7,971	137.50	-	7,971	-
65	Income taxes:					
66	Federal income taxes	(49,091)	44.75	-	(49,091)	-
67	State income taxes	(2,917)	44.75	-	(2,917)	-
68	Income taxes - deferred	134,446	-	-	134,446	-
69	Adjust NC income taxes for rate change   Synchronize interest expense	(111,127)	(20.60)	-	(111,127)	-
70	Adjust costs recovered through non-fuel riders	63,168	-	-	63,168	-
71	Adjust for Federal & State income taxes	21,341	(20.60)	-	21,341	-
72	Total income taxes	55,821	(8.56)	-	55,821	-
73						
74	Amortization of ITC	(3,615)	-	-	(3,615)	-
75	Total electric operating expenses	2,845,604	-	-	2,845,604	-
76	Interest expense	204,596	87.70	-	204,596	-
77	Income available for common equity	228,826	-	297,153	525,979	-
78	Net operating income for return	433,422	-	297,153	730,575	-
79	Total requirement	\$3,279,026	-	\$297,153	\$3,576,179	\$0
80	Cumulative change in working capital					\$44,542
81	Rate base under present rates					10,536,438
82	Rate base after rate increase	\$10,536,438				\$10,580,980
83	Overall rate of return (L78 / L82)	4.11%				6.90%
84	Target rate of return	6.93%				6.93%

1/ Maness Second Stipulation Exhibit 1, Schedule 2-1(f), Column (e).  
2/ Maness Second Stipulation Exhibit 1, Sch. 2, Line 16, Column (c).  
3/ Maness Second Stipulation Exhibit 1, Sch. 4, Line 3, Column (h).  
4/ Maness Second Stipulation Exhibit 1, Schedule 2-1(f), Column (f).  
5/ Line 21 minus (Sum of Line 3 through Line 20).

6/ Line 77 divided by equity retention factor of 0.7654709 from Maness Stipulation Exhibit 1, Schedule 1-2, Line 14.  
7/ Column (d) minus Column (a).  
8/ Column (a) plus Column (c), unless footnoted otherwise.  
9/ Line 82, Column (a) multiplied by 50.000% multiplied by 9.000%.  
10/ Column (c) divided by 365 days multiplied by Column (b).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**CALCULATION OF WORKING CAPITAL FROM LEAD / LAG  
STUDY AFTER RATE INCREASE**  
For the Tact Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)  
**0**

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 2-1(g)  
Page 2 of 2

Line No.	Item	Iteration 2			Iteration 3			After Increase	
		Increase (f)	With Increase (g) <sup>12/</sup>	CWC Change (h) <sup>16/</sup>	Increase (i)	With Increase (j) <sup>19/</sup>	CWC Change (k) <sup>23/</sup>	Cumulative Increase (l) <sup>24/</sup>	After Increase (m) <sup>25/</sup>
1	Electric operating revenues:								
2	Rate revenues	(164,705) <sup>5/</sup>	\$3,497,530	(\$18,898)	(\$1,297) <sup>5/</sup>	\$3,496,233	(\$149)	\$222,195	\$3,496,233
3	Sales for resale revenues	-	134,915	-	-	134,915	-	-	134,915
4	Provisions for rate refunds	-	(104,546)	-	-	(104,546)	-	-	(104,546)
5	Forfeited discounts	-	7,664	-	-	7,664	-	-	7,664
6	Miscellaneous service revenues	-	5,506	-	-	5,506	-	-	5,506
7	Rent revenues - production plant related	-	4,466	-	-	4,466	-	-	4,466
8	Rent revenues - distribution pole rental revenue	-	10,901	-	-	10,901	-	-	10,901
9	Rent revenues - transmission plant related	-	382	-	-	382	-	-	382
10	Rent revenues - additional facilities - wholesale	-	-	-	-	-	-	-	-
11	Rent revenues - additional facilities - ret. X lighting	-	4,617	-	-	4,617	-	-	4,617
12	Rent revenues - additional facilities - lighting	-	3,849	-	-	3,849	-	-	3,849
13	Rent revenues - other	-	3,413	-	-	3,413	-	-	3,413
14	Other revenues - production plant related	-	1,184	-	-	1,184	-	-	1,184
15	Other revenues - transmission related	-	6,208	-	-	6,208	-	-	6,208
16	Other revenues - wholesale D/A	-	368	-	-	368	-	-	368
17	Other revenues - REPS	-	1,114	-	-	1,114	-	-	1,114
18	Other revenues - other energy	-	-	-	-	-	-	-	-
19	Other revenues - distribution plant related	-	1,404	-	-	1,404	-	-	1,404
20	Other revenues - NC retail specific	-	271	-	-	271	-	-	271
21	Electric operating revenues	(164,705) <sup>11/</sup>	3,579,245 <sup>13/</sup>	(18,898)	(1,297) <sup>17/</sup>	3,577,948 <sup>20/</sup>	(149)	222,195	\$3,577,948
22	Fuel used in electric generation:								
23	O&M production energy - fuel	-	829,844	-	-	829,844	-	-	829,844
24	RECS consumption expense	-	18,522	-	-	18,522	-	-	18,522
25	Fuel used in electric generation	-	848,366	-	-	848,366	-	-	848,366
26	Purchased power:								
27	O&M production purchases - capacity cost	-	67,280	-	-	67,280	-	-	67,280
28	O&M production purchases - energy cost	-	363,419	-	-	363,419	-	-	363,419
29	O&M deferred fuel expense	-	(273,901)	-	-	(273,901)	-	-	(273,901)
30	Purchased power	-	156,798	-	-	156,798	-	-	156,798
31	Other O&M expense:								
32	Labor expense	-	408,475	-	-	408,475	-	-	408,475
33	Pension & benefits	-	72,993	-	-	72,993	-	-	72,993
34	Regulatory commission expense	-	6,804	-	-	6,804	-	-	6,804
35	Property insurance	-	(526)	-	-	(526)	-	-	(526)
36	Injuries & damages - workman's compensation	-	197	-	-	197	-	-	197
37	Uncollectible accounts	-	8,937	-	-	8,937	-	-	8,937
38	Other O&M expense	-	530,801	-	-	530,801	-	-	530,801
39	Adjust for other revenue	-	(1,048)	-	-	(1,048)	-	-	(1,048)
40	Adjust for non fuel riders/aviation/merger	-	(136,832)	-	-	(136,832)	-	-	(136,832)
41	Adjust for non-labor O&M	-	2,345	-	-	2,345	-	-	2,345
42	Adjust for rate case expense/reg assets & liabilities	-	2,304	-	-	2,304	-	-	2,304
43	Adjust for Severance	-	(24,140)	-	-	(24,140)	-	-	(24,140)
44	Adjust for Outside Services	-	-	-	-	-	-	-	-
45	Adjust for Asheville Plants (Steam & CC) and CertainTeed	-	(6,413)	-	-	(6,413)	-	-	(6,413)
46	Other adjustments to regulatory fees and uncollectibles	-	-	-	-	-	-	-	-
47	Total Other O&M expenses	-	863,897	-	-	863,897	-	-	863,897
48	Depreciation   amortization   P&C losses:								
49	Depreciation & amortization	-	811,796	-	-	811,796	-	-	811,796
50	Adjust other amortization expense	-	-	-	-	-	-	-	-
51	Total depreciation & amortization expense	-	811,796	-	-	811,796	-	-	811,796
52	Taxes other than income taxes:								
53	Payroll taxes	-	25,313	-	-	25,313	-	-	25,313
54	Property taxes	-	77,947	-	-	77,947	-	-	77,947
55	Other taxes - federal heavy vehicle use tax	-	40	-	-	40	-	-	40
56	Other taxes - electric excise tax - SC	-	-	-	-	-	-	-	-
57	Other taxes - privilege tax	-	12,244	-	-	12,244	-	-	12,244
58	Miscellaneous taxes - NC	-	(4,517)	-	-	(4,517)	-	-	(4,517)
59	Miscellaneous taxes - SC & other states	-	1	-	-	1	-	-	1
60	Other taxes - PUC license tax - SC	-	-	-	-	-	-	-	-
61	Adjust costs recovered through non-fuel riders	-	(6,458)	-	-	(6,458)	-	-	(6,458)
62	Adjust to reflect retirement of Asheville Steam Generating Plant	-	-	-	-	-	-	-	-
63	Total taxes other than income taxes	-	104,570	-	-	104,570	-	-	104,570
64	Interest on customer deposits	-	7,971	-	-	7,971	-	-	7,971
65	Income taxes:								
66	Federal income taxes	-	(49,091)	-	-	(49,091)	-	-	(49,091)
67	State income taxes	-	(2,917)	-	-	(2,917)	-	-	(2,917)
68	Income taxes - deferred	-	134,446	-	-	134,446	-	-	134,446
69	Adjust NC income taxes for rate change   Synchronize interest expense	-	(111,127)	-	-	(111,127)	-	-	(111,127)
70	Adjust costs recovered through non-fuel riders	-	63,168	-	-	63,168	-	-	63,168
71	Adjust for Federal & State income taxes	-	21,341	-	-	21,341	-	-	21,341
72	Total income taxes	-	55,821	-	-	55,821	-	-	55,821
73									
74	Amortization of ITC	-	(3,615)	-	-	(3,615)	-	-	(3,615)
75	Total electric operating expenses	-	2,845,604	-	-	2,845,604	-	-	2,845,604
76	Interest expense	842 <sup>11/</sup>	205,438 <sup>14/</sup>	202	(363) <sup>18/</sup>	205,075 <sup>21/</sup>	(87)	479	205,075
77	Income available for common equity	2,224 <sup>11/</sup>	528,203 <sup>15/</sup>	-	(934) <sup>18/</sup>	527,269 <sup>22/</sup>	-	298,443	527,269
78	Net operating income for return	3,066	733,641	202	(1,297)	732,344	(87)	298,922	732,344
79	Total requirement	3,066	3,579,245	202	(1,297)	3,577,948	(87)	298,922	3,577,948
80	Cumulative change in working capital			\$25,846			\$25,610		\$25,610
81	Rate base under present rates			10,536,438			10,536,438		10,536,438
82	Rate base after rate increase			\$10,562,284			\$10,562,048		\$10,562,048
83	Overall rate of return (L78 / L82)			6.95%			6.93%		6.93%
84	Target rate of return			6.93% <sup>3/</sup>			6.93% <sup>3/</sup>		6.93% <sup>3/</sup>

11/ Column (g) minus Column (d).

12/ Column (d) plus Column (f), unless footnoted otherwise.

13/ Column (g), Line 79.

14/ Line 82, Column (e) multiplied by 50.000% multiplied by 4.107%.

15/ Line 82, Column (e) multiplied by 50.000% multiplied by 9.000%.

16/ Column (f) divided by 365 days multiplied by Column (b).

17/ Column (g) minus Column (g).

18/ Column (g) minus Column (g).

19/ Column (g) plus Column (i), unless footnoted otherwise.

20/ Column (j), Line 79.

21/ Line 82, Column (h) multiplied by 50.000% multiplied by 4.107%.

22/ Line 82, Column (h) multiplied by 50.000% multiplied by 9.000%.

23/ Column (i) divided by 365 days multiplied by Column (b).

24/ Column (c) plus Column (f) plus Column (i).

25/ Column (a) plus Column (l), unless footnoted otherwise.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**NET OPERATING INCOME FOR RETURN**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 3**

Line No.		Under Present Rates			After Public Staff	
		NC Retail Adjusted Per Company <sup>1/</sup>	Public Staff Adjustments <sup>2/</sup>	After Public Staff Adjustments <sup>3/</sup>	Recommended Increase Rate	After Rate Increase <sup>7/</sup>
		(a)	(b)	(c)	(d)	(e)
1	Electric operating revenues:					
2	Sales of electricity	\$ 3,354,802	\$951	\$3,355,753	\$290,109 <sup>4/</sup>	\$3,645,862
3	Other revenues	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	<u>\$3,354,802</u>	<u>\$951</u>	<u>\$3,355,753</u>	<u>\$290,109</u>	<u>\$3,645,862</u>
5	Electric operating expenses:					
6	Operations and maintenance:					
7	Fuel used in electric generation	848,169	197	848,366	-	848,366
8	Purchased power	156,798	-	156,798	-	156,798
9	Other operations and maintenance expenses	863,460	438	863,898	1,071 <sup>5/</sup>	864,969
10	Depreciation and amortization	905,941	(94,145)	811,796	-	811,796
11	General taxes	104,578	(8)	104,570	-	104,570
12	Interest on customer deposits	7,971	-	7,971	-	7,971
13	Net income taxes	63,330	23,043	86,373	66,852 <sup>6/</sup>	153,225
14	Amortization of protected EDIT, net of tax	(30,548)	0	(30,548)	-	(30,548)
15	Amortization of investment tax credit	(3,614)	-	(3,614)	-	(3,614)
16	Total electric operating expenses (Sum of L6 through L15)	<u>2,916,085</u>	<u>(70,474)</u>	<u>2,845,611</u>	<u>67,923</u>	<u>2,913,534</u>
17	Net operating income for return (L4 minus L16)	<u>\$438,717</u>	<u>\$71,425</u>	<u>\$510,142</u>	<u>\$222,186</u>	<u>\$732,328</u>

1/ Based on updated Smith Second Settlement Exhibit 1.

2/ Maness Second Stipulation Exhibit 1, Schedule 3-1, Column (ad).

3/ Column (a) plus Column (b).

4/ Maness Second Stipulation Exhibit 1, Schedule 5, Line 5, Column (c).

5/ Line 4 times (1 minus retention factor after uncollectibles and regulatory fee of 0.9963091 from Maness Stipulation Exhibit 1, Schedule 1-2, Line 10).

6/ (Line 4 minus Line 9) minus (increase in debt expense from Maness Stipulation Exhibit 1, Schedule 5, Line 5, Column (a) multiplied by composite income tax rate of 23.1693%).

7/ Column (c) plus Column (d).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1  
Page 1 of 4

Line No.	Item	Update Plant to 5/31/2020 (a)	Update Revenues/ Customer Growth/ Weather to 5/31/2020 (b)	Adjust Credit Card Fees (c)	Remove EDIT Refunds for Treatment as Riders (d)	Include Flowback of Protected EDIT due to Tax Cuts & Jobs Act (e)	Adjust Depreciation Rates (f)	Adjust Salaries & Wages (g)
1	Electric operating revenues:							
2	Sales of electricity	\$0	\$951 <sup>4/</sup>	\$0	\$0	\$0	\$0	\$0
3	Other revenues	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	951	-	-	-	-	-
5	Electric operating expenses:							
6	Operations and maintenance:							
7	Fuel used in electric generation	-	\$197 <sup>4/</sup>	-	-	-	-	-
8	Purchased power	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	-	(\$2,147) <sup>4/</sup>	\$0 <sup>5/</sup>	-	-	-	- <sup>8/</sup>
10	Depreciation and amortization	(1,048) <sup>3/</sup>	-	-	-	- <sup>6/</sup>	(16,798) <sup>7/</sup>	-
11	General taxes	(8) <sup>3/</sup>	-	-	-	-	-	- <sup>8/</sup>
12	Interest on customer deposits	-	-	-	-	-	-	-
13	Net income taxes	245 <sup>2/</sup>	672 <sup>2/</sup>	- <sup>2/</sup>	-	- <sup>2/</sup>	3,892 <sup>2/</sup>	- <sup>2/</sup>
14	Amortization of protected EDIT, net of tax	-	-	-	-	\$0	-	-
15	Amortization of investment tax credit	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	(811)	(1,278)	-	-	0	(12,906)	-
17	Net operating income for return (L4 minus L16)	811	2,229	-	-	(0)	12,906	-
18	Calculated revenue requirement impact	<sup>1/</sup> (\$1,059)	(\$2,912)	\$0	\$0	\$0	(\$16,860)	\$0

1/ Negative of Line 16 divided by equity retention factor 0.7635890 from Schedule 1-2, Line 14.  
2/ Line 4 minus Sum of Lines 7 through 12 times composite income tax rate of 23.1693%.  
3/ Maness Second Stipulation Exhibit 1, Schedule 3-1(a).  
4/ Maness Second Stipulation Exhibit 1, Schedule 3-1(b).  
5/ Maness Second Stipulation Exhibit 1, Schedule 3-1(c).  
6/ Maness Second Stipulation Exhibit 1, Schedule 3-1(d).  
7/ Maness Second Stipulation Exhibit 1, Schedule 3-1(e).  
8/ Maness Second Stipulation Exhibit 1, Schedule 3-1(f).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1  
Page 2 of 4

Line No.	Item	Adjust Incentives (h)	Adjust Severance Costs (i)	Adjust Executive Compensation (j)	Adjust Aviation Expenses (k)	Adjust Outside Services (l)	Adjust to Normalize Storm Costs (m)	Adjust Storm Deferral (n)
1	Electric operating revenues:							
2	Sales of electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Other revenues	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	-	-	-	-	-	-
5	Electric operating expenses:							
6	Operations and maintenance:							
7	Fuel used in electric generation	-	-	-	-	-	-	-
8	Purchased power	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	0 <sup>9/</sup>	(0) <sup>10/</sup>	- <sup>11/</sup>	(0) <sup>12/</sup>	\$0 <sup>13/</sup>	\$0 <sup>14/</sup>	-
10	Depreciation and amortization	-	-	-	-	-	-	- <sup>15/</sup>
11	General taxes	-	-	-	- <sup>12/</sup>	-	-	-
12	Interest on customer deposits	-	-	-	-	-	-	-
13	Net income taxes	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>
14	Amortization of protected EDIT, net of tax	-	-	-	-	-	-	-
15	Amortization of investment tax credit	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	0	(0)	-	(0)	-	-	-
17	Net operating income for return (L4 minus L16)	(0)	0	-	0	-	-	-
18	Calculated revenue requirement impact	<sup>1/</sup> \$0	\$0	\$0	\$0	\$0	\$0	\$0

9/ Maness Secpnd Supplemental and Stipulation Exhibit 1, Schedule 3-1(g).  
10/ Maness Second Stipulation Exhibit 1, Schedule 3-1(h).  
11/ Maness Second Stipulation Exhibit 1, Schedule 3-1(i).  
12/ Maness Second Stipulation Exhibit 1, Schedule 3-1(j).  
13/ Maness Second Stipulation Exhibit 1, Schedule 3-1(k).  
14/ Maness Second Stipulation Exhibit 1, Schedule 3-1(l).  
15/ Maness Second Stipulation Exhibit 1, Schedule 3-1(m).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1  
Page 3 of 4

Line No.	Item	Adjust Charitable Contributions, and Corporate Sponsorships & Donations (o)	Adjust Lobbying Expense (p)	Adjust Board of Directors Expense (q)	Adjust EOL Nuclear M&S Reserve Amortization (r)	Adjustment to Remove Deferred Environmental Costs - ARO (s)	Adjustment to Remove Deferred Non-ARO Environmental Costs (t)	Adjustment to Remove Certain Teed Payment Obligation (u)	Adjustment to Inflation Adjustment (v)
1	Electric operating revenues:								
2	Sales of electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Other revenues	-	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	-	-	-	-	-	-	-
5	Electric operating expenses:								
6	Operations and maintenance:								
7	Fuel used in electric generation	-	-	-	-	-	-	-	-
8	Purchased power	-	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	\$0 <sup>16/</sup>	\$0 <sup>17/</sup>	\$0 <sup>18/</sup>	-	-	-	- <sup>21/</sup>	(45) <sup>22/</sup>
10	Depreciation and amortization	-	-	-	- <sup>19/</sup>	(76,299) <sup>20/</sup>	- <sup>20/</sup>	-	-
11	General taxes	-	-	-	-	-	-	-	-
12	Interest on customer deposits	-	-	-	-	-	-	-	-
13	Net income taxes	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	17,678	-	- <sup>2/</sup>	10 <sup>2/</sup>
14	Amortization of protected EDIT, net of tax	-	-	-	-	-	-	-	-
15	Amortization of investment tax credit	-	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	-	-	-	-	(58,621)	-	-	(35)
17	Net operating income for return (L4 minus L16)	-	-	-	-	58,621	-	-	35
18	Calculated revenue requirement impact	<sup>1/</sup> \$0	\$0	\$0	\$0	(\$76,582)	\$0	\$0	(\$46)

16/ Maness Second Stipulation Exhibit 1, Schedule 3-1(n).  
17/ Maness Second Stipulation Exhibit 1, Schedule 3-1(o).  
18/ Maness Second Stipulation Exhibit 1, Schedule 3-1(p).  
19/ Maness Second Stipulation Exhibit 1, Schedule 3-1(q).  
20/ Based on recommendation of Public Staff witness Maness.  
21/ Moved to fuel case docket per NCUC order Docket E-2, Sub 1204  
22/ Maness Second Stipulation Exhibit 1, Schedule 3-1(v).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1  
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Line No.	Item	Adjustment to Nuclear Decommissioning Expense (w)	Adjustment to Remove Rate Case Expense (x)	Update to Benefits (y)	Adjust Asheville CC Plant in Service Costs (z)	Adjust Asheville CC Deferral (aa)	Adjust for Asheville Production Displacement (ab)	Interest Synchronization Adjustment (ac)	Total NOI Adjustments (ad) <sup>30/</sup>
1	Electric operating revenues:								
2	Sales of electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$951
3	Other revenues	-	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	-	-	-	-	-	-	951
5	Electric operating expenses:								
6	Operations and maintenance:								
7	Fuel used in electric generation	-	-	-	-	-	-	-	197
8	Purchased power	-	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	- 23/	- 24/	3,080 25/	- 26/	-	(\$450) 28/	-	438
10	Depreciation and amortization	-	-	-	-	- 27/	-	-	(94,145)
11	General taxes	-	-	-	-	-	-	-	(8)
12	Interest on customer deposits	-	-	-	-	-	-	-	-
13	Net income taxes	- 2/	- 2/	(714) 2/	- 2/	- 2/	104 2/	1,156 29/	23,043
14	Amortization of protected EDIT, net of tax	-	-	-	-	-	-	-	0
15	Amortization of investment tax credit	-	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	-	-	2,366	-	-	(346)	1,156	(70,474)
17	Net operating income for return (L4 minus L16)	-	-	(2,366)	-	-	346	(1,156)	71,425
18	Calculated revenue requirement impact	1/ \$0	\$0	\$3,091	\$0	\$0	(\$451)	\$1,510	(\$93,309)

23/ Per Second Settlement agreement and NC-3800(J), Line 8, Total NC Retail Column.  
24/ Maness Second Stipulation Exhibit 1, Schedule 3-1(r).  
25/ Maness Second Stipulation Exhibit 1, Schedule 3-1(v).  
26/ Maness Second Stipulation Exhibit 1, Schedule 3-1(t).  
27/ Maness Second Stipulation Exhibit 1, Schedule 3-1(t)(1).  
28/ Maness Second Stipulation Exhibit 1, Schedule 3-1(u).  
29/ Maness Second Stipulation Exhibit 1, Schedule 3-1(w).  
30/ Sum of Columns (a) through Column (ad).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**ADJUSTMENT FOR CHANGE IN DEPRECIATION RATES**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 3-1(e)**

Line No.	Item	Total System <sup>1/</sup> (a)	NC Retail Percentage <sup>2/</sup> (b)	NC Retail Amount (c)										
	<u>Change in depreciation and amortization per Public Staff</u>													
1	Production	\$76,506	61.5278% <sup>2/</sup>	\$47,072 <sup>6/</sup>										
2	Transmission	8,514	59.6699% <sup>3/</sup>	5,081 <sup>6/</sup>										
3	Distribution	(12,537)	87.1486% <sup>4/</sup>	(10,926) <sup>6/</sup>										
4	Distribution COR adjustment - directly assigned	-	100.0000% <sup>5/</sup>	- <sup>6/</sup>										
5	General	(4,765)	74.0412% <sup>5/</sup>	(3,528) <sup>6/</sup>										
6	General Plant Amortization	9,544	74.0412% <sup>5/</sup>	7,067 <sup>6/</sup>										
7	Adjust to deprec. and amort. for costs recovered in riders	-	61.5278% <sup>2/</sup>	- <sup>6/</sup>										
8	Public Staff adjustment to depreciation and amortization expense	<u>\$77,263</u>		44,766	1	2	3	4	5	6	7	8	9	10
9	Depreciation related to early retirement			27,164 <sup>8/</sup>										
10	Company Adjustment			<u>88,728</u> <sup>7/</sup>										
11	Adjustment to depreciation and amortization expense (L8 + L9 - L10)			<u>(\$16,798)</u>										
12	Adjustment to accumulated depreciation (-L11)			<u>\$16,798</u>										
	Company balance				(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)
	Cumulative adjustment				16,798	(55,132)	(127,062)	(198,991)	(270,921)	(342,851)	(414,781)	(486,711)	(558,641)	(667,194)
	Cumulative balance				(71,930)	(143,860)	(215,790)	(287,719)	(359,649)	(431,579)	(503,509)	(575,439)	(647,369)	(755,922)
	Company amount				88,728	88,728	88,728	88,728	88,728	88,728	88,728	88,728	88,728	88,728
	Adjustment				(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(53,421)
	Adjusted amount				71,930	71,930	71,930	71,930	71,930	71,930	71,930	71,930	71,930	35,307

<sup>1/</sup> Assumes Company position on all depreciation issues, including early retirements.

<sup>2/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - DPALL.

<sup>3/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - DTALL.

<sup>4/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - RB PLT O DI.

<sup>5/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - NC Retail Allocation Factor - RB PLT O GN.

<sup>6/</sup> Column (a) multiplied by Column (b).

<sup>7/</sup> E-1, Item No. 10, NC-2601(D), Line 12, Total NC Retail Column.

<sup>8/</sup> Company's calculation of accelerated depreciation due to early retirements, does not include the non-early retirement recommendations of Public Staff witness McCullar.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**INTEREST SYNCHRONIZATION ADJUSTMENT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 3-1(x)**

Line No.	Item	Amount
1	Public Staff original cost rate base	\$10,536,438 <sup>1/</sup>
2	Public Staff long term debt ratio	48.000% <sup>2/</sup>
3	Public Staff embedded cost of debt	<u>4.045% <sup>3/</sup></u>
4	Public Staff interest expense income tax deduction (L1 x L2 x L3)	\$204,573
5	Company interest expense income tax deduction	<u>209,564 <sup>4/</sup></u>
6	Adjustment to interest expense (L4 - L5)	(\$4,991)
7	Composite tax rate	<u>23.1693% <sup>5/</sup></u>
8	Adjustment to income taxes (-L6 x L7)	<u><u>\$1,156</u></u>

1/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (c).

2/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (a).

3/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (c).

4/ Maness Second Stipulation Exhibit 1, Schedule 3-1(x)(1), Line 4.

5/ Maness Second Stipulation Exhibit 1, Schedule 1-3, Line 8.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 3-1(x)(1)**

**CALCULATION OF COMPANY'S INTEREST SYNCHRONIZATION ADJUSTMENT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

<u>Line No.</u>	<u>Item</u>	<u>Amount</u>
1	NC retail rate base per Company	\$10,793,492 <sup>1/</sup>
2	Long term debt ratio per Company	48.000% <sup>2/</sup>
3	Long term debt cost rate per Company	<u>4.045% <sup>3/</sup></u>
4	Interest tax deduction per Company (L1 x L2 x L3)	<u><u>\$209,564</u></u>

1/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (a).

2/ Per Second Stipulation.

3/ Per Second Stipulation.

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 4

RETURN ON EQUITY AND ORIGINAL COST RATE BASE BEFORE  
AND AFTER PUBLIC STAFF PROPOSED INCREASE  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Line No.	Item	Capitalization Ratio (a)	Before Public Staff Proposed Increase			After Public Staff Proposed Increase				
			NC Retail Rate Base (b)	Embedded Cost or Return (c)	Weighted Cost or Return (d)	Net Operating Income (e)	NC Retail Rate Base (f)	Embedded Cost or Return (g)	Weighted Cost or Return (h)	Net Operating Income (i)
1	Long-term debt	48.000% <sup>1/</sup>	\$5,057,490 <sup>2/</sup>	4.04% <sup>1/</sup>	1.94% <sup>5/</sup>	\$204,573 <sup>6/</sup>	\$5,069,783 <sup>9/</sup>	4.04% <sup>1/</sup>	1.9416% <sup>11/</sup>	\$205,070 <sup>12/</sup>
2	Common equity	52.000% <sup>1/</sup>	5,478,948 <sup>2/</sup>	5.58% <sup>4/</sup>	2.90% <sup>5/</sup>	305,569 <sup>7/</sup>	5,492,265 <sup>9/</sup>	9.60% <sup>1/</sup>	4.992% <sup>11/</sup>	527,257 <sup>12/</sup>
3	Total (L1 + L2)	100.000%	\$10,536,438 <sup>3/</sup>		4.84%	\$510,142 <sup>8/</sup>	\$10,562,048 <sup>10/</sup>		6.9336%	\$732,327

1/ Per Second Stipulation.

2/ Column (b), Line 3 multiplied by Column (a), Lines 1 and 2

3/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (c).

4/ Line 2, Column (e) divided by Line 2, Column (b).

5/ Column (a) multiplied by Column (c).

6/ Line 1, Column (b) multiplied by Line 1, Column (c).

7/ Line 3, Column (e) minus Line 1, Column (e).

8/ Maness Second Stipulation Exhibit 1, Schedule 3, Line 17, Column (c).

9/ Line 3, Column (f) multiplied by Column (a), Lines 1 and 2

10/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (e).

11/ Column (a) multiplied by Column (g).

12/ Column (f) multiplied by Column (g).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**CALCULATION OF PUBLIC STAFF'S ADDITIONAL GROSS**  
**REVENUE REQUIREMENT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 5**

Line No.	Item	Debt (a)	Equity (b)	Total (c) <sup>7/</sup>
<b><u>Calculation of additional gross revenue requirement</u></b>				
1	Required net operating income	\$205,070 <sup>1/</sup>	527,257 <sup>4/</sup>	\$732,327
2	Net operating income before proposed increase	<u>204,573 <sup>2/</sup></u>	<u>305,569 <sup>5/</sup></u>	<u>510,142</u>
3	Additional net operating income requirement (L1 - L2)	\$497	\$221,688	\$222,185
4	Retention factor	<u>0.9963091 <sup>3/</sup></u>	<u>0.7654709 <sup>6/</sup></u>	
5	Additional revenue requirement (L3 ÷ L4)	<u><u>\$499</u></u>	<u><u>\$289,610</u></u>	<u><u>\$290,109</u></u>

- 1/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (i).  
2/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (e).  
3/ Maness Second Stipulation Exhibit 1, Schedule 1-2, Line 10.  
4/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 2, Column (i).  
5/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 2, Column (e).  
6/ Maness Second Stipulation Exhibit 1, Schedule 1-2, Line 14.  
7/ Column (a) plus Column (b).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**CALCULATION OF LEVELIZED EDIT RIDER CREDIT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 2**  
**Schedule 1**

Line No.	Item	Year 1 Revenue Requirement (a)	Year 2 Revenue Requirement (b)	Year 3 Revenue Requirement (c)	Year 4 Revenue Requirement (d)	Year 5 Revenue Requirement (e)	Total Revenue Requirement (f)
1	Total NC retail regulatory liability to be amortized	(\$344,849) <sup>1/</sup>					
2	Annuity factor	<u>4.2922</u> <sup>2/</sup>					
3	Levelized rider EDIT regulatory liability (L1 / L2)	<u>(80,343)</u>	<u>(80,343)</u>	<u>(80,343)</u>	<u>(80,343)</u>	<u>(80,343)</u>	(\$401,715) <sup>5/</sup>
4	One minus composite income tax rate	<u>76.8307%</u> <sup>3/</sup>	<u>76.8307%</u>				
5	Net operating income effect (L3 x L4)	<u>(61,728)</u>	<u>(61,728)</u>	<u>(61,728)</u>	<u>(61,728)</u>	<u>(61,728)</u>	<u>(308,640)</u>
6	Retention factor	<u>0.7654709</u> <sup>4/</sup>	<u>0.7654709</u>				
7	Levelized rider EDIT credit (L5 / L6)	<u>(\$80,641)</u>	<u>(\$80,641)</u>	<u>(\$80,641)</u>	<u>(\$80,641)</u>	<u>(\$80,641)</u>	<u>(\$403,203)</u>

- 1/ Smith Supplemental Exhibit 4, Page 1, Columns (b) and (c), Line 10.  
2/ Maness Second Stipulation Exhibit 2, Schedule 1(a), Line 6.  
3/ One minus composite income tax rate of 23.1693%.  
4/ Maness Second Stipulation Exhibit 1, Schedule 1-2, Line 14, Column (d).  
5/ Column (a) plus Column (b).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**REVENUE IMPACT OF PUBLIC STAFF ADJUSTMENTS**  
**ASSUMPTION: DEPRECIATION OFFSET BY EDIT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Late-filed Exhibit 3(b)**  
**SUMMARY**  
**Commission request: Company Depreciation proposal offset against unprotected EDIT**

Line No.		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11
1	Recommended inc (dec) in base rate revenue requirement assuming Co position on depreciation	\$ 248,751	\$ 246,716	\$ 244,682	\$ 242,647	\$ 240,614	\$ 238,581	\$ 236,545	\$ 234,513	\$ 232,478	\$ 196,899	\$ 157,069
2	Annual Federal provisional EDIT Rider recommended per Second Stipulation for two year period	(58,896)	(58,896)	-	-	-	-	-	-	-	-	-
3	Annual State EDIT Rider recommended per Second Stipulation for two year period	(12,812)	(12,812)	-	-	-	-	-	-	-	-	-
4	Annual Federal unprotected EDIT Rider recommended per Second Stipulation for five year period	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	-	-	-	-	-	-
5	Regulatory asset/liability rider for one year period recommended	(2,091)	-	-	-	-	-	-	-	-	-	-
6	Recommended change in revenue requirement assuming Co depreciation position	<u>\$ 158,833</u>	<u>\$ 158,889</u>	<u>\$ 228,563</u>	<u>\$ 226,528</u>	<u>\$ 224,495</u>	<u>\$ 238,581</u>	<u>\$ 236,545</u>	<u>\$ 234,513</u>	<u>\$ 232,478</u>	<u>\$ 196,899</u>	<u>\$ 157,069</u>

NOTE: Please see Schedule 1 Detail for support.

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
REVENUE IMPACT OF PUBLIC STAFF ADJUSTMENTS  
ASSUMPTION: DEPRECIATION OFFSET BY EDIT  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Late-filed Exhibit 3(b)  
Schedule 1

Line No.		Year 1 <sup>b/</sup>	Year 2 <sup>b/</sup>	Year 3 <sup>b/</sup>	Year 4 <sup>b/</sup>	Year 5 <sup>b/</sup>	Year 6 <sup>b/</sup>	Year 7 <sup>b/</sup>	Year 8 <sup>b/</sup>	Year 9 <sup>b/</sup>	Year 10 <sup>b/</sup>	Year 11 <sup>b/</sup>
1	Revenue requirement increase per Company application, base rates	\$ 585,961 <sup>1/</sup>	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961	\$ 585,961
2	Revenue impact of Company Supplementals and Settlements filing	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)	(177,028)
3	Revenue requirement increase per Company at Second Settlement filing	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933	\$ 408,933
4	Revenue impact of adjustments: <sup>2/</sup>											
	<b>Unsettled Issues:</b>											
5	Update plant and accumulated depreciation to May 31, 2020	(1,239) <sup>6/</sup>	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)	(1,239)
6	Adjust depreciation rates	(40,400) <sup>7/</sup>	(44,192) <sup>7/</sup>	(47,984) <sup>7/</sup>	(51,776) <sup>7/</sup>	(55,567) <sup>7/</sup>	(59,359) <sup>7/</sup>	(63,151) <sup>7/</sup>	(66,943) <sup>7/</sup>	(70,735) <sup>7/</sup>	(107,378) <sup>7/</sup>	(147,768) <sup>7/</sup>
7	Adjust deferred environmental costs	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)	(99,495)
8	Adjust cash working capital under present rates	(4)	14	33	51	70	89	107	126	145	214	302
9	Adjust cash working capital under proposed rates	(2,539)	(2,567)	(2,595)	(2,624)	(2,652)	(2,680)	(2,709)	(2,737)	(2,765)	(3,041)	(3,344)
10	Rounding	1	-	-	-	(1)	(1)	(1)	-	(2)	(2)	(2)
11	Total Unsettled Items	(\$143,676)	(147,479)	(151,280)	(155,083)	(158,884)	(162,685)	(166,488)	(170,288)	(174,091)	(210,941)	(251,546)
	<b>Settled Issues:</b>											
12	Change in equity ratio from 52.00% to 52.00% equity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Change in return on equity from 9.60% to 9.60%	-	-	-	-	-	-	-	-	-	-	-
14	Change in debt cost rate from 4.045% to 4.045%	-	-	-	-	-	-	-	-	-	-	-
15	Adjust to update benefits	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091	3,091
16	Update revenues, customer growth, and weather to May 31, 2020	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)	(2,912)
17	Remove Unprotected Federal, State EDIT, and deferred Federal from base rates for treatment as a rider	(16,188)	(14,420)	(12,653)	(10,885)	(9,117)	(7,349)	(5,582)	(3,814)	(2,046)	(775)	-
18	Adjust deferred non-ARO environmental costs	-	-	-	-	-	-	-	-	-	-	-
19	Adjust nuclear decommissioning expense	-	-	-	-	-	-	-	-	-	-	-
20	Adjust payment card fees	-	-	-	-	-	-	-	-	-	-	-
21	Adjust for flowback of Protected Federal EDIT due to Tax Cuts and Jobs Act	-	-	-	-	-	-	-	-	-	-	-
22	Adjust aviation expenses	-	-	-	-	-	-	-	-	-	-	-
23	Adjust executive compensation	-	-	-	-	-	-	-	-	-	-	-
24	Adjust salaries & wage expense	-	-	-	-	-	-	-	-	-	-	-
25	Adjust outside services	-	-	-	-	-	-	-	-	-	-	-
26	Adjust rate case expense	-	-	-	-	-	-	-	-	-	-	-
27	Adjust to normalize storm costs	-	-	-	-	-	-	-	-	-	-	-
28	Adjust to remove storm deferral	-	-	-	-	-	-	-	-	-	-	-
29	Adjust for severance costs	-	-	-	-	-	-	-	-	-	-	-
30	Adjust incentives	-	-	-	-	-	-	-	-	-	-	-
31	Adjust Asheville CC Plant in Service	-	-	-	-	-	-	-	-	-	-	-
32	Adjust Asheville CC deferral	-	-	-	-	-	-	-	-	-	-	-
33	Adjust W. Asheville Vanderbilt 115kV Project	-	-	-	-	-	-	-	-	-	-	-
34	Adjust Asheville production displacement	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)	(451)
35	Adjust coal inventory	-	-	-	-	-	-	-	-	-	-	-
36	Adjust EOL nuclear materials & supplies reserve expense	-	-	-	-	-	-	-	-	-	-	-
37	Adjust charitable contributions, corporate sponsorships, and corporate donations	-	-	-	-	-	-	-	-	-	-	-
38	Adjust lobbying expense	-	-	-	-	-	-	-	-	-	-	-
39	Adjust Board of Directors expense	-	-	-	-	-	-	-	-	-	-	-
40	Adjust inflation to May 31, 2020	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)	(46)
41	Adjust to remove CertainTeed payment obligation	-	-	-	-	-	-	-	-	-	-	-
42	Total Settled Items	(16,506)	(\$14,738)	(\$12,971)	(\$11,203)	(\$9,435)	(\$7,667)	(\$5,900)	(\$4,132)	(\$2,364)	(\$1,093)	(\$318)
43	Total revenue impact of adjustments	(160,182)	(\$162,217)	(\$164,251)	(\$166,286)	(\$168,319)	(\$170,352)	(\$172,388)	(\$174,420)	(\$176,455)	(\$212,034)	(\$251,864)
44	<b>Recommended inc (dec) in base rate revenue requirement assuming Co position on depreciation</b>	<b>\$ 248,751 <sup>4/</sup></b>	<b>\$ 246,716 <sup>4/</sup></b>	<b>\$ 244,682 <sup>4/</sup></b>	<b>\$ 242,647 <sup>4/</sup></b>	<b>\$ 240,614 <sup>4/</sup></b>	<b>\$ 238,581 <sup>4/</sup></b>	<b>\$ 236,545 <sup>4/</sup></b>	<b>\$ 234,513 <sup>4/</sup></b>	<b>\$ 232,478 <sup>4/</sup></b>	<b>\$ 196,899 <sup>4/</sup></b>	<b>\$ 157,069 <sup>4/</sup></b>
45	Recommended inc (dec) in base rate revenue requirement assuming Co position on depreciation (L44)	\$ 248,751	\$ 246,716	\$ 244,682	\$ 242,647	\$ 240,614	\$ 238,581	\$ 236,545	\$ 234,513	\$ 232,478	\$ 196,899	\$ 157,069
	<b>Settled Issues Riders</b>											
46	Annual Federal provisional EDIT Rider recommended per Second Stipulation for two year period	(58,896)	(58,896)	-	-	-	-	-	-	-	-	-
47	Annual State EDIT Rider recommended per Second Stipulation for two year period	(12,812)	(12,812)	-	-	-	-	-	-	-	-	-
48	Annual Federal unprotected EDIT Rider recommended per Second Stipulation for five year period	(16,119) <sup>3/</sup>	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)
49	Regulatory asset/liability rider for one year period recommended	(2,091)	-	-	-	-	-	-	-	-	-	-
50	Total Settled Riders (sum of Lines 46 through 49)	(89,918) <sup>5/</sup>	(87,827)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)	(16,119)
51	Recommended change in revenue requirement assuming Co depreciation position (Sum of L45 + L50)	\$ 158,833 <sup>6/</sup>	\$ 158,889 <sup>6/</sup>	\$ 228,563 <sup>6/</sup>	\$ 226,528 <sup>6/</sup>	\$ 224,495 <sup>6/</sup>	\$ 238,581 <sup>6/</sup>	\$ 236,545 <sup>6/</sup>	\$ 234,513 <sup>6/</sup>	\$ 232,478 <sup>6/</sup>	\$ 196,899 <sup>6/</sup>	\$ 157,069 <sup>6/</sup>

1/ Smith Supplemental Supplemental Exhibit 1, Page 2, Line 8 (Prior to Company's rider-related revenue adjustment).

2/ Calculated based on Schedules 2, 3, 4, 5, and backup schedules.

3/ Reflects the estimated amount of EDIT to be flowed back in interim rates.

4/ Schedule 5, Line 5.

5/ Smith Supplemental Exhibit 5.

6/ Company and Public Staff agree on plant numbers, do not agree to depreciation rates included in the amount.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**SUPPORT FOR RECONCILIATION SCHEDULE**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 1-1**

Line No.	Item	Rate Base Impact <sup>1/</sup>	Income Statement Impact <sup>2/</sup>	Total Revenue Impact <sup>3/</sup>
		(a)	(b)	(c)
1	Update plant and accumulated depreciation to May 31, 2020	(\$180)	(\$1,059)	(\$1,239)
2	Adjust unprotected EDIT for refund as a series of riders	(16,188)	-	(16,188)
3	Adjust for flowback of Protected EDIT	-	-	-
4	Adjust for severance costs	-	-	-
5	Adjust depreciation rates	3,724	(44,124)	(40,400)
6	Adjust to update benefits	-	3,091	3,091
7	Adjust deferred environmental costs	(22,913)	(76,582)	(99,495)
8	Adjust deferred non-ARO environmental costs	-	-	-
9	Adjust Asheville CC Plant in Service costs	-	-	-
10	Adjust Asheville CC deferral	-	-	-
11	Remove Storm Deferral	-	-	-
12	Adjust rate case expense	-	-	-

1/ Maness Second Stipulation Exhibit 1, Schedule 2-1, Line 15.

2/ Maness Second Stipulation Exhibit 1, Schedule 3-1, Line 18.

3/ Column (a) plus Column (b).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**ORIGINAL COST RATE BASE**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 2**

Line No.	Item	Under Present Rates			After Public Staff	
		NC Retail, as Adjusted	Public Staff	After	Recommended Increase	
		Per Company <sup>1/</sup>	Adjustments <sup>2/</sup>	Public Staff Adjustments <sup>3/</sup>	Rate Increase	After Rate Increase <sup>5/</sup>
	(a)	(b)	(c)	(d)	(e)	
1	Electric plant in service	\$19,417,003	(\$2,234)	\$19,414,769	\$0	\$19,414,769
2	Accumulated depreciation and amortization	(8,157,546)	44,074	(8,113,472)	-	(8,113,472)
3	Net electric plant in service (L1 + L2)	\$11,259,457	\$41,840	\$11,301,297	\$0	\$11,301,297
4	Materials and supplies	582,130	(0)	582,130	-	582,130
	<u>Other Working Capital</u>					
5	Operating funds per lead-lag study	129,499	(53)	129,446	\$21,964 <sup>4/</sup>	151,410
6	Unamortized debt	32,019	-	32,019	-	32,019
7	Regulatory assets and liabilities	(171,137)	(494,329)	(665,466)	-	(665,466)
8	Other	(13,453)	-	(13,453)	-	(13,453)
9	Total other working capital (Sum of L5 through L8)	(23,072)	(494,382)	(517,454)	21,964	(495,490)
10	ARO-related CCR regulatory assets and liabilities	-	142,237	142,237	-	142,237
11	Customer deposits	(116,588)	-	(116,588)	-	(116,588)
12	Accumulated deferred income taxes	(853,730)	(109,541)	(963,271)	-	(963,271)
13	Adjustments to federal excess deferred income taxes	-	(0)	(0)	-	(0)
14	Operating reserves	(54,705)	-	(54,705)	-	(54,705)
15	Construction work in progress	-	-	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	\$10,793,492	(\$419,847)	\$10,373,645	\$21,964	\$10,395,609

1/ Based on Smith Second Settlement Exhibit 1, Page 4.

2/ Maness Second Stipulation Exhibit 1, Schedule 2-1, Column (q).

3/ Column (a) plus Column (b).

4/ Maness Second Stipulation Exhibit 1, Schedule 2-1(g), Line 80, Column (k).

5/ Column (c) plus Column (d).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF RATE BASE ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)  
For the Test Year Ended December 31, 2018

Public Staff  
**Maness Second Stipulation Exhibit 1**  
Schedule 2-1  
Page 1 of 3

Line No.	Item	Update Plant and Accumulated Depreciation to 5/31/2020 <sup>2/</sup>	Remove EDIT Refund for Treatment as a Rider <sup>3/</sup>	Include Flowback of Protected EDIT due to Tax Cuts & Jobs Act <sup>4/</sup>	Adjust Depreciation Rates <sup>5/</sup>	Adjust Severance Costs <sup>6/</sup>	Adjust Storm Deferral <sup>7/</sup>	Adjust Coal Inventory <sup>8/</sup>
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Electric plant in service	(\$2,235)	\$0	\$0	\$0	\$0	\$1	\$0
2	Accumulated depreciation and amortization	112	-	-	\$43,962	-	-	-
3	Net electric plant in service (L1 + L2)	(\$2,123)	\$0	\$0	\$43,962	\$0	\$1	\$0
4	Materials and supplies	-	-	-	-	-	-	(0)
	<u>Other Working Capital</u>							
5	Operating funds per lead-lag study	-	-	-	-	-	-	-
6	Unamortized debt	-	-	-	-	-	-	-
7	Regulatory assets and liabilities	-	-	-	-	-	-	-
8	Other	-	-	-	-	-	-	-
9	Total Working Capital	-	-	-	-	-	-	-
10	ARO-related CCR regulatory assets and liabilities	-	-	-	-	-	-	-
11	Customer deposits	-	-	-	-	-	-	-
12	Accumulated deferred income taxes	-	(191,118)	-	-	-	-	-
13	Adjustments to federal excess deferred income taxes	-	-	(\$0)	-	-	-	-
14	Operating reserves	-	-	-	-	-	-	-
15	Construction work in progress	-	-	-	-	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	<u>(\$2,123)</u>	<u>(\$191,118)</u>	<u>(\$0)</u>	<u>\$43,962</u>	<u>\$0</u>	<u>\$1</u>	<u>(\$0)</u>
17	Revenue requirement impact	<sup>1/</sup> <u>(\$180)</u>	<u>(\$16,188)</u>	<u>\$0</u>	<u>\$3,724</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

1/ Line 14 times rate base retention factor of 0.0794134 from Maness Second Stipulation Exhibit 1, Schedule 1-2.

2/ Maness Second Stipulation Exhibit 1, Schedule 2-1(a).

3/ Maness Second Stipulation Exhibit 1, Schedule 2-1(b).

4/ Maness Second Stipulation Exhibit 1, Schedule 3-1(d).

5/ Maness Second Stipulation Exhibit 1, Schedule 3-1(e).

6/ Maness Second Stipulation Exhibit 1, Schedule 3-1(h).

7/ Maness Second Stipulation Exhibit 1, Schedule 3-1(m).

8/ Maness Second Stipulation Exhibit 1, Schedule 2-1(d).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF RATE BASE ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)  
For the Test Year Ended December 31, 2018

Public Staff  
**Maness Second Stipulation Exhibit 1**  
Schedule 2-1  
Page 2 of 3

Line No.	Item	Adjustment to Reclassify CCR Reg. Assets & Liabilities (h)	Adjustment to Deferred Non-ARO Environmental Costs (i)	Adjustment to Remove Deferred Environmental Costs - ARO (j)	Adjustment to Remove Rate Case Expense (k)	Adjustment to COSS - SWP&A Reallocation (l)	Adjust Asheville CC Plant in Service Costs (m)	Adjust Asheville CC Deferral (n)
1	Electric plant in service	\$ -	\$ -	\$ -	\$ -	\$0	\$ -	\$ -
2	Accumulated depreciation and amortization	-	-	-	-	-	-	-
3	Net electric plant in service (L1 + L2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Materials and supplies	-	-	-	-	-	-	-
	<u>Other Working Capital</u>							
5	Operating funds per lead-lag study	-	-	-	-	-	-	-
6	Unamortized debt	-	-	-	-	-	-	-
7	Regulatory assets and liabilities	(494,329)	-	-	-	-	-	-
8	Other	-	-	-	-	-	-	-
9	Total Working Capital	(494,329)	-	-	-	-	-	-
10	ARO-related CCR regulatory assets and liabilities	494,329	-	(352,092)	-	-	-	-
11	Customer deposits	-	-	-	-	-	-	-
12	Accumulated deferred income taxes	-	-	81,577	\$0	-	-	-
13	Adjustments to federal excess deferred income taxes	-	-	-	-	-	-	-
14	Operating reserves	-	-	-	-	-	-	-
15	Construction work in progress	-	-	-	-	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	<u>\$0</u>	<u>\$0</u>	<u>(\$270,515)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
17	Revenue requirement impact	<sup>1/</sup> <u>\$0</u>	<u>\$0</u>	<u>(\$22,913)</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

9/ Based on recommendation of Public Staff witness Maness.

10/ Maness Second Stipulation Exhibit 1, Schedule 3-1(r).

11/ Per Second Stipulation.

12/ Maness Second Stipulation Exhibit 1, Schedule 3-1(t).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF RATE BASE ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)  
For the Test Year Ended December 31, 2018

Public Staff  
**Maness Second Stipulation Exhibit 1**  
Schedule 2-1  
Page 3 of 3

Line No.	Item	Adjust W. Asheville Vanderbilt 115kV Project <sup>13/</sup> (o)	Adjust Cash Working Capital <sup>14/</sup> (p)	Total Rate Base Adjustments <sup>15/</sup> (q)
1	Electric plant in service	\$0	\$0	(\$2,234)
2	Accumulated depreciation and amortization	-	-	44,074
3	Net electric plant in service (L1 + L2)	\$0	\$0	\$41,840
4	Materials and supplies	-	-	(0)
	<u>Other Working Capital</u>			
5	Operating funds per lead-lag study	-	(53)	(53)
6	Unamortized debt	-	-	-
7	Regulatory assets and liabilities	-	-	(494,329)
8	Other	-	-	-
9	Total Working Capital	-	(53)	(494,382)
10	ARO-related CCR regulatory assets and liabilities	-	-	142,237
11	Customer deposits	-	-	-
12	Accumulated deferred income taxes	-	-	(109,541)
13	Adjustments to federal excess deferred income taxes	-	-	(0)
14	Operating reserves	-	-	-
15	Construction work in progress	-	-	-
16	Total original cost rate base (L3 + L4 + L9 + sum of L10 through L15)	<u>\$0</u>	<u>(\$53)</u>	<u>(\$419,847)</u>
17	Revenue requirement impact	<sup>1/</sup> <u>\$0</u>	<u>(\$4)</u>	<u>(\$35,562)</u>

13/ Maness Second Stipulation Exhibit 1, Schedule 2-1(c).

14/ Maness Second Stipulation Exhibit 1, Schedule 2-1(f), Line 83.

15/ Sum of Columns (a) through Column (p).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**ADJUSTMENT TO RATE BASE FOR TREATMENT AS A RIDER**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 2-1(b)

Line No.	Item	Amount
1	Adjustments required to flow back refunds to customers through a Rider:	
2	Adjustment to remove federal unprotected EDIT from rate base	(\$403,750) <sup>1/</sup>
3	Adjustment to remove N.C. state EDIT from rate base	(23,998) <sup>2/</sup>
4	Adjustment to remove over collection of revenues due to FIT rate change from rate base	(110,315) <sup>3/</sup>
5	Public Staff adjustments to rate base for tax changes (Sum of Lines 2 through 4)	(\$538,063)
6	Company adjustment to rate base for tax changes	538,063 <sup>4/</sup>
7	Adjustment to rate base for tax changes (L5 + L6)	\$0

Depreciation to offset against unprotected EDIT	275,917
Estimated unprotected EDIT returned through interim rates	58,901
Remaining unprotected EDIT balance to return through rider	(68,933)

- 1/ Smith Supplemental Exhibit 4, Line 8, Columns (b) and (c).  
2/ Smith Supplemental Exhibit 4, Line 8, Columns (d).  
3/ Smith Supplemental Exhibit 4, Line 8, Column (e).  
4/ E-1, Item 10, NC-4001(J), Line 2.

	0	1	2	3	4	5	6	7	8	9	10	11
Pre-tax EDIT	\$ (275,917)	\$ (275,917)	\$ (248,753)	\$ (221,589)	\$ (194,425)	\$ (167,261)	\$ (140,097)	\$ (112,933)	\$ (85,770)	\$ (58,606)	\$ (31,442)	\$ (11,907)
ADIT on above	63,928	63,928	57,634	51,341	45,047	38,753	32,460	26,166	19,872	13,579	7,285	2,759
Net	\$ (211,989)	\$ (211,989)	\$ (191,118)	\$ (170,248)	\$ (149,378)	\$ (128,508)	\$ (107,638)	\$ (86,767)	\$ (65,897)	\$ (45,027)	\$ (24,157)	\$ (9,148)
first yr need		27,164	27,164	27,164	27,164	27,164	27,164	27,164	27,164	27,164	19,535	11,907
Remainder	\$ (248,753)	\$ (221,589)	\$ (194,425)	\$ (167,261)	\$ (140,097)	\$ (112,933)	\$ (85,770)	\$ (58,606)	\$ (31,442)	\$ (11,907)	\$ (0)	
ADIT on above	57,634	51,341	45,047	38,753	32,460	26,166	19,872	13,579	7,285	2,759	0	
Net	\$ (191,118)	\$ (170,248)	\$ (149,378)	\$ (128,508)	\$ (107,638)	\$ (86,767)	\$ (65,897)	\$ (45,027)	\$ (24,157)	\$ (9,148)	\$ (0)	

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**NET OPERATING INCOME FOR RETURN**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 3**

Line No.		Under Present Rates			After Public Staff	
		NC Retail Adjusted Per Company <sup>1/</sup>	Public Staff Adjustments <sup>2/</sup>	After Public Staff Adjustments <sup>3/</sup>	Recommended Increase Rate	After Rate Increase <sup>7/</sup>
		(a)	(b)	(c)	(d)	(e)
1	Electric operating revenues:					
2	Sales of electricity	\$ 3,354,802	\$951	\$3,355,753	\$248,748 <sup>4/</sup>	\$3,604,501
3	Other revenues	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	<u>\$3,354,802</u>	<u>\$951</u>	<u>\$3,355,753</u>	<u>\$248,748</u>	<u>\$3,604,501</u>
5	Electric operating expenses:					
6	Operations and maintenance:					
7	Fuel used in electric generation	848,169	197	848,366	-	848,366
8	Purchased power	156,798	-	156,798	-	156,798
9	Other operations and maintenance expenses	863,460	438	863,898	918 <sup>5/</sup>	864,816
10	Depreciation and amortization	905,941	(121,309)	784,632	-	784,632
11	General taxes	104,578	(8)	104,570	-	104,570
12	Interest on customer deposits	7,971	-	7,971	-	7,971
13	Net income taxes	63,330	30,070	93,400	57,321 <sup>6/</sup>	150,721
14	Amortization of protected EDIT, net of tax	(30,548)	0	(30,548)	-	(30,548)
15	Amortization of investment tax credit	(3,614)	-	(3,614)	-	(3,614)
16	Total electric operating expenses (Sum of L6 through L15)	<u>2,916,085</u>	<u>(90,611)</u>	<u>2,825,474</u>	<u>58,239</u>	<u>2,883,713</u>
17	Net operating income for return (L4 minus L16)	<u>\$438,717</u>	<u>\$91,562</u>	<u>\$530,279</u>	<u>\$190,509</u>	<u>\$720,788</u>

1/ Based on updated Smith Second Settlement Exhibit 1.

2/ Maness Second Stipulation Exhibit 1, Schedule 3-1, Column (ad).

3/ Column (a) plus Column (b).

4/ Maness Second Stipulation Exhibit 1, Schedule 5, Line 5, Column (c).

5/ Line 4 times (1 minus retention factor after uncollectibles and regulatory fee of 0.9963091 from Maness Stipulation Exhibit 1, Schedule 1-2, Line 10).

6/ (Line 4 minus Line 9) minus (increase in debt expense from Maness Stipulation Exhibit 1, Schedule 5, Line 5, Column (a) multiplied by composite income tax rate of 23.1693%).

7/ Column (c) plus Column (d).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1  
Page 1 of 4

Line No.	Item	Update Plant to 5/31/2020 (a)	Update Revenues/ Customer Growth/ Weather to 5/31/2020 (b)	Adjust Credit Card Fees (c)	Remove EDIT Refunds for Treatment as Riders (d)	Include Flowback of Protected EDIT due to Tax Cuts & Jobs Act (e)	Adjust Depreciation Rates (f)	Adjust Salaries & Wages (g)
1	Electric operating revenues:							
2	Sales of electricity	\$0	\$951 <sup>4/</sup>	\$0	\$0	\$0	\$0	\$0
3	Other revenues	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	951	-	-	-	-	-
5	Electric operating expenses:							
6	Operations and maintenance:							
7	Fuel used in electric generation	-	\$197 <sup>4/</sup>	-	-	-	-	-
8	Purchased power	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	-	(\$2,147) <sup>4/</sup>	\$0 <sup>5/</sup>	-	-	-	- <sup>8/</sup>
10	Depreciation and amortization	(1,048) <sup>3/</sup>	-	-	-	- <sup>6/</sup>	(43,962) <sup>7/</sup>	-
11	General taxes	(8) <sup>3/</sup>	-	-	-	-	-	- <sup>8/</sup>
12	Interest on customer deposits	-	-	-	-	-	-	-
13	Net income taxes	245 <sup>2/</sup>	672 <sup>2/</sup>	- <sup>2/</sup>	-	- <sup>2/</sup>	10,186 <sup>2/</sup>	- <sup>2/</sup>
14	Amortization of protected EDIT, net of tax	-	-	-	-	\$0	-	-
15	Amortization of investment tax credit	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	(811)	(1,278)	-	-	0	(33,776)	-
17	Net operating income for return (L4 minus L16)	811	2,229	-	-	(0)	33,776	-
18	Calculated revenue requirement impact	<sup>1/</sup> (\$1,059)	(\$2,912)	\$0	\$0	\$0	(\$44,124)	\$0

1/ Negative of Line 16 divided by equity retention factor 0.7635890 from Schedule 1-2, Line 14.  
2/ Line 4 minus Sum of Lines 7 through 12 times composite income tax rate of 23.1693%.  
3/ Maness Second Stipulation Exhibit 1, Schedule 3-1(a).  
4/ Maness Second Stipulation Exhibit 1, Schedule 3-1(b).  
5/ Maness Second Stipulation Exhibit 1, Schedule 3-1(c).  
6/ Maness Second Stipulation Exhibit 1, Schedule 3-1(d).  
7/ Maness Second Stipulation Exhibit 1, Schedule 3-1(e).  
8/ Maness Second Stipulation Exhibit 1, Schedule 3-1(f).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1  
Page 2 of 4

Line No.	Item	Adjust Incentives (h)	Adjust Severance Costs (i)	Adjust Executive Compensation (j)	Adjust Aviation Expenses (k)	Adjust Outside Services (l)	Adjust to Normalize Storm Costs (m)	Adjust Storm Deferral (n)
1	Electric operating revenues:							
2	Sales of electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Other revenues	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	-	-	-	-	-	-
5	Electric operating expenses:							
6	Operations and maintenance:							
7	Fuel used in electric generation	-	-	-	-	-	-	-
8	Purchased power	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	0 <sup>9/</sup>	(0) <sup>10/</sup>	- <sup>11/</sup>	(0) <sup>12/</sup>	\$0 <sup>13/</sup>	\$0 <sup>14/</sup>	-
10	Depreciation and amortization	-	-	-	-	-	-	- <sup>15/</sup>
11	General taxes	-	-	-	- <sup>12/</sup>	-	-	-
12	Interest on customer deposits	-	-	-	-	-	-	-
13	Net income taxes	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>
14	Amortization of protected EDIT, net of tax	-	-	-	-	-	-	-
15	Amortization of investment tax credit	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	0	(0)	-	(0)	-	-	-
17	Net operating income for return (L4 minus L16)	(0)	0	-	0	-	-	-
18	Calculated revenue requirement impact	<sup>1/</sup> \$0	\$0	\$0	\$0	\$0	\$0	\$0

9/ Maness Secpnd Supplemental and Stipulation Exhibit 1, Schedule 3-1(g).  
10/ Maness Second Stipulation Exhibit 1, Schedule 3-1(h).  
11/ Maness Second Stipulation Exhibit 1, Schedule 3-1(i).  
12/ Maness Second Stipulation Exhibit 1, Schedule 3-1(j).  
13/ Maness Second Stipulation Exhibit 1, Schedule 3-1(k).  
14/ Maness Second Stipulation Exhibit 1, Schedule 3-1(l).  
15/ Maness Second Stipulation Exhibit 1, Schedule 3-1(m).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1  
Page 3 of 4

Line No.	Item	Adjust Charitable Contributions, and Corporate Sponsorships & Donations (o)	Adjust Lobbying Expense (p)	Adjust Board of Directors Expense (q)	Adjust EOL Nuclear M&S Reserve Amortization (r)	Adjustment to Remove Deferred Environmental Costs - ARO (s)	Adjustment to Remove Deferred Non-ARO Environmental Costs (t)	Adjustment to Remove Certain Teed Payment Obligation (u)	Adjustment to Inflation Adjustment (v)
1	Electric operating revenues:								
2	Sales of electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Other revenues	-	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	-	-	-	-	-	-	-
5	Electric operating expenses:								
6	Operations and maintenance:								
7	Fuel used in electric generation	-	-	-	-	-	-	-	-
8	Purchased power	-	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	\$0 <sup>16/</sup>	\$0 <sup>17/</sup>	\$0 <sup>18/</sup>	-	-	-	- <sup>21/</sup>	(45) <sup>22/</sup>
10	Depreciation and amortization	-	-	-	- <sup>19/</sup>	(76,299) <sup>20/</sup>	- <sup>20/</sup>	-	-
11	General taxes	-	-	-	-	-	-	-	-
12	Interest on customer deposits	-	-	-	-	-	-	-	-
13	Net income taxes	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	- <sup>2/</sup>	17,678	-	- <sup>2/</sup>	10 <sup>2/</sup>
14	Amortization of protected EDIT, net of tax	-	-	-	-	-	-	-	-
15	Amortization of investment tax credit	-	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	-	-	-	-	(58,621)	-	-	(35)
17	Net operating income for return (L4 minus L16)	-	-	-	-	58,621	-	-	35
18	Calculated revenue requirement impact	<sup>1/</sup> \$0	\$0	\$0	\$0	(\$76,582)	\$0	\$0	(\$46)

16/ Maness Second Stipulation Exhibit 1, Schedule 3-1(n).  
17/ Maness Second Stipulation Exhibit 1, Schedule 3-1(o).  
18/ Maness Second Stipulation Exhibit 1, Schedule 3-1(p).  
19/ Maness Second Stipulation Exhibit 1, Schedule 3-1(q).  
20/ Based on recommendation of Public Staff witness Maness.  
21/ Moved to fuel case docket per NCUC order Docket E-2, Sub 1204  
22/ Maness Second Stipulation Exhibit 1, Schedule 3-1(v).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
**SUMMARY OF PUBLIC STAFF NET OPERATING  
INCOME ADJUSTMENTS**  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
**Maness Second Stipulation Exhibit 1**  
Schedule 3-1  
Page 4 of 4

Line No.	Item	Adjustment to Nuclear Decommissioning Expense (w)	Adjustment to Remove Rate Case Expense (x)	Update to Benefits (y)	Adjust Asheville CC Plant in Service Costs (z)	Adjust Asheville CC Deferral (aa)	Adjust for Asheville Production Displacement (ab)	Interest Synchronization Adjustment (ac)	Total NOI Adjustments (ad) <sup>30/</sup>
1	Electric operating revenues:								
2	Sales of electricity	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$951
3	Other revenues	-	-	-	-	-	-	-	-
4	Electric operating revenues (Sum of L2 through L3)	-	-	-	-	-	-	-	951
5	Electric operating expenses:								
6	Operations and maintenance:								
7	Fuel used in electric generation	-	-	-	-	-	-	-	197
8	Purchased power	-	-	-	-	-	-	-	-
9	Other operations and maintenance expenses	- 23/	- 24/	3,080 25/	- 26/	-	(\$450) 28/	-	438
10	Depreciation and amortization	-	-	-	-	- 27/	-	-	(121,309)
11	General taxes	-	-	-	-	-	-	-	(8)
12	Interest on customer deposits	-	-	-	-	-	-	-	-
13	Net income taxes	- 2/	- 2/	(714) 2/	- 2/	- 2/	104 2/	1,889 29/	30,070
14	Amortization of protected EDIT, net of tax	-	-	-	-	-	-	-	0
15	Amortization of investment tax credit	-	-	-	-	-	-	-	-
16	Total electric operating expenses (Sum of L6 through L15)	-	-	2,366	-	-	(346)	1,889	(90,611)
17	Net operating income for return (L4 minus L16)	-	-	(2,366)	-	-	346	(1,889)	91,562
18	Calculated revenue requirement impact	1/ \$0	\$0	\$3,091	\$0	\$0	(\$451)	\$2,468	(\$119,615)

23/ Per Second Settlement agreement and NC-3800(J), Line 8, Total NC Retail Column.

24/ Maness Second Stipulation Exhibit 1, Schedule 3-1(r).

25/ Maness Second Stipulation Exhibit 1, Schedule 3-1(v).

26/ Maness Second Stipulation Exhibit 1, Schedule 3-1(t).

27/ Maness Second Stipulation Exhibit 1, Schedule 3-1(t)(1).

28/ Maness Second Stipulation Exhibit 1, Schedule 3-1(u).

29/ Maness Second Stipulation Exhibit 1, Schedule 3-1(w).

30/ Sum of Columns (a) through Column (ad).

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations  
ADJUSTMENT FOR CHANGE IN DEPRECIATION RATES  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 3-1(e)

Additional funds needed

Line No.	Item	Total System <sup>1/</sup>	NC Retail Percentage <sup>2/</sup>	NC Retail Amount	Additional funds needed												
					1	2	3	4	5	6	7	8	9	10	11		
					Per baseline position	71,930	71,930	71,930	71,930	71,930	71,930	71,930	71,930	71,930	35,307	(1,316)	
					Per PS position	44,766	44,766	44,766	44,766	44,766	44,766	44,766	44,766	44,766	15,772	(13,223)	
						27,164	27,164	27,164	27,164	27,164	27,164	27,164	27,164	27,164	19,535	11,907 275,917	
		(a)	(b)	(c)													
	<u>Change in depreciation and amortization per Public Staff</u>																
1	Production	\$76,506	61.5278% <sup>2/</sup>	\$47,072 <sup>6/</sup>													
2	Transmission	8,514	59.6699% <sup>3/</sup>	5,081 <sup>6/</sup>													
3	Distribution	(12,537)	87.1486% <sup>4/</sup>	(10,926) <sup>6/</sup>													
4	Distribution COR adjustment - directly assigned	-	100.0000%	- <sup>6/</sup>													
5	General	(4,765)	74.0412% <sup>5/</sup>	(3,528) <sup>6/</sup>													
6	General Plant Amortization	9,544	74.0412% <sup>5/</sup>	7,067 <sup>6/</sup>													
7	Adjust to deprec. and amort. for costs recovered in riders	-	61.5278% <sup>2/</sup>	- <sup>6/</sup>													
8	Public Staff adjustment to depreciation and amortization expense	<u>\$77,263</u>		44,766	1	2	3	4	5	6	7	8	9	10	11		
9	Deprecation related to early retirement			27,164 <sup>8/</sup>													
10	Company Adjustment			<u>88,728</u> <sup>7/</sup>													
11	Adjustment to depreciation and amortization expense (L8 + L9 - L10)			<u>(\$16,798)</u>	Company balance	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	(88,728)	
12	Adjustment to accumulated depreciation (-L11)			<u>\$16,798</u>	Cumulative baseline adjustment	16,798	(55,132)	(127,062)	(198,991)	(270,921)	(342,851)	(414,781)	(486,711)	(558,641)	(667,194)	(812,369)	
					Cumulative baseline balance	(71,930)	(143,860)	(215,790)	(287,719)	(359,649)	(431,579)	(503,509)	(575,439)	(647,369)	(755,922)	(901,097)	
					Cumulative offset adjustment	27,164	54,328	81,492	108,655	135,819	162,983	190,147	217,311	244,475	264,010	275,917	
					Cumulative offset balance	(44,766)	(89,532)	(134,298)	(179,064)	(223,830)	(268,596)	(313,362)	(358,128)	(402,894)	(491,912)	(625,181)	
					Total adjustment	43,962	(804)	(45,570)	(90,336)	(135,102)	(179,868)	(224,634)	(269,400)	(314,166)	(403,184)	(536,453)	
					Company amount	88,728	88,728	88,728	88,728	88,728	88,728	88,728	88,728	88,728	88,728	88,728	
					Baseline Adjustment	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(16,798)	(53,421)	(90,044)
					Adjusted baseline amount	71,930	71,930	71,930	71,930	71,930	71,930	71,930	71,930	71,930	71,930	35,307	(1,316)
					Offset adjustment	(27,164)	(27,164)	(27,164)	(27,164)	(27,164)	(27,164)	(27,164)	(27,164)	(27,164)	(27,164)	(19,535)	(11,907)

<sup>1/</sup> Assumes Company position on all depreciation issues, including early retirements.

<sup>2/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - DPALL

<sup>3/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - DTALL

<sup>4/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - RB PLT O DI

<sup>5/</sup> E-1, Item No. 45B, NC Retail Allocation Factor - NC Retail Allocation Factor - RB PLT O GN.

<sup>6/</sup> Column (a) multiplied by Column (b).

<sup>7/</sup> E-1, Item No. 10, NC-2601(D), Line 12, Total NC Retail Column.

<sup>8/</sup> Company's calculation of accelerated depreciation due to early retirements, does not include the non-early retirement recommendations of Public Staff witness McCullar.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**INTEREST SYNCHRONIZATION ADJUSTMENT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 3-1(x)**

Line No.	Item	Amount
1	Public Staff original cost rate base	\$10,373,645 <sup>1/</sup>
2	Public Staff long term debt ratio	48.000% <sup>2/</sup>
3	Public Staff embedded cost of debt	<u>4.045% <sup>3/</sup></u>
4	Public Staff interest expense income tax deduction (L1 x L2 x L3)	\$201,412
5	Company interest expense income tax deduction	<u>209,564 <sup>4/</sup></u>
6	Adjustment to interest expense (L4 - L5)	(\$8,152)
7	Composite tax rate	<u>23.1693% <sup>5/</sup></u>
8	Adjustment to income taxes (-L6 x L7)	<u><u>\$1,889</u></u>

1/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (c).

2/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (a).

3/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (c).

4/ Maness Second Stipulation Exhibit 1, Schedule 3-1(x)(1), Line 4.

5/ Maness Second Stipulation Exhibit 1, Schedule 1-3, Line 8.

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 3-1(x)(1)**

**CALCULATION OF COMPANY'S INTEREST SYNCHRONIZATION ADJUSTMENT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

<u>Line No.</u>	<u>Item</u>	<u>Amount</u>
1	NC retail rate base per Company	\$10,793,492 <sup>1/</sup>
2	Long term debt ratio per Company	48.000% <sup>2/</sup>
3	Long term debt cost rate per Company	<u>4.045% <sup>3/</sup></u>
4	Interest tax deduction per Company (L1 x L2 x L3)	<u><u>\$209,564</u></u>

1/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (a).

2/ Per Second Stipulation.

3/ Per Second Stipulation.

DUKE ENERGY PROGRESS, LLC  
Docket No. E-2, Subs 1193 and 1219  
North Carolina Retail Operations

Public Staff  
Maness Second Stipulation Exhibit 1  
Schedule 4

RETURN ON EQUITY AND ORIGINAL COST RATE BASE BEFORE  
AND AFTER PUBLIC STAFF PROPOSED INCREASE  
For the Test Year Ended December 31, 2018  
(Dollar Amounts Expressed in Thousands)

Line No.	Item	Capitalization Ratio (a)	Before Public Staff Proposed Increase			After Public Staff Proposed Increase				
			NC Retail Rate Base (b)	Embedded Cost or Return (c)	Weighted Cost or Return (d)	Net Operating Income (e)	NC Retail Rate Base (f)	Embedded Cost or Return (g)	Weighted Cost or Return (h)	Net Operating Income (i)
1	Long-term debt	48.000% <sup>1/</sup>	\$4,979,350 <sup>2/</sup>	4.04% <sup>1/</sup>	1.94% <sup>5/</sup>	\$201,412 <sup>6/</sup>	\$4,989,892 <sup>9/</sup>	4.04% <sup>1/</sup>	1.9416% <sup>11/</sup>	\$201,838 <sup>12/</sup>
2	Common equity	52.000% <sup>1/</sup>	5,394,295 <sup>2/</sup>	6.10% <sup>4/</sup>	3.17% <sup>5/</sup>	328,867 <sup>7/</sup>	5,405,717 <sup>9/</sup>	9.60% <sup>1/</sup>	4.992% <sup>11/</sup>	518,949 <sup>12/</sup>
3	Total (L1 + L2)	100.000%	\$10,373,645 <sup>3/</sup>		5.11%	\$530,279 <sup>8/</sup>	\$10,395,609 <sup>10/</sup>		6.9336%	\$720,787

1/ Per Second Stipulation.

2/ Column (b), Line 3 multiplied by Column (a), Lines 1 and 2

3/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (c).

4/ Line 2, Column (e) divided by Line 2, Column (b).

5/ Column (a) multiplied by Column (c).

6/ Line 1, Column (b) multiplied by Line 1, Column (c).

7/ Line 3, Column (e) minus Line 1, Column (e).

8/ Maness Second Stipulation Exhibit 1, Schedule 3, Line 17, Column (c).

9/ Line 3, Column (f) multiplied by Column (a), Lines 1 and 2

10/ Maness Second Stipulation Exhibit 1, Schedule 2, Line 16, Column (e).

11/ Column (a) multiplied by Column (g).

12/ Column (f) multiplied by Column (g).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**CALCULATION OF PUBLIC STAFF'S ADDITIONAL GROSS**  
**REVENUE REQUIREMENT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 1**  
**Schedule 5**

Line No.	Item	Debt (a)	Equity (b)	Total (c) <sup>7/</sup>
<b><u>Calculation of additional gross revenue requirement</u></b>				
1	Required net operating income	\$201,838 <sup>1/</sup>	518,949 <sup>4/</sup>	\$720,787
2	Net operating income before proposed increase	<u>201,412 <sup>2/</sup></u>	<u>328,867 <sup>5/</sup></u>	<u>530,279</u>
3	Additional net operating income requirement (L1 - L2)	\$426	\$190,082	\$190,508
4	Retention factor	<u>0.9963091 <sup>3/</sup></u>	<u>0.7654709 <sup>6/</sup></u>	
5	Additional revenue requirement (L3 ÷ L4)	<u><u>\$428</u></u>	<u><u>\$248,320</u></u>	<u><u>\$248,748</u></u>

- 1/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (i).  
2/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 1, Column (e).  
3/ Maness Second Stipulation Exhibit 1, Schedule 1-2, Line 10.  
4/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 2, Column (i).  
5/ Maness Second Stipulation Exhibit 1, Schedule 4, Line 2, Column (e).  
6/ Maness Second Stipulation Exhibit 1, Schedule 1-2, Line 14.  
7/ Column (a) plus Column (b).

**DUKE ENERGY PROGRESS, LLC**  
**Docket No. E-2, Subs 1193 and 1219**  
**North Carolina Retail Operations**  
**CALCULATION OF LEVELIZED EDIT RIDER CREDIT**  
**For the Test Year Ended December 31, 2018**  
**(Dollar Amounts Expressed in Thousands)**

**Public Staff**  
**Maness Second Stipulation Exhibit 2**  
**Schedule 1**

Line No.	Item	Year 1 Revenue Requirement (a)	Year 2 Revenue Requirement (b)	Year 3 Revenue Requirement (c)	Year 4 Revenue Requirement (d)	Year 5 Revenue Requirement (e)	Total Revenue Requirement (f)
1	Total NC retail regulatory liability to be amortized	(\$68,933) <sup>1/</sup>					
2	Annuity factor	<u>4.2922</u> <sup>2/</sup>					
3	Levelized rider EDIT regulatory liability (L1 / L2)	(16,060)	(16,060)	(16,060)	(16,060)	(16,060)	(\$80,300) <sup>5/</sup>
4	One minus composite income tax rate	<u>76.8307%</u> <sup>3/</sup>	<u>76.8307%</u>				
5	Net operating income effect (L3 x L4)	(12,339)	(12,339)	(12,339)	(12,339)	(12,339)	(61,695)
6	Retention factor	<u>0.7654709</u> <sup>4/</sup>	<u>0.7654709</u>				
7	Levelized rider EDIT credit (L5 / L6)	<u>(\$16,119)</u>	<u>(\$16,119)</u>	<u>(\$16,119)</u>	<u>(\$16,119)</u>	<u>(\$16,119)</u>	<u>(\$80,597)</u>

- 1/ Smith Supplemental Exhibit 4, Page 1, Columns (b) and (c), Line 10.  
2/ Maness Second Stipulation Exhibit 2, Schedule 1(a), Line 6.  
3/ One minus composite income tax rate of 23.1693%.  
4/ Maness Second Stipulation Exhibit 1, Schedule 1-2, Line 14, Column (d).  
5/ Column (a) plus Column (b).