



Kendrick C. Fentress
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JUN 30 2022

June 30, 2022

VIA ELECTRONIC FILING

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

**Re: Duke Energy Carolinas, LLC's DSM/EE Cost Recovery Rider –Late-Filed Exhibits 1, 2, and 3
Docket No. E-7, Sub 1265**

Dear Ms. Dunston:

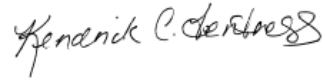
Please find attached three late-filed exhibits resulting from the June 7, 2022 evidentiary hearing in Docket No. E-7, Sub 1265, the DSM/EE Cost Recovery Rider of Duke Energy Carolinas, LLC (the "Company" or "DEC"). These late-filed exhibits are as follows:

- Duke Energy Carolinas, LLC's Late-Filed Exhibit No. 1 is a table showing the number of interactive participants in the My Home Energy Report ("MyHER") portal. (Tr. at pp. 140-41.)
- Duke Energy Carolinas, LLC's Late-Filed Exhibit No. 2 provides information on how energy savings resulting from an energy efficiency program, such as MyHER, are treated in a general rate case for purposes of calculating a revenue requirement. (Tr. at p. 148.)
- Duke Energy Carolinas, LLC's Late-Filed Exhibit No. 3 modifies Panel Cross-examination Exhibit No. 1 to reflect North Carolina-specific information. (Tr. at p. 279.)

The Company shared Late-Filed Exhibit No. 2 with the Public Staff of the North Carolina Utilities Commission prior to filing. The Company's late-filed exhibits, in particular Late-Filed Exhibit No. 2, reflect careful preparation and review, and the Company appreciates the Commission's allowing it the time to prepare and file these exhibits.

Please do not hesitate to contact me if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Kendrick C. Fentress".

Kendrick C. Fentress

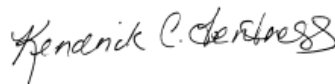
Enclosures

cc: Parties of Record

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Carolinas, LLC's DSM/EE Cost Recovery Rider – Late-Filed Exhibits, in Docket No. E-7, Sub 1265, has been served by electronic mail, hand delivery, or by depositing a copy in the United States Mail, 1st Class Postage Prepaid, properly addressed to parties of record.

This the 30th day of June, 2022.



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Metric	Participants					Percent online participants				
	Sum of Dec - 2018	Sum of Dec - 2019	Sum of Dec - 2020	Sum of Dec - 2021	Sum of Dec - 2023	2018	2019	2020	2021	2023
Row Labels										
NC Duke Energy Carolinas	1,106,295	1,031,849	1,047,662	1,059,418	1,048,634					
HECR	942,080	906,768	912,692	918,941	914,057					
2098: Home Energy Comparison Report - Commercialized	902,838	834,934	821,820	889,386	801,272					
5560: My Home Energy Report - Online	39,242	71,834	90,872	29,555	112,785	4.17%	7.92%	9.96%	3.22%	12.34% MyHER
MFHECR	164,215	125,081	134,970	140,477	134,577					
8258: Multifamily MyHER	160,805	116,361	122,901	136,127	119,520					
8259: Multifamily MyHER Interactive	3,410	8,720	12,069	4,350	15,057	2.08%	6.97%	8.94%	3.10%	11.19% MulitFam MyHER
Grand Total	1,106,295	1,031,849	1,047,662	1,059,418	1,048,634					

EM&V	Sum Y/E May 2018	Sum Y/E Jan 2021	Percent online participants	
			2018	2021
HECR (All)	1,173,821		3.2%	
HECR Online (All)	38,190			
SF-HECR		1,195,987		
MF-HECR		155,138		
SF-HECR Online		126,485		9.6%
MF-HECR Online		15,202		8.9%

Docket E-7, Sub 1214 – DEC Base Rate Case:

Attached is Pirro Exhibit 9 Column (D) from Docket E-7, Sub 1214, which reflects NC Annual Billed kWh Sales of 59,480,702,588 for the base rate test year of 2018. The actual sales are per book and taken from the Company's billing system. Also attached is the Carolinas Operating Revenue Report, which reflects sales of (kWh) 59,480,702,586 for the base rate test year used in Docket E-7, Sub 1214. In the attachment, McManeus Exhibit 1 and 2 in Docket E-7, Sub 1214, McManeus Exhibit 1 Page 3a and 3c, Line 6 show where costs related to non-fuel riders, including EE/DSM, are adjusted to remove them from the base rate case. Item 10 in the E-1 filed in Docket E-7, Sub 1214 includes NC0600 – Adjust for cost recovered through non-fuel riders-DEC pdf attached below. Pages NC0601 Page 1 and 2 shows the details that support the adjustment on McManeus Exhibit 1 Page 3a and 3c, Line 6. It is important to note that sales revenues lost due to DSM/EE activities do not have to be removed from the general rate case amounts, since they never were actually accrued or collected.

Docket E-7, Sub 1192 – DEC EE/DSM filing for the year 2018:

Attached is the DEC NC Rider 11 Exhibits. Evans Exhibit 2, page 1 reflects Net Lost kWhs for 2018 1,227,861,351 kWhs. This is the estimate of the kWh reduction in usage due to the implementation of EE/DSM programs in years 2015-2018. These kWhs are not reflected in the Carolinas Operating Revenue Report (since they were never consumed or paid for by customers), and therefore not included in the actual sales per book for the base rate case. The customers reduced their usage by participating in EE/DSM. Thus, a net level of sales is assumed for purposes of setting the revenue requirement.

For illustration purposes only:

If an assumption was made that DEC did not offer EE programs and therefore customers did not have a reduction due to taking EE measures, Pirro Direct Exhibit 9 and the Carolinas Operating Revenue Report would have reflected sales of 60,708,463,939 kWhs.

59,480,702,588 actual sales

1,227,861,351 kWhs saved by customer due to EE/DSM measures

60,708,463,939

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

(A)	(B)	(C)	(D)	(E)
Rate Class	Applicable Schedules	Proposed EDIT-2 Revenue Requirement ¹	Test Year Sales (kWh) ²	Proposed EDIT-2 Decremental Rate (C) / (D)
Residential Service	ES, RE, RE-CPP, RE-TOU-CPP, RE-TOUD-DPP, RS, RS-CPP, RS-TOU-CPP, RS-TOUD-DPP, RT	(\$80,149,170)	22,763,028,911	(\$0.003521)
General Service	BC, HP, LGS, OPTe, OPTV, PG, S, SGS, SGS-CPP, SGS-TOU-CPP, SGS-TOUD-DPP, TS	(\$49,184,507)	23,480,258,635	(\$0.002095)
Industrial Service	HP, I, OPTe, OPTV, PG	(\$19,039,289)	12,555,666,714	(\$0.001516)
Lighting Service	NL, OL, PL	(\$6,200,528)	681,748,328	(\$0.009095)
		<u>(\$154,573,495)</u>	<u>59,480,702,588</u>	

¹ EDIT Revenue requirement is provided on McManeus Exhibit 4.

² NC Annual Billed kWh Sales are provided by the DEC Per Book extracted from CBIS.



Carolinas Operating Revenue Report - Electric
US Franchised Electric & Gas
Periods 1 Through 12 of the Year 2018

	NORTH CAROLINA					SOUTH CAROLINA					SYSTEM TOTAL				
	RATES BILLED	Number of Customers	Consumption (KWH)	Revenue (\$)	Cents per KWH	RATES BILLED	Number of Customers	Consumption (KWH)	Revenue (\$)	Cents per KWH	RATES BILLED	Number of Customers	Consumption (KWH)	Revenue (\$)	Cents per KWH
Residential G.L. Acct 440.00	21,078,485	20,636,578	22,763,028,911	2,311,296,806.54	10.15	6,064,574	5,945,800	6,953,473,680	752,815,777.98	10.83	27,143,059	26,582,378	29,716,502,591	3,064,112,584.52	10.31
General Service G.L. Acct 442.10	6,548,854	3,207,671	23,900,267,285	1,809,400,445.01	7.57	2,533,250	1,086,887	5,755,968,780	503,182,295.52	8.74	9,082,104	4,294,558	29,656,236,065	2,312,582,740.53	7.80
Textile	4,297	4,501	2,636,970,443	143,528,664.8	5.44	1,326	1,310	1,117,503,867	63,403,277.05	5.67	5,623	5,811	3,754,474,310	206,931,941.85	5.51
Industrial - Other	53,606	51,448	9,918,696,270	593,322,219.34	5.98	17,223	16,849	8,047,199,912	429,518,906.1	5.34	70,829	68,297	17,965,896,182	1,022,841,125.44	5.69
Total Industrial Service G.L. Acct	57,903	55,949	12,555,666,713	736,850,884.14	5.87	18,549	18,159	9,164,703,779	492,922,183.15	5.38	76,452	74,108	21,720,370,492	1,229,773,067.29	5.66
Other Energy G.L. Acct 444.00	163,801	163,801	261,739,677	38,321,114.87	14.64	42,520	42,520	44,385,323	7,600,937.86	17.12	206,321	206,321	306,125,000	45,922,052.73	15.00
Total Retail Sales Billed	27,849,043	24,063,999	59,480,702,586	4,895,869,250.56	8.23	8,658,893	7,093,366	21,918,531,562	1,756,521,194.51	8.01	36,507,936	31,157,365	81,399,234,148	6,652,390,445.07	8.17
Resale Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BPM	18	18	25,390,000	4,364,967.55	17.19	6	6	4,704,000	376,095.	8.00	24	24	30,094,000	4,741,062.55	15.75
WHSE	144	144	4,816,612,509	257,260,449.9	5.34	72	72	4,335,678,537	241,948,035.55	5.58	216	216	9,152,291,046	499,208,485.45	5.45
DCJD	12	12	1,883,641,000	83,709,931.75	4.44	-	-	-	-	-	12	12	1,883,641,000	83,709,931.75	4.44
DCMT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MITI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COOPS	12	12	154,761,573	20,475,002.94	13.23	-	-	-	-	-	12	12	154,761,573	20,475,002.94	13.23
MUNIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	1	1	11,147,947	1,601,486.06	14.37	11	11	15,032,341	2,577,845.36	17.15	12	12	26,180,288	4,179,331.42	15.96
Resale Service G.L. Acct 447.00	187	187	6,891,553,029	367,411,838.2	5.33	89	89	4,355,414,878	244,901,975.91	5.62	276	276	11,246,967,907	612,313,814.11	5.44
Nantahala Sales	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Consolidated Energy Sold and Transf	27,849,230	24,064,186	66,372,255,615	5,263,281,088.76	7.93	8,658,982	7,093,455	26,273,946,440	2,001,423,170.42	7.62	36,508,212	31,157,641	92,646,202,055	7,264,704,259.18	7.84

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DUKE ENERGY CAROLINAS, LLC
OPERATING INCOME FROM ELECTRIC OPERATIONS
Docket No. E-7, Sub 1214 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (a) (Col. 1)	North Carolina Retail Operations				
			Per Books (Col. 2)	Accounting Adjustments (c) (Col. 3)	Before Proposed Increase (Col. 4)	Revenue and Expenses from Proposed Increase (e) (Col. 5)	After Proposed Increase (Col. 6)
1	Electric operating revenue	\$ 7,273,365	\$ 4,904,084	\$ (142,660)	\$ 4,761,424	\$ 445,331	\$ 5,206,755
	Electric operating expenses:						
	Operation and maintenance:						
2	Fuel used in electric generation	1,504,692	989,374	168,854	1,158,228	-	1,158,228
3	Purchased power	317,798	194,348	(170,936)	23,412	-	23,412
4	Other operation and maintenance expense	2,029,601	1,375,939	(205,547)	1,170,392	1,691	1,172,083
5	Depreciation and amortization	1,193,762	838,805	358,330	1,197,135	-	1,197,135
6	General taxes	291,829	194,681	12,832	207,513	-	207,513
7	Interest on customer deposits	8,169 (b)	7,130	-	7,130	-	7,130
8	Net income taxes	340,714	224,997	(59,918)	165,080	103,355	268,435
9	Amortization of investment tax credit	(5,259)	(3,526)	690	(2,836)	-	(2,836)
10	Total electric operating expenses	5,681,305	3,821,748	104,306	3,926,054	105,046	4,031,100
11	Operating income	<u>\$ 1,592,059</u>	<u>\$ 1,082,336</u>	<u>\$ (246,966)</u>	<u>\$ 835,370</u>	<u>\$ 340,285</u>	<u>\$ 1,175,655</u>
12	Original cost rate base (e)	<u>\$ 21,361,527</u>	<u>\$ 14,556,650</u>	<u>\$ 908,092 (d)</u>	<u>\$ 15,464,742</u>	<u>\$ 47,878 (f)</u>	<u>\$ 15,512,620</u>
13	Rate of return on North Carolina retail rate base		<u>7.44%</u>		<u>5.40%</u>		<u>7.58%</u>

Notes: (a) From Form E-1 Item 45A
(b) Reclassifies interest on customer deposits to electric operating expense.
(c) From Page 3, Line 35.
(d) From Page 4, Line 9.
(e) From Page 2.
(f) Reflects an increase in operating funds per lead-lag study for the adjusted total requirements in this rate case excluding the portion already adjusted in Col. 3, Line 12.

DUKE ENERGY CAROLINAS, LLC
 CALCULATION OF ADDITIONAL REVENUE REQUIREMENT
 Docket No. E-7, Sub 1214 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
 (Thousands of Dollars)

Line No.	Description	Dec. 31, 2018 Amount (Col. 1)	Pro forma Ratio (Col. 2)	North Carolina Retail Operations					
				Before Proposed Increase			After Proposed Increase		
				Retail Rate Base (Col. 3)	Embedded Cost/ Return % (Col. 4)	Operating Income (Col. 5)	Retail Rate Base (Col. 6)	Embedded Cost/ Return % (Col. 7)	Operating Income (Col. 8)
1	Long-term debt	\$ 10,993,064	47.00%	\$ 7,268,429	4.51%	\$ 327,806	\$ 7,290,932	4.51%	\$ 328,821
2	Members' equity (a)	11,682,367	53.00%	8,196,313	6.19%	507,564	8,221,689	10.30%	846,834
3	Total	<u>\$ 22,675,431</u>	<u>100.00%</u>	<u>\$ 15,464,742</u> (b)		<u>\$ 835,370</u> (c)	<u>\$ 15,512,620</u> (b)		<u>\$ 1,175,655</u>
4	Operating income before increase (Line 3, Column 5)								835,370
5	Additional operating income required (Line 3 minus Line 4)								340,285
6	Calculate income tax on incremental interest expense due to increase in cash working capital in proposed revenue								(237)
7	Regulatory fee (.12967%), uncollectibles rate (.2501%) and income taxes (23.3503%)								105,283
8	Additional revenue requirement								<u>\$ 445,331</u>

Notes: (a) The equivalent of common equity for a limited liability company.

(b) From Page 1, Line 12, Column 4 and Column 6.

(c) From Page 1, Line 11, Column 4.

DUKE ENERGY CAROLINAS, LLC
 DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
 Docket No. E-7, Sub 1214 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
 (Thousands of Dollars)

Line No.	Description	Electric Operating Revenue (Col. 1)	Fuel Used in Electric Generation (Col. 2)	Purchased Power (Col. 3)	Other O&M Expense (Col. 4)	Depreciation and Amortization (Col. 5)	General Taxes (Col. 6)	Income Taxes 23.6619% (Col. 7)	Amortization of ITC (Col. 8)	Operating Income
1	Annualize retail revenues for current rates	\$ (110,407)	\$ -	\$ -	\$ (826)	\$ -	\$ -	\$ (25,588)	\$ -	(83,994)
2	Update fuel costs to proposed rate	-	209,105	(169,854)	(21,892)	(3,277)	-	(3,288)	-	(10,794)
3	Normalize for weather	(109,566)	(26,163)	-	(416)	-	-	(19,378)	-	(63,609)
4	* Annualize revenues for customer growth	9,942	2,775	-	39	-	-	1,664	-	5,464
5	Eliminate unbilled revenues	26,204	-	-	-	-	-	6,119	-	20,085
6	Adjust for costs recovered through non-fuel riders	50,669	(16,862)	(1,082)	(117,348)	(3,071)	(10)	60,905	-	128,138
7	Adjust O&M for executive compensation	-	-	-	(3,301)	-	-	771	-	2,530
8	Annualize depreciation on year end plant balances	-	-	-	-	59,172	-	(13,817)	690	(46,045)
9	Annualize property taxes on year end plant balances	-	-	-	-	-	7,470	(1,744)	-	(5,725)
10	* Adjust for post test year additions to plant in service	-	-	-	-	50,629	6,771	(13,403)	-	(43,998)
11	* Amortize deferred environmental costs	-	-	-	-	95,913	-	(22,396)	-	(73,517)
12	Annualize O&M non-labor expenses	-	-	-	2,631	-	-	(614)	-	(2,017)
13	* Normalize O&M labor expenses	-	-	-	(23,765)	-	(1,162)	5,820	-	19,106
14	Update benefits costs	-	-	-	(1,433)	-	-	335	-	1,099
15	* Levelize nuclear refueling outage costs	-	-	-	(2,138)	-	-	499	-	1,639
16	* Amortize rate case costs	-	-	-	801	-	-	(187)	-	(614)
17	Adjust aviation expenses	-	-	-	(1,986)	-	(27)	470	-	1,543
18	Adjust for approved regulatory assets and liabilities	-	-	-	1,408	62,706	56	(14,984)	-	(49,187)
19	* Adjust for Merger Related Costs	-	-	-	(5,530)	(21)	(73)	1,313	-	4,311
20	* Amortize Severance Costs	-	-	-	(46,208)	-	-	10,790	-	35,418
21	Adjust NC income taxes for rate change	-	-	-	-	-	-	(2,707)	-	2,707
22	* Synchronize interest expense with end of period rate base	-	-	-	-	-	-	(2,580)	-	2,580

DUKE ENERGY CAROLINAS, LLC
DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
Docket No. E-7, Sub 1214 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Electric Operating Revenue (Col. 1)	Fuel Used in Electric Generation (Col. 2)	Purchased Power (Col. 3)	Other O&M Expense (Col. 4)	Depreciation and Amortization (Col. 5)	General Taxes (Col. 6)	Income Taxes 23.6619% (Col. 7)	Amortization of ITC (Col. 8)	Operating Income
23	* Adjust cash working capital for present revenue annualized and proposed revenue	-	-	-	-	-	-	103	-	(103)
24	Adjust coal inventory	-	-	-	-	-	-	-	-	-
25	* Adjust for credit card fees	-	-	-	8,774	-	-	(2,049)	-	(6,725)
26	Adjust Depreciation for new rates	-	-	-	-	72,133	-	(16,843)	-	(55,290)
27	Adjust vegetation management expenses	-	-	-	7,739	-	-	(1,807)	-	(5,932)
28	Adjust reserve for end of life nuclear costs	-	-	-	-	(1,808)	-	422	-	1,386
29	Update deferred balance and amortize storm costs	-	-	-	-	24,179	-	(5,646)	-	(18,533)
30	Adjust Other Revenue	(9,502)	-	-	(36)	-	-	(2,210)	-	(7,256)
31	Adjust for change in NCUC regulatory fee-DEC	-	-	-	(500)	-	-	117	-	383
32	* Adjust for Hydro Stations Sale	-	-	-	(1,560)	1,773	(193)	(5)	-	(16)
33										
34										
35	Total adjustments	<u>\$ (142,660)</u>	<u>\$ 168,854</u>	<u>\$ (170,936)</u>	<u>\$ (205,547)</u>	<u>\$ 358,330</u>	<u>\$ 12,832</u>	<u>\$ (59,918)</u>	<u>\$ 690</u>	<u>\$ (246,966)</u>

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

DUKE ENERGY CAROLINAS, LLC
 DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
 Docket No. E-7, Sub 1214 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
 (Thousands of Dollars)

Line No.	Description	EPIS	Accum Deprec	Materials & Supplies	Working Capital	ADIT	Operating Reserves	CWIP	Rate Base	Oper Inc Rev Req Impact	R/B Rev Req Impact	Total Rev Req Impact
1	Annualize retail revenues for current rates	-	-	-	-	-	-	-	-	109,581	-	109,581
2	Update fuel costs to proposed rate	-	-	-	-	-	-	-	-	14,082	-	14,082
3	Normalize for weather	-	-	-	-	-	-	-	-	82,987	-	82,987
4	* Annualize revenues for customer growth	-	-	-	-	-	-	-	-	(7,128)	-	(7,128)
5	Eliminate unbilled revenues	-	-	-	-	-	-	-	-	(26,204)	-	(26,204)
6	Adjust for costs recovered through non-fuel riders	(18,328)	4,243	(42,354)	(19,404)	12,472	-	-	(63,371)	(167,173)	(5,857)	(173,030)
7	Adjust O&M for executive compensation	-	-	-	-	-	-	-	-	(3,301)	-	(3,301)
8	Annualize depreciation on year end plant balances	-	-	-	-	-	-	-	-	60,072	-	60,072
9	Annualize property taxes on year end plant balances	-	-	-	-	-	-	-	-	7,470	-	7,470
10	* Adjust for post test year additions to plant in service	1,355,958	(619,363)	-	(4,945)	(17,144)	-	-	714,506	57,401	66,033	123,433
11	* Amortize deferred environmental costs	-	-	-	383,653	(89,584)	-	-	294,069	95,913	27,177	123,090
12	Annualize O&M non-labor expenses	-	-	-	-	-	-	-	-	2,631	-	2,631
13	* Normalize O&M labor expenses	-	-	-	-	-	-	-	-	(24,926)	-	(24,926)
14	Update benefits costs	-	-	-	-	-	-	-	-	(1,433)	-	(1,433)
15	* Levelize nuclear refueling outage costs	-	-	-	-	-	-	-	-	(2,138)	-	(2,138)
16	* Amortize rate case costs	-	-	-	3,080	(719)	-	-	2,361	801	218	1,019
17	Adjust aviation expenses	-	-	-	-	-	-	-	-	(2,013)	-	(2,013)
18	Adjust for approved regulatory assets and liabilities	-	-	-	(139,897)	32,666	-	-	(107,231)	64,171	(9,910)	54,261
19	* Adjust for Merger Related Costs	-	338	-	-	-	-	-	338	(5,624)	31	(5,592)
20	* Amortize Severance Costs	-	-	-	46,113	(10,767)	-	-	35,345	(46,208)	3,266	(42,941)
21	Adjust NC income taxes for rate change	-	-	-	-	-	-	-	-	(3,532)	-	(3,532)
22	* Synchronize interest expense with end of period rate base	-	-	-	-	-	-	-	-	(3,366)	-	(3,366)

Jun 30 2022

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DUKE ENERGY CAROLINAS, LLC
 DETAIL OF ACCOUNTING ADJUSTMENTS-NORTH CAROLINA RETAIL
 Docket No. E-7, Sub 1214 FOR THE TEST PERIOD ENDED DECEMBER 31, 2018
 (Thousands of Dollars)

Line No.	Description	EPIS	Accum Deprec	Materials & Supplies	Working Capital	ADIT	Operating Reserves	CWIP	Rate Base	Oper Inc Rev Req Impact	R/B Rev Req Impact	Total Rev Req Impact
23	* Adjust cash working capital for present revenue annualized and proposed revenue	-	-	-	(20,794)	-	-	-	(20,794)	134	(1,922)	(1,787)
24	Adjust coal inventory	-	-	3,848	-	-	-	-	3,848	-	356	356
25	* Adjust for credit card fees	-	-	-	-	-	-	-	-	8,774	-	8,774
26	Adjust Depreciation for new rates	-	(72,913)	-	-	-	-	-	(72,913)	72,133	(6,738)	65,395
27	Adjust vegetation management expenses	-	-	-	-	-	-	-	-	7,739	-	7,739
28	Adjust reserve for end of life nuclear costs	-	-	-	-	-	-	-	-	(1,808)	-	(1,808)
29	Update deferred balance and amortize storm costs	-	-	-	169,251	(39,520)	-	-	129,730	24,179	11,989	36,168
30	Adjust Other Revenue	-	-	-	-	-	-	-	-	9,466	-	9,466
31	Adjust for change in NCUC regulatory fee-DEC	-	-	-	-	-	-	-	-	(500)	-	(500)
32	* Adjust for Hydro Stations Sale	(36,522)	14,093	(146)	19,280	(4,502)	-	-	(7,797)	20	(721)	(700)
33												
34												
35	Total adjustments	<u>\$ 1,301,107</u>	<u>\$ (673,602)</u>	<u>\$ (38,652)</u>	<u>\$ 436,337</u>	<u>\$ (117,099)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 908,092</u>	<u>\$ 322,201</u>	<u>\$ 83,923</u>	<u>\$ 406,124</u>

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

DUKE ENERGY CAROLINAS, LLC
ORIGINAL COST RATE BASE-ELECTRIC OPERATIONS
Docket No. E-7, Sub 1214 DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Page Reference	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
				Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
1	Electric plant in service	4a	\$ 41,057,320	\$ 27,969,103	\$ 1,301,107	\$ 29,270,210
2	Less: Accumulated depreciation and amortization	4b	<u>(15,830,487)</u>	<u>(10,810,668)</u>	<u>(673,602)</u>	<u>(11,484,270)</u>
3	Net electric plant		25,226,833	17,158,435	627,506	17,785,940
4	Add: Materials and supplies	4c	994,443	678,077	(38,652)	639,426
5	Working capital investment	4d	(406,979)	(253,955)	436,337	182,381
6	Less: Accumulated deferred taxes		(3,824,449)	(2,601,854)	(117,099)	(2,718,952)
7	Operating reserves		(628,321)	(424,053)	-	(424,053)
8	Construction work in progress		<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
9	Total		<u>\$ 21,361,527</u>	<u>\$ 14,556,650</u>	<u>\$ 908,092</u>	<u>\$ 15,464,742</u>

DUKE ENERGY CAROLINAS, LLC
ELECTRIC PLANT IN SERVICE AT ORIGINAL COST
Docket No. E-7, Sub 1214 DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
1	Production Plant	\$ 22,181,205	\$ 14,978,527	\$ 440,620	\$ 15,419,147
2	Transmission Plant	4,052,747	2,179,775	160,056	2,339,831
3	Distribution Plant	12,085,804	8,938,158	550,071	9,488,229
4	General Plant	1,212,985	830,763	90,249	921,011
5	Intangible Plant	<u>986,751</u>	<u>687,541</u>	<u>60,112</u>	<u>747,653</u>
6	Subtotal	40,519,492 (a)	27,614,764	1,301,107	28,915,872
7	Nuclear Fuel (Net)	<u>537,828</u>	<u>354,338</u>	<u>-</u>	<u>354,338</u>
8	Total electric plant in service	<u>\$ 41,057,320</u>	<u>\$ 27,969,103</u>	<u>\$ 1,301,107</u>	<u>\$ 29,270,210</u>

Notes: (a) Excludes asset retirement obligations, electric plant held for future use, and electric plant acquisition adjustments totaling \$642,372 thousand.

(b) Reflects certain plant in service additions/retirements through January 2020, and a reduction for solar electric plant recovered through the REPS rider.

DUKE ENERGY CAROLINAS, LLC
ACCUMULATED DEPRECIATION AND AMORTIZATION - ELECTRIC PLANT IN SERVICE
Docket No. E-7, Sub 1214 DECEMBER 31, 2018
(Thousands of Dollars)

No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
1	Production Reserve	\$ (8,604,490)	\$ (5,795,067)	\$ (457,776)	\$ (6,252,844)
2	Transmission Reserve	(1,385,391)	(745,942)	(7,009)	(752,951)
3	Distribution Reserve	(4,816,028)	(3,561,642)	(111,855)	(3,673,497)
4	General Reserve	(414,681)	(285,334)	(45,259)	(330,594)
5	Intangible Reserve	<u>(609,897)</u>	<u>(422,682)</u>	<u>(51,702)</u>	<u>(474,384)</u>
6	Total	<u>\$ (15,830,487) (a)</u>	<u>\$ (10,810,668)</u>	<u>\$ (673,602)</u>	<u>\$ (11,484,270)</u>
7	The annual composite rates based on the new depreciation study for computing depreciation (straight-line method) are shown below:				
8	Steam production plant	4.40%			
9	Nuclear production plant	3.60%			
10	Hydro production plant	2.00%			
11	Other production plant	3.21%			
12	Transmission plant	2.23%			
13	Distribution plant	2.28%			
14	General plant	Various			
15	Intangible plant	20.00%			

Notes: (a) Excludes accumulated amortization of electric plant acquisition adjustment and accumulated depreciation related to asset retirement obligations totaling (\$107,345) thousand.

(b) Consists of adjustments to depreciation for year-end plant and certain plant additions/retirements through January 2020.

DUKE ENERGY CAROLINAS, LLC
MATERIALS AND SUPPLIES
Docket No. E-7, Sub 1214 DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations		
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)	As Adjusted (Col. 4)
	Fuel Stock:				
1	Coal	\$ 175,291	\$ 115,487	\$ 3,848 (a)	\$ 119,336
2	Gas	<u>45,470</u>	<u>29,957</u>	<u>-</u>	<u>29,957</u>
3	Total fuel stock	220,761	145,444	3,848	149,293
4	Other electric materials and supplies and stores clearing	<u>773,682</u>	<u>532,633</u>	<u>(42,500)</u>	<u>490,133</u>
5	Total Materials and Supplies	<u><u>\$ 994,443</u></u>	<u><u>\$ 678,077</u></u>	<u><u>\$ (38,652)</u></u>	<u><u>\$ 639,426</u></u>

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

DUKE ENERGY CAROLINAS, LLC
WORKING CAPITAL INVESTMENT
Docket No. E-7, Sub 1214 DECEMBER 31, 2018
(Thousands of Dollars)

Line No.	Description	Total Company Per Books (Col. 1)	North Carolina Retail Operations		Impact of Rev Incr (Col. 5)	With Rev Incr (Col. 6)
			Per Books (Col. 2)	Accounting Adjustments (Col. 3)		
				As Adjusted (Col. 4)		
1	Required bank balance	\$ 300	\$ 204	\$ -	\$ 204	\$ 204
2	Investor advanced funds: Operating funds per lead-lag study	260,829	177,740 (a)	(20,794) (b)	156,946	47,878 (C) 204,825
3	Unamortized Debt	114,911	78,306	-	78,306	- 78,306
4	Pension Funding	580,803	394,363	-	394,363	- 394,363
5	Injuries and Damages	705,912	477,557	-	477,557	- 477,557
6	Regulatory Asset and Liability - Tax	(3,338,909)	(2,208,434)	-	(2,208,434)	- (2,208,434)
7	Other	1,395,759	922,916	457,131	1,380,047	- 1,380,047
8	Total investor advanced funds	(280,695)	(157,552)	436,337	278,785	47,878 326,663
9	Less: customer deposits	(126,585)	(96,608)	-	(96,608)	- (96,608)
10	Total working capital investment	\$ (406,979)	\$ (253,955)	\$ 436,337	\$ 182,381	\$ 47,878 \$ 230,260

Notes: (a) From Speros Exhibit 2, Line 19.

(b) Reflects a decrease in 'operating funds per lead-lag study' for the adjusted total requirements in this rate case.

(C) Reflects an increase in 'operating funds per lead-lag study' for the impact of the revenue increase.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1214
Summary of Proposed Revenue Adjustments
For the test period ended December 31, 2018

McManeus
Exhibit 2

Line No.	Description	NC Retail
1		
2	Revenue Requirement from Exhibit 1	\$ 445,331
3	EDIT Rider	(154,573)
4	Total Requested Increase	<u>\$ 290,757</u>

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1214
Adjust for costs recovered through non-fuel riders
For the test period ended December 31, 2018

NC-0600
Narrative
Application

E-1 Item 10 Adjustments Requirement

Provide the detail work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment, including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

Detailed Narrative Explanation of Adjustment

This pro forma adjusts revenues and expenses to remove amounts that are associated with cost recovery through the following non-fuel riders: Renewable Energy Portfolio Standard Rider, Energy Efficiency Rider, EDIT Rider, GreenSource Rider, EDPR, BPM rider and House Bill 589. Rate base is also adjusted to eliminate the amounts recorded on the Company's financial statements as of December 31, 2018 related to these riders. The rate base adjustments are shown on McManeus Exhibit 1, pages 4, 4a, 4b, 4c, and 4d.

The impact to operating income was determined as follows:

The adjustment to revenue eliminates the NC SAW costs that were deferred, adjusts EDPR revenue and removes deferred DSM costs.

The adjustment to fuel expense eliminates the RECS consumption expense and BPM fuel

The adjustment to purchase power expense eliminates the Green Source premium expense

The adjustment to operation and maintenance expense eliminates the Energy Efficiency Demand Side Program Costs, REPs Solar, Green Source Administrative expenses, BPM Rider and House Bill 589 expenses incurred during the test period.

The adjustment to depreciation and amortization eliminates the amortization of the regulatory assets or liabilities that impact the test period for these riders.

The adjustment to general taxes eliminates the payroll taxes associated with the Green Source Administrative expenses and the BPM rider incurred during the test period.

The impact to income taxes was determined by multiplying taxable income by the statutory tax rate plus the removal of the EDIT rider amortization impact to taxes.

The impact to rate base was determined as follows:

The adjustment to electric plant in service eliminates the solar assets considered avoided costs up to the cap that are collected in the REPS rider.

The adjustment to accumulated depreciation eliminates the solar assets considered avoided costs up to the cap that are collected in the REPS rider.

The adjustment to materials and supplies eliminates the renewable energy credits that impact the test period for the REPS rider.

The adjustment to working capital investment eliminates the balances of the regulatory assets or liabilities that impact the test period for these riders.

The adjustment to accumulated deferred income taxes reflects the tax effect of the working capital investment adjustment above.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1214
Adjust for costs recovered through non-fuel riders
For the test period ended December 31, 2018
(Dollars in thousands)

NC-0600
Page 1 of 1
Application

Line No.	Description	Source	Total NC Retail Application
1			
2	<u>Pro Formas Impacting Income Statement Line Items</u>		
3			
4	Electric operating revenue	NC-0601	\$ 50,669
5			
6	Electric operating expenses:		
7	Operation and maintenance		
8	Fuel used in electric generation	NC-0601	(16,862)
9	Purchased power	NC-0601	(1,082)
10	Other operation and maintenance expense	NC-0601	(117,348)
11	Depreciation and amortization	NC-0601	(3,071)
12	General taxes		(10)
13	Interest on customer deposits		-
14	Income taxes	NC-0601	60,905
15	Amortization of investment tax credit		-
16			
17	Total electric operating expenses	Sum L8 through L15	<u>(77,469)</u>
18			
19	Operating income	L4 - L17	<u>\$ 128,138</u>
20			
21	Notes:		
22	Revenue: positive number increases revenue / negative number decreases revenue		
23	Expense: positive number increases expense / negative number decreases expense		
24			
25			
26	<u>Pro Formas Impacting Rate Base Line Items</u>		
27			
28	Electric plant in service	NC-0601	\$ (18,328)
29	Accumulated depreciation and amortization	NC-0601	4,243
30	Electric plant in service, net	L28 + L29	<u>\$ (14,085)</u>
31			
32	Add:		
33	Materials and supplies	NC-0601	(42,354)
34	Working capital investment	NC-0601	(19,404)
35			-
36			
37	Less:		
38	Accumulated deferred taxes	NC-0601	12,472
39	Operating reserves		-
40			-
41			
42	Construction work in progress		-
43			
44	Total impact to rate base	Sum L30 through L42	<u>\$ (63,371)</u>
45			
46	Note:		
47	Rate Base: positive number increases rate base / negative number decreases rate base		

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1214
Adjust for costs recovered through non-fuel riders
For the test period ended December 31, 2018
(Dollars in thousands)

NC-0601
Page 1 of 2
Application

Line No.	Description	EE	REPS	EDIT	Green Source	EDPR	BPM	HB 589	Adjustment to Total Carolinas	NC Retail Allocation	Total NC Retail
1											
2	Impact to Income Statement Line Items										
3	Electric operating revenue:										
4	Remove NC SAW Deferred Revenue (Account 0456560)	40,020 [1]							\$ 40,020	100.0000%	\$ 40,020
5	Adjust EDPR Revenue & Remove Deferred DSM Costs - NC (Account 0456640)					377 [15]			377	100.0000%	377
6	Remove BPM Deferred Revenue (Account 0449100)						10,272 [16]		10,272	100.0000%	10,272
7	Impact to revenue (Sum L4 through L6)								\$ 50,669		\$ 50,669
8											
9	Fuel used in electric generation:										
10	Remove RECS Consumption Expense (Account 0509213)		17,166 [1]						\$ (17,166)	92.6008% [2]	\$ (15,896)
11	Remove BPM Fuel						1,628 [16]		(1,628)		(967)
12	Impact to fuel (Sum L10 through L11)								\$ (18,794)		\$ (16,862)
13											
14	Purchased power										
15	Remove Green Source Premium (0555 Purchase Power)				1,082 [13]				\$ (1,082)	100.0000%	\$ (1,082)
16											
17	Other operation and maintenance expense:										
18	Remove Total Energy Efficiency & Demand Side Program Costs - Energy	128,965 [3]							\$ (128,965)	73.0728% [4]	\$ (94,238)
19	Remove Total Energy Efficiency & Demand Side Program Costs - Demand	30,495 [3]							(30,495)	74.2414% [5]	(22,640)
20	Remove other operations and Maint. - solar - NC REPS avoided to cap		187 [8]						(187)		(126)
21	Remove other operations and Maint. - solar - NC REPS avoided to cap deferral		(198) [1]						198	67.4345% [17]	134
22	Remove other operations and Maint. - solar - Shared Solar and GSA HB 589							17 [1]	(17)	100.0000%	(17)
23	Remove other operations and Maint. - Green Source Rider					24 [13]			(24)	67.7195% [14]	(17)
24	Remove BPM O&M						749 [16]		(749)		(444)
25	Impact to O&M (Sum L18 through L24)								\$ (160,238)		\$ (117,348)
26											
27	Depreciation and amortization:										
28	Remove REPS Rider NC Retail (Account 0407350)		848 [1]						\$ (848)	100.0000%	\$ (848)
29	Remove REPS Rider NC Wholesale (Account 0407351)		90 [1]						(90)	0.0000%	-
30	Remove REPS Rider NC Retail - Cert (Account 0407352)		21,268 [1]						(21,268)	100.0000%	(21,268)
31	Remove REPS Rider NC Wholesale - Cert (Account 0407353)		1,285 [1]						(1,285)	0.0000%	-
32	Remove EDIT Rider Amortization (Account 0407398)			(3,016) [1]					3,016	100.0000%	3,016
33	Remove NC Amortization of Retail REC Expense (Account 0407450)		(16,384) [1]						16,384	100.0000%	16,384
34	Remove NC Amortization of Wholesale REC Expense (Account 0407451)		(782) [1]						782	0.0000%	-
35	Remove RECS COS (Account 0411861)		335 [1]						(335)	91.4000% [6]	(307)
36	Remove depreciation and amort. - solar - NC REPS avoided to cap		743 [8]						(743)	67.4345% [17]	(501)
37	Remove depreciation and amort. -0403850 - Deferral of Depr. Exp. - Solar		(672) [10]						672	67.4345% [17]	453
38	Impact to depreciation and amortization (Sum L28 through L37)								\$ (3,716)		\$ (3,071)
39											
40	General taxes										
41	Remove Green Source Premium				1 [13]				\$ (1)	67.7195%	\$ (1)
42	Remove BPM General Taxes						15 [16]		(15)		(9)
43	Impact to General Taxes (Sum L41 through L42)								\$ (17)		\$ (10)

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1214
Adjust for costs recovered through non-fuel riders
For the test period ended December 31, 2018
(Dollars in thousands)

NC-0601
Page 2 of 2
Application

Line No.	Description	EE	REPS	EDIT	Green Source	EDPR	BPM	HB 589	Adjustment to Total Carolinas	NC Retail Allocation	Total NC Retail
44											
45	Taxable income (L7 - (L12 + L15 + L25 + L38 + L43))								\$ 234,516		\$ 189,043
46											
47	Statutory tax rate								23.3503% [7]		23.3503% [7]
48	Impact to income taxes (L45 x L47)								\$ 54,760		\$ 44,142
49	EDIT Impact to Income Taxes			(16,763) [12]					16,763	100.0000%	16,763
50	Total Tax impact (Sum L48 through L49)								\$ 71,523		\$ 60,905
51											
52	Impact to operating income (L45 - L50)								\$ 162,993		\$ 128,138
53	Impact to Rate Base Line Items										
54	Electric plant in service:										
55	Remove electric plant in service - solar - NC REPS avoided to cap		19,456 [8]						\$ (19,456)	94.2019% [9]	\$ (18,328)
56	Impact to electric plant in service (L55)								\$ (19,456)		\$ (18,328)
57											
58	Accumulated depreciation and amortization:										
59	Remove accumulated depreciation - solar - NC REPS avoided to cap		(4,504) [8]						\$ 4,504	94.2019% [9]	\$ 4,243
60	Impact to accumulated depreciation and amortization (L59)								\$ 4,504		\$ 4,243
61											
62	Materials and supplies:										
63	Remove Renewable Energy Credits (RECs) DE Carolinas - NC (Account 0158120)		45,738 [10]						\$ (45,738)	92.6008% [2]	\$ (42,354)
64											
65	Working capital investment:										
66	Remove REPS Incremental Costs (Account 0182359)		(2,960) [10]						\$ 2,960	92.6008% [2]	\$ 2,741
67	Remove Duke Generated REC Certificate (Account 0182374)		6,927 [10]						(6,927)	92.6008% [2]	(6,414)
68	Remove SC Save a Watt Regulatory Asset (Account 0182361)	53,636 [10]							(53,636)	0.0000%	-
69	Remove Save a Watt Regulatory Asset (Account 0182381)	115,589 [10]							(115,589)	100.0000%	(115,589)
70	Remove CPRE Rider- Asset - Retail (Account 0182528)							446 [10]	(446)	100.0000%	(446)
71	Remove NC Solar Rebate Program Costs - Asset - Retail (Account 0182560)		3,441 [10]						(3,441)	100.0000%	(3,441)
72	Remove NC Solar Amort - Asset - Retail (Account 0182563)		62 [10]						(62)	100.0000%	(62)
73	Remove Deferred Debt Return - Solar (Account 0253905)		(6,569) [10]						6,569	92.6008% [2]	6,083
74	Remove New NC EDIT for 3% - 2.5% EDIT Balance (Account 0254150)			(34,339) [11]					34,339	100.0000%	34,339
75	Remove NC REC Liability - Retail (Account 0254250)		(63,386) [10]						63,386	100.0000%	63,386
76	Remove NC REC Liability - Wholesale (Account 0254251)		(5,973) [10]						5,973	0.0000%	-
77	Impact to working capital investment (Sum L66 through L76)								\$ (66,874)		\$ (19,404)
78											
79	Accumulated deferred income tax:										
80	Applicable working capital investment (Sum L66 + L68 + L69 + L70 + L71 + L72 + L75 + L76)								\$ (100,855)		\$ (53,411)
81	Deferred tax rate								23.3503% [7]		23.3503% [7]
82	Impact to accumulated deferred income tax (-L80 x L81)								\$ 23,550		\$ 12,472
83											
84	Impact to rate base (L56 + L60 + L63 + L77 + L82)								\$ (104,014)		\$ (63,371)

- [1] NC-0605 - Journal Detail
[2] Allocation Factor - MWH at Generation Level - NC State Only
[3] NC-0602 - Detail SAW Costs by Approved Program (Carolinas System)
[4] Allocation Factor - MWH Sales Excluding Intersystem (Factor 6) - Retail Only
[5] Allocation Factor - Demand at Generation Level (Factor 1) - Retail Only
[6] Allocation Factor - 0403600 - Solar Above Cap (Original Solar DG Program) - NC State Only
[7] NC-0104 - 2018 Calculation of Tax Rates - Statutory and Deferred Tax Rate, Line 10
[8] NC-0603 - Eliminate Solar Costs - Per Book
[9] Allocation Factor - Demand at Generation Level (Factor 1) - NC State Only
[10] E-1 Item 2, Trial Balance
[11] E1-45 Cost of Service Study
[12] NC-0606 - State EDIT rider From DEC 2017 rate case
[13] NC-0604 - Green Source Premium and Admin Expenses
[14] Allocation Factor - All Labor
[15] NC-0607 - Adjust EDPR Rider
[16] NC-0608 - Remove BPM Rider
[17] Allocation Factor - All - Production Demand

Detail SAW Costs by Approved Program (Carolinas System)

12 Months Ended 12-31-2018

Note: Groupings of cost are based on approved programs

Line No.	Description	Product ID	Costs by Product	% to Total	Allocation of Overhead	Total Costs Including Overhead
1						
2	Energy Efficiency Education					
3	K12 Performance	K12PRF	1,914,757	1.2%	67,616	1,982,374
4	Energy Efficiency Education		1,914,757		67,616	1,982,374
5						
6	Home Energy Comparison Report	HECR	11,722,321	7.6%	413,953	12,136,274
7						
8	Low Income Services					
9	Refrigerator Replacement	REFRPL	265,801	0.2%	9,386	275,187
10	Weatherization-Electric	WZELEC	2,554,895	1.7%	90,222	2,645,117
11	Low Income Services		2,820,697		99,608	2,920,304
12						
13	Non Res Energy Assessments					
14	Non-Res Custom Enrgy Dsgn As	NRCEDA	476	0.0%	17	493
15	Non-Res Custom Assessment	NRCAMT	393,812	0.3%	13,907	407,718
16	Non Res Energy Assessments		394,287		13,924	408,211
17						
18	Behavioral Services					
19	Behavioral - Commercial Office	BHAVCO	211,772	0.1%	7,478	219,250
20	Behavioral - Healthcare	BHAVHC	1,049	0.0%	37	1,086
21	Behavioral Services		212,821		7,515	220,336
22						
23						
24	Non Res Smart Saver					
25	Non-Res Pres-Food Service	NRFS	227,808	0.1%	8,045	235,853
26	Non-Res Pres-HVAC	NRHVAC	1,567,101	1.0%	55,339	1,622,441
27	Non-Res Pres-Lighting	NRLTG	25,016,027	16.2%	883,397	25,899,424
28	Non-Res Information Technology	NRIT	35,655	0.0%	1,259	36,914
29	Non-Res Pres-Pumps & Motors	NRP&M	268,592	0.2%	9,485	278,077
30	Non-Res Pres-Process Equip	NRPROC	65,275	0.0%	2,305	67,580
31	Non-Res Pay for Performance	NRPPRF	463,735	0.3%	16,376	480,111
32	Non-Res Custom Incentive (DEC	NRCUST	5,869,452	3.8%	207,269	6,076,722
33	Non Res Smart Saver		33,513,645		1,183,475	34,697,121
34						
35	Power Manager	PWRMGR	13,973,045	9.1%	493,434	14,466,479 [A]
36						
37	Power Share	PWRSHR	12,519,324	8.1%	442,098	12,961,422 [A]
38						
39	Small Business EE DR	SBEDR	2,962,104	1.9%	104,601	3,066,705 [A]
40						
41	Small Business Direct Install	SSBDIR	15,449,386	10.0%	545,568	15,994,954
42						
43	Home Energy House Call	HEHC	2,725,069	1.8%	96,231	2,821,300
44						
45	Residential Neighborhood Program	HWLI	3,415,102	2.2%	120,598	3,535,701
46						
47	Residential Retail Lighting	RTLLED	15,899,496	10.3%	561,463	16,460,959
48						
49	Residential Smart Saver					
50	Residential CFL Property Mgr	RCFLPM	1	0.0%	0	1
51	Residential CFL Rebate	RCFL	-	0.0%	-	-
52	Residential CFL Spec Bulbs	RCFLSP	2,414,318	1.6%	85,257	2,499,575
53	Residential LED Kits	RLED	19,470,908	12.6%	687,581	20,158,489
54	Smart Saver-Air Conditioners	SSAC	2,021,392	1.3%	71,382	2,092,774

Line No.	Description	Product ID	Costs by Product	% to Total	Allocation of Overhead	Total Costs Including Overhead	
55							
56	Smart Saver-Attic Ins/Air Seal	SSAIAS	447,487	0.3%	15,802	463,289	
57	Smart Saver-Duct Insulation	SSDINS	2,490	0.0%	88	2,578	
58	Smart Saver-Duct Sealing	SSDSEA	196,502	0.1%	6,939	203,441	
59	Smart Saver-Heat Pumps	SSHP	2,586,491	1.7%	91,337	2,677,829	
60	Quality Installation	SSQI	426,904	0.3%	15,075	441,980	
61	Smart Thermostat	SSST	1,188,099	0.8%	41,956	1,230,055	
62	Heat Pump Water Heater	HPWH	69,888	0.0%	2,468	72,356	
63	Multi-Family Aerators	MFEEAR	390,898	0.3%	13,804	404,702	
64	Multi-Family Pipe Wrap	MFEEPW	243,130	0.2%	8,586	251,716	
65	Multi-Family Showerheads	MFEEHS	593,387	0.4%	20,954	614,341	
66	Multi-Family MyHer	MFHECR	1,008,628	0.7%	35,618	1,044,246	
67	EE Variable Speed Pool Pump	PEEPVS	255,651	0.2%	9,028	264,678	
68	Energy Efficiency Referral	EER	(136,096)	-0.1%	(4,806)	(140,902)	
69	Non EE Referral Revenue	NONEER	(52,398)	0.0%	(1,850)	(54,248)	
70	Residential LED Property Mgr	RLEDPM	2,236,756	1.5%	78,987	2,315,743	
71	Smart Meter Usage App	SMUA	246,348	0.2%	8,699	255,047	
72	Single-Family Aerators	SFEEAR	416,391	0.3%	14,704	431,096	
73	Single-Family Pipe Wrap	SFEEPW	293,461	0.2%	10,363	303,824	
74	Single-Family Showerheads	SFEEHS	559,189	0.4%	19,747	578,936	
75	Residential Smart Saver		34,879,825		1,231,720	36,111,544	
76							
77	Marketplace Smart Strips	MPSMST	1,573	0.0%	56	1,629	
78	Marketplace Smart Thermostats	MPSMTS	1,614,819	1.0%	57,024	1,671,844	
79	Marketplace Water Products	MPWTR	2,088	0.0%	74	2,162	
80	Marketplace		1,618,480		57,154	1,675,634	
81							
82	Overheads	NOPROD	5,438,958				
83							
84	Total Energy Efficiency & Demand Side Program Costs		159,459,318		5,438,958	159,459,318	[B]
85							
86	Total Energy Efficiency & Demand Side Program Costs					159,459,318	[B]
87	0500lxx-O&M-Prod-Expense-NC Demand-DSM/EE					30,494,606	[A]
88	0500lxx-O&M-Prod-Expense-NC Energy-DSM/EE					128,964,712	[B] - [A]

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Solar Costs - Per Book

Line No.	Description	Total	Base Rates Up to Avoided Cost	NC REPS Avoided to Cap-IC	NC Base Rates- Excess Above Cap	
1						
2	Allocation Percentages for Solar Costs Solar PVDG	100.00%	29.03%	43.76%	27.21%	[1]
3	Allocation Percentages for Solar Costs Monroe	100.00%	84.40%	4.20%	11.40%	[1]
4	Allocation Percentages for Solar Costs Mocksville	100.00%	74.92%	3.73%	21.35%	[1]
5	Allocation Percentages for Solar Costs Woodleaf	100.00%	78.60%	4.20%	17.20%	[1]
6						
7	<u>Other operation and maintenance expense - Solar:</u>					
8	Impact to other operation and maintenance expense - Solar PVDG	\$ 277	\$ 81	\$ 121	\$ 75	
9	Impact to other operation and maintenance expense - Monroe	1,224	1,033	51	140	
10	Impact to other operation and maintenance expense - Solar Mocksvill	383	287	14	82	
11	Impact to other operation and maintenance expense - Solar Woodlea	-	-	-	-	
12	Total other operation and maintenance expense - Solar	\$ 1,884 [2]	\$ 1,400	\$ 187	\$ 297	
13						
14	Total other operation and maintenance expense - Solar Deferral	\$ (198) [3]		\$ (198)		
15						
16	<u>Depreciation and amortization - Solar:</u>					
17	Impact to Depreciation and amortization - Solar PVDG	\$ 1,169	\$ 339	\$ 512	\$ 318	
18	Impact to Depreciation and amortization - Solar Monroe	4,297	3,626	180	490	
19	Impact to Depreciation and amortization - Solar Mocksville	1,375	1,030	51	294	
20	Impact to Depreciation and amortization - Solar Woodleaf	-	-	-	-	
21	Total depreciation and amortization - Solar	\$ 6,841 [2]	\$ 4,996	\$ 743	\$ 1,102	
22	<u>Electric Plant in Service - Solar:</u>					
23	Impact to electric plant in service - Solar PVDG	\$ 29,306	\$ 8,508	\$ 12,825	\$ 7,973	
24	Impact to electric plant in service - Monroe	116,568	98,384	4,896	13,289	
25	Impact to electric plant in service - Solar Mocksville	31,773	23,804	1,184	6,785	
26	Impact to electric plant in service - Solar Woodleaf	13,133	10,322	552	2,259	
27	Total Electric Plant in Service - Solar	\$ 190,780 [2]	\$ 141,018	\$ 19,456	\$ 30,306	
28						
29	<u>Accumulated Depreciation - Solar:</u>					
30	Impact to accum. depr. - Solar PVDG	\$ (9,397)	\$ (2,728)	\$ (4,112)	\$ (2,557)	
31	Impact to accum. depr. - Solar Monroe	(6,589)	(5,561)	(277)	(751)	
32	Impact to accum. depr. - Solar Mocksville	(3,099)	(2,322)	(116)	(662)	
33	Impact to accum. depr. - Solar Woodleaf	-	-	-	-	
34	Total Accumulated Depreciation - Solar	\$ (19,085) [2]	\$ (10,611)	\$ (4,504)	\$ (3,970)	

[1] Information provided by Duke Energy Carolinas Rates and Regulatory Filings

[2] Information provided by Duke Energy Carolinas Accounting

[3] NC-0605 - Journal Detail, Line 109

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2018 Green Source Rider Premium and Admin Expenses

Line No.	Description	Total
1	Purchased Power (555)	\$ 161,345
2	Purchased Power (555)	74,458
3	Purchased Power (555)	846,535
4	Purchased power	<u>\$ 1,082,337</u>
5		
6		
7	0920000 - A and G Salaries	\$ 19,063
8	0921100 - Employee Expenses	159
9	0921200 - Office Expenses	12
10	0923000 - Outside Services Employed	811
11	0926600 - Employee Benefits - Transferred	4,386
12	Other operation and maintenance expense:	<u>\$ 24,431</u>
13		
14	0408000 - NC Property Tax - Electric	1,356.88
15	General taxes	<u>\$ 1,357</u>
16		
17	Total	<u><u>\$ 1,108,125</u></u>

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Journal Detail

Line No.	Account & Descr	Journal ID JD	Journal Description	Amount
1	0407350 - REPS Rider NC Retail	RECRIDER	Amortize REPS Incremental new	408,680
2	0407350 - REPS Rider NC Retail	RECRIDER	Amortize REPS Incremental	1,710,481
3	0407350 - REPS Rider NC Retail	RECRIDER	Amortize REPS Incremental EMF	(630,511)
4	0407350 - REPS Rider NC Retail	RECRIDER	Amortize REPS Incremental EMFn	(584,122)
5	0407350 - REPS Rider NC Retail	RECRIDER	Amortize REPS Incremental EMFo	(10,642)
6	0407350 - REPS Rider NC Retail	RECRIDER	Amortize REPS Incremental old	61,687
7	0407350 - REPS Rider NC Retail	RECWO_2016	Write off remainder-2016	(107,229)
8	Total 0407350 - REPS Rider NC Retail	Sum:		848,344
9				
10	0407351 - REPS Rider NC Whse	CXLWHSEREC	WHSE EMF Incremental	(83,156)
11	0407351 - REPS Rider NC Whse	CXLWHSEREC	WHSE Prospective Incremental	172,976
12	Total 0407351 - REPS Rider NC Whse	Sum:		89,820
13				
14	0407352 - REPS Rider NC Retail-Cert	RECRIDER	Defer Revenue for RECs	24,658,792
15	0407352 - REPS Rider NC Retail-Cert	RECRIDER	Defer Revenue for RECs EMF	(5,843,832)
16	0407352 - REPS Rider NC Retail-Cert	RECRIDER	Defer Revenue for RECs EMF new	(5,311,576)
17	0407352 - REPS Rider NC Retail-Cert	RECRIDER	Defer Revenue for RECs EMF old	(101,535)
18	0407352 - REPS Rider NC Retail-Cert	RECRIDER	Defer Revenue for RECs new	6,441,662
19	0407352 - REPS Rider NC Retail-Cert	RECRIDER	Defer Revenue for RECs old	873,573
20	0407352 - REPS Rider NC Retail-Cert	RECWO_2016	Write off remainder-2016	551,238
21	Total 0407352 - REPS Rider NC Retail-Cert	Sum:		21,268,322
22				
23	0407353 - REPS Rider NC Whse-Cert	CXLWHSEREC	WHSE EMF Certificates	(1,233,636)
24	0407353 - REPS Rider NC Whse-Cert	CXLWHSEREC	WHSE Prospective Certificates	2,518,192
25	Total 0407353 - REPS Rider NC Whse-Cert	Sum:		1,284,556
26				
27	0407398 - EDIT Rider Amortization	EDITRIDER	EDIT Rider Amortization	(3,016,460)
28	Total 0407398 - EDIT Rider Amortization	Sum:		(3,016,460)
29				
30	0407450 - NC Amort of Retail REC Exp	REPS_COMPL	RECs used for Retail Complianc	(16,383,758)
31	Total 0407450 - NC Amort of Retail REC Exp	Sum:		(16,383,758)
32				
33	0407451 - NC Amort of Whse REC Exp	REPS_COMPL	RECs used for Whse Complianc	(782,036)
34	Total 0407451 - NC Amort of Whse REC Exp	Sum:		(782,036)
35				
36	0411861 - RECS COS	RECSAL0418	Cost of REC Sold-Apr18-Poultry	226,600
37	0411861 - RECS COS	RECSAL0518	Cost of REC Sold-May18-Poultry	3,000
38	0411861 - RECS COS	RECSAL0618	Cost of REC Sold-Jun18-Poultry	105,800
39	Total 0411861 - RECS COS	Sum:		335,400
40				
41	0456560 - SAW Deferred Revenue	NCEE032018	EE earned rev - EE NC	160,938
42	0456560 - SAW Deferred Revenue	NCEE032018	EE earned rev - SAW NC	(19)
43	0456560 - SAW Deferred Revenue	NCEE042018	EE earned rev - EE NC	3,894,796
44	0456560 - SAW Deferred Revenue	NCEE052018	EE earned rev - EE NC	352,112
45	0456560 - SAW Deferred Revenue	NCEE0618RV	EE earned rev - EE NC TRrevisd	(707,453)
46	0456560 - SAW Deferred Revenue	NCEE062018	EE earned rev - EE NC	4,001,575
47	0456560 - SAW Deferred Revenue	NCEE072018	EE earned rev - EE NC	2,499,138
48	0456560 - SAW Deferred Revenue	NCEE082018	EE earned rev - EE NC	5,405,787
49	0456560 - SAW Deferred Revenue	NCEE092018	EE earned rev - EE NC	8,928,792
50	0456560 - SAW Deferred Revenue	NCEE102018	EE earned rev - EE NC	4,421,950
51	0456560 - SAW Deferred Revenue	NCEE112018	EE earned rev - EE NC	(3,772,661)
52	0456560 - SAW Deferred Revenue	NCEE122018	EE earned rev - EE NC	4,623,735
53	0456560 - SAW Deferred Revenue	NCSAWEE01	EE earned rev - EE NC	3,455,538
54	0456560 - SAW Deferred Revenue	NCSAWEE01	EE earned rev - SAW NC	596,828
55	0456560 - SAW Deferred Revenue	NCSAWEE02	EE earned rev - EE NC	3,776,044
56	0456560 - SAW Deferred Revenue	NCSAWEE02	EE earned rev - SAW NC	88
57	0456560 - SAW Deferred Revenue	NCSCEE2018	NCEE DEC NRLTG EM&V RESERVE	2,512,288
58	0456560 - SAW Deferred Revenue	NCSCEE2018	NCEE Revenue True-up Rider 10	(129,382)
59	Total 0456560 - SAW Deferred Revenue	Sum:		40,020,094
60				
61	0509213 - RECS Consumption Expense	REPS_COMPL	RECs used for Compliance	17,165,794
62	Total 0509213 - RECS Consumption Expense	Sum:		17,165,794

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Line No.	Account & Descr	Journal ID JD	Journal Description	Amount
63	0408960 - Allocated Payroll Taxes	PYTX250006		687
64	0408960 - Allocated Payroll Taxes	PYTX250055		(11)
65	Total 0408960 - Allocated Payroll Taxes			677
66				
67	0920000 - A & G Salaries (Shared Solar)	INCN190001		466
68	0920000 - A & G Salaries (Shared Solar)	PAYRLL1678	100 Labor Distribution	251
69	0920000 - A & G Salaries (Shared Solar)	PAYRLL2117	100 Labor Distribution	803
70	0920000 - A & G Salaries (Shared Solar)	PAYRLL2188	100 Labor Distribution	927
71	0920000 - A & G Salaries (Shared Solar)	PAYRLL223	100 Labor Distribution	(381)
72	0920000 - A & G Salaries (Shared Solar)	PAYRLL2936	100 Labor Distribution	191
73	0920000 - A & G Salaries (Shared Solar)	PAYRLL4102	100 Labor Distribution	300
74	0920000 - A & G Salaries (Shared Solar)	PAYRLL4787	100 Labor Distribution	195
75	0920000 - A & G Salaries (Shared Solar)	PAYRLL4892	100 Labor Distribution	105
76	0920000 - A & G Salaries (Shared Solar)	PAYRLL7762	100 Labor Distribution	553
77	0920000 - A & G Salaries (Shared Solar)	PAYRLL8885	100 Labor Distribution	851
78	0920000 - A & G Salaries (Shared Solar)	UNPD190001		643
79	Total 0920000 - A & G Salaries (Shared Solar)			4,904
80				
81	0921100 - Employee Expenses (Shared Solar)	EXACCT0497	370606	5
82	0921100 - Employee Expenses (Shared Solar)	EXACCT4230	370606	8
83	0921100 - Employee Expenses (Shared Solar)	EXACCT6665	287189	2
84	Total 0921100 - Employee Expenses (Shared Solar)			14
85				
86	0926600 - Employee Benefits-Transferred (Shared Solar)	EPBN250006		2,083
87	0926600 - Employee Benefits-Transferred (Shared Solar)	EPBN250055		108
88	Total 0926600 - Employee Benefits-Transferred (Shared Solar)			2,191
89				
90	0930200 - Misc General Expenses (Shared Solar)	EXACCT3258	287189	434
91	0930200 - Misc General Expenses (Shared Solar)	INCN190001		432
92	0930200 - Misc General Expenses (Shared Solar)	PAYRLL7175	100 Labor Distribution	621
93	0930200 - Misc General Expenses (Shared Solar)	PAYRLL722	100 Labor Distribution	761
94	0930200 - Misc General Expenses (Shared Solar)	PAYRLL7311	100 Labor Distribution	634
95	0930200 - Misc General Expenses (Shared Solar)	PAYRLL9412	100 Labor Distribution	698
96	0930200 - Misc General Expenses (Shared Solar)	PAYRLL9948	100 Labor Distribution	697
97	0930200 - Misc General Expenses (Shared Solar)	UNPD190001		701
98	Total 0930200 - Misc General Expenses (Shared Solar)			4,978
99				
100	Total Shared Solar			12,764
101				
102	0550001 - Other Power Gen-Op Rents	MN_MK_AVSL	TrueUp Mocks Deferral O&M	3,075
103	0550001 - Other Power Gen-Op Rents	MN_MK_AVSL	TrueUp Monroe Deferral O&M	16,939
104	0550001 - Other Power Gen-Op Rents	MN_MK_DEFR	Mocksv- Deferral - O&M	(10,224)
105	0550001 - Other Power Gen-Op Rents	MN_MK_DEFR	Mocksville - Deferral - O&M	(5,240)
106	0550001 - Other Power Gen-Op Rents	MN_MK_DEFR	Monroe - Deferral - O&M	(62,548)
107	0550001 - Other Power Gen-Op Rents	SOLAR_AVSL	TrueUp Solar Deferral O&M	263,196
108	0550001 - Other Power Gen-Op Rents	SOLARDEFER	Solar - Deferral - O&M	(403,656)
109	0550001 - Other Power Gen-Op Rents		Total Solar Deferral	(198,458)
110				
111	0408960 - Allocated Payroll Taxes (Green Source Advantage)	PYTX250006		109
112	0408960 - Allocated Payroll Taxes (Green Source Advantage)	PYTX250055		(38)
113	0408960 - Allocated Payroll Taxes (Green Source Advantage)			71
114				
115	0920000 - A & G Salaries (Green Source Advantage)	INCN190001		291
116	0920000 - A & G Salaries (Green Source Advantage)	PAYRLL1678	100 Labor Distribution	237
117	0920000 - A & G Salaries (Green Source Advantage)	PAYRLL223	100 Labor Distribution	242
118	0920000 - A & G Salaries (Green Source Advantage)	PAYRLL2936	100 Labor Distribution	721
119	0920000 - A & G Salaries (Green Source Advantage)	PAYRLL4102	100 Labor Distribution	127
120	0920000 - A & G Salaries (Green Source Advantage)	PAYRLL4787	100 Labor Distribution	555
121	0920000 - A & G Salaries (Green Source Advantage)	PAYRLL4892	100 Labor Distribution	349
122	0920000 - A & G Salaries (Green Source Advantage)	UNPD190001		537
123	0920000 - A & G Salaries (Green Source Advantage)			3,059

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124					
125	0921100 - Employee Expenses (Green Source Advantage)	EXACCT4055	482179		74
126	0921100 - Employee Expenses (Green Source Advantage)	EXACCT6665	287189		2
127	Total 0921100 - Employee Expenses (Green Source Advantage)				75
128					
129	0926600 - Employee Benefits-Transferred (Green Source Advantage)	EPBN250006			330
130	0926600 - Employee Benefits-Transferred (Green Source Advantage)	EPBN250055			382
131	Total 0926600 - Employee Benefits-Transferred (Green Source Advantage)				712
132					
133	Total Green Source Advantage (GSA)				3,917
134					
135	Grand Total				60,648,299

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State EDIT rider From DEC 2017 rate case

		(a)=(i) Prior Mth	(b)	(c)	(d) = (a) + (b)	
Line No.		Beginning Balance	NC Amortization	NC Amortization	Return Against 407	NC Amortization
			Against 411100	Against 190		Total
1	Aug-18	\$ (210,653,909)	\$ 3,352,613	\$ 1,036,010	\$ 603,292	\$ 4,991,915
2	Sep-18	(206,822,232)	3,352,613	1,036,010	603,292	4,991,915
3	Oct-18	(202,968,939)	3,352,613	1,036,010	603,292	4,991,915
4	Nov-18	(199,093,908)	3,352,613	1,036,010	603,292	4,991,915
5	Dec-18	(195,197,016)	3,352,613	1,036,010	603,292	4,991,915
			<u>\$ 16,763,067</u>	<u>\$ 5,180,049</u>	<u>\$ 3,016,458</u>	<u>\$ 24,959,574</u>

[1]

[1] Regulatory asset 0254150 and the associated ADIT for that regulatory asset are excluded from rate base

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Adjust Existing DSM

Line No.	Description	12 ME December	Total NC Retail
1	INTERRUPTIBLE SERVICE CREDITS	\$ 3,750,872	
2	STANDBY GENERATOR PAYMENTS	332,085	
3	WHOLESALE A/C LOAD CONTROL CREDITS	341,504	
4	WHOLESALE INTERRUPTIBLE SERVICE CREDITS	1,181,392	
5	WHOLESALE ENERGY PENALTY	(43,652)	
6	WHOLESALE ENERGY CREDITS	2,067	
7	TOTAL Expense in 0557000 - Other Expenses - Oper	\$ 5,564,267 [3]	67.4345% [1] \$ 3,752,237
8			
9	<u>Amount included in base rates</u>	<u>kWh</u>	
10	2018 Per Book kWh	59,480,702,588 [2]	
11	Experienced EDPR rate (NC Retail L7 / L10)		0.000063
12	EDPR Existing Base Rate		0.000067 [4]
13	Difference		(0.000004)
14			
15	Remove Deferred Dsm Costs - NC (Account 0456640)	\$ (377,472) [5]	\$ 377,472
16			
17	Total Adjustment to revenue		\$ 377,472

[1] All Production Demand Allocation Factor.

[2] E1-42 Column E. Per Book kWh

[3] E7 Sub 1026 DEC Amended EDPR Rider 6/17/2019

[4] E7 Sub 1026 DEC Order Approving EDPR Rider 6/25/2019

[5] E-1 Item 2, Trial Balance

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Remove BPM Rider

Line No.	Description	12 ME December	Sharing %	NCR	Total NC Retail
1	<u>Electric operating revenue</u>				
2	0447lxx-Sales For Resale-Outside-BPM NC Sharing	\$6,195,544	90%	65.98% [1]	\$3,678,809
3	<u>0447lxx-I/C Joint Disp-Revenue-BPM NC Sharing</u>	<u>(255,421)</u>	90%	65.98%	<u>(151,665)</u>
4	Total Revenues Subject to Sharing	\$5,940,123			\$3,527,145
5					
6	<u>Fuel used in electric generation:</u>				
7	0501lxx-Fuel-NC Intersystem Fuel-BPM & WO Sharing-NCR	\$1,628,221	90%	65.98%	\$966,810
8					
9	<u>Other operation and maintenance expense:</u>				
10	0500lxx-O&M-Prod-Expense-BPM & WO Sharing-NCR	\$387,458	90%	65.98%	\$230,066
11	0566lxx-O&M-Trans-Expense-BPM & WO Sharing-NCR	116,019	90%	65.98%	68,890
12	<u>0566lxx-O&M-Trans-Tariff-BPM & WO Sharing-NCR</u>	<u>245,056</u>	90%	65.98%	<u>145,510</u>
13	Total O&M	\$748,533			\$444,466
14					
15	<u>General taxes</u>				
16	0408lxx-Employer FICA Tax-BPM & WO Sharing-NCR	\$15,352	90%	65.98%	\$9,116
17					
18	Total Sharing EBIT	\$3,548,017			\$2,106,753
19					
20	0449100 - Provisions For Rate Refunds	[2] (\$10,271,560)		100%	(\$10,271,560)

[1] 2017 All - MWHs at Generation - NC Retail

[2] E-1 Item 2, Trial Balance

NC-0608
Page 1 of 1

Jun 30 2022

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Duke Energy Carolinas, LLC
DSM/EE Cost Recovery Rider 11
Docket Number E-7 Sub 1192
Exhibit Summary of Rider EE Exhibits and Factors

Residential Billing Factors**Residential Billing Factor for Rider 11 True-up (EMF) Components**

Residential Billing Factor for Rider 11 True-up (EMF) Components			Adjusted	Original	Difference
Line					
1	Year 2015 EE/DSM True-Up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 1 Line 15	524,656	524,656	-
2	Year 2016 EE/DSM True-Up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 2 Line 15	967,614	967,614	-
3	Year 2017 EE/DSM True-Up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 43Line 15	3,327,874	3,318,165	9,710
4	Year 2018 EE/DSM True-Up (EMF) Revenue Requirement	Miller Exhibit 2 pg 4 Line 15	15,463,399	15,734,405	(271,006)
5	Total True-up (EMF) Revenue Requirement	Sum Lines 1-4	\$ 20,283,544	20,544,840	(261,296)
6	Projected NC Residential Sales (kWh) for rate period	Miller Exhibit 6 pg. 1, Line 1	21,487,301,475	21,487,301,475	-
7	EE/DSM Revenue Requirement EMF Residential Rider EE (cents per kWh)	Line 5 / Line 6 * 100	0.0944	0.0956	(0.0012)
				-	-

Residential Billing Factor for Rider 11 Prospective Components

8	Vintage 2017 Total EE/DSM Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 4, Line 1	1,751,061	1,755,253	(4,192)
9	Vintage 2018 Total EE/DSM Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 5, Line 1	9,715,212	9,737,443	(22,231)
10	Vintage 2019 Total EE/DSM Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 6, Line 11	5,232,466	5,236,156	(3,690)
11	Vintage 2020 Total EE/DSM Prospective Amounts Revenue Requirement		66,898,601	66,895,887	2,714
12	Total Prospective Revenue Requirement	Sum Lines 8-11	\$ 83,597,339	83,624,738	(27,399)
13	Projected NC Residential Sales (kWh) for rate period	Miller Exhibit 6 pg. 1, Line 1	21,487,301,475	21,487,301,475	-
14	EE/DSM Revenue Requirement Prospective Residential Rider EE (cents per kWh)	Line 12 / Line 13 * 100	0.3891	0.3892	(0)
<u>Total Revenue Requirements in Rider 11 from Residential Customers</u>			-	-	-
15	Total True-up (EMF) Revenue Requirement	Line 5	\$ 20,283,544	20,544,840	(261,296)
16	Total Prospective Revenue Requirement	Line 12	83,597,339	83,624,738	(27,399)
17	Total EE/DSM Revenue Requirement for Residential Rider EE	Line 15 + Line 16	\$ 103,880,883	104,169,578	(288,695)
18	Total EE/DSM Revenue Requirement for Residential Rider EE (cents per kWh)	Line 7 + Line 14	0.4835	0.4848	(0)

Non-Residential Billing Factors for Rider 11 True-up (EMF) Components

19	Vintage Year 2015 EE True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 1, Line 25	\$ 1,171,685	1,171,685	-
20	Projected Year 2015 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 4	18,371,972,219	18,371,972,219	-
21	EE Revenue Requirement Year 2015 EMF Non-Residential Rider EE (cents per kWh)	Line 25/Line 26 * 100	0.0064	0.0064	-
22	Vintage Year 2015 DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 1, Line 35	\$ 19,262	19,262	-
23	Projected Year 2015 DSM Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 5	18,413,235,012	18,413,235,012	-
24	DSM Revenue Requirement Year 2015 EMF Non-Residential Rider EE (cents per kWh)	Line 28/Line 29 * 100	0.0001	0.0001	-
25	Vintage Year 2016 EE True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 2, Line 25	\$ 9,273,079	9,273,079	-
26	Projected Year 2016 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 6	18,126,497,772	18,126,497,772	-
27	EE Revenue Requirement Year 2016 EMF Non-Residential Rider EE (cents per kWh)	Line 31/Line 32 * 100	0.0512	0.0512	-
28	Vintage Year 2016 DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 2, Line 35	\$ 14,674	14,674	-
29	Projected Year 2016 DSM Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 7	18,166,831,506	18,166,831,506	-
30	DSM Revenue Requirement Year 2016 EMF Non-Residential Rider EE (cents per kWh)	Line 34/Line 35 * 100	0.0001	0.0001	-
31	Vintage Year 2017 EE True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 3, Line 25	\$ 11,550,961	11,550,961	-
32	Projected Year 2017 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 8	17,918,240,840	17,918,240,840	-
33	EE Revenue Requirement Year 2017 EMF Non-Residential Rider EE (cents per kWh)	Line 37/Line 38 * 100	0.0645	0.0645	-
34	Vintage Year 2017 DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 3, Line 35	\$ 1,084	1,084	-
35	Projected Year 2017 DSM Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 9	18,135,782,680	18,135,782,680	-
36	DSM Revenue Requirement Year 2017 EMF Non-Residential Rider EE (cents per kWh)	Line 40/Line 41 * 100	-	-	-

				-	-
		Supplemental Miller Exhibit 1, page 2	Miller Exhibit 1, page 2	#VALUE!	
				-	-
				-	-
				-	-
37	Vintage Year 2018 EE True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 4, Line 25	\$ 4,814,662	4,807,118	7,544
38	Projected Year 2018 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 10	17,320,957,422	17,320,957,422	-
39	EE Revenue Requirement Year 2018 EMF Non-Residential Rider EE (cents per kWh)	Line 37/Line 38 * 100	0.0278	0.0278	-
				-	-
40	Vintage Year 2018 DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 4, Line 35	\$ 1,398,093	1,396,399	1,695
41	Projected Year 2018 DSM Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 11	18,056,545,344	18,056,545,344	-
42	DSM Revenue Requirement Year 2018 EMF Non-Residential Rider EE (cents per kWh)	Line 40/Line 41 * 100	0.0077	0.0077	-
				-	-

Non-Residential Billing Factors for Rider 11 Prospective Components

43	Vintage Year 2017 EE Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 3, Line 25	\$ 5,593,790	5,594,352	(563)
44	Projected Program Year 2017 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 8	17,918,240,840	17,918,240,840	-
45	EE Revenue Requirement Vintage 2017 Prospective Component for Non-Residential Rider EE (cents per kWh)	Line 43/Line 44 * 100	0.0312	0.0312	-
				-	-
46	Vintage Year 2018 EE Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 4, Line 25	\$ 9,507,185	9,508,142	(956)
47	Projected Vintage 2018 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 10	17,320,957,422	17,320,957,422	-
48	EE Revenue Requirement Vintage 2018 Prospective Component for Non-Residential Rider EE (cents per kWh)	Line 46/Line 47 * 100	0.0549	0.0549	-
				-	-
49	Vintage Year 2019 EE Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 5, Line 4	\$ 8,746,000	8,746,880	(880)
50	Projected Vintage 2019 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 12	17,184,515,812	17,184,515,812	-
51	EE Revenue Requirement Vintage 2019 Prospective Component for Non-Residential Rider EE (cents per kWh)	Line 49/Line 50 * 100	0.0509	0.0509	-
				-	-
52	Vintage Year 2020 EE Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 6, Line 18	\$ 52,968,365	52,968,887	(521)
53	Projected Vintage 2020 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 14	17,184,515,812	17,184,515,812	-
54	EE Revenue Requirement Vintage 2020 Prospective Component for Non-Residential Rider EE (cents per kWh)	Line 52/Line 53 * 100	0.3082	0.3082	-
				-	-
55	Vintage Year 2020 DSM Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 6, Line 25	\$ 19,931,130	19,931,130	-
56	Projected Vintage 2020 DSM Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 Line 15	18,099,339,344	18,099,339,344	-
57	DSM Revenue Requirement Vintage 2020 Prospective Component for Non-Residential Rider EE (cents per kWh)	Line 55/Line 56 * 100	0.1101	0.1101	-
	Total EMF Rate		0.1578	0.1578	-
	Total Prospective Rate		0.5553	0.5553	-
				-	-
				-	-
				-	-

Total Revenue Requirements in Rider 11 from Non-Residential Customers

58	Vintage Year 2015 EE True-up (EMF) Revenue Requirement	Line 19	1,171,685	1,171,685	-
59	Vintage Year 2015 DSM True-up (EMF) Revenue Requirement	Line 22	19,262	19,262	-
60	Vintage Year 2016 EE True-up (EMF) Revenue Requirement	Line 25	9,273,079	9,273,079	-
61	Vintage Year 2016 DSM True-up (EMF) Revenue Requirement	Line 28	14,674	14,674	-
62	Vintage Year 2017 EE True-up (EMF) Revenue Requirement	Line 31	11,550,961	11,550,961	-
63	Vintage Year 2017 DSM True-up (EMF) Revenue Requirement	Line 34	1,084	1,084	-
64	Vintage Year 2018 EE True-up (EMF) Revenue Requirement	Line 37	4,814,662	4,807,118	7,544
65	Vintage Year 2018 DSM True-up (EMF) Revenue Requirement	Line 40	1,398,093	1,396,399	1,695
64	Vintage Year 2017 EE Prospective Amounts Revenue Requirement	Line 43	5,593,790	5,594,352	(563)
65	Vintage Year 2018 EE Prospective Amounts Revenue Requirement	Line 46	9,507,185	9,508,142	(956)
66	Vintage Year 2019 EE Prospective Amounts Revenue Requirement	Line 49	8,746,000	8,746,880	(880)
67	Vintage Year 2020 EE Prospective Amounts Revenue Requirement	Line 52	52,968,365	52,968,887	(521)
68	Vintage Year 2020 DSM Prospective Amounts Revenue Requirement	Line 55	19,931,130	19,931,130	-
	Total Non-Residential Revenue Requirement in Rider 11	Sum (Lines 58-68)	\$ 124,989,970	124,983,652	6,318
				-	-

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
True Up of Year 1, 2, 3 and 4 of Vintage Year 2015**RESIDENTIAL**
Energy Efficiency Programs

Line	Reference	E-7 Sub 1050	E-7 Sub 1073	E-7 Sub 1105	E-7 Sub 1105	E-7 Sub 1130	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1192	
		Rider 6 Original Estimate	Rider 7 Year 2 Lost Revenues	Rider 8 True up of Year 1	Rider 8 Year 3 Lost Revenues	Rider 9 True up of Lost Revenues & EM&V	Rider 9 Year 4 LR Estimate	Rider 10 True up	Rider 11 True up	Year 2015
1 Residential EE Program Cost	Evans Exhibit 1 pg. 1, Line 10 * NC Alloc. Factor	\$ 30,685,449		\$ (2,726,335)		\$ -		\$ -		\$ 27,959,114
2 Residential EE Earned Utility Incentive	Evans Exhibit 1 pg. 1, Line 10 * NC Alloc. Factor	2,374,641		2,431,922		125,671		-		4,932,234
3 Return on undercollection of Residential EE Program Costs	Miller Exhibit 3 pg 1			49,064		77,792		35,939	(5,811)	156,984
4 Total EE Program Cost and Incentive Components	Line 1 + Line 2 + line 3									
5 Residential DSM Program Cost	Evans Exhibit 1 pg. 1, Line 11 * NC Alloc. Factor	33,060,090		(245,348)		203,463		35,939	(5,811)	33,048,332
6 Residential DSM Earned Utility Incentive	Evans Exhibit 1 pg. 1, Line 11 * NC Alloc. Factor	12,532,432		(2,137,589)		(1,252)		(0)		10,393,591
7 Return on undercollection of Residential DSM Program Costs	Miller Exhibit 3 pg 2	3,275,217		(676,007)		(12,280)		(532)		2,586,398
8 Total DSM Program Cost and Incentive Components	Line 5 + Line 6 + Line 7			(10,786)		23,451		11,838	304	24,807
9 Total EE/DSM Program Cost and Incentive Components	Line 4 + Line 8	15,807,649		(2,824,381)		9,919		11,306	304	13,004,796
10 Revenue-related taxes and regulatory fees factor **	Miller Exhibit 2, pg. 7	48,867,739		(3,069,730)		213,382		47,245	(5,507)	46,053,129
11 Total EE/DSM Program Cost and Incentive Revenue Requirement	Line 9 * Line 10	1,001,417		1,001,402		1,001,402		1,001,402	1,001,402	
12 Residential Net Lost Revenues	Evans Exhibit 2 pg. 1	48,936,985		(3,074,034)		213,681		47,310	(5,515)	46,118,427
13 Total Residential EE/DSM Revenue Requirement	Line 11 + Line 12	9,169,840	4,071,955	5,563,184	8,090,365	4,191,232	3,431,636	(1,336,510)	959,114	34,140,816
14 Total Collected for Vintage Year 2015 (through estimated Rider 10)	Miller Exhibit 4 Line 2	58,106,825	4,071,955	2,489,151	8,090,365	4,404,913	3,431,636	(1,289,200)	953,599	80,259,243
15 Total Residential EE/DSM Revenue Requirement	Line 13 - Line 14									79,734,588
										\$ 524,656

See Miller Exhibit A for rate

NON-RESIDENTIAL
Energy Efficiency Programs

Line	Reference	E-7 Sub 1050	E-7 Sub 1073	E-7 Sub 1105	E-7 Sub 1105	E-7 Sub 1130	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1192	
		Rider 6 Original Estimate	Rider 7 Year 2 Lost Revenues	Rider 8 True up of Year 1	Rider 8 Year 3 Lost Revenues	Rider 9 True up of Lost Revenues & EM&V	Year 2015 Year 4 LR Estimate	Rider 10 True Up	Rider 11 True up	Year 2015
16 Non- Residential EE Program Cost	Evans Exhibit 1 pg. 1, Line 24 * NC Alloc. Factor	17,348,807		11,904,051		0		-		29,252,858
17 Non-Residential EE Earned Utility Incentive	Evans Exhibit 1 pg. 1, Line 24 * NC Alloc. Factor	6,214,226		3,351,028		846,899		(594,998)		9,817,155
18 Return on undercollection of Non-residential EE Program Costs	Miller Exhibit 3 page 3			457,891		838,299		448,315	67,376	1,811,881
19 Total EE Program Cost and Incentive Components	Line 16 + Line 17 + Line 18	23,563,033		15,712,970		1,685,198		(146,683)	67,376	40,881,894
20 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	1,001,417		1,001,402		1,001,402		1,001,402	1,001,402	
21 Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 19 * Line 20	23,596,422		15,735,000		1,687,561		(146,889)	67,470	40,939,564
22 Non-Residential Net Lost Revenues	Evans Exhibit 2 pg. 1	2,523,480	8,194,003	2,547,914	9,483,428	2,426,543	4,183,188	(3,671,147)	1,078,554	26,765,963
23 Total Non-Residential EE Revenue Requirement	Line 21 + Line 22	26,119,902	8,194,003	18,282,914	9,483,428	4,114,104	4,183,188	(3,818,036)	1,146,025	67,705,528
24 Total Collected for Year 2015 (through estimated Rider 10)	Miller Exhibit 4 Line 7									66,533,843
25 Non-Residential EE Revenue Requirement	Line 23 - Line 24									1,171,685
26 Projected NC Residential Sales (kWh)	Miller Exhibit 6, Line 4									18,413,972,219
27 NC Non-Residential EE billing factor (Cents/kWh)	Line 25/Line 26*100									0.0064

DSM Programs

Line	Reference	E-7 Sub 1050	E-7 Sub 1005	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1192	
		Rider 6 Original Estimate	Rider 8 Original True Up	Rider 9 True Up	Rider 10 True Up	Rider 11 True up	Year 2015
28 Non-Residential DSM Program Cost	Evans Exhibit 1, pg. 1 Line 25 * NC Alloc. Factor	16,493,488	(2,925,873)	(1,635)			13,565,981
29 Non-Residential DSM Earned Utility Incentive	Evans Exhibit 1, pg. 1 Line 25 * NC Alloc. Factor	4,310,397	(917,841)	(16,029)	(693)		3,375,833
30 Return on overcollection of Non-residential DSM Program Costs	Miller Exhibit 3 page 4		(107,297)	(203,069)	(128,531)	(12,427)	(451,324)
31 Total Non-Residential DSM Program Cost and Incentive Components	Line 28 + Line 29 + Line 30	20,803,885	(3,951,011)	(220,733)	(129,224)	(12,427)	16,490,490
32 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	1,001,417	1,001,402	1,001,402	1,001,402	1,001,402	
33 Total Non-Residential DSM Revenue Requirement	Line 31 * Line 32	20,833,364	(3,956,550)	(221,042)	(129,405)	(12,445)	16,513,922
34 Total Revenue Collected for Year 2015 (through estimated Rider 10)	Miller Exhibit 4 Line 12						16,494,660
35 Non-Residential DSM Revenue Requirement True-up Amount	Line 33 - Line 34						19,262
36 Projected NC Non-Residential Sales (kWh)	Miller Exhibit 6 Line 5						18,413,235,012
37 NC Non-Residential DSM billing factor	Line 35/Line 36*100						0.0001

** Actual regulatory fee rate in effect in year of collection. May differ from original filed estimates.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
True Up of Year 1, 2 and 3 for Vintage Year 2016**RESIDENTIAL**
Energy Efficiency Programs

Line	Reference	E-7 Sub 1073	E-7 Sub 1105	E-7 Sub 1130	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1192	Year 2016
		Rider 7 Original Estimate	Rider 8 Year 2 Lost Revenues	Rider 9 True up (Year 1)	Year 2016 Yr 3 LR Estimate	Rider 10 True up (Year 2)	Rider 11 True Up (Year 3)	
1	Residential EE Program Cost	\$ 31,056,079		\$ 8,965,024		\$ (2)		\$ 40,021,101
2	Residential EE Earned Utility Incentive	2,392,652		4,361,799		(52,098)		6,702,353
3	Return on undercollection of Residential EE Program Costs			272,476		710,786	430,926	1,414,188
4	Total EE Program Cost and Incentive Components	33,448,731		13,599,299		658,686	430,926	48,137,642
5	Residential DSM Program Cost	10,613,016		(1,012,441)		0		9,600,575
6	Residential DSM Earned Utility Incentive	2,887,418		(129,612)		(27,890)		2,729,916
7	Return on overcollection of Residential DSM Program Costs			(26,322)		(46,199)	(39,872)	(112,393)
8	Total DSM Program Cost and Incentive Components	13,500,434		(1,168,375)		(74,089)	(39,872)	12,218,099
9	Total EE/DSM Program Cost and Incentive Components	46,949,165		12,430,924		584,597	391,055	60,355,741
10	Revenue-related taxes and regulatory fees factor **	1.001442		1.001402		1.001402	1.001402	
11	Total EE/DSM Program Cost and Incentive Revenue Requirement	47,016,866		12,448,352		585,417	391,603	60,442,238
12	Residential Net Lost Revenues	11,873,767	5,723,916	4,795,359	7,765,323	(3,299,616)	1,969,313	28,828,063
13	Total Residential EE/DSM Revenue Requirement	58,890,633	5,723,916	17,243,711	7,765,323	(2,714,199)	2,360,916	89,270,300
14	Total Collected for Vintage Year 2016 (through estimated Rider 10)							88,302,686
15	Total Residential EE/DSM Revenue Requirement							\$ 967,614

See Miller Exhibit A for rate

NON-RESIDENTIAL
Energy Efficiency Programs

Line	Reference	E-7 Sub 1073	E-7 Sub 1105	E-7 Sub 1130	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1192	Year 2016
		Rider 7 Original Estimate	Rider 8 Year 2 Lost Revenues	Year 1 True up	Year 2016 Yr 3 LR Estimate	Rider 10 True up (Year 2)	Rider 11 True Up (Year 3)	
16	Non- Residential EE Program Cost	36,494,611		13,515,376		1		50,009,988
17	Non-Residential EE Earned Utility Incentive	10,105,721		4,261,607		(353,368)		14,013,960
18	Return on undercollection of Non-residential EE Program Costs			378,293		1,051,375	731,576	2,161,244
19	Total EE Program Cost and Incentive Components	46,600,332		18,155,276		698,008	731,576	66,185,192
20	Revenue-related taxes and regulatory fees factor	1.001442		1.001402		1.001402	1.001402	
21	Total Non-Residential EE Program Cost and Incentive Revenue Requirements	46,667,530		18,180,730		698,987	732,602	66,279,848
22	Non-Residential Net Lost Revenues	4,745,315	8,309,444	2,524,047	13,375,187	(4,085,026)	6,383,046	31,252,013
23	Total Non-Residential EE Revenue Requirement	51,412,845	8,309,444	20,704,776	13,375,187	(3,386,039)	7,115,648	97,531,860
24	Total Collected for Vintage Year 2016 (through estimated Rider 10)							88,258,782
25	Non-Residential EE Revenue Requirement							9,273,079
26	Projected NC Residential Sales (kWh)							18,126,497,772
27	NC Non-Residential EE billing factor (Cents/kWh)							0.0512

DSM Programs

Line	Reference	E-7 Sub 1073	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1192	Year 2016
		Rider 7 Original Estimate	Rider 9 True up	Rider 10 True Up	Rider 11 True Up (Year 3)	
28	Non-Residential DSM Program Cost	12,855,910	(1,261,413)	0		11,594,497
29	Non-Residential DSM Earned Utility Incentive	3,497,628	(167,059)	(33,683)		3,296,886
30	Return on undercollection of Non-residential DSM Program Costs		1,759	3,420	(6,087)	(908)
31	Total Non-Residential DSM Program Cost and Incentive Components	16,353,538	(1,426,713)	(30,262)	(6,087)	14,890,476
32	Revenue-related taxes and regulatory fees factor	1.001442	1.001402	1.001402	1.001402	
33	Total Non-Residential DSM Revenue Requirement	16,377,120	(1,428,713)	(30,305)	(6,095)	14,912,007
34	Total Collected for Vintage Year 2016 (through estimated Rider 10)					14,897,332
35	Non-Residential EE Revenue Requirement True-up Amount					14,674
36	Projected NC Non-Residential Sales (kWh)					18,166,831,506
37	NC Non-Residential DSM billing factor					0.0001

* Year 4 Projected Lost Revenue is not being requested in this filing because lost revenue through the test period of Docket E7 Sub XXXX was requested as part of base rates.
** Actual regulatory fee rate in effect in year of collection. May differ from original filed estimates.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Year 4 Lost Revenue and True Up of Year 1 and 2 for Vintage Year 2017

RESIDENTIAL Energy Efficiency Programs

Line	Reference	Year 2017 Yr 4 LR Estimate
1 Residential EE Program Cost	Evans Exhibit 1 pg. 3, Line 10 * NC Alloc. Factor	
2 Residential EE Earned Utility Incentive	Evans Exhibit 1 pg. 3, Line 10 * NC Alloc. Factor	
3 Return on undercollection of Residential EE Program Costs	Miller Exhibit 3 pg 9	
4 Total EE Program Cost and Incentive Components	Line 1 + Line 2 + line 3	
5 Residential DSM Program Cost	Evans Exhibit 1 pg. 3, Line 11 * NC Alloc. Factor	
6 Residential DSM Earned Utility Incentive	Evans Exhibit 1 pg. 3, Line 11 * NC Alloc. Factor	
7 Return on undercollection of Residential DSM Program Costs	Miller Exhibit 3 pg 10	
8 Total DSM Program Cost and Incentive Components	Line 5 + Line 6 + Line 7	
9 Total EE/DSM Program Cost and Incentive Components	Line 4 + Line 8	
10 Revenue-related taxes and regulatory fees factor **	Miller Exhibit 2, pg. 7	
11 Total EE/DSM Program Cost and Incentive Revenue Requirement	Line 9 * Line 10	
12 Residential Net Lost Revenues	Evans Exhibit 2 pg. 2	\$ 1,751,061
13 Total Residential EE/DSM Revenue Requirement	Line 11 + Line 12	1,751,061
14 Total Collected for Vintage Year 2017 (through estimated Rider 10)	Miller Exhibit 4 Line 3	
15 Total Residential EE/DSM Revenue Requirement	Line 11 + Line 12	\$ 1,751,061

E-7 Sub 1105	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1164	E-7 Sub 1192	
Rider 8 Year 1 Estimate	Year 2017 Yr 2 LR Estimate	Rider 10 True up	Year 2017 Year 3 Estimate	Rider 11 True Up	Year 2017
\$ 33,488,974		\$ 13,998,885		\$ -	\$ 47,487,859
4,149,244		4,340,033		(250,931)	8,238,346
		522,611		1,226,138	1,748,749
37,638,218		18,861,529		975,207	57,474,954
10,258,751		(176,455)		-	10,082,296
2,837,134		89,061		-	2,926,195
		15,015		12,882	27,897
13,095,885		(72,379)		12,882	13,036,388
50,734,103		18,789,150		988,088	70,511,342
1,001,482		1,001,402		1,001,402	
50,809,291		18,815,493		989,474	70,614,257
12,699,119	4,202,002	6,456,129	8,904,587	2,572,270	34,834,107
63,508,411	4,202,002	25,271,622	8,904,587	3,561,743	105,448,364
					102,120,490
					\$ 3,327,874

See Miller Exhibit A for rate

NON-RESIDENTIAL Energy Efficiency Programs

Line	Reference	Year 2017 Yr 3 LR Estimate
16 Non- Residential EE Program Cost	Evans Exhibit 1 pg. 3, Line 25 * NC Alloc. Factor	
17 Non-Residential EE Earned Utility Incentive	Evans Exhibit 1 pg. 3, Line 25 * NC Alloc. Factor	
18 Return on undercollection of Non-residential EE Program Costs	Miller Exhibit 3 page 7	
19 Total EE Program Cost and Incentive Components	Line 16 + Line 17 + Line 18	
20 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	
21 Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 19 * Line 20	
22 Non-Residential Net Lost Revenues	Evans Exhibit 2 pg. 2	5,593,790
23 Total Non-Residential EE Revenue Requirement	Line 21 + Line 22	5,593,790
24 Total Collected for Vintage Year 2017 (through estimated Rider 10)	Miller Exhibit 4 Line 9	
25 Non-Residential EE Revenue Requirement	Line 23 - Line 24	5,593,790
26 Projected NC Residential Sales (kWh)	Miller Exhibit 6, pg. 1, Line 8	17,918,240,840
27 NC Non-Residential EE billing factor (Cents/kWh)	Line 25/Line 26*100	0.0312

E-7 Sub 1105	E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1164	E-7 Sub 1192	
Rider 8 Year 1 Estimate	Year 2017 Yr 2 LR Estimate	Rider 10 True up	Year 2017 Year 3 Estimate	Rider 11 True Up	Year 2017
38,791,601		32,155,814		-	70,947,415
9,347,504		9,073,243		3,304,511	21,725,258
		1,588,185		2,709,383	4,297,568
48,139,105		42,817,242		6,013,893	96,970,240
1,001,482		1,001,402		1,001,402	
48,210,447		42,877,271		6,022,325	97,110,043
6,039,892	9,466,867	2,627,210	14,570,381	7,280,971	39,985,321
54,250,339	9,466,867	45,504,481	14,570,381	13,303,295	137,095,364
					125,544,403
					11,550,961
					17,918,240,840
					0.0645

DSM Programs

Line	Reference	
28 Non-Residential DSM Program Cost	Evans Exhibit 1, pg. 3 Line 26 * NC Alloc. Factor	
29 Non-Residential DSM Earned Utility Incentive	Evans Exhibit 1, pg. 3 Line 26 * NC Alloc. Factor	
30 Return on undercollection of Non-residential DSM Program Costs	Miller Exhibit 3 page 12	
31 Total Non-Residential DSM Program Cost and Incentive Components	Line 28 + Line 29 + Line 30	
32 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	
33 Total Non-Residential DSM Revenue Requirement	Line 31 * Line 32	
34 Total Collected for Vintage Year 2017 (through estimated Rider 10)	Miller Exhibit 4 Line 14	
35 Non-Residential EE Revenue Requirement True-up Amount	Line 33- Line 34	
36 Projected NC Non-Residential Sales (kWh)	Miller Exhibit 6 pg. 1, Line 9	
37 NC Non-Residential DSM billing factor	Line 35/Line 36*100	

E-7 Sub 1105		E-7 Sub 1164		E-7 Sub 1192	
Rider 8 Year 1 Estimate		Rider 10 True Up		Rider 11 True Up	Year 2017
13,389,985		(1,438,646)			11,951,339
3,703,101		(234,452)			3,468,649
		4,761		4,266	9,027
17,093,086		(1,668,337)		4,266	15,429,016
1,001,482		1,001,402		1,001,402	
17,118,418		(1,670,676)		4,272	15,447,742
					15,446,658
					1,084
					18,135,782,880
					-

** Actual regulatory fee rate in effect in year of collection. May differ from original filed estimates.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Year 3 Lost Revenue and True Up of Year 1 for Vintage Year 2018

RESIDENTIAL
Energy Efficiency Programs

Line	Reference	Year 2018 Yr 3 LR Estimate
1 Residential EE Program Cost	Evans Exhibit 1 pg. 3, Line 10 * NC Alloc. Factor	
2 Residential EE Earned Utility Incentive	Evans Exhibit 1 pg. 3, Line 10 * NC Alloc. Factor	
3 Return on undercollection of Residential EE Program Costs	Miller Exhibit 3 pg. 13	
4 Total EE Program Cost and Incentive Components	Line 1 + Line 2 + line 3	
5 Residential DSM Program Cost	Evans Exhibit 1 pg. 3, Line 11 * NC Alloc. Factor	
6 Residential DSM Earned Utility Incentive	Evans Exhibit 1 pg. 3, Line 11 * NC Alloc. Factor	
7 Return on undercollection of Residential DSM Program Costs	Miller Exhibit 3 pg. 14	
8 Total DSM Program Cost and Incentive Components	Line 5 + Line 6 + Line 7	
9 Total EE/DSM Program Cost and Incentive Components	Line 4 + Line 8	
10 Revenue-related taxes and regulatory fees factor **	Miller Exhibit 2, pg. 7	
11 Total EE/DSM Program Cost and Incentive Revenue Requirement	Line 9 * Line 10	
12 Residential Net Lost Revenues	Evans Exhibit 2 pg. 3	\$ 9,715,212
13 Total Residential EE/DSM Revenue Requirement	Line 11 + Line 12	9,715,212
14 Total Collected for Vintage Year 2018 (through estimated Rider 10)	Miller Exhibit 4 Line 4	
15 Total Residential EE/DSM Revenue Requirement	Line 11 + Line 12	\$ 9,715,212

E-7 Sub 1130	E-7 Sub 1164	E-7 Sub 1192	
Rider 9 Year 1 Estimate	Year 2018 Yr 2 LR Estimate	Rider 11 True up	Year 2018
\$ 41,623,609		\$ 14,606,717	\$ 56,230,326
5,511,264		4,154,068	9,665,332
		244,540	244,540
47,134,873		19,005,324	66,140,197
9,903,130		(124,235)	9,778,895
2,569,925		17,215	2,587,140
		(28,626)	(28,626)
12,473,055		(135,646)	12,337,409
59,607,928		18,869,679	78,477,607
1,001,402		1,001,402	
59,691,498		18,896,134	78,587,632
19,612,717	6,294,025	894,901	26,801,643
79,304,216	6,294,025	19,791,035	105,389,275
			89,925,876
			\$ 15,463,399

See Miller Exhibit A for rate

NON-RESIDENTIAL
Energy Efficiency Programs

Line	Reference	Year 2018 Yr 3 LR Estimate
16 Non- Residential EE Program Cost	Evans Exhibit 1 pg. 3, Line 25 * NC Alloc. Factor	
17 Non-Residential EE Earned Utility Incentive	Evans Exhibit 1 pg. 3, Line 25 * NC Alloc. Factor	
18 Return on undercollection of Non-residential EE Program Costs	Miller Exhibit 3 page 15	
19 Total EE Program Cost and Incentive Components	Line 16 + Line 17 + Line 18	
20 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	
21 Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 19 * Line 20	
22 Non-Residential Net Lost Revenues	Evans Exhibit 2 pg. 3	9,507,185
23 Total Non-Residential EE Revenue Requirement	Line 21 + Line 22	9,507,185
24 Total Collected for Vintage Year 2018 (through estimated Rider 10)	Miller Exhibit 4 Line 10	
25 Non-Residential EE Revenue Requirement	Line 23 - Line 24	9,507,185
26 Projected NC Residential Sales (kWh)	Miller Exhibit 6, Line 10	17,320,957,422
27 NC Non-Residential EE billing factor (Cents/kWh)	Line 25/Line 26*100	0.0549

E-7 Sub 1105	E-7 Sub 1130	E-7 Sub 1192	
Rider 9 Year 1 Estimate	Year 2018 Yr 2 LR Estimate	Rider 11 True up	Year 2018
40,592,949		(3,317,005)	37,275,944
11,623,199		2,818,045	14,441,244
		461,049	461,049
52,216,148		(37,911)	52,178,237
1,001,402		1,001,402	
52,289,355		(37,965)	52,251,390
5,167,253	8,746,000	2,933,863	16,847,117
57,456,608	8,746,000	2,895,899	69,098,507
			64,283,845
			4,814,662
			17,320,957,422
			0.0278

DSM Programs

Line	Reference	
28 Non-Residential DSM Program Cost	Evans Exhibit 1, pg. 3 Line 26 * NC Alloc. Factor	
29 Non-Residential DSM Earned Utility Incentive	Evans Exhibit 1, pg. 3 Line 26 * NC Alloc. Factor	
30 Return on undercollection of Non-residential DSM Program Costs	Miller Exhibit 3 page 16	
31 Total Non-Residential DSM Program Cost and Incentive Components	Line 28 + Line 29 + Line 30	
32 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	
33 Total Non-Residential DSM Revenue Requirement	Line 31 * Line 32	
34 Total Collected for Vintage Year 2018 (through estimated Rider 10)	Miller Exhibit 4 Line 15	
35 Non-Residential EE Revenue Requirement True-up Amount	Line 33- Line 34	
36 Projected NC Non-Residential Sales (kWh)	Miller Exhibit 6 Line 11	
37 NC Non-Residential DSM billing factor	Line 35/Line 36*100	

E-7 Sub 1105		E-7 Sub 1192	
Rider 9 Year 1 Estimate		Rider 11 True Up	Year 2018
11,959,889		651,281	12,611,170
3,103,667		232,789	3,336,456
-		37,743	37,743
15,063,556		921,812	15,985,368
1,001,402		1,001,402	
15,084,675		923,105	16,007,780
			14,609,687
			1,398,093
			18,056,545,344
			0.0077

** Actual regulatory fee rate in effect in year of collection. May differ from original filed estimates.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Year 2 Lost Revenues for Vintage Year 2019

RESIDENTIAL

Line

- 1 Residential Net Lost Revenues
- 2 Projected NC Residential Sales (kWh)
- 3 **NC Residential EE Billing Factor (Cents/kWh)**

Reference
Evans Exhibit 2 pg. 3 Line 148
Miller Exhibit 6
Line 1/Line 2*100

2019
5,232,466
\$ 21,487,301,475
0.0244

NON-RESIDENTIAL

Energy Efficiency Programs

- 4 Non-Residential Net Lost Revenues
- 5 Projected NC Non-Residential Sales (kWh)
- 6 **NC Non-Residential EE billing factor (Cents/kWh)**

Reference
Evans Exhibit 2 pg. 3 Line 165
Miller Exhibit 6
Line 4/Line 5*100

2019
8,746,000
17,184,515,812
0.0509

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Program Costs, Earned Incentive and Lost Revenues for Vintage Year 2020

RESIDENTIAL

Line	Reference	2020
1 Residential EE Program Cost	Evans Exhibit 1, pg. 5 * NC Alloc. Factor	\$ 33,551,578
2 Residential EE Earned Utility Incentive	Evans Exhibit 1, pg. 5 * NC Alloc. Factor	3,173,534
3 Total EE Program Cost and Incentive Components	Line 1 + Line 2, Evans Exhibit 1, Line 10	36,725,112
4 Residential DSM Program Cost	Evans Exhibit 1, pg. 5 * NC Alloc. Factor	12,243,392
5 Residential DSM Earned Utility Incentive	Evans Exhibit 1, pg. 5 * NC Alloc. Factor	3,189,876
6 Total DSM Program Cost and Incentive Components	Line 4 + Line 5, Evans Exhibit 1, Line 12	15,433,268
7 Total EE/DSM Program Cost and Incentive Components	Line 3 + Line 6	52,158,380
8 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	1.001402
9 Total EE/DSM Program Cost and Incentive Revenue Requirement	Line 7 * Line 8	52,231,506
10 Residential Net Lost Revenues	Evans Exhibit 2 pg. 3 Line 177	14,667,095
11 Total Residential EE Revenue Requirement	Line 9 + Line 10	\$ 66,898,601

See Miller Exhibit 1
for rate

NON-RESIDENTIAL

Energy Efficiency Programs

	Reference	2020
12 Non- Residential EE Program Cost	Evans Exhibit 1, pg. 5 * NC Alloc. Factor	\$ 37,708,077
13 Non-Residential EE Earned Utility Incentive	Evans Exhibit 1, pg. 5 * NC Alloc. Factor	10,010,194
14 Total EE Program Cost and Incentive Components	Line 12 + Line 13, Evans Exhibit 1, Line 27	47,718,271
15 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 7	1.001402
16 Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 14 * Line 15	47,785,172
17 Non-Residential Net Lost Revenues	Evans Exhibit 2 pg. 3 Line 194	5,183,193
18 Total Non-Residential EE Revenue Requirement	Line 16 + Line 17	\$ 52,968,365
19 Projected NC Residential Sales (kWh)	Miller Exhibit 6, pg. 1, Line 14	17,184,515,812
20 NC Non-Residential EE billing factor (Cents/kWh)	Line 18/Line 19*100	0.3082

DSM Programs

	2020
21 Non-Residential DSM Program Cost	\$ 15,789,462
22 Non-Residential DSM Earned Utility Incentive	4,113,764
23 Total Non-Residential DSM Program Cost and Incentive Components	19,903,226
24 Revenue-related taxes and regulatory fees factor	1.001402
25 Total Non-Residential DSM Revenue Requirement	19,931,130
26 Projected NC Non-Residential Sales (kWh)	18,099,339,344
27 NC Non-Residential DSM billing factor	0.1101

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Gross Receipts Tax Years 2015 through estimated 2020

	<u>Year</u>		<u>Actual GRT Rate In Effect</u>
	2015	Jan - June	1.001352
		July - Dec	1.001482
Rider 6	2015	Weighted Average	1.001417
Rider 7	2016	Jan - June	1.001482
		July - Dec	1.001402
		Weighted Average	1.001442
Rider 8	2017		1.001402
Rider 9	2018		1.001402
Rider 10	2019		1.001402
Rider 11	2020		1.001402

Note: the current rate is used as the estimate for 2019 and 2020. This will be subject to true-up based on actual rates in effect.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential EE Programs Vintage 2015

NC Residential EE	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018				7.29%			0.766497	
						6.83%			(1-233503)	
Beginning Balance - source I	(200,678)			(47,390)						
2018 January	(186,248)	0.236149	3,408	(43,982)	(142,265)	0.006075	(432)	(432)	0.766497	(564)
2018 February	(157,663)	0.236149	6,750	(37,232)	(120,431)	0.006075	(798)	(1,230)	0.766497	(1,605)
2018 March	(136,697)	0.236149	4,951	(32,281)	(104,416)	0.006075	(683)	(1,913)	0.766497	(2,496)
2018 April	(115,580)	0.236149	4,987	(27,294)	(88,286)	0.006075	(585)	(2,498)	0.766497	(3,259)
2018 May	(97,147)	0.236149	4,353	(22,941)	(74,206)	0.006075	(494)	(2,992)	0.766497	(3,903)
2018 June	(70,765)	0.236149	6,230	(16,711)	(54,054)	0.006075	(390)	(3,382)	0.766497	(4,412)
2018 July	(40,447)	0.236149	7,160	(9,551)	(30,895)	0.006075	(258)	(3,640)	0.766497	(4,748)
2018 August	(12,568)	0.236149	6,584	(2,968)	(9,600)	0.005692	(115)	(3,755)	0.766497	(4,899)
2018 September	17,373	0.236149	7,070	4,103	13,270	0.005692	10	(3,744)	0.766497	(4,885)
2018 October	38,455	0.236149	4,979	9,081	29,374	0.005692	121	(3,623)	0.766497	(4,727)
2018 November	57,923	0.236149	4,597	13,679	44,245	0.005692	210	(3,414)	0.766497	(4,453)
2018 December	(536,672)	0.236149	(140,413)	(126,735)	(409,938)	0.005692	(1,041)	(4,454)	0.766497	(5,811)
							(4,454)			(5,811)

Note 1: Revenues collected represent amounts actually collected through 2018.

Interest Calculation

2017 - Rider 8	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	Lost Revenues	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Total Cumulative Under/Over Collected
	Beginning Balance	27,959,114	26,837,675	1,121,439		-	-		-	-	1,121,439
	January					-	-		-	-	1,121,439
	February					-	-		-	-	1,121,439
	March					-	-		-	-	1,121,439
	April					-	-		-	-	1,121,439
	May					-	-		-	-	1,121,439
	June					-	-		-	-	1,121,439
	July					-	-		-	-	1,121,439
	August					-	-		-	-	1,121,439
	September					-	-		-	-	1,121,439
	October					-	-		-	-	1,121,439
	November					-	-		-	-	1,121,439
	December					-	-		-	-	1,121,439
YTD Balance		27,959,114	26,837,675	1,121,439	14,733,024	14,142,082	590,942	4,852,974	4,658,321	194,654	1,907,034

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Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential EE Programs Vintage 2015

Interest Calculation

2018 - Rider9	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	Lost Revenues	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Total Cumulative Over/Under Collected
	Beginning Balance	27,959,114	26,837,675	1,121,439	14,733,024	14,142,082	590,942	4,852,974	4,658,321	194,654	1,907,034
	January	-	-	-	-	155,318	(155,318)	-	2,365	(2,365)	1,749,351
	February	-	-	-	-	390,165	(390,165)	-	5,942	(5,942)	1,353,244
	March	-	-	-	-	326,594	(326,594)	-	4,974	(4,974)	1,021,675
	April	-	-	-	-	242,852	(242,852)	-	3,699	(3,699)	775,124
	May	-	-	-	-	236,501	(236,501)	-	3,602	(3,602)	535,022
	June	-	-	-	-	316,267	(316,267)	-	4,817	(4,817)	213,938
	July	-	-	-	-	402,008	(402,008)	-	6,123	(6,123)	(194,192)
	August	-	-	-	-	420,989	(420,989)	-	6,412	(6,412)	(621,592)
	September	-	-	-	-	406,238	(406,238)	-	6,187	(6,187)	(1,034,017)
	October	-	-	-	-	267,581	(267,581)	-	4,075	(4,075)	(1,305,673)
	November	-	-	-	-	235,865	(235,865)	-	3,592	(3,592)	(1,545,130)
	December	-	-	-	8,263,187	565,268	7,697,919	126,047	8,609	117,438	6,270,227
	YTD Balance	-	-	-	8,263,187	3,965,645	4,297,542	126,047	60,396	65,651	
	Cumulative Ending Balance	27,959,114	26,837,675	1,121,439	22,996,211	18,107,728	4,888,483	4,979,022	4,718,717	260,305	6,270,227

Interest Calculation

2019 - Rider10	Month	NC Program Costs Incurred	Revenue Collected	Cumulative Undercollected Balance	Lost Revenues	Revenue Collected	Cumulative Undercollected Balance	PPI	Revenue Collected	Cumulative Undercollected Balance	Total Cumulative Under/(Over) Collected Balance
	Beginning Balance	27,959,114	26,837,675	1,121,439	22,996,211	18,107,728	4,888,483	4,979,022	4,718,717	260,305	6,270,227
	January	-	53,450	1,067,989	-	-	4,888,483	-	-	260,305	6,216,777
	February	-	105,182	962,808	-	-	4,888,483	-	-	260,305	6,111,595
	March	-	96,023	866,784	-	-	4,888,483	-	-	260,305	6,015,572
	April	-	91,900	774,884	-	-	4,888,483	-	-	260,305	5,923,672
	May	-	85,130	689,755	-	-	4,888,483	-	-	260,305	5,838,542
	June	-	108,233	581,522	-	-	4,888,483	-	-	260,305	5,730,310
	July	-	134,008	447,514	-	-	4,888,483	-	-	260,305	5,596,302
	August	-	132,032	315,482	-	-	4,888,483	-	-	260,305	5,464,270
	September	-	114,599	200,883	-	-	4,888,483	-	-	260,305	5,349,671
	October	-	89,350	111,533	-	-	4,888,483	-	-	260,305	5,260,321
	November	-	87,057	24,476	-	-	4,888,483	-	-	260,305	5,173,264
	December	-	225,155	(200,678)	6,753,855	8,269,323	3,373,016	-	148,603	111,702	3,284,039
	YTD Balance	-	1,322,117		6,753,855	8,269,323		-	148,603		
	Cumulative Ending Balance	27,959,114	28,159,792	(200,678)	29,750,066	26,377,050	3,373,016	4,979,022	4,867,320	111,702	3,284,039

Interest Calculation

2020 - Rider 11	Month	NC Program Costs Incurred	Revenue Collected	Cumulative Undercollected Balance	Lost Revenues	Revenue Collected	Cumulative Undercollected Balance	PPI	Revenue Collected	Cumulative Undercollected Balance	Total Cumulative Under/(Over) Collected Balance
	Beginning Balance	27,959,114	28,159,792	(200,678)	29,750,066	26,377,050	3,373,016	4,979,022	4,867,320	111,702	3,284,039
	January	-	(14,431)	(186,248)	900,128	393,209	3,879,934	-	10,620	101,081	3,794,768
	February	-	(28,585)	(157,663)	797,208	778,892	3,898,250	-	21,037	80,044	3,820,631
	March	-	(20,966)	(136,697)	708,474	571,275	4,035,448	-	15,430	64,614	3,963,366
	April	-	(21,117)	(115,580)	625,633	575,405	4,085,676	-	15,541	49,073	4,019,169
	May	-	(18,433)	(97,147)	543,299	502,268	4,126,708	-	13,566	35,507	4,065,068
	June	-	(26,381)	(70,765)	450,244	718,851	3,858,100	-	19,416	16,091	3,803,425
	July	-	(30,319)	(40,447)	365,764	826,133	3,397,731	-	22,313	(6,222)	3,351,062
	August	-	(27,879)	(12,568)	-	759,650	2,638,081	-	20,518	(26,740)	2,598,773
	September	-	(29,941)	17,373	-	815,838	1,822,243	-	22,035	(48,775)	1,790,841
	October	-	(21,082)	38,455	-	574,463	1,247,781	-	15,869	(64,645)	1,221,592
	November	-	(19,468)	57,923	-	530,467	717,314	-	14,328	(78,972)	696,265
	December	-	(45,704)	103,627	-	1,245,359	(528,045)	-	33,282	(112,255)	(536,672)
	YTD Balance	-	(304,305)		4,390,750	8,291,811		-	223,956		
	Cumulative Ending Balance	27,959,114	27,855,487	103,627	34,140,816	34,668,861	(528,045)	4,979,022	5,091,276	(112,255)	(536,672)

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential DSM Programs Vintage 2015

NC Residential DSM	Total System NC DSM Program Costs Incurred	NC Residential DSM Allocation %	NC Allocated DSM Residential Program Costs	NC Residential Revenue Collected(EEC2)	NC Residential DSM Program Collection %	DSM Program Costs Revenue Collected	(Over)/Under Collection
	Miller Exhibit 5, pg 2 Line 9		See calc. at right				
Beginning Balance - from Ri	31,962,633	32.5218612%	10,394,843	12,983,975		(10,384,396)	10,447
2018 January		32.5218612%	-	1,070	61.5470492%	(659)	(659)
2018 February		32.5218612%	-	2,102	61.5470492%	(1,294)	(1,294)
2018 March		32.5218612%	-	1,547	61.5470492%	(952)	(952)
2018 April		32.5218612%	-	1,558	61.5470492%	(959)	(959)
2018 May		32.5218612%	-	1,362	61.5470492%	(838)	(838)
2018 June		32.5218612%	-	1,942	61.5470492%	(1,195)	(1,195)
2018 July		32.5218612%	-	2,229	61.5470492%	(1,372)	(1,372)
2018 August		32.5218612%	-	2,051	61.5470492%	(1,262)	(1,262)
2018 September		32.5218612%	-	2,201	61.5470492%	(1,355)	(1,355)
2018 October		32.5218612%	-	1,555	61.5470492%	(957)	(957)
2018 November		32.5218612%	-	1,437	61.5470492%	(885)	(885)
2018 December		32.5218612%	-	3,351	61.5470492%	(2,062)	(2,062)
	-		10,394,843	13,006,378		(10,398,185)	(3,341)

Program Costs to be recovered in Rider 11 10,447
Revenue Requirement Requested in Rider 11 16,974

Percent of Revenue to be applied to total collections 62%

NC Residential DSM	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018				7.29% 6.83%			0.766497	
Beginning Balance - from Ri	10,447			2,467	7,980					
2018 January	9,789	0.236149	(156)	2,312	7,477	0.006075	47	47	0.766497	61
2018 February	8,495	0.236149	(306)	2,006	6,489	0.006075	42	89	0.766497	117
2018 March	7,543	0.236149	(225)	1,781	5,762	0.006075	37	127	0.766497	165
2018 April	6,584	0.236149	(226)	1,555	5,029	0.006075	33	159	0.766497	208
2018 May	5,746	0.236149	(198)	1,357	4,389	0.006075	29	188	0.766497	245
2018 June	4,551	0.236149	(282)	1,075	3,476	0.006075	24	212	0.766497	276
2018 July	3,179	0.236149	(324)	751	2,429	0.006075	18	230	0.766497	300
2018 August	1,917	0.236149	(298)	453	1,464	0.005692	11	241	0.766497	314
2018 September	563	0.236149	(320)	133	430	0.005692	5	246	0.766497	321
2018 October	(395)	0.236149	(226)	(93)	(301)	0.005692	0	247	0.766497	322
2018 November	(1,279)	0.236149	(209)	(302)	(977)	0.005692	(4)	243	0.766497	317
2018 December	(3,341)	0.236149	(487)	(789)	(2,552)	0.005692	(10)	233	0.766497	304
							233			304

Note 1: Amounts represent all revenue actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Non- Residential EE Programs Vintage 2015

NC Non- Residential EE	Non-Residential EE Program Costs		NC Allocated EE Program Costs	NC Residential Revenue Collected (EEC15)	NC Non- Residential EE Program Collection %	Non-Residential EE Program Costs Revenue Collected	(Over)/Under Collection
	Incurred	NC Allocation %					
	Miller Exhibit 5, pg 2, Line 4				See calc. at right		
Beginning Balance - source Rider	40,096,318	72.9564706%	29,252,858	49,895,986		(27,536,038)	1,716,820
2018 January		72.9564706%	-	568,041	20.6964576%	(117,564)	(117,564)
2018 February		72.9564706%	-	602,713	20.6964576%	(124,740)	(124,740)
2018 March		72.9564706%	-	539,207	20.6964576%	(111,597)	(111,597)
2018 April		72.9564706%	-	571,303	20.6964576%	(118,239)	(118,239)
2018 May		72.9564706%	-	583,957	20.6964576%	(120,858)	(120,858)
2018 June		72.9564706%	-	707,348	20.6964576%	(146,396)	(146,396)
2018 July		72.9564706%	-	719,033	20.6964576%	(148,814)	(148,814)
2018 August		72.9564706%	-	715,298	20.6964576%	(148,041)	(148,041)
2018 September		72.9564706%	-	797,739	20.6964576%	(165,104)	(165,104)
2018 October		72.9564706%	-	826,401	20.6964576%	(171,036)	(171,036)
2018 November		72.9564706%	-	568,555	20.6964576%	(117,671)	(117,671)
2018 December		72.9564706%	-	787,159	20.6964576%	(162,914)	(162,914)
	-		29,252,858	57,882,741		(25,883,063)	63,845

Program Cost Allocation Calculation	
Non-Res EE Program Costs under collected balance	1,716,820
Non-Res EE Revenue Requirement in Rider 9	8,295,238
% Revenue related to Program Costs	21%
Note: Vintage Year 2015 collections in 2018 stem from Rider 9	

NC Non-Residential EE		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018						7.29% 6.83%	0.766497		
Beginning Balance from Rider 9		1,716,820			405,425	1,311,395					
2018	January	1,599,256	0.236149	(27,762.70)	377,663	1,221,593	0.006075	7,694	7,694	0.766497	10,038
2018	February	1,474,516	0.236149	(29,457.30)	348,205	1,126,310	0.006075	7,132	14,826	0.766497	19,342
2018	March	1,362,919	0.236149	(26,353.48)	321,852	1,041,067	0.006075	6,583	21,409	0.766497	27,931
2018	April	1,244,680	0.236149	(27,922.13)	293,930	950,750	0.006075	6,050	27,459	0.766497	35,824
2018	May	1,123,821	0.236149	(28,540.60)	265,389	858,432	0.006075	5,495	32,955	0.766497	42,994
2018	June	977,425	0.236149	(34,571.28)	230,818	746,607	0.006075	4,875	37,830	0.766497	49,354
2018	July	828,611	0.236149	(35,142.37)	195,676	632,935	0.006075	4,190	42,020	0.766497	54,821
2018	August	680,569	0.236149	(34,959.80)	160,716	519,854	0.005692	3,281	45,301	0.766497	59,101
2018	September	515,466	0.236149	(38,989.08)	121,727	393,739	0.005692	2,600	47,901	0.766497	62,493
2018	October	344,430	0.236149	(40,389.92)	81,337	263,093	0.005692	1,869	49,770	0.766497	64,932
2018	November	226,759	0.236149	(27,787.83)	53,549	173,210	0.005692	1,242	51,012	0.766497	66,552
2018	December	63,845	0.236149	(38,471.97)	15,077	48,768	0.005692	632	51,643	0.766497	67,376

Note 1: Amounts represent all revenue actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Non - Residential DSM Programs Vintage 2015

NC Non- Residential DSM	Incentives Earned & GRT remitted								Non-Residential DSM Program	
	Total System NC DSM Program Costs Incurred	NC Non- Residential DSM Allocation %	NC Allocated DSM Non- Residential Program Costs	DSM Non- (Allocated based on WA of Program Costs Incurred)	Total DSM Revenue Requirement	NC Non-Residential DSM Revenue Collected(DS15)	NC Non-Residential DSM Program Collection %	Costs Revenue Collected	(Over)/Under Collection	
		See Miller Exhibit 5 pg. 2, Line 10		calculated interest on entire balance due to over- collection in total			100% used due to over-collection of entire vintage			
Beginning Balance - revenue req	31,958,782	42.4483655%	13,565,981	2,960,385	16,526,366	16,946,105	100.0000000%	(16,946,105)	(419,739)	
2018 January	-	42.4483655%	-	-	-	(53,805)	100.0000000%	(53,805)	53,805	
2018 February	-	42.4483655%	-	-	-	(37,120)	100.0000000%	(37,120)	37,120	
2018 March	-	42.4483655%	-	-	-	(32,596)	100.0000000%	(32,596)	32,596	
2018 April	-	42.4483655%	-	-	-	(35,291)	100.0000000%	(35,291)	35,291	
2018 May	-	42.4483655%	-	-	-	(35,545)	100.0000000%	(35,545)	35,545	
2018 June	-	42.4483655%	-	-	-	(42,596)	100.0000000%	(42,596)	42,596	
2018 July	-	42.4483655%	-	-	-	(44,317)	100.0000000%	(44,317)	44,317	
2018 August	-	42.4483655%	-	-	-	(43,372)	100.0000000%	(43,372)	43,372	
2018 September	-	42.4483655%	-	-	-	(48,517)	100.0000000%	(48,517)	48,517	
2018 October	-	42.4483655%	-	-	-	(50,018)	100.0000000%	(50,018)	50,018	
2018 November	-	42.4483655%	-	-	-	(35,152)	100.0000000%	(35,152)	35,152	
2018 December	-	42.4483655%	-	-	-	(56,830)	100.0000000%	(56,830)	56,830	
	-		-		16,526,366	16,430,948			95,418	

Program Cost Allocation Methodology

No program cost allocation is needed because the vintage was overcollected in total and interest due was calculated on the entire vintage.

Therefore, 100% of all revenues offset the overcollected balance.

NC Non-Residential DSM	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
	2018					7.29% 6.83%			0.766497	
Beginning Balance - from Rider 9	(419,739)			(99,121)	(320,618)					
2018 January	(365,934)	0.236149	12,706	(86,415)	(279,519)	0.006075	(1,823)	(1,823)	0.766497	(2,378)
2018 February	(328,814)	0.236149	8,766	(77,649)	(251,165)	0.006075	(1,612)	(3,435)	0.766497	(4,481)
2018 March	(296,218)	0.236149	7,697	(69,952)	(226,267)	0.006075	(1,450)	(4,885)	0.766497	(6,373)
2018 April	(260,927)	0.236149	8,334	(61,618)	(199,310)	0.006075	(1,293)	(6,178)	0.766497	(8,060)
2018 May	(225,383)	0.236149	8,394	(53,224)	(172,159)	0.006075	(1,128)	(7,306)	0.766497	(9,532)
2018 June	(182,787)	0.236149	10,059	(43,165)	(139,622)	0.006075	(947)	(8,253)	0.766497	(10,767)
2018 July	(138,470)	0.236149	10,465	(32,700)	(105,771)	0.006075	(745)	(8,999)	0.766497	(11,740)
2018 August	(95,098)	0.236149	10,242	(22,457)	(72,641)	0.005692	(508)	(9,506)	0.766497	(12,402)
2018 September	(46,581)	0.236149	11,457	(11,000)	(35,581)	0.005692	(308)	(9,814)	0.766497	(12,804)
2018 October	3,437	0.236149	11,812	812	2,625	0.005692	(94)	(9,908)	0.766497	(12,926)
2018 November	38,589	0.236149	8,301	9,113	29,476	0.005692	91	(9,817)	0.766497	(12,807)
2018 December	95,418	0.236149	13,420	22,533	72,885	0.005692	291	(9,525)	0.766497	(12,427)

Note 1: Revenues collected represent amounts actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential EE Programs Vintage 2016

NC Residential EE	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
	2018					7.29% 6.83%			0.766497	
Beginning Balance - source I	11,777,137			2,781,159	8,995,978					
2018 January	11,187,036	0.236149	(139,352)	2,641,807	8,545,229	0.006075	53,281	53,281	0.766497	69,513
2018 February	9,990,702	0.236149	(282,513)	2,359,294	7,631,407	0.006075	49,137	102,418	0.766497	133,618
2018 March	9,120,709	0.236149	(205,448)	2,153,846	6,966,862	0.006075	44,342	146,760	0.766497	191,469
2018 April	8,244,224	0.236149	(206,981)	1,946,865	6,297,359	0.006075	40,290	187,050	0.766497	244,033
2018 May	7,482,701	0.236149	(179,833)	1,767,032	5,715,668	0.006075	36,490	223,540	0.766497	291,638
2018 June	6,380,741	0.236149	(260,227)	1,506,806	4,873,936	0.006075	32,166	255,706	0.766497	333,603
2018 July	5,110,153	0.236149	(300,048)	1,206,757	3,903,395	0.006075	26,661	282,367	0.766497	368,386
2018 August	3,944,064	0.236149	(275,371)	931,387	3,012,678	0.005692	19,682	302,049	0.766497	394,064
2018 September	2,689,658	0.236149	(296,227)	635,160	2,054,498	0.005692	14,420	316,469	0.766497	412,877
2018 October	1,814,656	0.236149	(206,631)	428,529	1,386,127	0.005692	9,791	326,261	0.766497	425,652
2018 November	1,008,808	0.236149	(190,300)	238,229	770,579	0.005692	6,138	332,398	0.766497	433,659
2018 December	(1,972,320)	0.236149	(703,990)	(465,762)	(1,506,559)	0.005692	(2,094)	330,304	0.766497	430,926
							330,304			430,926

Note 1: Amounts represent all revenue actually collected through 2018.

Interest Calculation

2018 - Rider 9	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Lost Revenue	Revenue Collected	Undercollected Balance	Total Cumulative Under/Over Collected	%
Beginning Balance		40,021,103	28,243,964	11,777,138	6,821,368	4,814,022	2,007,346	16,669,126	11,763,849	4,905,277	18,689,761	
January						-	-				18,689,761	0.63
February						-	-				18,689,761	0.11
March						-	-				18,689,761	0.26
April						-	-				18,689,761	
May						-	-				18,689,761	
June						-	-				18,689,761	
July						-	-				18,689,761	
August						-	-				18,689,761	
September						-	-				18,689,761	
October						-	-				18,689,761	
November						-	-				18,689,761	
December						-	-				18,689,761	
YTD Balance		40,021,103	28,243,964	11,777,138	6,821,368	4,814,022	2,007,346	16,669,126	11,763,849	4,905,277	18,689,761	

EE Program Costs	40,021,103	0.63
EE PPI & GRT	6,821,368	0.11
EE Lost Revenue	16,669,126	0.26
Total EE Revenue Requirement	63,511,597	

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Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential EE Programs Vintage 2016

Interest Calculation

2019 - Rider 10	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Lost Revenue	Revenue Collected	Undercollected Balance	Total Cumulative Over/Under Collected
	Beginning Balance	40,021,103	28,243,964	11,777,138	6,821,368	4,814,022	2,007,346	16,669,126	11,763,849	4,905,277	18,689,761
	January			-			-				18,689,761
	February			-			-				18,689,761
	March			-			-				18,689,761
	April			-			-				18,689,761
	May			-			-				18,689,761
	June			-			-				18,689,761
	July			-			-				18,689,761
	August			-			-				18,689,761
	September			-			-				18,689,761
	October			-			-				18,689,761
	November			-			-				18,689,761
	December	(2)		(2)	(50,792.97)		(50,793)	2,424,300	5,570,022	(3,145,722)	15,493,244
	YTD Balance	(2)	-	(2)	(50,793)	-	(50,793)	2,424,300	5,570,022	(3,145,722)	15,493,244
	Cumulative Ending Balance	40,021,101	28,243,964	11,777,137	6,770,575	4,814,022	1,956,553	19,093,426	17,333,871	1,759,555	15,493,244

Note: Year 2 of all residential vintages goes toward the collection of Year 2 lost revenues. Therefore, no revenues offset the undercollection of Year 1 Program costs or PPI. Interest continued to accrue on beginning balance.

Interest Calculation

2020- Rider 11	Month	NC Program Costs Incurred	Revenue Collected	Cumulative Under/(Over)collected Balance	PPI	Revenue Collected	Cumulative Under/(Over)collected Balance	Lost Revenue	Revenue Collected	Cumulative Under/(Over)collected Balance	Total Cumulative Over/Under Collected
	Beginning Balance	40,021,101	28,243,964	11,777,137	6,770,575	4,814,022	1,956,553	19,093,426	17,333,871	1,759,555	15,493,244
	January		590,101	11,187,036		98,034	1,858,519	1,390,664	575,924	2,574,295	15,619,850
	February		1,196,334	9,990,702		198,749	1,659,770	1,390,664	1,167,592	2,797,367	14,447,839
	March		869,993	9,120,709		144,533	1,515,237	1,390,664	849,091	3,338,940	13,974,885
	April		876,484	8,244,224		145,612	1,369,625	1,390,664	855,427	3,874,178	13,488,027
	May		761,524	7,482,701		126,513	1,243,112	1,390,664	743,228	4,521,614	13,247,426
	June		1,101,959	6,380,741		183,070	1,060,042	1,390,664	1,075,485	4,836,793	12,277,576
	July		1,270,589	5,110,153		211,085	848,957	1,390,651	1,240,063	4,987,381	10,946,491
	August		1,166,088	3,944,064		193,724	655,233		1,138,073	3,849,308	8,448,606
	September		1,254,406	2,689,658		208,396	446,837		1,224,269	2,625,039	5,761,535
	October		875,003	1,814,656		145,365	301,471		853,981	1,771,059	3,887,186
	November		805,848	1,008,808		133,877	167,595		786,488	984,571	2,160,973
	December		1,929,546	(920,739)		320,558	(152,964)		1,883,189	(898,618)	(1,972,320)
	Cumulative Ending Balance	40,021,101	40,941,840	(920,739)	6,770,575	6,923,539	(152,964)	28,828,063	29,726,681	(898,618)	(1,972,320)

Revenue Requirement:		
Program Costs	11,777,137	0.47
PPI & GRT	1,956,553	0.08
Lost Revenue	11,494,191	0.46
Total Revenue Requirement	25,227,881	

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential DSM Programs Vintage 2016

NC Residential DSM	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018				7.29% 6.83%			0.766497	
Beginning Balance - source I	(986,784)			(233,028)	(753,756)					
2018 January	(943,803)	0.236149	10,150	(222,878)	(720,925)	0.006075	(4,479)	(4,479)	0.766497	(5,844)
2018 February	(851,272)	0.236149	21,851	(201,027)	(650,245)	0.006075	(4,165)	(8,644)	0.766497	(11,278)
2018 March	(785,414)	0.236149	15,552	(185,475)	(599,939)	0.006075	(3,797)	(12,442)	0.766497	(16,232)
2018 April	(719,025)	0.236149	15,678	(169,797)	(549,228)	0.006075	(3,491)	(15,932)	0.766497	(20,786)
2018 May	(662,033)	0.236149	13,459	(156,338)	(505,694)	0.006075	(3,204)	(19,137)	0.766497	(24,966)
2018 June	(577,215)	0.236149	20,030	(136,309)	(440,906)	0.006075	(2,875)	(22,012)	0.766497	(28,718)
2018 July	(478,615)	0.236149	23,284	(113,024)	(365,590)	0.006075	(2,450)	(24,462)	0.766497	(31,914)
2018 August	(388,556)	0.236149	21,267	(91,757)	(296,799)	0.006075	(2,012)	(26,474)	0.766497	(34,539)
2018 September	(291,278)	0.236149	22,972	(68,785)	(222,493)	0.006075	(1,577)	(28,051)	0.766497	(36,596)
2018 October	(225,011)	0.236149	15,649	(53,136)	(171,875)	0.006075	(1,198)	(29,249)	0.766497	(38,159)
2018 November	(164,396)	0.236149	14,314	(38,822)	(125,574)	0.006075	(904)	(30,152)	0.766497	(39,338)
2018 December	(11,973)	0.236149	35,994	(2,827)	(9,146)	0.006075	(409)	(30,562)	0.766497	(39,872)
							(30,562)			(39,872)

Note 1: Amounts represent all revenue actually collected through 2018.

Interest Calculation

2018 - Rider 9	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Total Cumulative Under/Over Collected		%
Beginning Balance		9,600,575	10,366,049	(765,474)	2,775,672	2,996,983.02	(221,311)	(986,784)	DSM Program Costs	9,600,575
January						-	-	(986,784)	DSM PPI & GRT	2,775,672
February						-	-	(986,784)	Total Revenue Requirement	12,376,248
March						-	-	(986,784)		
April						-	-	(986,784)		
May						-	-	(986,784)		
June						-	-	(986,784)		
July						-	-	(986,784)		
August						-	-	(986,784)		
September						-	-	(986,784)		
October						-	-	(986,784)		
November						-	-	(986,784)		
December						-	-	(986,784)		
YTD Balance		9,600,575	10,366,049	(765,474)	2,775,672	2,996,983	(221,311)			

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential DSM Programs Vintage 2016

Interest Calculation								
2019 - Rider 10	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Total Cumulative Over/Under Collected
	Beginning Balance	9,600,575	10,366,049	(765,474)	2,775,672	2,996,983	(221,311)	(986,784)
	January			-			-	(986,784)
	February			-			-	(986,784)
	March			-			-	(986,784)
	April			-			-	(986,784)
	May			-			-	(986,784)
	June			-			-	(986,784)
	July			-			-	(986,784)
	August			-			-	(986,784)
	September			-			-	(986,784)
	October			-			-	(986,784)
	November			-			-	(986,784)
	December			-			-	(986,784)
	YTD Balance	-	-	-		-	-	(986,784)
	Cumulative Ending Balance	9,600,575	10,366,049	(765,474)	2,775,672	2,996,983	(221,311)	(986,784)

Note: Year 2 of all residential vintages goes toward the collection of Year 2 lost revenues. Therefore, no revenues offset the overcollection of Program costs or PPI. Interest continued to accrue on beginning balance.

Interest Calculation								
2020- Rider 11	Month	NC Program Costs Incurred	Revenue Collected	Cumulative Under/(Over)collected Balance	PPI	Revenue Collected	Cumulative Under/(Over)collected Balance	Total Cumulative Over/Under Collected
	Beginning Balance	9,600,575	10,366,049	(765,474)	2,775,672	2,996,983	(221,311)	(986,784)
	January		(38,138)	(727,336)	(6,183)	(11,026)	(216,467)	(943,803)
	February		(76,575)	(650,761)	(6,183)	(22,139)	(200,511)	(851,272)
	March		(55,884)	(594,877)	(6,183)	(16,157)	(190,537)	(785,414)
	April		(56,295)	(538,582)	(6,183)	(16,276)	(180,443)	(719,025)
	May		(49,007)	(489,575)	(6,183)	(14,169)	(172,458)	(662,033)
	June		(70,591)	(418,984)	(6,183)	(20,409)	(158,231)	(577,215)
	July		(81,283)	(337,701)	(6,183)	(23,500)	(140,914)	(478,615)
	August		(74,657)	(263,044)	(6,183)	(21,585)	(125,512)	(388,556)
	September		(80,257)	(182,787)	(6,183)	(23,204)	(108,491)	(291,278)
	October		(56,201)	(126,586)	(6,183)	(16,249)	(98,425)	(225,011)
	November		(51,817)	(74,769)	(6,183)	(14,981)	(89,627)	(164,396)
	December		(123,063)	48,294	(6,220)	(35,579)	(60,267)	(11,973)
	YTD Balance	-	(813,768)	(74,230)	(74,230)	(235,273)	(60,267)	(11,973)
	Cumulative Ending Balance	9,600,575	9,552,281	48,294	2,701,443	2,761,710	(60,267)	(11,973)

Revenue Requirement:		
Program Costs	(765,474)	0.78
PPI	(221,311)	0.22
Total	(986,784)	

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Non- Residential EE Programs Vintage 2016

NC Non- Residential EE	Non-Residential EE Program Costs Incurred	NC Allocation %	NC Allocated EE Program Costs	Total Revenue Collected	Percent Attributable to Program Costs	NC Residential Revenue Collected	(Over)/Under Collection
		Miller Exhibit 5. pg 3, Line 4					
Beginning Balance - Source Rider	68,416,594		50,009,987	45,662,897	69.71121%	(31,832,160)	18,177,827
2018 January		73.0962827%	-	679,787	45.63863%	(310,246)	(310,246)
2018 February		73.0962827%	-	2,902,313	45.63863%	(1,324,576)	(1,324,576)
2018 March		73.0962827%	-	2,586,992	45.63863%	(1,180,668)	(1,180,668)
2018 April		73.0962827%	-	2,741,877	45.63863%	(1,251,355)	(1,251,355)
2018 May		73.0962827%	-	2,801,556	45.63863%	(1,278,592)	(1,278,592)
2018 June		73.0962827%	-	3,405,104	45.63863%	(1,554,043)	(1,554,043)
2018 July		73.0962827%	-	3,471,798	45.63863%	(1,584,481)	(1,584,481)
2018 August		73.0962827%	-	3,444,453	45.63863%	(1,572,001)	(1,572,001)
2018 September		73.0962827%	-	3,831,885	45.63863%	(1,748,820)	(1,748,820)
2018 October		73.0962827%	-	4,000,975	45.63863%	(1,825,990)	(1,825,990)
2018 November		73.0962827%	-	2,724,564	45.63863%	(1,243,454)	(1,243,454)
2018 December		73.0962827%	-	3,701,529	45.63863%	(1,689,327)	(1,689,327)
	-		50,009,987	81,955,731		(48,395,713)	1,614,274

Program Costs to be Recovered in Rider 9 **18,177,827**

Revenues to be Collected in Rider 9 39,829,912

% Revenue to be assigned to Program Costs 0.4564

NC Non-Residential EE	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018				7.29%			0.766497	
						6.83%				
Beginning Balance - Source Rider	18,177,827			4,292,676						
2018 January	17,867,582	0.236149	(73,264.18)	4,219,412	13,648,170	0.006075	41,456	41,456	0.766497	54,085
2018 February	16,543,006	0.236149	(312,797.25)	3,906,614	12,636,391	0.006075	79,839	121,296	0.766497	158,247
2018 March	15,362,338	0.236149	(278,813.47)	3,627,801	11,734,537	0.006075	74,027	195,322	0.766497	254,825
2018 April	14,110,983	0.236149	(295,506.26)	3,332,295	10,778,689	0.006075	68,384	263,706	0.766497	344,041
2018 May	12,832,391	0.236149	(301,938.21)	3,030,356	9,802,035	0.006075	62,514	326,220	0.766497	425,599
2018 June	11,278,348	0.236149	(366,985.70)	2,663,371	8,614,977	0.006075	55,942	382,162	0.766497	498,582
2018 July	9,693,867	0.236149	(374,173.59)	2,289,197	7,404,670	0.006075	48,660	430,822	0.766497	562,066
2018 August	8,121,866	0.236149	(371,226.57)	1,917,970	6,203,895	0.006075	41,336	472,158	0.766497	615,994
2018 September	6,373,046	0.236149	(412,982.12)	1,504,988	4,868,057	0.006075	33,631	505,789	0.766497	659,870
2018 October	4,547,055	0.236149	(431,205.81)	1,073,783	3,473,273	0.006075	25,337	531,125	0.766497	692,926
2018 November	3,303,601	0.236149	(293,640.40)	780,142	2,523,459	0.006075	18,215	549,341	0.766497	716,690
2018 December	1,614,274	0.236149	(398,932.93)	381,209	1,233,065	0.006075	11,410	560,751	0.766497	731,576
							560,751			731,576

Note 1: Amounts represent all revenue actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation -Non - Residential DSM Programs Vintage 2016

NC Non-Residential DSM	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018				7.29% 6.83%			0.766497	
Beginning Balance - Source Ride	45,391			10,719	34,672					
2018 January	38,152	0.236149	(1,710)	9,010	29,142	0.006075	194	194	0.766497	253
2018 February	(3,375)	0.236149	(9,807)	(797)	(2,578)	0.006075	81	275	0.766497	358
2018 March	(39,808)	0.236149	(8,604)	(9,401)	(30,407)	0.006075	(100)	174	0.766497	227
2018 April	(17,951)	0.236149	5,161	(4,239)	(13,712)	0.006075	(134)	40	0.766497	53
2018 May	(42,359)	0.236149	(5,764)	(10,003)	(32,356)	0.006075	(140)	(100)	0.766497	(130)
2018 June	(71,615)	0.236149	(6,909)	(16,912)	(54,703)	0.006075	(264)	(364)	0.766497	(475)
2018 July	(102,080)	0.236149	(7,194)	(24,106)	(77,974)	0.006075	(403)	(767)	0.766497	(1,001)
2018 August	(131,902)	0.236149	(7,042)	(31,148)	(100,753)	0.005692	(509)	(1,276)	0.766497	(1,664)
2018 September	(164,952)	0.236149	(7,805)	(38,953)	(125,999)	0.005692	(645)	(1,921)	0.766497	(2,506)
2018 October	(199,743)	0.236149	(8,216)	(47,169)	(152,574)	0.005692	(793)	(2,714)	0.766497	(3,540)
2018 November	(223,833)	0.236149	(5,689)	(52,858)	(170,975)	0.005692	(921)	(3,635)	0.766497	(4,742)
2018 December	(250,377)	0.236149	(6,268)	(59,126)	(191,251)	0.005692	(1,031)	(4,665)	0.766497	(6,087)
							(4,665)			(6,087)

Note 1: Amounts represent all revenue actually collected through 2018.

Interest Calculation

2018 - Rider 9	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Total Cumulative Under/Over Collected	%
Beginning Balance		11,594,497	11,354,396	240,102	3,352,151	3,282,731	69,419	309,521	
January						-	-	309,521	DSM Program Costs 11,594,497 0.78
February						-	-	309,521	DSM PPI & GRT 3,352,151 0.22
March						-	-	309,521	Total Revenue Requirement 14,946,648
April						-	-	309,521	
May						-	-	309,521	
June						-	-	309,521	
July						-	-	309,521	
August						-	-	309,521	
September						-	-	309,521	
October						-	-	309,521	
November						-	-	309,521	
December						-	-	309,521	
YTD Balance		11,594,497	11,354,396	240,102	3,352,151	3,282,731	69,419		

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Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation -Non - Residential DSM Programs Vintage 2016

Interest Calculation

2019 - Rider 10	Month	NC Program Costs Incurred	Revenue Collected	Undercollected Balance	PPI	Revenue Collected	Undercollected Balance	Total Cumulative Over/Under Collected
Beginning Balance		11,594,497	11,354,396	240,102	3,352,151	3,282,731	69,419	309,521
January			192,582	(192,582)		55,678	(55,678)	61,261
February			1,806	(1,806)		522	(522)	58,933
March			(2,074)	2,074		(600)	600	61,607
April			(294)	294		(85)	85	61,986
May			20	(20)		6	(6)	61,960
June			(7)	7		(2)	2	61,969
July			(4)	4		(1)	1	61,974
August			(2,270)	2,270		(656)	656	64,901
September			(31)	31		(9)	9	64,940
October			8	(8)		2	(2)	64,930
November			(8)	8		(2)	2	64,940
December			4,982	(4,982)		1,440	(1,440)	58,517
YTD Balance		-	194,710	(194,710)	-	56,294	(56,294)	58,517
Cumulative Ending Balance		11,594,497	11,549,106	45,391	3,352,151	3,339,025	13,125	58,517

Note: There was no Non-Residential DSM Rider in Rider 10.
All revenues collected represented bill corrections, so
all revenues were allocated on the same basis as prior year.

Interest Calculation

2020- Rider 11	Month	NC Program Costs Incurred	Revenue Collected	Cumulative Under/(Over)collected Balance	PPI	Revenue Collected	Cumulative Under/(Over)collected Balance	Total Cumulative Over/Under Collected
Beginning Balance		11,594,497	11,549,106	45,391	3,352,151	3,339,025	13,125	58,517
January			7,239	38,152	(485)	(3,286)	15,927	54,079
February			41,527	(3,375)	(2,780)	(18,850)	31,998	28,623
March			36,433	(39,808)	(2,439)	(16,538)	46,097	6,289
April			39,543	(79,351)	(2,647)	(17,950)	61,400	(17,951)
May			39,817	(119,168)	(2,665)	(18,074)	76,809	(42,359)
June			47,726	(166,894)	(3,195)	(21,665)	95,279	(71,615)
July			49,697	(216,591)	(3,327)	(22,559)	114,511	(102,080)
August			48,648	(265,240)	(3,256)	(22,083)	133,338	(131,902)
September			53,916	(319,155)	(3,609)	(24,474)	154,203	(164,952)
October			56,754	(375,909)	(3,799)	(25,763)	176,167	(199,743)
November			39,300	(415,209)	(2,631)	(17,839)	191,375	(223,833)
December			43,300	(458,509)	(2,898)	(19,655)	208,133	(250,377)
YTD Balance		-	503,901	(458,509)	(33,730)	(228,737)	208,133	(250,377)
Cumulative Ending Balance		11,594,497	12,053,007	(458,509)	3,318,420	3,110,288	208,133	(250,377)

Revenue Requirement:		
Program Costs	45,391	1.83
PPI	(20,605)	(0.83)
Total	24,787	
Revenue Collected:	276,923	
Less Interest collected:	1,759	
Total	275,164	

Reconciliation to Filing - Exhibit 2 page 2 :

Interest not yet paid Rider 10 & 11	(2,667)	
Revenue not yet given back	267,721	-
	14,678	
Exhibit 2 page 2 Line 35	14,674	
	3	

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Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential EE Programs Vintage 2017

		Residential EE Program Costs Incurred	NC Allocation %	NC Allocated EE Program Costs	NC Residential Revenue Collected	NC Residential EE Program Collection %	EE Program Costs Revenue Collected	(Over)/Under Collection
NC Residential EE		<div>Miller Exhibit 5 pg. 4, Line 4</div> <div>see calc. at right</div>						
2018	January	65,222,734	72.8087506%	47,487,858	49,132,586	59.7964%	(29,379,532)	18,108,325
2018	February		72.8087506%	-		0.0000%	-	-
2018	March		72.8087506%	-		0.0000%	-	-
2018	April		72.8087506%	-		0.0000%	-	-
2018	May		72.8087506%	-		0.0000%	-	-
2018	June		72.8087506%	-		0.0000%	-	-
2018	July		72.8087506%	-		0.0000%	-	-
2018	August		72.8087506%	-		0.0000%	-	-
2018	September		72.8087506%	-		0.0000%	-	-
2018	October		72.8087506%	-		0.0000%	-	-
2018	November		72.8087506%	-		0.0000%	-	-
2018	December		72.8087506%	-		0.0000%	-	-
		65,222,734		47,487,858	49,132,586			18,108,325

Note: All revenues collected in Rider 9 were to collect Y2 of lost revenue. Therefore, no revenue received in 2018 would offset the under collected balance of program costs and a return would still be earned.

		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
NC Residential EE		<div>2018</div> <div>7.29%</div> <div>6.83%</div> <div>0.766497</div>									
2018	January	18,108,325	0.236149	4,276,263	4,276,263	13,832,063	0.006075	42,015	42,015	0.766497	54,814
2018	February	18,108,325	0.236149	-	4,276,263	13,832,063	0.006075	84,030	126,045	0.766497	164,442
2018	March	18,108,325	0.236149	-	4,276,263	13,832,063	0.006075	84,030	210,074	0.766497	274,071
2018	April	18,108,325	0.236149	-	4,276,263	13,832,063	0.006075	84,030	294,104	0.766497	383,699
2018	May	18,108,325	0.236149	-	4,276,263	13,832,063	0.006075	84,030	378,134	0.766497	493,327
2018	June	18,108,325	0.236149	-	4,276,263	13,832,063	0.006075	84,030	462,164	0.766497	602,956
2018	July	18,108,325	0.236149	-	4,276,263	13,832,063	0.006075	84,030	546,194	0.766497	712,584
2018	August	18,108,325	0.236149	-	4,276,263	13,832,063	0.005692	78,727	624,921	0.766497	815,295
2018	September	18,108,325	0.236149	-	4,276,263	13,832,063	0.005692	78,727	703,649	0.766497	918,006
2018	October	18,108,325	0.236149	-	4,276,263	13,832,063	0.005692	78,727	782,376	0.766497	1,020,716
2018	November	18,108,325	0.236149	-	4,276,263	13,832,063	0.005692	78,727	861,104	0.766497	1,123,427
2018	December	18,108,325	0.236149	-	4,276,263	13,832,063	0.005692	78,727	939,831	0.766497	1,226,138
								939,831			1,226,138

Note 1: Amounts represent all revenue actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential DSM Programs Vintage 2017

		Total System NC DSM Program Costs Incurred	NC Residential DSM Allocation %	NC Allocated DSM Residential Program Costs	NC Residential Revenue Collected	NC Residential DSM Program Collection %	DSM Program Costs Revenue Collected	(Over)/Under Collection
NC Residential DSM		<div> <div>Miller Exhibit 5, pg 4 Line 9</div> <div>See calc. at right</div> </div>						
2018	January	29,822,653	33.8075104%	10,082,297	12,781,955	77.3907656%	(9,892,053)	190,244
2018	February		33.8075104%	-			-	-
2018	March		33.8075104%	-			-	-
2018	April		33.8075104%	-			-	-
2018	May		33.8075104%	-			-	-
2018	June		33.8075104%	-			-	-
2018	July		33.8075104%	-			-	-
2018	August		33.8075104%	-			-	-
2018	September		33.8075104%	-			-	-
2018	October		33.8075104%	-			-	-
2018	November		33.8075104%	-			-	-
2018	December		33.8075104%	-			-	-
		29,822,653		10,082,297	12,781,955		(9,892,053)	190,244

Note: All revenues collected in Rider 9 were to collect Y2 of lost revenue. Therefore, no revenue received in 2018 would offset the under collected balance of program costs and a return would still be earned.

		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
NC Residential DSM		<div> <div>2018</div> <div>7.29%</div> <div>6.83%</div> </div>									
2018	January	190,244	0.236149	44,926	44,926	145,318	0.006075	441	441	0.766497	576
2018	February	190,244	0.236149	-	44,926	145,318	0.006075	883	1,324	0.766497	1,728
2018	March	190,244	0.236149	-	44,926	145,318	0.006075	883	2,207	0.766497	2,879
2018	April	190,244	0.236149	-	44,926	145,318	0.006075	883	3,090	0.766497	4,031
2018	May	190,244	0.236149	-	44,926	145,318	0.006075	883	3,973	0.766497	5,183
2018	June	190,244	0.236149	-	44,926	145,318	0.006075	883	4,855	0.766497	6,335
2018	July	190,244	0.236149	-	44,926	145,318	0.006075	883	5,738	0.766497	7,486
2018	August	190,244	0.236149	-	44,926	145,318	0.005692	827	6,565	0.766497	8,565
2018	September	190,244	0.236149	-	44,926	145,318	0.005692	827	7,392	0.766497	9,644
2018	October	190,244	0.236149	-	44,926	145,318	0.005692	827	8,220	0.766497	10,724
2018	November	190,244	0.236149	-	44,926	145,318	0.005692	827	9,047	0.766497	11,803
2018	December	190,244	0.236149	-	44,926	145,318	0.005692	827	9,874	0.766497	12,882
								9,874			12,882

Note 1: Amounts represent all revenue actually collected through 2018.

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Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Non- Residential EE Programs Vintage 2017

		Non-Residential EE Program Costs Incurred	NC Allocation %	NC Allocated EE Program Costs	NC Residential Revenue Collected	NC Non- Residential EE Program Collection %	Non-Residential EE Program Costs Revenue Collected	(Over)/Under Collection
NC Non- Residential EE			Miller Exhibit 5, pg 4, Line 4			See calc. at right		
2018	January	97,443,527	72.8087506%	70,947,415	46,928,129	65.9170989%	(30,933,661)	40,013,754
2018	February			-			-	-
2018	March			-			-	-
2018	April			-			-	-
2018	May			-			-	-
2018	June			-			-	-
2018	July			-			-	-
2018	August			-			-	-
2018	September			-			-	-
2018	October			-			-	-
2018	November			-			-	-
2018	December			-			-	-
		97,443,527		70,947,415	46,928,129		(30,933,661)	40,013,754

Note: All revenues collected in Rider 9 were to collect Y2 of lost revenue. Therefore, no revenue received in 2018 would offset the under collected balance of program costs and a return would still be earned.

		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
NC Non-Residential EE			2018				7.29% 6.83%			0.766497	
2018	January	40,013,754	0.236149	9,449,208.08	9,449,208	30,564,546	0.006075	92,840	92,840	0.766497	121,122
2018	February	40,013,754	0.236149	-	9,449,208	30,564,546	0.006075	185,680	278,519	0.766497	363,367
2018	March	40,013,754	0.236149	-	9,449,208	30,564,546	0.006075	185,680	464,199	0.766497	605,611
2018	April	40,013,754	0.236149	-	9,449,208	30,564,546	0.006075	185,680	649,879	0.766497	847,855
2018	May	40,013,754	0.236149	-	9,449,208	30,564,546	0.006075	185,680	835,558	0.766497	1,090,100
2018	June	40,013,754	0.236149	-	9,449,208	30,564,546	0.006075	185,680	1,021,238	0.766497	1,332,344
2018	July	40,013,754	0.236149	-	9,449,208	30,564,546	0.006075	185,680	1,206,918	0.766497	1,574,589
2018	August	40,013,754	0.236149	-	9,449,208	30,564,546	0.005692	173,963	1,380,881	0.766497	1,801,547
2018	September	40,013,754	0.236149	-	9,449,208	30,564,546	0.005692	173,963	1,554,844	0.766497	2,028,506
2018	October	40,013,754	0.236149	-	9,449,208	30,564,546	0.005692	173,963	1,728,807	0.766497	2,255,465
2018	November	40,013,754	0.236149	-	9,449,208	30,564,546	0.005692	173,963	1,902,770	0.766497	2,482,424
2018	December	40,013,754	0.236149	-	9,449,208	30,564,546	0.005692	173,963	2,076,734	0.766497	2,709,383
								2,076,734			2,709,383

Note 1: Amounts represent all revenue actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Non - Residential DSM Programs Vintage 2017

NC Non- Residential DSM		Total System NC DSM Program Costs Incurred	NC Non- Residential DSM Allocation %	NC Allocated DSM Non- Residential Program Costs	NC Non-Residential DSM Revenue Collected	NC Non- Residential DSM Program Collection %	Non-Residential DSM Program Costs Revenue Collected	(Over)/Under Collection
		See Miller Exhibit 5 pg. 4, Line 10						
Beginning Balance		29,822,653	40.0747013%	11,951,339	15,361,431	77.3901377%	(11,888,233)	63,106
2018	January	-		-	-	77.3901377%		
2018	February	-		-	289	77.3901377%	(223)	(223)
2018	March	-		-	114	77.3901377%	(88)	(88)
2018	April	-		-	(135)	77.3901377%	104	104
2018	May	-		-	(109)	77.3901377%	85	85
2018	June	-		-	(46)	77.3901377%	36	36
2018	July	-		-	71	77.3901377%	(55)	(55)
2018	August	-		-	(48)	77.3901377%	37	37
2018	September	-		-	(2)	77.3901377%	2	2
2018	October	-		-	(2)	77.3901377%	2	2
2018	November	-		-	(0)	77.3901377%	0	0
2018	December	-		-	(1,215)	77.3901377%	940	940
		29,822,653		11,951,339	15,360,347		(11,887,394)	63,945

No rider was collected in 2018 for Vintage 2017.
All revenue collected in 2018 represents
bill corrections. Amounts allocated at same
% as calculated in Rider 9.

NC Non-Residential DSM		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018					7.29% 6.83%			0.766497	
2018	January	63,106	0.236149	14,903	14,903	48,204	0.006075	146	146	0.766497	191
2018	February	62,883	0.236149	(53)	14,850	48,033	0.006075	292	439	0.766497	572
2018	March	62,795	0.236149	(21)	14,829	47,966	0.006075	292	730	0.766497	953
2018	April	62,899	0.236149	25	14,854	48,046	0.006075	292	1,022	0.766497	1,333
2018	May	62,984	0.236149	20	14,874	48,110	0.006075	292	1,314	0.766497	1,714
2018	June	63,019	0.236149	8	14,882	48,137	0.006075	292	1,606	0.766497	2,096
2018	July	62,964	0.236149	(13)	14,869	48,095	0.006075	292	1,899	0.766497	2,477
2018	August	63,002	0.236149	9	14,878	48,124	0.005692	274	2,173	0.766497	2,834
2018	September	63,003	0.236149	0	14,878	48,125	0.005692	274	2,446	0.766497	3,192
2018	October	63,005	0.236149	0	14,879	48,126	0.005692	274	2,720	0.766497	3,549
2018	November	63,005	0.236149	0	14,879	48,126	0.005692	274	2,994	0.766497	3,906
2018	December	63,945	0.236149	222	15,101	48,845	0.005692	276	3,270	0.766497	4,266
								3,270			4,266

Note 1: Amounts represent all revenue actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential EE Programs Vintage 2018

		Residential EE Program Costs Incurred	NC Allocation %	NC Allocated EE Program Costs	NC Residential Revenue Collected	NC Residential EE Program Collection %	EE Program Costs Revenue Collected	(Over)/Under Collection
NC Residential EE		<div>Miller Exhibit 5 pg. 4, Line 4</div> <div>see calc. at right</div>						
2018	January	6,092,327	72.7130507%	4,429,917	3,364,993	65.0094%	(2,187,562)	2,242,355
2018	February	4,207,163	72.7130507%	3,059,157	6,611,534	65.0094%	(4,298,120)	(1,238,963)
2018	March	4,408,777	72.7130507%	3,205,756	4,863,891	65.0094%	(3,161,987)	43,769
2018	April	4,357,763	72.7130507%	3,168,662	4,898,653	65.0094%	(3,184,586)	(15,923)
2018	May	1,949,686	72.7130507%	1,417,676	4,283,009	65.0094%	(2,784,359)	(1,366,683)
2018	June	9,594,979	72.7130507%	6,976,802	6,106,131	65.0094%	(3,969,560)	3,007,241
2018	July	7,017,359	72.7130507%	5,102,536	7,009,187	65.0094%	(4,556,632)	545,904
2018	August	8,991,684	72.7130507%	6,538,128	6,449,559	65.0094%	(4,192,821)	2,345,307
2018	September	4,496,588	72.7130507%	3,269,606	6,922,525	65.0094%	(4,500,293)	(1,230,687)
2018	October	7,847,725	72.7130507%	5,706,320	4,890,719	65.0094%	(3,179,428)	2,526,893
2018	November	7,870,683	72.7130507%	5,723,014	4,520,378	65.0094%	(2,938,671)	2,784,343
2018	December	10,497,084	72.7130507%	7,632,750	10,538,080	65.0094%	(6,850,745)	782,005
		77,331,818		56,230,324	70,458,658			10,425,561

EE Program Costs	56,230,326
EE Revenue Requirement	86,495,661
% Revenue related to Program Costs	65.0094%

		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
NC Residential EE		<div>2018</div> <div>7.29%</div> <div>6.83%</div> <div>0.766497</div>									
2018	January	2,242,355	0.236149	529,530	529,530	1,712,825	0.006075	5,203	5,203	0.766497	6,788
2018	February	1,003,391	0.236149	(292,580)	236,950	766,441	0.006075	7,531	12,733	0.766497	16,613
2018	March	1,047,161	0.236149	10,336	247,286	799,875	0.006075	4,758	17,491	0.766497	22,820
2018	April	1,031,237	0.236149	(3,760)	243,526	787,712	0.006075	4,822	22,313	0.766497	29,111
2018	May	(335,445)	0.236149	(322,741)	(79,215)	(256,230)	0.006075	1,614	23,928	0.766497	31,217
2018	June	2,671,796	0.236149	710,157	630,942	2,040,854	0.006075	5,421	29,349	0.766497	38,289
2018	July	3,217,700	0.236149	128,915	759,857	2,457,843	0.006075	13,665	43,013	0.766497	56,117
2018	August	5,563,007	0.236149	553,842	1,313,699	4,249,308	0.005692	19,087	62,101	0.766497	81,019
2018	September	4,332,320	0.236149	(290,625)	1,023,073	3,309,247	0.005692	21,510	83,611	0.766497	109,082
2018	October	6,859,213	0.236149	596,723	1,619,796	5,239,417	0.005692	24,328	107,939	0.766497	140,822
2018	November	9,643,555	0.236149	657,520	2,277,316	7,366,239	0.005692	35,874	143,813	0.766497	187,624
2018	December	10,425,561	0.236149	184,670	2,461,986	7,963,575	0.005692	43,626	187,439	0.766497	244,540
								187,439			244,540

Note 1: Amounts represent all revenue actually collected through 2018.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Residential DSM Programs Vintage 2018

NC Residential EE		Residential EE Program Costs	NC Allocation %	NC Allocated EE Program Costs	NC Residential Revenue Collected	NC Residential EE Program Collection %	EE Program Costs Revenue Collected	(Over)/Under Collection
		Incurred		Miller Exhibit 5 pg. 4, Line 9				
				see calc. at right				
2018	January	1,796,566	32.1574721%	577,730	629,131	78.9680%	(496,812)	80,919
2018	February	1,530,759	32.1574721%	492,253	1,236,115	78.9680%	(976,135)	(483,881)
2018	March	1,744,325	32.1574721%	560,931	909,370	78.9680%	(718,111)	(157,180)
2018	April	1,806,257	32.1574721%	580,847	915,869	78.9680%	(723,243)	(142,396)
2018	May	1,425,924	32.1574721%	458,541	800,766	78.9680%	(632,349)	(173,807)
2018	June	3,051,553	32.1574721%	981,302	1,141,623	78.9680%	(901,517)	79,786
2018	July	3,527,230	32.1574721%	1,134,268	1,310,462	78.9680%	(1,034,845)	99,423
2018	August	3,581,196	32.1574721%	1,151,622	1,205,832	78.9680%	(952,221)	199,402
2018	September	4,029,852	32.1574721%	1,295,899	1,294,259	78.9680%	(1,022,050)	273,849
2018	October	3,506,777	32.1574721%	1,127,691	914,386	78.9680%	(722,072)	405,619
2018	November	1,643,444	32.1574721%	528,490	845,145	78.9680%	(667,394)	(138,904)
2018	December	2,765,522	32.1574721%	889,322	1,970,236	78.9680%	(1,555,855)	(666,533)
		30,409,405		9,778,896	13,173,193		(10,402,600)	(623,705)

DSM Program Costs	9,778,895
DSM Revenue Requirement	12,383,372
% Revenue related to Program Costs	78.9680%

NC Residential EE		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018									
							7.29%			0.766497	
							6.83%				
2018	January	80,919	0.236149	19,109	19,109	61,810	0.006075	188	188	0.766497	245
2018	February	(402,963)	0.236149	(114,268)	(95,159)	(307,803)	0.006075	(747)	(559)	0.766497	(730)
2018	March	(560,143)	0.236149	(37,118)	(132,277)	(427,865)	0.006075	(2,235)	(2,794)	0.766497	(3,645)
2018	April	(702,539)	0.236149	(33,627)	(165,904)	(536,635)	0.006075	(2,930)	(5,724)	0.766497	(7,467)
2018	May	(876,346)	0.236149	(41,044)	(206,948)	(669,398)	0.006075	(3,663)	(9,387)	0.766497	(12,247)
2018	June	(796,561)	0.236149	18,841	(188,107)	(608,454)	0.006075	(3,881)	(13,269)	0.766497	(17,311)
2018	July	(697,137)	0.236149	23,479	(164,628)	(532,509)	0.006075	(3,466)	(16,734)	0.766497	(21,832)
2018	August	(497,736)	0.236149	47,088	(117,540)	(380,196)	0.006075	(2,772)	(19,507)	0.766497	(25,449)
2018	September	(223,887)	0.236149	64,669	(52,871)	(171,016)	0.005692	(1,569)	(21,075)	0.766497	(27,495)
2018	October	181,732	0.236149	95,787	42,916	138,816	0.005692	(92)	(21,167)	0.766497	(27,615)
2018	November	42,828	0.236149	(32,802)	10,114	32,714	0.005692	488	(20,679)	0.766497	(26,978)
2018	December	(623,705)	0.236149	(157,401)	(147,287)	(476,417)	0.005692	(1,263)	(21,941)	0.766497	(28,626)
								(21,941)			(28,626)

Note 1: Amounts represent all revenue actually collected through 2018.

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Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Non- Residential EE Programs Vintage 2018

NC Non- Residential EE		Non-Residential EE Program Costs	NC Allocation %	NC Allocated EE Program Costs	NC Residential Revenue Collected	NC Non- Residential EE Program Collection %	Non-Residential EE Program Costs Revenue Collected	(Over)/Under Collection
		Incurred						
		Miller Exhibit 5, pg 4, Line 4			See calc. at right			
2018	January	4,673,061	72.7130507%	3,397,925	1,957,913	54.3089677%	(1,063,322)	2,334,603
2018	February	7,695,239	72.7130507%	5,595,443	4,028,107	54.3089677%	(2,187,623)	3,407,820
2018	March	3,924,553	72.7130507%	2,853,662	3,609,259	54.3089677%	(1,960,151)	893,511
2018	April	3,329,880	72.7130507%	2,421,257	3,808,504	54.3089677%	(2,068,359)	352,898
2018	May	3,622,228	72.7130507%	2,633,832	3,892,120	54.3089677%	(2,113,770)	520,062
2018	June	3,399,916	72.7130507%	2,472,183	4,770,029	54.3089677%	(2,590,554)	(118,371)
2018	July	4,064,438	72.7130507%	2,955,377	4,861,345	54.3089677%	(2,640,146)	315,231
2018	August	3,790,914	72.7130507%	2,756,489	4,804,248	54.3089677%	(2,609,138)	147,352
2018	September	3,217,141	72.7130507%	2,339,281	5,326,524	54.3089677%	(2,892,780)	(553,499)
2018	October	3,753,904	72.7130507%	2,729,578	5,686,288	54.3089677%	(3,088,164)	(358,586)
2018	November	3,782,445	72.7130507%	2,750,331	3,774,427	54.3089677%	(2,049,852)	700,479
2018	December	6,010,729	72.7130507%	4,370,584	5,480,038	54.3089677%	(2,976,152)	1,394,432
		51,264,448		37,275,944	51,998,801		(28,240,012)	9,035,932

Non-Res EE Program Costs	37,275,944
Non-Res EE Revenue Requirement	68,636,812
% Revenue related to Program Costs	54%

NC Non-Residential EE		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
			2018								
							7.29%			0.766497	
							6.83%				
2018	January	2,334,603	0.236149	551,314.18	551,314	1,783,289	0.006075	5,417	5,417	0.766497	7,067
2018	February	5,742,423	0.236149	804,753.18	1,356,067	4,386,355	0.006075	18,740	24,157	0.766497	31,516
2018	March	6,635,934	0.236149	211,001.75	1,567,069	5,068,865	0.006075	28,720	52,877	0.766497	68,986
2018	April	6,988,832	0.236149	83,336.56	1,650,406	5,338,426	0.006075	31,612	84,489	0.766497	110,228
2018	May	7,508,894	0.236149	122,812.19	1,773,218	5,735,676	0.006075	33,638	118,127	0.766497	154,113
2018	June	7,390,523	0.236149	(27,953.21)	1,745,265	5,645,258	0.006075	34,570	152,697	0.766497	199,214
2018	July	7,705,754	0.236149	74,441.40	1,819,706	5,886,048	0.006075	35,026	187,723	0.766497	244,910
2018	August	7,853,105	0.236149	34,796.93	1,854,503	5,998,602	0.005692	33,822	221,545	0.766497	289,035
2018	September	7,299,607	0.236149	(130,708.16)	1,723,795	5,575,812	0.005692	32,939	254,484	0.766497	332,008
2018	October	6,941,021	0.236149	(84,679.72)	1,639,115	5,301,906	0.005692	30,956	285,440	0.766497	372,395
2018	November	7,641,499	0.236149	165,417.36	1,804,532	5,836,967	0.005692	31,699	317,139	0.766497	413,751
2018	December	9,035,932	0.236149	329,293.83	2,133,826	6,902,106	0.005692	36,253	353,392	0.766497	461,049
								353,392			461,049

Note 1: Amounts represent all revenue actually collected through 2018.

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Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1192
Estimated Return Calculation - Non - Residential DSM Programs Vintage 2018

NC Non- Residential DSM		Total System NC DSM Program Costs Incurred	NC Non- Residential DSM Allocation %	NC Allocated DSM Non- Residential Program Costs	NC Non-Residential DSM Revenue Collected	NC Non- Residential DSM Program Collection %	Non-Residential DSM Program Costs Revenue Collected	(Over)/Under Collection
		See Miller Exhibit 5 pg. 4, Line 10						
2018	January	1,796,566	41.4712829%	745,059	517,085	78.9679563%	(408,332)	336,727
2018	February	1,530,759	41.4712829%	634,825	1,108,919	78.9679563%	(875,690)	(240,865)
2018	March	1,744,325	41.4712829%	723,394	976,678	78.9679563%	(771,263)	(47,869)
2018	April	1,806,257	41.4712829%	749,078	1,056,527	78.9679563%	(834,318)	(85,240)
2018	May	1,425,924	41.4712829%	591,349	1,064,087	78.9679563%	(840,288)	(248,939)
2018	June	3,051,553	41.4712829%	1,265,518	1,275,106	78.9679563%	(1,006,925)	258,593
2018	July	3,527,230	41.4712829%	1,462,788	1,327,182	78.9679563%	(1,048,049)	414,739
2018	August	3,581,196	41.4712829%	1,485,168	1,298,531	78.9679563%	(1,025,424)	459,744
2018	September	4,029,852	41.4712829%	1,671,231	1,432,259	78.9679563%	(1,131,025)	540,206
2018	October	3,506,777	41.4712829%	1,454,305	1,521,526	78.9679563%	(1,201,518)	252,788
2018	November	1,643,444	41.4712829%	681,557	1,048,352	78.9679563%	(827,863)	(146,305)
2018	December	2,765,522	41.4712829%	1,146,897	1,448,672	78.9679563%	(1,143,986)	2,911
		30,409,405		12,611,170	14,074,924		(11,114,680)	1,496,491

DSM Program Costs	12,611,170
DSM Revenue Requirement	15,969,985
% Revenue related to Program Costs	79%

NC Non-Residential DSM		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2018					7.29%			0.766497	
							6.83%				
2018	January	336,727	0.236149	79,518	79,518	257,209	0.006075	781	781	0.766497	1,019
2018	February	95,862	0.236149	(56,880)	22,638	73,224	0.006075	1,004	1,785	0.766497	2,329
2018	March	47,993	0.236149	(11,304)	11,334	36,660	0.006075	334	2,119	0.766497	2,764
2018	April	(37,247)	0.236149	(20,129)	(8,796)	(28,451)	0.006075	25	2,144	0.766497	2,797
2018	May	(286,185)	0.236149	(58,787)	(67,582)	(218,603)	0.006075	(750)	1,393	0.766497	1,818
2018	June	(27,592)	0.236149	61,067	(6,516)	(21,076)	0.006075	(728)	665	0.766497	868
2018	July	387,147	0.236149	97,940	91,424	295,722	0.006075	834	1,499	0.766497	1,956
2018	August	846,891	0.236149	108,568	199,993	646,899	0.005692	2,683	4,182	0.766497	5,456
2018	September	1,387,097	0.236149	127,569	327,562	1,059,536	0.005692	4,856	9,038	0.766497	11,792
2018	October	1,639,885	0.236149	59,696	387,257	1,252,628	0.005692	6,580	15,618	0.766497	20,376
2018	November	1,493,580	0.236149	(34,550)	352,707	1,140,872	0.005692	6,812	22,430	0.766497	29,263
2018	December	1,496,491	0.236149	687	353,395	1,143,096	0.005692	6,500	28,930	0.766497	37,743
								28,930			37,743

Note 1: Amounts represent all revenue actually collected through 2018.

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Duke Energy Carolinas, LLC
DSM/EE Actual Revenues Collected from Years 2015-2018 (By Vintage)
and Estimated 2019 Collections from revised forecast of Rider 10 (by Vintage)
Docket Number E-7, Sub 1192
For Vintage Year 2015-2019 Estimate and True Up Calculations

			Actual 2015 Rider 6	Actual 2016 Rider 7	Actual 2017 Rider 8	Actual 2018 Rider 9	Estimated 2019 Rider 10 ⁽¹⁾	Total
Residential								
Line	Vintage							
1	EE/DSM	Year 2015	58,227,163	4,026,042	10,183,996	8,311,657	(1,014,271)	79,734,588
2		Year 2016		58,184,868	5,570,022	27,108,101	(2,560,305)	88,302,686
3		Year 2017			61,914,541	4,435,871	35,770,078	102,120,490
4		Year 2018				83,631,851	6,294,025	89,925,876
5		Year 2019					77,019,869	77,019,869
6	Total Residential		\$ 58,227,163	\$ 62,210,909	\$ 77,668,559	\$ 123,487,480	\$ 115,509,396	\$ 437,103,508
Non-Residential								
7	EE	Year 2015	25,791,031	8,194,784	24,104,955	7,986,755	456,319	66,533,843
8		Year 2016		45,662,897	8,632,771	36,292,834	(2,329,721)	88,258,782
9		Year 2017			46,928,129	10,882,796	67,733,478	125,544,403
10		Year 2018				51,998,801	12,285,044	64,283,845
11		Year 2019					55,797,199	55,797,199
12	DSM	Year 2015	19,579,477	280,553	(2,398,768)	(515,157)	(451,445)	16,494,660
13		Year 2016		14,637,127	251,004	276,923	(267,721)	14,897,332
14		Year 2017			15,361,431	(1,084)	86,311	15,446,658
15		Year 2018				14,074,924	534,763	14,609,687
16		Year 2019					15,847,512	15,847,512
17	Total Non-Residential		\$ 45,370,507	\$ 68,775,361	\$ 92,879,523	\$ 120,996,791	\$ 149,691,739	\$ 477,713,921
18	Total Revenue		\$ 103,597,671	\$ 130,986,270	\$ 170,548,082	\$ 244,484,271	\$ 265,201,135	\$ 914,817,429

⁽¹⁾ Rider 10 estimates are based on Order issued in Docket No. E-7 Sub 1164 dated 9/11/18

Duke Energy Carolinas, LLC
 Vintage Year 2015 Allocation Factors for the Period January 1, 2015 to December 31, 2015
 Docket Number E-7, Sub 1192
 Allocation Factors

			<u>MWH</u>		
Line	New Mechanism Sales Allocator at Generator				
1	NC Retail MWH Sales Allocation	Company Records	59,567,575		
2	SC Retail MWH Sales Allocation	Company Records	22,080,529		
3	Total Retail	Line 1 + Line 2	81,648,104		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	72.9564706%		
Demand Allocators					
			<u>NC</u>	<u>SC</u>	<u>Total</u>
5	Residential	Company Records	4,994,057	1,469,714	6,463,771
6	Non Residential	Company Records	6,518,371	2,373,858	8,892,229
7	Total	Line 5 + Line 6	11,512,428	3,843,572	15,356,000
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	74.9702266%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	32.5218612%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	42.4483655%		

Duke Energy Carolinas, LLC
Vintage Year 2016 Allocation Factors for the Period January 1, 2016 to December 31, 2016
Docket Number E-7, Sub 1192
Allocation Factors

			<u>MWH</u>			
Line	New Mechanism Sales Allocator at Generator					
1	NC Retail MWH Sales Allocation	Company Records	60,762,752			
2	SC Retail MWH Sales Allocation	Company Records	22,364,255			
3	Total Retail	Line 1 + Line 2	83,127,007			
	Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	73.0962827%			
	Demand Allocators					
			<u>NC</u>	<u>SC</u>	<u>Total</u>	
5	Residential	Company Records	5,403,520	1,714,752	7,118,272	
6	Non Residential	Company Records	6,525,765	2,343,963	8,869,728	
7	Total	Line 5 + Line 6	11,929,285	4,058,715	15,988,000	
	Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	74.6139917%			
	Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	33.7973480%			
10	NC Non-residential	Line 6 NC/ Line 7 Total	40.8166437%			

Duke Energy Carolinas, LLC
 Vintage Year 2017 Allocation Factors for the Period January 1, 2017 - December 31, 2017
 Docket Number E-7, Sub 1192
 Allocation Factors

			MWH		
Line	New Mechanism Sales Allocator at Generator				
1	NC Retail MWH Sales Allocation	Company Records	60,219,051		
2	SC Retail MWH Sales Allocation	Company Records	22,489,484		
3	Total Retail	Line 1 + Line 2	82,708,535		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	72.8087506%		
Demand Allocators					
			NC	SC	Total
5	Residential	Company Records	5,545,784	1,803,958	7,349,742
6	Non Residential	Company Records	6,573,854	2,480,404	9,054,258
7	Total	Line 5 + Line 6	12,119,638	4,284,362	16,404,000
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	73.8822117%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	33.8075104%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	40.0747013%		

Duke Energy Carolinas, LLC
DSM/EE Cost Recovery Rider 11
Docket Number E-7 Sub 1192
Forecasted 2020 kWh Sales for Rate Period for Vintage Years 2015-2020

Fall 2018 Sales Forecast - kWhs

Forecasted 2020 sales

North Carolina Retail:

Line

1	Residential	21,487,301,475
2	Non-Residential	35,668,140,542
3	Total Retail	57,155,442,017

NC Opt Out Sales

		Total Usage	Revised Opt-Outs	Net Usage
	Vintage 2015 Actual Opt Out			
4	EE	35,668,140,542	17,296,168,323	18,371,972,219
5	DSM	35,668,140,542	17,254,905,530	18,413,235,012
	Vintage 2016 Actual Opt Out			
6	EE	35,668,140,542	17,541,642,770	18,126,497,772
7	DSM	35,668,140,542	17,501,309,036	18,166,831,506
	Vintage 2017 Actual Opt Out			
8	EE	35,668,140,542	17,749,899,702	17,918,240,840
9	DSM	35,668,140,542	17,532,357,862	18,135,782,680
	Vintage 2018 Estimated Opt Out			
10	EE	35,668,140,542	18,347,183,120	17,320,957,422
11	DSM	35,668,140,542	17,611,595,199	18,056,545,344
	Vintage 2019 Estimated Opt Out			
12	EE	35,668,140,542	18,483,624,730	17,184,515,812
13	DSM	35,668,140,542	17,568,801,199	18,099,339,344
	Vintage 2020 Estimated Opt Out			
14	EE	35,668,140,542	18,483,624,730	17,184,515,812
15	DSM	35,668,140,542	17,568,801,199	18,099,339,344

Evans Exhibit 1 pg. 1
NO CHANGESDuke Energy Carolinas, LLC
Vintage 2015 Actual for January 1, 2015 to December 31, 2015
Docket Number E-7, Sub 1192
Load Impacts and Estimated Revenue Requirements, excluding Lost Revenue by Program

		A		B		C		D= B+C		E NC Retail kWh Sales Allocation Factor (Miller Exhibit 5 pg. 1)		NC Residential Revenue Requirement
Residential Programs		System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	System Cost	Earned Utility Incentive	System Cost Plus Incentive					D * E
EE Programs												
1	Appliance Recycling Program	748	5,534,546	\$ 1,901,321	\$ 1,537,241	\$ 41,869	\$ 1,579,111		72.9564706%		\$	1,152,063
2	Energy Efficiency Education	830	4,417,898	\$ 2,498,417	\$ 2,054,672	\$ 51,031	\$ 2,105,702		72.9564706%		\$	1,536,246
3	Energy Efficient Appliances and Devices	14,743	129,350,071	\$ 49,525,402	\$ 12,050,485	\$ 4,309,616	\$ 16,360,100		72.9564706%		\$	11,935,752
4	HVAC Energy Efficiency	2,663	4,763,631	\$ 6,816,479	\$ 5,416,833	\$ 160,959	\$ 5,577,792		72.9564706%		\$	4,069,360
5	Income Qualified Energy Efficiency and Weatherization Assistance	608	3,125,184	\$ 1,854,068	\$ 2,238,776	\$ -	\$ 2,238,776		72.9564706%		\$	1,633,332
6	Multi-Family Energy Efficiency	1,339	13,988,109	\$ 7,431,163	\$ 2,092,935	\$ 613,896	\$ 2,706,831		72.9564706%		\$	1,974,808
7	Energy Assessments	1,275	10,293,765	\$ 10,115,222	\$ 3,086,173	\$ 808,341	\$ 3,894,514		72.9564706%		\$	2,841,300
8	Subtotal	22,205	171,473,205	\$ 80,142,073	\$ 28,477,114	\$ 5,985,712	\$ 34,462,825				\$	25,142,861
9	My Home Energy Report (1)	61,770	228,776,428	\$ 16,583,325	\$ 9,845,895	\$ 774,805	\$ 10,620,699		72.9564706%		\$	7,748,487
10	Total for Residential Energy Efficiency Programs	83,975	400,249,633	\$ 96,725,398	\$ 38,323,008	\$ 6,760,516	\$ 45,083,525				\$	32,891,348
									NC Residential Peak Demand Allocation Factor (Miller Exhibit 5 pg. 1)			D11* E11
11	Total DSM Programs (2)	871,944	18,374	101,113,558	\$ 31,958,782	\$ 7,952,799	\$ 39,911,582		32.5218612%		\$	12,979,989
12	Total Residential Revenue Requirement										\$	45,871,337
												NC Non-Residential Revenue Requirement
Non-Residential Programs		System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	System Cost	Earned Utility Incentive	System Cost Plus Incentive		NC Retail kWh Sales Allocation Factor (Miller Exhibit 5 pg. 1)			D * E
EE Programs												
13	Non Residential Smart Saver Custom Energy Assessments	87	765,303	\$ 321,686	\$ 660,420	\$ (38,954)	\$ 621,465		72.9564706%		\$	453,399
14	Non Residential Smart Saver Custom	11,108	76,142,627	53,882,448	9,932,877	5,054,201	14,987,078		72.9564706%			10,934,043
15	Non Residential Smart Saver Energy Efficient Food Service Products	140	1,672,329	1,099,734	194,425	104,111	298,535		72.9564706%			217,801
16	Non Residential Smart Saver Energy Efficient HVAC Products	1,611	5,405,220	6,221,217	1,142,522	584,050	1,726,572		72.9564706%			1,259,646
17	Non Residential Smart Saver Energy Efficient Lighting Products	11,523	67,083,512	42,227,035	11,335,798	3,552,492	14,888,290		72.9564706%			10,861,971
18	Non Residential Smart Saver Energy Efficient Pumps and Drives Products	423	3,354,574	1,924,058	466,478	167,622	634,100		72.9564706%			462,617
19	Non Residential Smart Saver Energy Efficient IT Products	540	5,196,710	1,130,386	716,542	47,592	764,134		72.9564706%			557,485
20	Non Residential Smart Saver Energy Efficient Process Equipment Products	112	630,354	517,342	88,823	49,280	138,103		72.9564706%			100,755
21	Small Business Energy Saver	14,417	77,515,622	47,989,975	13,968,790	3,912,436	17,881,226		72.9564706%			13,045,511
22	Smart Energy in Offices	3,109	14,938,552	1,666,306	1,463,240	23,353	1,486,592		72.9564706%			1,084,565
23	Business Energy Report	-	-	-	126,404	-	126,404		72.9564706%			92,220
24	Total for Non-Residential Energy Efficiency Programs	43,072	252,704,804	\$ 156,980,188	\$ 40,096,318	\$ 13,456,181	\$ 53,552,499					39,070,014
									NC Non-Residential Peak Demand Allocation Factor (Miller Exhibit 5 pg. 1)			D23* E23
25	Total DSM Programs(2)	871,944	18,374	\$ 101,113,558	\$ 31,958,782	\$ 7,952,799	\$ 39,911,582		42.4483655%		\$	16,941,814
26	Total Non-Residential Revenue Requirement										\$	56,011,828
												NC Retail Peak Demand Allocation Factor (Miller Exhibit 5 pg. 1)
Total DSM Program Breakdown												D28* E28
27	Power Manager (Residential)	454,663	-	\$ 52,718,688	\$ 14,634,279	\$ 4,379,707	\$ 19,013,986		-			
28	EnergyWise for Business	6	18,374	\$ 11,248	\$ 1,549,305	\$ (176,876)	\$ 1,372,428		-			
29	Power Share CallOption (Non-Residential)	-	-	\$ -	\$ -	\$ -	\$ -		-			
30	Power Share (Non-Residential)	417,276	-	\$ 48,383,622	\$ 15,779,050	\$ 3,749,526	\$ 19,528,576		-			
31	Disallowed Costs from 2015 Program Costs Audit (Order E-7 Sub 1105, dated 8/25/16)	-	-	\$ -	\$ (3,851)	\$ 443	\$ (3,408)		-			
32	Total DSM	871,944	18,374	101,113,558	31,958,782	7,952,799	39,911,582		74.9702266%		\$	29,921,803

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

Residential Programs

EE Programs

11 **Total DSM Programs (2)**
12 **Total Residential Revenue Requirement**

13	Non Residential Smart Saver Custom Energy Assessments	1,584	16,953,402	\$	9,572,687	\$	2,034,308	\$	866,914	\$	2,901,222	73.0962827%	\$	2,120,685
14	Non Residential Smart Saver Custom	7,934	52,154,624		39,025,086		7,356,509		3,629,838		10,986,347	73.0962827%		8,030,611
15	Non Residential Smart Saver Energy Efficient Food Service Products	356	3,809,316		2,474,312		324,117		247,272		571,389	73.0962827%		417,664
16	Non Residential Smart Saver Energy Efficient HVAC Products	808	3,316,901		3,344,669		1,473,991		215,128		1,689,119	73.0962827%		1,234,683
17	Non Residential Smart Saver Energy Efficient Lighting Products	29,268	167,342,422		120,392,639		39,622,944		9,288,515		48,911,459	73.0962827%		35,752,458
18	Non Residential Smart Saver Energy Efficient Pumps and Drives Products	368	2,494,340		1,574,965		471,930		126,849		598,779	73.0962827%		437,685
19	Non Residential Smart Saver Energy Efficient IT Products	107	2,462,027		777,601		285,430		56,600		342,030	73.0962827%		250,011
20	Non Residential Smart Saver Energy Efficient Process Equipment Products	50	313,131		279,184		125,947		17,622		143,569	73.0962827%		104,944
21	Non Residential Smart Saver Performance Incentive	-	-		-		35,670		(4,102)		31,568	73.0962827%		23,075
22	Small Business Energy Saver	16,110	85,687,928		55,685,830		15,360,852		4,637,372		19,998,224	73.0962827%		14,617,959
23	Smart Energy in Offices	3,505	16,842,267		1,843,559		1,061,729		89,311		1,151,640	73.0962827%		841,806
24	Business Energy Report	388	5,561,349		302,497		263,169		-		263,169	73.0962827%		192,367
25	Total for Non-Residential Energy Efficiency Programs	60,480	356,937,707	\$	235,273,030	\$	68,416,596	\$	19,171,918	\$	87,588,514		\$	64,023,948

26 **Total DSM Programs(2)**
27 **Total Non-Residential Revenue Requirement**

(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Carolinas, LLC
Vintage 2017 Actual for January 1, 2017 to December 31, 2017
Docket Number E-7, Sub 1192
Load Impacts and Estimated Revenue Requirements, excluding Lost Revenue by Program

										A		B		C = (A-B) *11.5%		D= B+C		E		NC Residential Revenue Requirement	
										System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	System Cost	Earned Utility Incentive	System Cost Plus Incentive	NC Retail kWh Sales Allocation Factor (Miller Exhibit 5 pg. 3)	D * E				
Residential Programs																		filed			
EE Programs																					
1 Appliance Recycling Program										-	-	\$ -	\$ 5,307	\$ (610)	\$ 4,697	72.8087506%	\$ 3,420	3,420	\$ -		
2 Energy Efficiency Education										1,393	5,932,086	3,597,724	2,077,611	174,813	2,252,424	72.8087506%	1,639,962	1,639,962	\$ -		
3 Energy Efficient Appliances and Devices										24,605	137,909,103	105,352,687	30,340,728	8,626,375	38,967,103	72.8087506%	28,371,461	28,349,055	\$ 22,406		
4 Residential – Smart Saver Energy Efficiency Program										1,850	6,712,977	7,287,263	7,403,327	(13,347)	7,389,980	72.8087506%	5,380,552	5,392,412	\$ (11,859)		
5 Income Qualified Energy Efficiency and Weatherization Assistance										771	5,341,624	3,185,867	5,505,992	3,185,867	5,505,992	72.8087506%	4,008,844	4,008,844	\$ -		
6 Multi-Family Energy Efficiency										2,056	19,038,529	13,339,656	3,168,422	1,192,692	4,361,114	72.8087506%	3,175,272	3,175,272	\$ 17,895		
7 Energy Assessments										1,040	7,720,549	6,602,773	2,909,098	424,773	3,333,871	72.8087506%	2,427,350	2,427,324	\$ 26		
8 Subtotal										31,715	182,654,868	\$ 139,565,970	\$ 51,410,486	\$ 10,404,695	\$ 61,815,181		\$ 45,006,861	44,978,394	\$ 28,468		
9 My Home Energy Report (1)										79,070	311,368,855	21,728,369	13,812,250	910,354	14,722,603	72.8087506%	10,719,344	10,719,344	\$ -		
10 Total for Residential Energy Efficiency Programs										110,786	494,023,724	\$ 161,294,339	\$ 65,222,736	\$ 11,515,049	\$ 76,537,785		\$ 55,726,205	55,697,737	\$ 28,468		

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage

(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Carolinas, LLC
Vintage 2018 Actual for January 1, 2018 to December 31, 2018
Docket Number E-7, Sub 1192
Load Impacts and Estimated Revenue Requirements, excluding Lost Revenue by Program

		A		B		C = (A-B) *11.5%		D= B+C		E		NC Residential Revenue Requirement	
Residential Programs		System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	System Cost	Earned Utility Incentive		System Cost Plus Incentive		NC Retail kWh Sales Allocation Factor (Miller Exhibit 5 pg. 4)		D * E	
EE Programs													
1	Appliance Recycling Program	-	-	\$ -	\$ -	\$ -		\$ -		72.7130507%	\$ -	-	-
2	Energy Efficiency Education	1,148	4,889,354	2,713,620	1,992,260	82,956		2,075,216		72.7130507%	1,508,953	1,508,737.68	215.35
3	Energy Efficient Appliances and Devices	32,802	195,212,962	135,814,400	42,687,244	10,709,623		53,396,867		72.7130507%	38,826,491	38,776,752.70	49,738.08
4	Residential – Smart Saver Energy Efficiency Program	1,640	6,367,174	7,086,486	6,955,146	15,104		6,970,250		72.7130507%	5,068,281	5,083,653.86	(15,372.37)
5	Income Qualified Energy Efficiency and Weatherization Assistance	725	5,211,991	3,497,900	6,490,735	-		6,490,735		72.7130507%	4,719,611	4,718,972.27	638.91
6	Multi-Family Energy Efficiency	2,303	21,288,673	13,853,384	3,604,921	1,178,562		4,783,483		72.7130507%	3,478,216	3,460,674.11	17,542.37
7	Energy Assessments	929	7,716,668	5,754,998	2,836,229	335,658		3,171,887		72.7130507%	2,306,376	2,305,984.01	391.83
8	Subtotal	39,546	240,686,821	\$ 168,720,688	\$ 64,566,534	\$ 12,321,904		\$ 76,888,438			\$ 55,907,929	55,854,774.62	53,154.17
9	My Home Energy Report (1)	81,409	320,613,567	21,204,651	12,765,286	970,527		13,735,813		72.7130507%	9,987,729	10,299,850.14	(312,121.54)
10	Total for Residential Energy Efficiency Programs	120,956	561,300,388	\$ 189,925,339	\$ 77,331,820	\$ 13,292,431		\$ 90,624,251			\$ 65,895,657	66,154,624.76	(258,967.36)
												NC Residential Peak Demand Allocation Factor (Miller Exhibit 5 pg. 4)	
												D11* E11	
11	SubTotal DSM Programs (2)	876,165	2,498,948	100,367,844	\$ 30,409,403	\$ 8,045,221		\$ 38,454,624		32.1574721%	\$ 12,366,035	12,364,728.40	1,306.62
12	Total DSM Programs										\$ 12,366,035	12,364,728.40	1,306.62
13	Total Residential Revenue Requirement										\$ 78,261,692	78,519,353.16	(257,660.75)
												NC Non-Residential Revenue Requirement	
Non-Residential Programs		System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	System Cost	Earned Utility Incentive		System Cost Plus Incentive		NC Retail kWh Sales Allocation Factor (Miller Exhibit 5 pg. 4)		D * E	
EE Programs													
14	Non Residential Smart Saver Custom Energy Assessments	13	83,588	\$ 67,284	\$ 407,293	\$ (39,101)		\$ 368,192		72.7130507%	\$ 267,724	267,694.54	29.37
15	Non Residential Smart Saver Custom	4,054	30,333,040	23,314,525	6,068,902	1,983,247		8,052,148		72.7130507%	5,854,963	5,854,139.57	823.09
16	Non Residential Smart Saver Energy Efficient Food Service Products	106	1,151,114	741,344	235,605	58,160		293,765		72.7130507%	213,605	213,575.08	30.22
17	Non Residential Smart Saver Energy Efficient HVAC Products	893	2,908,386	2,809,366	1,620,748	136,691		1,757,439		72.7130507%	1,277,888	1,277,730.60	156.98
18	Non Residential Smart Saver Energy Efficient Lighting Products	31,537	178,360,156	146,553,308	25,872,380	13,878,307		39,750,687		72.7130507%	28,903,937	28,899,532.49	4,404.42
19	Non Residential Smart Saver Energy Efficient Pumps and Drives Products	421	2,669,016	1,617,233	277,785	154,036		431,822		72.7130507%	313,991	313,942.46	48.17
20	Non Residential Smart Saver Energy Efficient IT Products	-	17,639	3,024	36,875	(3,893)		32,982		72.7130507%	23,982	23,979.66	2.61
21	Non Residential Smart Saver Energy Efficient Process Equipment Products	75	331,222	226,654	67,509	18,302		85,811		72.7130507%	62,396	62,387.05	8.66
22	Non Residential Smart Saver Performance Incentive	168	3,271,186	1,671,227	479,610	137,036		616,646		72.7130507%	448,382	448,317.20	64.92
23	Small Business Energy Saver	13,374	76,696,523	46,818,065	15,977,993	3,546,608		19,524,601		72.7130507%	14,196,933	14,194,996.84	1,936.48
24	Smart Energy in Offices	310	1,488,592	143,239	219,748	(8,799)		210,949		72.7130507%	153,388	153,373.14	14.44
25	Business Energy Report	-	-	-	-	-		-		72.7130507%	-	-	-
26	Sub-Total for Non-Residential Energy Efficiency Programs	50,950	297,310,461	\$ 223,965,268	\$ 51,264,448	\$ 19,860,594		\$ 71,125,042			\$ 51,717,188	51,709,668.63	7,519.34
27	Total for Non-Residential Energy Efficiency Programs										\$ 51,717,188	51,709,668.63	7,519.34
												NC Non-Residential Peak Demand Allocation Factor (Miller Exhibit 5 pg. 4)	
												D24*E24	
28	Total DSM Programs(2)	876,165	2,498,948	\$ 100,367,844	\$ 30,409,403	\$ 8,045,221		\$ 38,454,624		41.4712829%	\$ 15,947,626	15,945,940.88	1,685.06
29	Total Non-Residential DSM Programs										\$ 15,947,626	15,945,940.88	1,685.06
30	Total Non-Residential Revenue Requirement										\$ 67,664,814	67,655,609.51	9,204.40
												NC Retail Peak Demand Allocation Factor (Miller Exhibit 5 pg. 4)	
												D29* E29	
31	Power Manager (Residential)	535,418	-	\$ 62,147,591	\$ 14,423,610	\$ 5,488,258		\$ 19,911,868		-	-	-	-
32	EnergyWise for Business (Non-Residential)	8,117	2,498,948	\$ 2,235,498	\$ 3,062,816	\$ (95,142)		\$ 2,967,675		-	-	-	-
33	Power Share CallOption (Non-Residential)	-	-	\$ -	-	\$ -		\$ -		-	-	-	-
34	Power Share (Non-Residential)	332,631	-	\$ 35,984,754	\$ 12,922,977	\$ 2,652,104		\$ 15,575,082		-	-	-	-
35	Total DSM	876,165	2,498,948	\$ 100,367,844	\$ 30,409,403	\$ 8,045,221		\$ 38,454,624		73.6287551%	\$ 28,313,661	28,310,669.00	2,992.00

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

Supplemental Evans Exhibit 1, page 5

Duke Energy Carolinas, LLC
Vintage 2020 Estimate for January 1, 2020 to December 31, 2020
Docket Number E-7, Sub 1192
Load Impacts and Estimated Revenue Requirements, excluding Lost Revenue by Program

			A	B	C = (A-B) *11.5%	D= B+C	E	NC Residential Revenue Requirement	Original	Difference
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Cost	System Cost	Earned Utility Incentive	System Cost Plus Incentive	NC Retail kWh Sales Allocation Factor (Miller Exhibit 5 pg. 4)	D * E		
Residential Programs										
EE Programs										
1 Appliance Recycling Program	-	-	\$ 3,268,716	\$ -	\$ -	\$ -	72.7130507%	\$ -	-	-
2 Energy Efficiency Education	1,652	7,034,771	-	2,621,628	74,415	2,696,043	72.7130507%	1,960,375	1,960,375	-
3 Energy Efficient Appliances and Devices	10,988	47,538,836	28,215,962	9,114,148	2,196,709	11,310,857	72.7130507%	8,224,469	8,224,469	10,466
4 Residential – Smart Saver Energy Efficiency Program	2,714	10,276,853	9,334,114	7,663,598	192,109	7,855,707	72.7130507%	5,712,125	5,722,540	(10,415)
5 Income Qualified Energy Efficiency and Weatherization Assistance	653	4,245,993	1,694,957	8,689,280	-	8,689,280	72.7130507%	6,318,240	6,318,240	-
6 Multi-Family Energy Efficiency	2,146	20,180,190	10,272,645	3,613,126	765,845	4,378,970	72.7130507%	3,184,083	3,171,673	12,410
7 Energy Assessments	725	6,119,618	3,579,246	2,795,258	90,159	2,885,417	72.7130507%	2,098,075	2,098,075	-
8 Subtotal	18,877	95,396,261	\$ 56,365,639	\$ 34,497,038	\$ 3,319,236	\$ 37,816,274	-	\$ 27,497,367	27,484,906	12,461
9 My Home Energy Report (1)	77,745	306,337,865	20,734,326	11,645,405	1,045,226	12,690,631	72.7130507%	9,227,745	9,227,745	-
10 Total for Residential Energy Efficiency Programs	96,623	401,734,126	\$ 77,099,965	\$ 46,142,443	\$ 4,364,462	\$ 50,506,906	-	\$ 36,725,112	36,712,651	12,461
NC Residential Peak Demand Allocation Factor (Miller Exhibit 5 pg. 4)										
								D11* E11		#VALUE!
11 SubTotal DSM Programs (2)	976,260	2,557,590	124,330,187	\$ 38,073,241	\$ 9,919,549	\$ 47,992,790	32.1574721%	\$ 15,433,268	15,433,268	-
12 Total DSM Programs								15,433,268	15,433,268	-
13 Total Residential Revenue Requirement								\$ 52,158,380	52,145,919	12,461
Non-Residential Programs										
EE Programs										
14 Non Residential Smart Saver Custom Energy Assessments	908	7,950,216	\$ 4,114,401	\$ 1,414,676	\$ 310,468	\$ 1,725,144	72.7130507%	\$ 1,254,405	1,254,405	-
15 Non Residential Smart Saver Custom	7,658	67,082,262	34,716,460	10,756,254	2,755,424	13,511,678	72.7130507%	9,824,753	9,824,753	-
16 Non Residential Smart Saver Energy Efficient Food Service Products	288	4,363,034	1,802,593	1,435,926	52,517	1,488,443	72.7130507%	1,082,292	1,082,292	-
17 Non Residential Smart Saver Energy Efficient HVAC Products	756	2,546,698	2,005,587	1,358,750	74,386	1,433,137	72.7130507%	1,042,077	1,042,077	-
18 Non Residential Smart Saver Energy Efficient Lighting Products	23,878	131,137,431	87,238,062	21,546,401	7,554,541	29,100,942	72.7130507%	21,160,183	21,160,183	-
19 Non Residential Smart Saver Energy Efficient Pumps and Drives Products	730	4,603,201	2,264,861	653,139	185,348	838,487	72.7130507%	609,689	609,689	-
20 Non Residential Smart Saver Energy Efficient IT Products	-	323,520	40,508	71,858	(3,605)	68,253	72.7130507%	49,629	49,629	-
21 Non Residential Smart Saver Energy Efficient Process Equipment Products	85	547,055	348,206	172,146	20,247	192,393	72.7130507%	139,895	139,895	-
22 Non Residential Smart Saver Performance Incentive	2,797	22,097,800	11,816,217	3,810,989	920,601	4,731,590	72.7130507%	3,440,484	3,440,484	-
23 Small Business Energy Saver	8,756	50,048,128	27,132,368	10,638,607	1,896,783	12,535,390	72.7130507%	9,114,864	9,114,864	-
24 Smart Energy in Offices	-	-	-	-	-	-	72.7130507%	-	-	-
25 Business Energy Report	-	-	-	-	-	-	72.7130507%	-	-	-
26 Sub-Total for Non-Residential Energy Efficiency Programs	45,856	290,699,344	\$ 171,569,263	\$ 51,858,747	\$ 13,766,709	\$ 65,625,456	-	\$ 47,718,271	47,718,271	-
27 Total for Non-Residential Energy Efficiency Programs								\$ 47,718,271	47,718,271	-
NC Non-Residential Peak Demand Allocation Factor (Miller Exhibit 5 pg. 4)										
								D24*E24		#VALUE!
28 Total DSM Programs(2)	976,260	2,557,590	\$ 124,330,187	\$ 38,073,241	\$ 9,919,549	\$ 47,992,790	41.4712829%	\$ 19,903,226	19,903,226	-
29 Total Non-Residential DSM Programs								19,903,226	19,903,226	-
30 Total Non-Residential Revenue Requirement								\$ 67,621,497	67,621,497	-
Total DSM Program Breakdown										
31 Power Manager (Residential)	616,237	-	\$ 77,685,921	\$ 19,391,626	\$ 6,703,844	\$ 26,095,470	-	-	-	-
32 EnergyWise for Business (Non-Residential)	17,397	2,557,590	\$ 3,451,278	\$ 5,098,177	\$ (189,393)	\$ 4,908,784	-	-	-	-
33 Power Share CallOption (Non-Residential)	-	-	\$ -	\$ -	\$ -	\$ -	-	-	-	-
34 Power Share (Non-Residential)	342,625	-	\$ 43,192,988	\$ 13,583,438	\$ 3,405,098	\$ 16,988,536	-	-	-	-
35 Total DSM	976,260	2,557,590	\$ 124,330,187	\$ 38,073,241	\$ 9,919,549	\$ 47,992,790	73.6287551%	\$ 35,336,494	35,336,494	-

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintage

(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Total 2018
71,467,402Duke Energy Carolinas, LLC
For the Period January 1, 2018 - December 31, 2018
Docket Number E-7, Sub 1192
North Carolina Net Lost Revenue Estimates for Vintages 2015 - 2020

Line	Residential	Vintage 2015						Total
		2015	2016	2017 ^(a)	2018	2019	2020	
1	Residential Energy Assessments	\$ 283,798	\$ 477,738	\$ 473,182	\$ 163,880		\$	1,398,597
2	My Home Energy Report	10,047,270	-	-	-			10,047,270
3	Energy Efficient Appliances and Devices	3,690,771	6,169,123	6,116,216	2,163,569			18,139,680
4	HVAC Energy Efficiency	132,089	234,967	232,892	91,744			691,692
5	Appliance Recycle Program	150,786	279,840	277,098	115,671			823,394
6	Income Qualified Energy Efficiency and Weatherization Assistance	69,833	152,201	150,742	68,856			441,633
7	Multi-Family Energy Efficiency	336,658	681,177	676,879	285,091			1,979,805
8	Energy Efficiency Education	89,806	220,572	218,470	89,897			618,746
9	Total Lost Revenues	14,801,010	8,215,618	8,145,479	2,978,708			34,140,816
10	Found Residential Revenues *	-	-	-	-			-
11	Net Lost Residential Revenues	\$ 14,801,010	\$ 8,215,618	\$ 8,145,479	\$ 2,978,708		\$	34,140,816

\$ 2,978,708

Line	Non-Residential	Vintage 2015						Total
		2015	2016	2017 ^(a)	2018	2019	2020	
12	Nonresidential Smart Saver Custom Energy Assessments	\$ 5,659	\$ 22,194	\$ 21,744	\$ 12,719		\$	62,316
13	Non Residential Smart Saver Custom	1,432,898	2,477,128	2,416,373	830,053			7,156,453
14	Energy Management Information Services	-	-	-	-			-
15	Non Residential Smart Saver Energy Efficient Food Service Products	33,714	65,479	64,761	25,584			189,538
16	Non Residential Smart Saver Energy Efficient HVAC Products	109,819	196,207	193,346	73,963			573,335
17	Non Residential Smart Saver Energy Efficient Lighting Products	1,439,011	2,400,931	2,289,093	769,611			6,898,646
18	Non Residential Smart Saver Energy Efficient Pumps and Drives Products	51,265	82,153	80,494	25,843			239,755
19	Non Residential Smart Saver Energy Efficient IT Products	58,585	173,258	170,131	83,735			485,709
20	Non Residential Smart Saver Energy Efficient Process Equipment Products	14,723	25,414	24,674	8,676			73,487
21	Smart Business Energy Saver	1,832,775	3,599,216	3,572,716	1,515,918			10,520,625
22	Smart Energy in Offices	178,960	387,139	-	-			566,099
23	EnergyWise for Business	-	-	-	-			-
24	Total Lost Revenues	5,157,409	9,429,119	8,833,331	3,346,104			26,765,963
25	Found Non-Residential Revenues *	-	-	-	-			-
26	Net Lost Non-Residential Revenues	\$ 5,157,409	\$ 9,429,119	\$ 8,833,331	\$ 3,346,104		\$	26,765,963

\$ 3,346,104

Supplemental Evans Exhibit 2, page 2

Line	Residential	Vintage 2016						Total
		2015	2016	2017 ^(a)	2018	2019	2020	
27	Residential Energy Assessments		\$ 193,357	\$ 336,600	\$ 194,978		\$	724,934
28	My Home Energy Report		13,052,806	-	-			13,052,806
29	Energy Efficient Appliances and Devices		2,665,348	5,787,926	3,353,196			11,806,469
30	HVAC Energy Efficiency		132,531	334,414	193,675			660,620
31	Appliance Recycle Program		5,096	8,147	4,719			17,961
32	Income Qualified Energy Efficiency and Weatherization Assistance		115,500	242,117	140,230			497,847
33	Multi-Family Energy Efficiency		347,362	698,540	403,459			1,449,361
34	Energy Efficiency Education		142,689	301,026	174,350			618,064
35	Total Lost Revenues	-	16,654,687	7,708,770	4,464,606			28,828,063
36	Found Residential Revenues *	-	-	-	-			-
37	Net Lost Residential Revenues	\$ -	\$ 16,654,687	\$ 7,708,770	\$ 4,464,606		\$	28,828,063

\$ 4,464,606

Line	Non-Residential	Vintage 2016						Total
		2015	2016	2017 ^(a)	2018	2019	2020	
38	Nonresidential Smart Saver Custom Energy Assessments		\$ 199,079	\$ 389,585	\$ 318,658		\$	907,321
39	Non Residential Smart Saver Custom		914,009	1,703,790	1,398,549			4,016,348
40	Energy Management Information Services		-	-	-			-
41	Non Residential Smart Saver Energy Efficient Food Service Products		24,889	66,328	54,035			145,252
42	Non Residential Smart Saver Energy Efficient HVAC Products		46,952	103,028	83,640			233,620
43	Non Residential Smart Saver Energy Efficient Lighting Products		2,925,514	6,589,455	5,321,493			14,836,462
44	Non Residential Smart Saver Energy Efficient Pumps and Drives Products		38,898	66,558	54,453			159,908
45	Non Residential Smart Saver Energy Efficient IT Products		59,904	75,403	61,613			196,920
46	Non Residential Smart Saver Energy Efficient Process Equipment Products		4,731	10,652	8,811			24,194
47	Small Business Energy Saver		2,145,932	4,346,981	3,511,109			10,004,022
48	Smart Energy in Offices		227,062	418,553	-			645,616
49	Business Energy Report		-	-	-			-
75	EnergyWise for Business		15,922	36,788	29,639			82,348
76	Total Lost Revenues	-	6,602,893	13,807,121	10,841,999			31,252,013
77	Found Non-Residential Revenues *	-	-	-	-			-
78	Net Lost Non-Residential Revenues	\$ -	\$ 6,602,893	\$ 13,807,121	\$ 10,841,999		\$	31,252,013

\$ 10,841,999

Line	Residential	Vintage 2017						Total
		2015	2016	2017 ^(a)	2018	2019	2020	
78	Residential Energy Assessments			\$ 198,264	\$ 274,951	\$ 366,739	\$ 75,609	\$ 915,563
79	My Home Energy Report			14,455,527	-	-	-	14,455,527
80	Energy Efficient Appliances and Devices			3,386,885	5,134,538	6,635,996	1,569,818	16,727,238
81	Residential - Smart Saver Energy Efficiency Program			197,134	264,823	433,059	69,705	964,720
82	Appliance Recycle Program			-	-	-	-	-
83	Income Qualified Energy Efficiency and Weatherization Assistance			141,450	210,612	242,487	63,120	657,669
84	Multi-Family Energy Efficiency			535,154	743,597	946,417	204,745	2,429,913
85	Energy Efficiency Education			165,283	221,302	279,889	57,994	724,468
86	Total Lost Revenues	-	-	19,079,697	6,849,823	8,904,587	2,040,991	36,875,097
87	Lost Revenue Decrement Pending Rate Case Implementation	-	-	-	-	-	289,930	289,930
88	Found Residential Revenues *	-	-	-	-	-	-	-
89	Net Lost Residential Revenues	\$ -	\$ -	\$ 19,079,697	\$ 6,849,823	\$ 8,904,587	\$ 1,751,061	\$ 36,585,168

\$ 6,849,823

Line	Non-Residential	Vintage 2017						Total
		2015	2016	2017 ^(a)	2018	2019	2020	
90	Nonresidential Smart Saver Custom Energy Assessments		\$ 220,191	\$ 358,289	\$ 355,020	\$ 139,226	\$	1,072,725
91	Non Residential Smart Saver Custom		435,407	871,334	916,764	435,511		2,659,016
92	Energy Management Information Services		-	-	-	-		-
93	Non Residential Smart Saver Energy Efficient Food Service Products		28,410	40,771	69,365	12,596		151,142
94	Non Residential Smart Saver Energy Efficient HVAC Products		61,639	110,255	131,612	48,778		352,284
95	Non Residential Smart Saver Energy Efficient Lighting Products		6,200,869	10,299,304	8,730,546	4,144,248		29,374,967
96	Non Residential Smart Saver Energy Efficient Pumps and Drives Products		58,808	127,509	93,363	68,742		348,421
97	Non Residential Smart Saver Energy Efficient IT Products		82	162	186	81		512
98	Non Residential Smart Saver Energy Efficient Process Equipment Products		8,160	12,172	10,555	4,015		34,902
99	Non Residential Smart Saver Performance Incentive		-	66	818	686		2,344
100	Small Business Energy Saver		2,203,337	3,774,927	4,099,390	1,591,993		11,669,648
101	Smart Energy in Offices		209,310	149,382	-	-		358,692
102	Business Energy Report		-	-	-	-		-
103	EnergyWise for Business		85,268	158,514	162,762	74,100		480,644
104	Total Lost Revenues	-	9,511,547	15,903,393	14,570,381	6,519,975		46,505,296
105	Lost Revenue Decrement Pending Rate Case Implementation	-	-	-	-	-	926,185	926,185
106	Found Non-Residential Revenues *	-	-	-	-	-	-	-
107	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 9,511,547	\$ 15,903,393	\$ 14,570,381	\$ 5,593,790	\$ 45,579,110

\$ 15,903,393

* Found Revenues - See Evans Exhibit 4

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

Supplemental Evans Exhibit 2, page 3

Line	Residential	Vintage 2018						Total
		2015	2016	2017 ^(a)	2018	2019	2020	
108	Residential Energy Assessments				\$ 204,104	\$ 353,963	\$ 353,514	\$ 911,581
109	My Home Energy Report				15,088,601	-	-	15,088,601
110	Energy Efficient Appliances and Devices				4,299,478	4,054,825	9,080,869	17,435,172
111	Residential - Smart Saver Energy Efficiency Program				161,446	213,538	318,537	693,520
112	Appliance Recycle Program				-	-	-	-
113	Income Qualified Energy Efficiency and Weatherization Assistance				130,598	246,384	252,956	629,937
114	Multi-Family Energy Efficiency				500,522	1,165,290	1,086,338	2,752,151
115	Energy Efficiency Education				122,869	260,025	231,584	614,478

116	Total Lost Revenues	-	-	-	20,507,618	6,294,025	11,323,797	38,125,440
117	Lost Revenue Decrement Pending Rate Case Implementation						1,608,585	1,608,585
118	Found Residential Revenues *				-	-	-	-
119	Net Lost Residential Revenues	\$	-	\$	-	\$	20,507,618	\$ 36,516,855

20,507,618

	Non-Residential	2015	2016	2017 ^(a)	2018	2019	2020	Total
120	Nonresidential Smart Saver Custom Energy Assessments				\$ 212	\$ 549,855	\$ 849	\$ 550,916
121	Non Residential Smart Saver Custom				461,343	2,688,812	740,662	3,890,816
122	Energy Management Information Services				-	-	-	-
123	Non Residential Smart Saver Energy Efficient Food Service Products				13,485	26,794	21,497	61,776
124	Non Residential Smart Saver Energy Efficient HVAC Products				50,511	134,931	114,693	300,135
125	Non Residential Smart Saver Energy Efficient Lighting Products				4,078,660	2,987,074	6,538,710	13,604,445
126	Non Residential Smart Saver Energy Efficient Pumps and Drives Products				66,649	49,390	84,066	200,106
127	Non Residential Smart Saver Energy Efficient IT Products				185	117,948	859	118,991
128	Non Residential Smart Saver Energy Efficient Process Equipment Products				6,501	11,082	10,246	27,829
129	Non Residential Smart Saver Performance Incentive				20,243	160,962	82,058	263,263
129	Small Business Energy Saver				1,772,873	3,493,883	3,374,219	8,640,976
130	Smart Energy in Offices				39,733	-	-	39,733
131	Business Energy Report				-	-	-	-
132	EnergyWise for Business				64,755	51,234	113,468	229,458
133	Total Lost Revenues		-	-	6,575,151	10,271,966	11,081,327	27,928,443
134	Lost Revenue Decrement Pending Rate Case Implementation				-	-	1,574,142	1,574,142
135	Found Non-Residential Revenues *				-	-	-	-
136	Net Lost Non-Residential Revenues	\$	-	\$	-	\$	6,575,151	\$ 6,575,151

* Found Revenues - See Evans Exhibit 4

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

Supplemental Evans Exhibit 2, page 4

	Residential	2015	2016	2017 ^(a)	2018	2019	2020	Total
137	Residential Energy Assessments					\$ 178,309	\$ 287,735	\$ 466,044
138	My Home Energy Report					15,206,604	-	15,206,604
139	Energy Efficient Appliances and Devices					2,553,378	4,301,203	6,854,581
140	Residential - Smart Saver Energy Efficiency Program					129,065	158,765	287,830
141	Appliance Recycle Program					-	-	-
142	Income Qualified Energy Efficiency and Weatherization Assistance					99,398	185,634	285,032
143	Multi-Family Energy Efficiency					496,951	903,943	1,400,894
144	Energy Efficiency Education					119,499	261,545	381,044
145	Total Lost Revenues		-	-	-	18,783,204	6,098,825	24,882,029
146	Lost Revenue Decrement Pending Rate Case Implementation					866,360	-	866,360
147	Found Residential Revenues *					-	-	-
148	Net Lost Residential Revenues	\$	-	\$	-	\$	18,783,204	\$ 5,232,466

\$ -
\$ -

	Non-Residential	2015	2016	2017 ^(a)	2018	2019	2020	Total
149	Nonresidential Smart Saver Custom Energy Assessments					\$ 145,699	\$ 300,502	\$ 446,201
150	Non Residential Smart Saver Custom					1,059,600	2,335,850	3,395,450
151	Energy Management Information Services					-	-	-
152	Non Residential Smart Saver Energy Efficient Food Service Products					146,435	153,750	300,185
153	Non Residential Smart Saver Energy Efficient HVAC Products					193,528	322,214	515,742
154	Non Residential Smart Saver Energy Efficient Lighting Products					1,921,414	3,497,532	5,418,946
155	Non Residential Smart Saver Energy Efficient Pumps and Drives Products					77,800	214,313	292,113
156	Non Residential Smart Saver Energy Efficient IT Products					77,654	125,792	203,445
157	Non Residential Smart Saver Energy Efficient Process Equipment Products					18,722	39,115	57,837
158	Non Residential Smart Saver Performance Incentive					375,261	656,829	1,032,089
158	Small Business Energy Saver					1,523,101	2,471,538	3,994,639
159	Smart Energy in Offices					-	-	-
160	Business Energy Report					-	-	-
161	EnergyWise for Business					51,234	76,675	127,908
162	Total Lost Revenues		-	-	-	5,590,446	10,194,109	15,784,556
164	Found Non-Residential Revenues *					-	1,448,109	1,448,109
165	Net Lost Non-Residential Revenues	\$	-	\$	-	\$	5,590,446	\$ 8,746,000

\$ -

* Found Revenues - See Evans Exhibit 4

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

Supplemental Evans Exhibit 2, page 5

	Residential	2015	2016	2017 ^(a)	2018	2019	2020	Total
166	Residential Energy Assessments						161,966	\$ 161,966
167	My Home Energy Report						14,686,468	14,686,468
168	Energy Efficient Appliances and Devices						1,237,431	1,237,431
169	Residential - Smart Saver Energy Efficiency Program						263,183	263,183
170	Appliance Recycle Program						-	-
171	Income Qualified Energy Efficiency and Weatherization Assistance						103,534	103,534
172	Multi-Family Energy Efficiency						496,249	496,249
173	Energy Efficiency Education						146,751	146,751
174	Total Lost Revenues		-	-	-	-	17,095,583	17,095,583
175	Lost Revenue Decrement Pending Rate Case Implementation						2,428,488	2,428,488
176	Found Residential Revenues *						-	-
177	Net Lost Residential Revenues	\$	-	\$	-	\$	-	\$ 14,667,095

Total lighting impacts (18,554)
Total Smart Saver impacts (55,541)
(74,096)

	Non-Residential	2015	2016	2017 ^(a)	2018	2019	2020	Total
178	Nonresidential Smart Saver Custom Energy Assessments						\$ 136,414	\$ 136,414
179	Non Residential Smart Saver Custom						1,201,984	1,201,984
180	Energy Management Information Services						-	-
181	Non Residential Smart Saver Energy Efficient Food Service Products						93,624	93,624
182	Non Residential Smart Saver Energy Efficient HVAC Products						61,819	61,819
183	Non Residential Smart Saver Energy Efficient Lighting Products						3,029,908	3,029,908
184	Non Residential Smart Saver Energy Efficient Pumps and Drives Products						94,651	94,651
185	Non Residential Smart Saver Energy Efficient IT Products						6,639	6,639
186	Non Residential Smart Saver Energy Efficient Process Equipment Products						12,061	12,061
187	Non Residential Smart Saver Performance Incentive						402,902	402,902
187	Small Business Energy Saver						955,245	955,245
188	Smart Energy in Offices						-	-
189	Business Energy Report						-	-
190	EnergyWise for Business						46,148	46,148
191	Total Lost Revenues		-	-	-	-	6,041,394	6,041,394
192	Lost Revenue Decrement Pending Rate Case Implementation						858,201	858,201
193	Found Non-Residential Revenues *						-	-
194	Net Lost Non-Residential Revenues	\$	-	\$	-	\$	-	\$ 5,183,193

-74095.61376

* Found Revenues - See Evans Exhibit 4

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

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Duke Energy Carolinas, LLC
For the Period January 1, 2018 - December 31, 2018
Docket Number E-7 Sub 1192
Actual Program Costs for Vintage Years 2014, 2015, 2016, 2017 and 2018

		Carolinas System - 12 Months Ended 12/31/2014	Carolinas System - 12 months Ended 12/31/2015	Carolinas System - 12 months Ended 12/31/2016	Carolinas System - 12 months Ended 12/31/2017	Carolinas System - 12 months Ended 12/31/2018
1	Residential Energy Assessments	\$ 3,605,737	\$ 3,086,173	2,678,893	2,909,098	2,836,229
2	My Home Energy Report	8,285,066	9,845,895	10,822,444	13,812,250	12,765,286
3	Energy Efficient Appliances and Devices	14,738,129	12,050,485	24,069,774	30,340,728	42,687,244
4	Residential – Smart Saver Energy Efficiency Program	4,786,807	5,416,833	7,839,566	7,403,327	6,955,146
5	Appliance Recycle Program	1,515,867	1,537,241	(97,397)	5,307	-
6	Income Qualified Energy Efficiency and Weatherization Assistance	1,917,192	2,238,776	4,792,436	5,505,992	6,490,735
7	Multi family Energy Efficiency	1,442,533	2,092,935	2,518,988	3,168,422	3,604,921
8	Energy Efficiency Education	1,963,153	2,054,672	2,126,509	2,077,611	1,992,260
9	Nonresidential Smart Saver Custom Energy Assessments	1,458,195	660,420	2,034,308	2,139,875	407,293
10	Energy Management Information Systems	74,855	-	-	-	-
11	Non-Residential Smart Saver Custom	8,136,712	9,932,877	7,356,509	7,304,838	6,068,902
12	Non-Residential Smart Saver Performance Incentive	-	-	35,670	320,559	479,610
13	Non-Residential Energy Efficient Food Service Products	199,350	194,425	324,117	306,488	235,605
14	Non-Residential Smart Saver Energy Efficient HVAC Products	815,339	1,142,522	1,473,991	1,560,769	1,620,748
15	Non-Residential Smart Saver Energy Efficient Lighting Products	6,727,675	11,335,798	39,622,944	66,689,770	25,872,380
16	Nonresidential Energy Efficient Pumps and Drives Products	584,874	466,478	471,930	528,937	277,785
17	Nonresidential Energy Efficient ITEE	25,730	716,542	285,430	61,215	36,875
18	Nonresidential Energy Efficient Process Equipment Products	89,809	88,823	125,947	162,413	67,509
19	Smart Energy In Offices	1,156,497	1,463,240	1,061,729	891,010	219,748
20	Small Business Energy Saver	1,026,607	13,968,790	15,360,852	17,350,972	15,977,993
21	Business Energy Report	-	126,404	263,169	126,680	-
22	Power Manager	15,662,693	14,634,279	13,644,970	14,021,500	14,423,610
23	EnergyWise for Business	-	1,549,305	470,304	2,484,618	3,062,816
24	Power Share	15,520,492	15,779,050	14,291,024	13,316,535	12,922,977
25	Disallowed Costs from 2015 Program Costs Audit (Order E-7 Sub 1105, dated 8/25/16)	-	(3,851)	-	-	-
26	Total Energy Efficiency & Demand Side Program Costs	\$ 89,733,313	\$ 110,378,109	\$ 151,574,107	\$ 192,488,915	\$ 159,005,671
27	NC Allocation Factor for EE programs	72.9600473%	72.9564706%	73.0962827%	72.8087506%	72.7130507%
28	NC Allocation Factor for DSM programs-Residential	34.0209980%	32.5218612%	33.7973480%	33.8075104%	32.1574721%
29	NC Allocation Factor for DSM programs-Non-Residential	41.2108021%	42.4483655%	40.8166437%	40.0747013%	41.4712829%
		NC Allocated - 12 Months Ended 12/31/2014	NC Allocated - 12 Months Ended 12/31/2015	NC Allocated - 12 Months Ended 12/31/2016	NC Allocated - 12 Months Ended 12/31/2017	NC Allocated - 12 Months Ended 12/31/2018
30	Residential Energy Assessments	\$ 2,630,748	\$ 2,251,563	\$ 1,958,171	\$ 2,118,078	\$ 2,065,023
31	My Home Energy Report	6,044,788	7,183,217	7,910,805	10,056,526	9,294,245
32	Energy Efficient Appliances and Devices	10,752,946	8,791,608	17,594,110	22,090,705	31,080,049
33	Residential – Smart Saver Energy Efficiency Program	3,492,457	3,951,930	5,730,431	5,390,270	5,063,955
34	Appliance Recycle Program	1,105,977	1,121,517	(71,194)	3,864	-
35	Income Qualified Energy Efficiency and Weatherization Assistance	1,398,784	1,633,332	3,503,093	4,008,844	4,725,823
36	Multi family Energy Efficiency	1,052,473	1,526,931	1,841,287	2,306,888	2,624,698
37	Energy Efficiency Education	1,432,317	1,499,016	1,554,399	1,512,683	1,450,539
38	Nonresidential Smart Saver Custom Energy Assessments	1,063,900	481,819	1,487,003	1,558,016	296,545
39	Energy Management Information Systems	54,614	-	-	-	-
40	Non-Residential Smart Saver Custom	5,936,549	7,246,677	5,377,335	5,318,561	4,418,691
41	Non-Residential Smart Saver Performance Incentive	-	-	26,073	-	-
42	Non-Residential Energy Efficient Food Service Products	145,446	141,845	236,918	223,150	171,541
43	Non-Residential Smart Saver Energy Efficient HVAC Products	594,872	833,543	1,077,433	1,136,376	1,180,046
44	Non-Residential Smart Saver Energy Efficient Lighting Products	4,908,515	8,270,198	28,962,899	48,555,988	18,837,357
45	Nonresidential Energy Efficient Pumps and Drives Products	426,724	340,326	344,963	385,112	202,252
46	Nonresidential Energy Efficient ITEE	18,773	522,764	208,639	44,570	26,848
47	Nonresidential Energy Efficient Process Equipment Products	65,525	64,802	92,062	118,251	49,153
48	Smart Energy In Offices	843,781	1,067,528	776,084	648,734	159,996
49	Small Business Energy Saver	749,013	10,191,136	11,228,212	12,633,026	11,633,377
50	Business Energy Report	-	92,220	192,366	92,234	-
51	Power Manager	10,608,831	10,394,843	9,600,575	10,082,296	9,778,895
52	EnergyWise for Business	-	1,213,062	369,407	1,879,262	2,416,251
53	Power Share	12,850,841	12,354,553	11,225,091	10,072,077	10,194,918
54	Disallowed Costs from 2015 Program Costs Audit (Order E-7 Sub 1105, dated 8/25/16)	-	(2,887)	-	-	-
55	Total Energy Efficiency & Demand Side Program Costs	\$ 66,177,873	\$ 81,171,544	\$ 111,226,163	\$ 140,235,514	\$ 115,670,203

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Evans Exhibit 4

Duke Energy Carolinas, LLC
January 2014 - December 2017 Actuals
January 2018 - December 2019 Estimates
Docket Number E-7, Sub 1192
North Carolina Found Revenues

	Actual/ Reported KWH					Estimated KWH		Total
	2014	2015	2016	2017	2018	2019	2020	
Economic Development	166,234,550	464,610,000	271,322,290	348,693,600	507,965,880	-	-	1,758,826,320
Plug-in Electric Charging Station Pilot	238,696	-	-	-	-	-	-	238,696
Lighting								-
Residential	105,354	90,653	90,608	78,437	62,832	62,832	62,832	553,548
Non Residential (Regulated)	95,391	76,081	96,691	102,200	67,443	67,443	67,443	572,692
MV to LED Credit - Residential (Regulated)	(156,381)	(171,375)	(189,823)	(172,702)	(150,968)	(685,126)	(217,615)	(1,743,990)
MV to LED Credit - Non-Residential (Regulated)	(104,331)	(160,589)	(173,799)	(193,494)	(248,852)	(1,129,345)	(358,711)	(2,369,121)
Total KWH	166,413,279	464,444,770	271,145,967	348,508,041	507,696,335	(1,684,197)	(446,050)	1,756,078,145
Total KWH Included	(59,967)	(165,230)	(176,323)	(185,559)	(269,545)	(1,684,197)	(446,050)	(2,986,871)
Total KWH Included (net of Free Riders 15%)	(50,972)	(140,446)	(149,875)	(157,725)	(229,113)	(1,431,567)	(379,143)	(2,538,840)
Annualized Found Revenue - Non Residential	\$ (3,700)	\$ (37,868)	\$ (37,575)	\$ (47,791)	\$ (96,471)	\$ (574,663)	\$ (1,640,089)	\$ (2,438,156)
Annualized Found Revenue - Residential	\$ (34,952)	\$ (55,340)	\$ (67,984)	\$ (63,987)	\$ (59,285)	\$ (420,645)	\$ (1,297,039)	\$ (1,999,232)

	2014	2015	2016	2017	2018	2019	2020	Total
Vintage 2014 - Non Res	1,474	(3,700)	(3,700)	(5,174)				(11,099)
Vintage 2015 - Non Res		(21,561)	(37,868)	(37,868)	(13,108)			(110,406)
Vintage 2016 - Non Res			(19,734)	(37,575)	(30,884)	(10,217)		(98,410)
Vintage 2017 - Non Res				(19,415)	(47,791)	(47,791)	(28,377)	(143,374)
Vintage 2018 - Non Res					(51,684)	(96,471)	(96,471)	(244,626)
Vintage 2019 - Non Res						(311,276)	(574,663)	(885,939)
Vintage 2020 - Non Res							(85,379)	
Net Negative Found Revenues to Zero*	-	25,261	61,302	100,031	143,468	465,755	784,890	1,580,706
Subtotal - Non Res	\$ 1,474	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,474
Vintage 2014 - Res	(12,947)	(34,952)	(34,952)	(22,005)	-			(104,857)
Vintage 2015 - Res		(32,355)	(55,340)	(55,340)	(17,981)	-	-	(161,015)
Vintage 2016 - Res			(38,231)	(67,984)	(39,657)	-	-	(145,873)
Vintage 2017 - Res				(26,862)	(50,953)	(32,706)	(18,976)	(129,498)
Vintage 2018 - Res					(28,318)	(59,285)	(59,285)	(146,888)
Vintage 2019 - Res						(227,850)	(420,645)	(648,495)
Vintage 2020 - Res							(56,673)	(56,673)
Net Negative Found Revenues to Zero*	12,947	67,307	128,523	172,192	136,909	319,841	555,579	1,393,299
Subtotal - Residential	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Found Revenues	\$ 1,474	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,474

Decision Tree Node
Box 5 - exclude
Box 3 - exclude
Box 6 - include
Box 6 - include
Box 6 - include
Box 6 - include

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

Duke Energy Carolinas, LLC
Estimate - January 1, 2020 - December 31, 2020
Docket Number E-7, Sub 1192
Projected Program/Portfolio Cost Effectiveness - Vintage 2020

Program	UCT	TRC	RIM	PCT
Residential Programs				
• Energy Education Program for Schools	1.32	1.32	0.54	7.68
• Energy Efficient Appliances & Devices	3.27	3.54	0.70	7.50
• Residential – Smart \$aver Energy Efficiency Program	1.31	0.95	0.60	1.84
• Income-Qualified EE Products & Services	0.21	0.35	0.17	2.80
• Multi-Family EE Products & Services	2.97	2.97	0.61	22.81
• My Home Energy Report	1.89	1.89	0.61	
• Power Manager	4.22	8.72	4.22	
• Residential Energy Assessments	1.36	1.34	0.49	30.23
Residential Total	2.50	3.02	1.04	6.61
Non-Residential Programs				
• Custom Assessment & Incentive	3.38	1.68	0.84	3.20
• EnergyWise for Business	0.72	1.25	0.61	
• Food Service Products	1.40	0.81	0.51	2.02
• HVAC	1.57	1.24	0.70	2.06
• Lighting	4.29	2.00	0.80	3.75
• Motors, Pumps & VFDs	3.68	2.63	0.86	5.38
• Non Res Information Technology	0.60	0.46	0.31	2.55
• Process Equipment	2.14	1.85	0.70	3.86
• Performance Incentive	3.29	1.06	0.83	1.79
• Small Business Energy Saver	2.70	1.67	0.80	2.93
• PowerShare	3.35	112.28	3.35	
Non-Residential Total	3.28	2.13	0.94	3.34
Overall Portfolio Total	2.90	2.43	0.98	4.00

Duke Energy Carolinas
Changes to DSM/EE Cost Recovery Vintage 2018 True Up January 1, 2018 - December 31, 2018
Changes from Prior Filing Due to Application of M&V and Participation
System kWh and kW Impacts Net Free Riders at the Plant

Residential Programs

Program Name	Filed in Docket No. E-7 Sub 1130		Filed in Docket No. E-7 Sub 1192		Overall Variance		E-7 Sub 1130	E-7 Sub 1192	Delta	Variance attributable to Participation		Variance attributable to Mix of Measures		Variance attributable to EM&V		Sum of Variances	
	kWh	kW	kWh	kW	kWh	kW	System Participation		Participation	kWh	kW	kWh	kW	kWh	kW	kWh	kW
Energy Efficiency Education Program for Schools	5,604,364	1,316	4,889,354	1,148	(715,010)	(168)	26,250	22,901	(3,349)	(715,010)	(168)	-	-	-	-	(715,010)	(168)
Energy Efficient Appliances and Devices	97,729,231	11,726	195,316,844	32,803	97,587,613	21,077	3,533,486	10,242,945	6,709,459	146,460,881	18,352	7,685,639	14	(56,558,907)	2,711	97,587,613	21,077
Residential – Smart Saver Energy Efficiency Program	5,359,616	1,577	6,727,882	1,644	1,368,266	67	9,480	25,293	15,813	3,844,491	1,175	(1,277,881)	(581)	(1,198,344)	(527)	1,368,266	67
Income Qualified Energy Efficiency and Weatherization Assistance	5,287,477	820	5,211,991	726	(75,487)	(95)	10,426	10,681	255	(557,065)	(80)	-	-	481,578	(15)	(75,487)	(95)
Multi-Family Energy Efficiency	22,582,141	2,197	21,309,576	2,167	(1,272,565)	(30)	370,882	430,474	59,592	(2,699,719)	(204)	1,427,154	174	-	-	(1,272,565)	(30)
Energy Assessments	7,435,992	1,145	7,716,668	929	280,676	(216)	59,080	55,978	(3,102)	984,660	172	-	-	(703,984)	(388)	280,676	(216)
My Home Energy Report	304,386,954	77,277	320,613,567	81,409	16,226,613	4,132	1,354,138	1,432,263	78,125	16,226,613	4,132	-	-	-	-	16,226,613	4,132
PowerManager	-	503,304	-	535,418	-	32,114	473,837	504,071	30,234	-	32,114	-	-	-	-	-	32,114
Residential Programs Total	448,385,775	599,362	561,785,881	656,243	113,400,106	56,881	5,837,580	12,724,606	6,887,026	163,544,851	55,493	7,834,912	(393)	(57,979,657)	1,782	113,400,106	56,881

Non-Residential Programs

Program Name	Filed in Docket No. E-7 Sub 1130		Filed in Docket No. E-7 Sub 1192		Overall Variance		E-7 Sub 1130	E-7 Sub 1192	Delta	Variance attributable to Participation		Variance attributable to Mix of Measures		Variance attributable to EM&V		Sum of Variances	
	kWh	kW	kWh	kW	kWh	kW	System Participation		Participation	kWh	kW	kWh	kW	kWh	kW	kWh	kW
Non Residential Smart Saver Custom Technical Assessments	20,322,216	2,320	83,588	13	(20,238,628)	(2,307)	13,248	218	(13,030)	-	-	(20,238,628)	(2,307)	-	-	(20,238,628)	(2,307)
Non Residential Smart Saver Custom	95,315,609	10,881	30,333,040	4,054	(64,982,570)	(6,827)	62,136	23,345	(38,791)	-	-	(64,982,570)	(6,827)	-	-	(64,982,570)	(6,827)
Non Residential Smart Saver Energy Efficient Food Service Products	817,239	120	1,151,114	106	333,875	(14)	453	2,910	2,457	723,121	46	421,245	48	(810,491)	(107)	333,875	(14)
Non Residential Smart Saver Energy Efficient HVAC Products	4,345,376	2,007	2,908,386	893	(1,437,191)	(1,113)	5,124,564	2,189,324	(2,935,240)	23,758	158	(975,126)	(1,102)	(487,822)	(169)	(1,437,191)	(1,113)
Non Residential Smart Saver Energy Efficient Lighting Products	92,350,939	12,435	178,360,156	31,537	86,009,217	19,102	14,535,813	2,854,234	(11,681,579)	53,261,333	4,160	(2,625,547)	291	35,373,431	14,651	86,009,217	19,102
Non Residential Energy Efficient Pumps and Drives Products	2,067,770	305	2,669,016	421	601,246	115	2,750	2,480	(270)	11,845	(1)	(253,717)	(17)	843,118	133	601,246	115
Non Residential Energy Efficient ITEE	3,823,152	0	17,639	-	(3,805,513)	(0)	15,935	280	(15,655)	(1,128,795)	-	(2,673,638)	(0)	(3,080)	-	(3,805,513)	(0)
Non Residential Energy Efficient Process Equipment Products	316,290	31	331,222	75	14,932	44	1,657	3,339	1,682	218,900	22	(222,046)	(20)	18,078	42	14,932	44
Non Residential Smart Saver Performance Incentive	5,706,017	651	3,271,186	168	(2,434,832)	(484)	6,174,765	118	(6,174,647)	-	-	(2,434,832)	(484)	-	-	(2,434,832)	(484)
Smart Energy in Offices	41,339,434	8,604	1,488,592	310	(39,850,843)	(8,294)	47,462,400	4,194,003	(43,268,397)	(10,380,698)	(2,161)	(27,305,788)	(5,683)	(2,164,357)	(450)	(39,850,843)	(8,294)
Small Business Energy Saver	93,135,919	17,124	76,696,523	13,374	(16,439,395)	(3,750)	75,800,000	73,493,029	(2,306,971)	(2,718,672)	(2,304)	-	-	(13,720,723)	(1,447)	(16,439,395)	(3,750)
Business Energy Report	5,051,658	353	-	-	(5,051,658)	(353)	14,013	-	(14,013)	(5,051,658)	(353)	-	-	-	-	(5,051,658)	(353)
EnergyWise for Business	3,530,072	17,034	2,498,948	8,117	(1,031,124)	(8,917)	6,863	11,462	4,598	3,560,876	4,835	-	-	(4,592,000)	(13,752)	(1,031,124)	(8,917)
PowerShare	-	388,025	-	332,631	-	(55,394)	365,308	313,157	(52,151)	-	(55,394)	-	-	-	-	(55,394)	(55,394)
Non-Residential Programs Total	368,121,892	459,890	299,809,409	391,698	(68,312,483)	(68,192)	149,579,904	83,087,898	(66,492,006)	38,520,009	(50,992)	(121,288,645)	(16,100)	14,456,153	(1,100)	(68,312,483.20)	(68,192)
Total Residential and Non-Residential Programs	816,507,667	1,059,251	861,595,290	1,047,941	45,087,623	(11,310)	155,417,484	95,812,505	(59,604,979)	202,064,860	4,501	(113,453,734)	(16,493)	(43,523,504)	682	45,087,623	(11,310)

NOTE - The actual per unit impacts are reflective of the following EM&V reports:

Program Name As Filed	Docket	Report Reference	Effective Date
Non Residential Smart Saver Energy Efficient Food Service Products	E-7, Sub 1192	Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017	3/1/2017
Non Residential Smart Saver Energy Efficient HVAC Products	E-7, Sub 1192	Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017	3/1/2017
Non Residential Smart Saver Energy Efficient Lighting Products	E-7, Sub 1192	Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017	3/1/2017
Non Residential Energy Efficient Pumps and Drives Products	E-7, Sub 1192	Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017	3/1/2017
Non Residential Energy Efficient ITEE	E-7, Sub 1192	Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017	3/1/2017
Non Residential Energy Efficient Process Equipment Products	E-7, Sub 1192	Exhibit B - Nonresidential Smart Saver® Energy Efficient Products and Assessment – Prescriptive: 2015-2017	3/1/2017
Energy Efficient Appliances and Devices	E-7, Sub 1192	Exhibit C - Residential Energy Efficient Appliances and Devices – Retail Lighting: 2016-2017	4/1/2017
Residential – Smart Saver Energy Efficiency Program	E-7, Sub 1192	Exhibit E - Residential Smart Saver® Energy Efficiency - HVAC: 2016-2017	10/1/2017
Income Qualified EE and Weatherization Program	E-7, Sub 1192	Exhibit F - Income-Qualified Energy Efficiency and Weatherization Assistance: 2015-2016	1/1/2015
Small Business Energy Saver	E-7, Sub 1192	Exhibit G - Small Business Energy Saver: 2016-2017:	7/1/2017
Energy Efficient Appliances and Devices	E-7, Sub 1192	Exhibit I - Residential Energy Efficient Appliances and Devices – Online Savings Store: 2015-2017	2/1/2018
Energy Assessments	E-7, Sub 1192	Exhibit J - Duke Energy Carolinas Residential Energy Assessments Program: 2016-2017	5/1/2017
EnergyWise for Business	E-7, Sub 1192	Exhibit K - EnergyWise for Business: 2017	1/1/2018

Duke Energy Carolinas, LLC
Shared Savings Incentive Calculation
Docket Number E-7, Sub 1192
Estimate January 1, 2020 - December 31, 2020

		<u>System</u>
NPV of AC - Res EE ¹		\$ 75,405,008
NPV of AC - Non Res EE		171,569,263
NPV of AC - DSM		124,330,187
Total NPV of Avoided Costs	A	\$ 371,304,459
Program Costs - Res EE ¹		\$ 37,453,164
Program Costs - Non Res EE		51,858,747
Program Costs - DSM		38,073,241
Total Program Costs	B	\$ 127,385,152
Net Savings	C=A-B	\$ 243,919,307
Sharing Percentage	D	11.50%
Shared Savings - Res EE		\$ 4,364,462
Shared Savings - Non Res EE		13,766,709
Shared Savings - DSM		9,919,549
Total Shared Savings	E=(A-B)*D	\$ 28,050,720

1) Excludes AC and Program Costs associated with Income Qualified Energy Efficiency and Weatherization Assistance, which is deemed to be cost recovery only.

Historical (and projected for 2023 and 2024) North Carolina Energy Savings for MyHER Program

		System Projected/ Provisional Participants (Rider Application for the given Year)	System Annual Savings (kwh) per Participant Presented in Rider Application for the year	Total System Projected Savings as Presented in Rider Application	Actual System Participants based on adjustments made after initial application	Final System Annual Savings per Participant (if changed from EM&V after initial application)	Actual Total System Savings Attributed to the Program	NC Allocation Factor	NC Projected/ Provisional Participants (Rider Application for the given Year)	NC Annual Savings (kwh) per Participant Presented in Rider Application for the year	Total NC Projected Savings as Presented in Rider Application	Actual NC Participants based on adjustments made after initial application	Final NC Annual Savings per Participant (if changed from EM&V after initial application)	Actual Total NC Savings Attributed to the Program
Year (Rider Rate Period)	Rider Docket													
2017	E-7 Sub 1105	1,050,000	201.00	211,047,528	1,394,693	223.25	311,368,855	72.81%	764,492	201.00	153,661,069	1,015,459	223.25	226,703,773
2018	E-7 Sub 1130	1,354,138	224.78	304,386,954	1,432,263	240.71	344,759,844	72.71%	984,635	224.78	221,329,040	1,041,442	240.71	250,685,400
2019	E-7 Sub 1164	1,364,000	229.42	312,934,099	1,339,152	245.26	328,439,103	73.09%	996,953	229.42	228,724,759	978,791	245.26	240,057,427
2020	E-7 Sub 1192	1,355,300	226.03	306,337,865	1,358,892	244.39	332,105,411	73.22%	992,368	226.03	224,304,487	994,998	244.39	243,171,812
2021	E-7 Sub 1230	1,408,963	242.85	342,160,803	1,376,708	244.27	336,292,411	73.52%	1,035,917	242.85	251,568,147	1,012,202	244.27	247,253,507
2022	E-7 Sub 1249	1,377,387	241.91	333,200,740				73.22%	1,008,540	241.91	243,973,825			
2023	E-7 Sub 1265	1,368,084	244.95	335,107,189				73.52%	1,005,861	244.95	246,382,092			
2024	TBD	1,371,065	243.80	334,271,371				73.52%	1,008,053	243.80	245,767,571			

Savings are in kwh net at plant
kwh savings per participant represent blend of MyHER and MF MyHER measures. Participation mix impacts the savings.

Year (Rider Rate Year)	Actual* Net Lost Revenues attributed to the MyHER program	Actual* Total program costs/expenditures	Actual* PPI	Allocation Factor	Allocated Program Costs	Allocated PPI
2017	\$ 14,455,527	\$ 13,812,250	\$ 910,354	72.81%	\$ 10,056,526	\$ 662,817
2018	\$ 15,751,701	\$ 12,765,286	\$ 1,141,027	72.71%	\$ 9,282,029	\$ 829,676
2019	\$ 16,556,381	\$ 10,558,344	\$ 1,472,415	73.09%	\$ 7,717,135	\$ 1,076,194
2020	\$ 17,075,171	\$ 12,749,651	\$ 1,285,498	73.22%	\$ 9,335,457	\$ 941,258
2021	\$ 17,258,649	\$ 7,072,233	\$ 1,637,770	73.52%	\$ 5,199,744	\$ 1,204,144
2022	\$ 17,381,990	\$ 12,151,901	\$ 984,945	73.22%	\$ 8,897,776	\$ 721,189
2023	\$ 17,467,498	\$ 7,527,382	\$ 1,905,366	73.52%	\$ 5,534,384	\$ 1,400,889
2024	\$ 17,299,206	\$ 8,059,630	\$ 979,395	73.52%	\$ 5,925,712	\$ 720,084

* For years when final adjustments were not available, provide estimates/projections and indicate as estimates.

MyHER Customer Account Participation - Total and New Participants

Year (Rider Rate Year)	Estimated System		NC Allocation Factor	Estimated NC	
	Total System Participants (actual or provisional)	Participants participating in program for first time		Total NC Participants (actual or provisional)	Participants participating in program for first time
2017	1,394,693	251,083	72.81%	1,015,459	182,810
2018	1,432,263	141,113	72.71%	1,041,442	102,608
2019	1,339,152	59,330	73.09%	978,791	43,365
2020	1,358,892	149,652	73.22%	994,998	109,577
2021	1,376,708	176,010	73.52%	1,012,202	129,408
2022	1,377,387	281,713	73.22%	1,008,540	206,274
2023	1,368,084	201,794	73.52%	1,005,861	148,366
2024	1,371,065	202,234	73.52%	1,008,053	148,689