BEFORE
THE PUBLIC SERVICE COMMISSION OF
SOUTH CAROLINA

DOCKET NO. 2019-3-E

In the Matter of:	)	
	)	
Annual Review of Base Rates for Fuel Costs for Duke Energy Carolinas, LLC, Increasing Residential and Non-Residential Rates	)	**SUPPLEMENTAL TESTIMONY OF KIMBERLY D. MCGEE FOR DUKE ENERGY CAROLINAS, LLC**
	)	

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Q. PLEASE STATE YOUR NAME, TITLE AND BUSINESS ADDRESS.

A. My name is Kimberly D. McGee and I am a Rates Manager supporting both Duke Energy Carolinas, LLC ("DEC" or the "Company") and Duke Energy Progress, LLC. My address is 550 South Tryon Street, Charlotte, North Carolina.

Q. DID YOU PREVIOUSLY FILE DIRECT TESTIMONY IN SUPPORT OF DEC'S APPLICATION IN THIS DOCKET?

A. Yes, I did.

Q. WHAT IS THE PURPOSE OF YOUR SUPPLEMENTAL TESTIMONY?

A. The purpose of my supplemental testimony is to appropriately classify $3.7 million in system costs related to the firm natural gas transportation and storage costs as a capacity-related cost. This amount was inadvertently included in non-capacity related fuel costs. My supplemental filing also includes an adjustment to the estimated period and forecast period to remove capital lease payments inadvertently included in the firm natural gas transportation and storage cost projections shown on Exhibit 6 (pages 1b, 2b, and 3b) and Exhibit 7.

Q. PLEASE DESCRIBE THE IMPACT THESE CHANGES MAKE TO THE FUEL FACTORS PROPOSED IN THIS FILING.

A. The $3.7 million reclassification in the test period costs will result in a decrease in the total SC retail under recovery for base fuel of approximately $907 thousand and a decrease in the total over recovery for capacity related costs of the same amount. At the SC retail level, these amounts are offsetting. However, since the two affected categories of fuel cost are allocated to SC retail using slightly different allocation factors, they do not net to zero but result in a very minimal increase in the capacity category. The SC retail amounts are also

allocated among customer classes based on different allocation factors, the reclassification has minor impacts among the individual customer class amounts, which net to zero in total. The impact of the change in the projected capacity related costs on Exhibit 6, pages 1b, 2b, and 3b, is an increase in the SC (over) recovery balance for the estimated period of June 2019 – September 2019 of $1.6 million. The impact of the removal of approximately $34 million in projected costs from Exhibit 7 will result in $8.3 million lower projected capacity costs for SC retail. The total impact to customer rates of this revision is a decrease for all customer classes.

Q. ARE THERE OTHER CHANGES INCLUDED IN THIS FILING?

A. Yes, the Company agrees with the ORS's adjustment of $(2,492) to DERP incremental costs to remove an invoice found during the annual audit that was inadvertently charged to DEC instead of Duke Energy Progress. This has been corrected in this supplemental filing and can be seen on Exhibit 8, page 2.

Q. ARE YOU FILING REVISED EXHIBITS AS A RESULT OF THESE CHANGES?

A. Yes, as a result of these changes, I am filing Revised Exhibits 1, 2, 6, 7, 8 and 9.

Q. WHAT IS THE FUEL FACTOR IMPACT OF THESE CHANGES?

A. These changes result in rate decreases for all customer classes: (0.0726) cents per kWh for the residential class, (0.0398) cents per kWh for the general service class, and (0.0282) cents per kWh for the industrial class. The following table reflects the updated rates. The monthly DERP incremental charge per account, including GRT, for Industrial customers is reduced by $0.03.

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Line No.	Description	Reference	Customer Class Cents / kWh Residential	General / Lighting	Industrial
	Base Fuel Costs				
1	Base Fuel Cost Component Under / (Over) at September 2019	Exhibit 2 Page 2	0.3564	0.3564	0.3564
2	Base Fuel Cost Component Projected Billing Period	Exhibit 3	1.7541	1.7541	1.7541
3	Total Base Fuel Cost Component		2.1105	2.1105	2.1105
	Capacity Related Costs		Cents / kWh		
4	PURPA Purchased Power Component Under / (Over) at September 2019	Exhibit 6 Page 1, 2, 3	(0.0250)	(0.0429)	(0.0350)
5	Capacity Related Cost Component Projected Billing Period	Exhibit 7	0.1351	0.0708	0.0481
6	Total Capacity Related Cost Component	Line 4 + 5	0.1101	0.0279	0.0131
	Distributed Energy Resource Progam Avoided Costs		Cents / kWh		
7	DERP Avoided Costs Component Under / (Over) at September 2019	Exhibit 12 Page 1,2,3	0.0001	(0.0001)	(0.0002)
8	DERP Avoided Costs Component Projected Billing Period	Exhibit 13	0.0025	0.0013	0.0009
9	Total DERP Avoided Costs Component	Line 7 + 8	0.0026	0.0012	0.0007
	Environmental Costs		Cents / kWh		
10	Environmental Component Under / (Over) at September 2019	Exhibit 4 Page 1, 2, 3	0.0096	(0.0017)	(0.0022)
11	Environmental Component Projected Billing Period	Exhibit 5	0.0507	0.0266	0.0180
12	Total Environmental Component	Line 10 + 11	0.0603	0.0249	0.0158
13	**Total Fuel Billing Factors**	Sum Line 3 + Line 6 + Line 9 + Line 12	**2.2835**	**2.1645**	**2.1401**

	Distributed Energy Resource Program Incremental Cost per Account		**Residential**	**General Service**	**Industrial**
	DERP Incremental Under / (Over) at September 2019				
14	Annual Charge / (Credit)	Exhibit 9	$ (1.51)	$ (4.77)	$ (230.71)
15	Monthly Charge / (Credit)	Exhibit 9	$ (0.13)	$ (0.40)	$ (19.23)
	DERP Incremental Projected Billing Period				
16	Annual Charge	Exhibit 11	$ 8.92	$ 28.19	$ 1,363.57
17	Monthly Charge	Exhibit 11	$ 0.74	$ 2.35	$ 113.63
18	**Total DERP Annual Charge - excluding GRT**	Line 14 + Line 16	**$ 7.41**	**$ 23.43**	**$ 1,132.86**
19	**Total DERP Monthly Charge - excluding GRT**	Line 15 + Line 17	**$ 0.62**	**$ 1.95**	**$ 94.41**
20	**Total DERP Annual Charge per account CAP**		**$ 12.00**	**$ 120.00**	**$ 1,200.00**
21	**Total DERP Annual Charge - including GRT**	Line 18 / (1-Tax Rate)	**$ 7.45**	**$ 23.55**	**$ 1,138.54**
22	**Total DERP Monthly Charge - including GRT**	Line 19 / (1-Tax Rate)	**$ 0.62**	**$ 1.96**	**$ 94.88**
	Totals may not sum due to rounding				

The overall impact of all components of this supplemental filing to customers' monthly bills of a typical residential customer using 1000 kWh per month is an increase of $1.48 or 1.2%, which is a reduction of $0.73 or 0.6% from that previously proposed. The impacts for average

general service, lighting, and industrial customers vary by customer, but are approximately 0.3%, 0.4%, and 1.2%, respectively.

Q. DOES THIS CONCLUDE YOUR SUPPLEMENTAL TESTIMONY?

A. Yes, it does.

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Revised McGee Exhibit 1

DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF TOTAL FUEL BILLING FACTORS
BILLING PERIOD OCTOBER 1, 2019 TO SEPTEMBER 30, 2020

			Customer Class		
			Cents / kWh		
Line No.	Description	Reference	Residential	General / Lighting	Industrial
	Base Fuel Costs				
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2	Base Fuel Cost Component Projected Billing Period	Exhibit 3	1.7541	1.7541	1.7541
3	Total Base Fuel Cost Component		2.1105	2.1105	2.1105
	Capacity Related Costs		Cents / kWh		
4	PURPA Purchased Power Component Under / (Over) at September 2019	Exhibit 6 Page 1, 2, 3	(0.0250)	(0.0429)	(0.0350)
5	Capacity Related Cost Component Projected Billing Period	Exhibit 7	0.1351	0.0708	0.0481
6	Total Capacity Related Cost Component	Line 4 + 5	0.1101	0.0279	0.0131
	Distributed Energy Resource Progam Avoided Costs		Cents / kWh		
7	DERP Avoided Costs Component Under / (Over) at September 2019	Exhibit 12 Page 1,2,3	0.0001	(0.0001)	(0.0002)
8	DERP Avoided Costs Component Projected Billing Period	Exhibit 13	0.0025	0.0013	0.0009
9	Total DERP Avoided Costs Component	Line 7 + 8	0.0026	0.0012	0.0007
	Environmental Costs		Cents / kWh		
10	Environmental Component Under / (Over) at September 2019	Exhibit 4 Page 1, 2, 3	0.0096	(0.0017)	(0.0022)
11	Environmental Component Projected Billing Period	Exhibit 5	0.0507	0.0266	0.0180
12	Total Environmental Component	Line 10 + 11	0.0603	0.0249	0.0158
13	**Total Fuel Billing Factors**	Sum Line 3 + Line 6 + Line 9 + Line 12	**2.2835**	**2.1645**	**2.1401**

Distributed Energy Resource Program Incremental Cost per Account

			Residential	General Service	Industrial
	DERP Incremental Under / (Over) at September 2019				
14	Annual Charge / (Credit)	Exhibit 9	$ (1.51)	$ (4.77)	$ (230.71)
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	DERP Incremental Projected Billing Period				
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Totals may not sum due to rounding

DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
1	Coal		$ 79,886,104	$ 62,855,312	$ 68,408,695	$ 67,343,697	$ 37,787,575	$ 43,384,931
2	Gas		36,914,950	45,575,071	37,243,916	36,443,142	31,301,127	41,330,661
3	Nuclear Fuel		23,770,804	24,561,314	24,555,250	20,886,708	20,475,919	21,358,058
4	Purchased Power		23,849,355	37,871,044	37,835,866	44,342,725	46,650,064	39,500,513
5	Fuel Expense Recovered Through Intersystem Sales		(9,702,995)	(1,517,778)	(3,304,087)	(9,957,096)	(3,278,924)	(6,981,187)
6	Total Fuel Costs	Sum Lines 1 - 5	$ 154,718,218	$ 169,344,963	$ 164,739,641	$ 159,059,176	$ 132,935,761	$ 138,592,975
7	Eliminate Avoided Fuel Benefit of SC NEM		307,812	313,612	323,047	330,116	332,039	336,077
8	Adjusted System Fuel costs	Line 6 + Line 7	$ 155,026,030	$ 169,658,575	$ 165,062,688	$ 159,389,292	$ 133,267,800	$ 138,929,052
9	Total System KWH Sales		7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
10	Eliminate NEM Solar Generation kwhs		9,516,148	9,695,409	9,987,053	10,205,632	10,227,605	10,343,935
11	Adjusted Projected System kwh Sales	Line 9 + Line 10	8,009,317,385	8,486,873,480	8,267,869,991	9,507,963,860	6,345,056,567	6,681,164,890
12	System cost ¢/kwh	(Line 8 *100) / (Line 11)	1.9356	1.9991	1.9964	1.6764	2.1003	2.0794
13	Actual/Projected SC Retail Sales kWh (w/solar)		1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
14	Eliminate the NEM impact of Solar Generation kWhs		9,516,148	9,695,409	9,987,053	10,205,632	10,227,605	10,343,935
15	Adjusted Actual/Projected SC Retail Sales kWh (w/o solar)	Line 13 + Line 14	1,970,259,530	2,001,436,494	2,019,596,831	2,459,970,752	1,489,714,135	1,644,780,279
16	SC Base Fuel Costs	Line 12 * Line 15 /100	$ 38,135,773	$ 40,010,124	$ 40,319,948	$ 41,238,377	$ 31,289,070	$ 34,201,785
17	Assign 100% of avoided fuel benefit of SC NEM	-Line 7	(307,812)	(313,612)	(323,047)	(330,116)	(332,039)	(336,077)
18	Adjusted SC Base Fuel Costs	Line 16 + Line 17	$ 37,827,961	$ 39,696,512	$ 39,996,901	$ 40,908,261	$ 30,957,031	$ 33,865,708
19	Fuel Costs Collected - non capacity revenue	Company Record	$ 33,862,039	$ 34,397,368	$ 34,705,960	$ 42,307,443	$ 26,966,677	$ 32,093,709
20	Fuel Benefit given in SC NEM Incentive		(149,779)	(152,550)	(157,066)	(155,758)	(151,335)	(153,111)
21	Adjusted Fuel Costs Collected	Line 19 + Line 20	33,712,260	34,244,818	34,548,894	$ 42,151,685	26,815,342	31,940,598
22	(Over)/Under Current Month	Line 21-Line 18	$ 4,115,701	$ 5,451,694.29	$ 5,448,007	$ (1,243,424)	$ 4,141,689	$ 1,925,110
23	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	64,562,410	-	-	-	-	-
24	Adjustment		(20,332)	-	-	-	(1,252)	-
25	(Over)/Under Cumulative Balance	PM Cum Bal + Line 22 + Line 24	$ 68,657,779	$ 74,109,473	$ 79,557,480	$ 78,314,056	$ 82,454,493	$ 84,379,603

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
26	Coal		$ 48,664,815	$ 49,654,891	$ 16,745,387	$ 50,086,667	$ 46,160,016	$ 65,497,339	$ 636,475,429
27	Gas		36,859,395	48,099,484	38,527,613	28,869,577	20,975,375	33,385,397	435,525,707
28	Nuclear Fuel		23,069,842	24,333,126	22,036,626	22,301,225	18,932,863	23,519,194	269,800,929
29	Purchased Power		60,817,733	38,966,318	90,915,146	24,632,446	29,168,909	16,590,753	491,140,874
30	Fuel Expense Recovered Through Intersystem Sales		(7,350,981)	(12,402,097)	(3,599,063)	(7,592,387)	(6,831,303)	(7,795,568)	(80,313,467)
31	Total Fuel Costs	Sum Lines 26 - 30	$ 162,060,804	$ 148,651,722	$ 164,625,710	$ 118,297,528	$ 108,405,860	$ 131,197,115	$ 1,752,629,472
32	Eliminate Avoided Fuel Benefit of SC NEM		338,332	345,919	347,892	350,373	352,074	355,651	4,032,944
33	Adjusted System Fuel costs	Line 31 + Line 32	$ 162,399,136	$ 148,997,641	$ 164,973,602	$ 118,647,901	$ 108,757,934	$ 131,552,766	$ 1,756,662,416
34	Total System KWH Sales (w/solar)		7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
35	Eliminate NEM Solar Generation kwhs		10,412,429	10,645,948	10,706,640	10,783,000	10,835,324	10,945,408	124,304,531
36	Adjusted Projected System kwh Sales (w/o solar)	Line 34 + Line 35	7,500,839,324	7,570,888,821	7,430,788,664	6,521,808,145	6,367,436,322	6,726,545,218	89,416,552,667
37	System cost ¢/kwh	Line 33 / Line 36 * 100	2.1651	1.9680	2.2201	1.8192	1.7080	1.9557	
38	Actual/Projected SC Retail Sales kWh (w/solar)		1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
39	Eliminate the NEM impact of Solar Generation kWhs		10,412,429	10,645,948	10,706,640	10,783,000	10,835,324	10,945,408	124,304,531
40	Adjusted Actual/Projected SC Retail Sales kWh (w/o solar)	Line 38 + Line 39	1,807,572,190	1,804,193,304	1,816,482,977	1,574,347,949	1,584,730,992	1,678,909,620	21,851,995,053
41	SC Base Fuel Costs	Line 37 * Line 40 /100	$ 39,135,375	$ 35,507,132	$ 40,328,389	$ 28,641,302	$ 27,067,733	$ 32,834,865	428,709,875
42	Assign 100% of avoided fuel benefit of SC NEM	-Line 32	(338,332)	(345,919)	(347,892)	(350,373)	(352,074)	(355,651)	(4,032,944)
43	Adjusted SC Base Fuel Costs	Line 41 + Line 42	$ 38,797,043	$ 35,161,213	$ 39,980,497	$ 28,290,929	$ 26,715,659	$ 32,479,214	424,676,931
44	Fuel Costs Collected - non capacity revenue	Company Records	$ 35,310,595	$ 35,239,619	$ 35,479,893	$ 30,720,924	$ 30,923,902	$ 32,772,161	404,780,290
45	Fuel Benefit given in SC NEM Incentive		(144,085)	(147,256)	(148,085)	(149,143)	(149,859)	(151,381)	(1,809,408)
46	Adjusted Fuel Costs Collected	Line 44 + Line 45	$ 35,166,510	$ 35,092,363	$ 35,331,808	$ 30,571,781	$ 30,774,043	$ 32,620,780	402,970,882
47	(Over)/Under Current Month	Line 43 - Line 46	$ 3,630,533	$ 68,850	$ 4,648,688	$ (2,280,852)	$ (4,058,384)	$ (141,566)	$ 21,706,049
48	Adjustments		-	29,135				(58,780)	(51,231)
50	(Over)/Under Cumulative Balance	PM Line 50 + Line 47 + Line 48	$ 88,010,136	$ 88,108,121	$ 92,756,809	$ 90,475,957	$ 86,417,574	$ 86,217,228	$ 86,217,228

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.	Description	Reference	*Estimated* June 2019	*Estimated* July 2019	*Estimated* August 2019	*Estimated* September 2019
51	Coal		$ 60,828,963	$ 81,082,928	$ 77,420,069	$ 57,931,968
52	Gas		29,132,975	31,137,597	30,373,226	26,374,941
53	Nuclear Fuel		23,151,020	24,209,098	23,863,373	20,281,583
54	Purchased Power		27,968,319	30,194,308	28,282,417	28,400,426
55	Fuel Expense Recovered Through Intersystem Sales		(62,887)	(823,660)	(505,006)	(227,703)
56	Total Fuel Costs	Sum of Lines 51-55	$ 141,018,390	$ 165,800,272	$ 159,434,080	$ 132,761,216
57	Eliminate Avoided Fuel Benefit of SC NEM		427,930	414,192	373,514	344,605
58	Adjusted System Fuel costs	Line 56 + Line 57	$ 141,446,319	$ 166,214,464	$ 159,807,594	$ 133,105,821
59	Total Projected System KWH Sales (w/solar)		7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172
60	Eliminate NEM Solar Generation kwhs		13,167,066	12,744,382	11,492,743	10,603,218
61	Adjusted Projected System kwh Sales(w/o solar)	Line 59 and 60	7,110,958,740	8,141,412,647	8,691,820,374	8,139,631,391
62	System cost ¢/kwh	Line 58 / Line 61 * 100	1.9891	2.0416	1.8386	1.6353
63	Projected SC Retail Sales kWh (w/solar)		1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150
64	Assign 100% of avoided fuel benefit of SC NEM		13,167,066	12,744,382	11,492,743	10,603,218
65	Projected SC Retail Sales kWh (w/o solar)	Line 63 + Line 64	1,755,267,623	1,981,556,913	2,137,309,790	2,039,840,369
66	SC Base Fuel Costs	Line 65 * Line 62 / 100	$ 34,914,581	$ 40,455,316	$ 39,296,525	$ 33,357,116
67	Assign 100% of avoided fuel benefit of SC NEM		(427,930)	(414,192)	(373,514)	(344,605)
68	Adjusted SC Base Fuel Costs	Line 66 + Line 67	$ 34,486,651	$ 40,041,123	$ 38,923,011	$ 33,012,511
69	Estimated Base Fuel Cost Collected	Line 63 * 1.727 / 100	$ 34,228,792	$ 38,683,229	$ 41,768,053	$ 39,870,452
70	Fuel Benefit given in SC NEM Incentive		182,731	176,882	159,503	147,147
71	Adjusted Fuel Costs Collected	Line 69 + Line 70	$ 34,411,523	$ 38,860,111	$ 41,927,556	$ 40,017,599
72	(Over)/Under Current Month	Line 68 - Line 71	$ 75,129	$ 1,181,013	$ (3,004,545)	$ (7,005,088)
73	Adjustment		-	-	-	-
74	(Over)/Under Cumulative Balance	PM Cum bal + current mo. Lines 72 and 73	$ 86,292,356	$ 87,473,369	$ 84,468,824	$ 77,463,736
75	Estimated Interest on Deferred 2018 under-collection balance					$ 544,982
76	Total (Over)/Under Cumulative Balance	Line 74 + Line 75				$ 78,008,718
77	Projected SC Retail Sales kwhs (October 2019-September 2020)					21,886,062,443
78	SC Base Fuel Rate (cents / kWh)	Line 76 / Line 77 * 100				0.3564

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF PROJECTED BILLING PERIOD BASE FUEL COSTS BILLING FACTORS
FOR THE 12 MONTHS OCTOBER 2019 TO SEPTEMBER 2020

Line No.	Description	Reference	October 2019	November 2019	December 2019	January 2020	February 2020	March 2020
1	Coal		$ 41,252,633	$ 51,960,977	$ 52,956,356	$ 81,427,242	$ 77,351,494	$ 49,643,458
2	Gas		16,590,137	20,796,028	26,041,858	24,841,783	22,475,321	26,179,843
3	Nuclear Fuel		21,783,691	21,218,655	23,243,184	24,835,692	23,094,320	21,575,371
4	Purchased Power		22,922,319	28,521,640	29,524,243	14,982,864	15,971,356	29,387,794
5	Fuel Expense Recovered Through Intersystem Sales		(190,900)	(326,933)	(253,129)	(6,289,088)	(4,807,317)	(532,793)
6	Total Fuel Costs	Sum Lines 1 - 5	$ 102,357,881	$ 122,170,368	$ 131,512,511	$ 139,798,494	$ 134,085,174	$ 126,253,673
7	Eliminate Avoided Fuel Benefit of SC NEM		351,913	254,878	203,878	289,264	325,939	386,031
8	Adjusted System Fuel costs	Line 6 + Line 7	$ 102,709,794	$ 122,425,246	$ 131,716,389	$ 140,087,758	$ 134,411,113	$ 126,639,704
9	Total Projected System Sales kwhs (w/solar)		6,803,214,198	6,495,662,262	7,186,884,482	7,903,467,722	7,808,874,524	7,353,013,933
10	Eliminate NEM Solar Generation kwhs		10,819,149	7,835,922	6,267,988	8,893,091	10,020,613	11,868,059
11	Adjusted Projected System kwh Sales(w/o solar)	Line 9 + Line 10	6,814,033,348	6,503,498,184	7,193,152,470	7,912,360,812	7,818,895,138	7,364,881,993
12	System Cost per kwh (¢/kwh)	Line 8 / Line 11 * 100	1.5073	1.8825	1.8311	1.7705	1.7191	1.7195
13	Adjusted Projected SC Retail Sales kwhs(w/o solar)		1,717,069,835	1,628,905,252	1,758,565,782	1,911,997,118	1,915,487,947	1,835,240,173
14	SC Base Fuel Costs	Line 13 * Line 12 / 100	$ 25,881,865	$ 30,663,363	$ 32,201,727	$ 33,851,766	$ 32,928,293	$ 31,557,094
15	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)		(124,573)	(90,225)	(72,183)	(102,408)	(115,385)	(136,649)
16	Adjusted SC Base Fuel Costs	Line 14 + Line 15	$ 25,757,292	$ 30,573,138	$ 32,129,544	$ 33,749,358	$ 32,812,908	$ 31,420,445

Line No.	Description	Reference	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	12 Month Total
17	Coal		$ 40,782,963	$ 40,993,152	$ 53,395,223	$ 68,023,505	$ 62,801,602	$ 44,172,566	$ 664,761,172
18	Gas		20,470,419	31,860,652	31,518,064	36,442,096	35,409,002	31,914,085	324,539,286
19	Nuclear Fuel		19,515,653	18,884,771	23,234,465	23,981,600	23,947,922	21,341,714	266,657,039
20	Purchased Power		28,048,895	31,719,853	29,785,107	32,039,201	29,094,400	19,040,666	311,038,337
21	Fuel Expense Recovered Through Intersystem Sales		(44,433)	(192,423)	(173,430)	(870,135)	(321,552)	(110,712)	(14,112,844)
22	Total Fuel Costs	Sum Lines 17 through 22	$ 108,773,497	$ 123,266,005	$ 137,759,428	$ 159,616,268	$ 150,931,374	$ 116,358,318	$ 1,552,882,990
23	Eliminate Avoided Fuel Benefit of SC NEM		488,505	484,444	498,131	470,521	417,015	378,290	4,548,809
24	Adjusted System Fuel costs	Line 22 + Line 23	$ 109,262,002	$ 123,750,449	$ 138,257,559	$ 160,086,789	$ 151,348,389	$ 116,736,608	$ 1,557,431,799
25	Total Projected System Sales kwhs (w/solar)		6,672,124,994	6,463,555,894	7,048,447,873	8,241,762,239	8,635,074,609	8,178,560,496	88,790,643,227
26	Eliminate NEM Solar Generation kwhs		15,018,500	14,893,615	15,314,430	14,465,610	12,820,614	11,630,069	139,847,661
27	Adjusted Projected System kwh Sales(w/o solar)	Line 25 + Line 26	6,687,143,494	6,478,449,509	7,063,762,303	8,256,227,849	8,647,895,223	8,190,190,565	88,930,490,888
28	System Cost per kwh (¢/kwh)	Line 24 / Line 27 *100	1.6339	1.9102	1.9573	1.9390	1.7501	1.4253	1.7513
29	Adjusted Projected SC Retail Sales kwhs(w/o solar)		1,702,914,090	1,636,574,992	1,741,960,846	2,005,092,800	2,123,398,426	2,048,702,843	22,025,910,104
30	SC Base Fuel Costs	Line 28 * Line 29 / 100	$ 27,824,108	$ 31,261,630	$ 34,095,039	$ 38,878,393	$ 37,161,982	$ 29,200,617	$ 385,505,877
31	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)		(172,916)	(171,473)	(176,335)	(166,558)	(147,615)	(133,910)	(1,610,230)
32	Adjusted SC Base Fuel Costs	Line 30 + Line 31	$ 27,651,192	$ 31,090,157	$ 33,918,704	$ 38,711,834	$ 37,014,367	$ 29,066,708	$ 383,895,647
	Projected SC Retail Sales kWh (October 2019 - September 2020)								
33	Residential								6,728,320,673
34	General Service/Lighting								5,986,473,078
35	Industrial								9,171,268,692
36	Total SC	Sum Lines 33 through 35							21,886,062,443
37	SC Base Fuel Rate (cents / kWh)	Line 32 / Line 36 * 100							1.7541

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Residential		Residential
1	2017 Firm Coincident Peak CP %		38.68%	2018 Firm Coincident Peak CP %	51.25%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Total Reagents		$ 3,686,572	$ 3,020,625	$ 2,491,911	$ 2,357,510	$ 1,417,811	$ 1,653,035
3	Emission Allowances		365	484	367	432	413	195
4	Off-System Sales		(26,296)	(1,952)	(2,624)	(9,866)	(3,627)	(39,062)
5	Net Environmental Costs	Sum Lines 3 - 5	$ 3,660,641	$ 3,019,157	$ 2,489,653	$ 2,348,076	$ 1,414,597	$ 1,614,168
6	Total System KWH Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
7	Environmental System Costs Incurred (¢ per Kwh)	Line 5 / Line 6 * 100	0.0458	0.0356	0.0301	0.0247	0.0223	0.0242
8	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
9	SC Environmental Costs	Line 7 * Line 8 / 100	$ 897,219	$ 709,361	$ 605,873	$ 605,642	$ 330,377	$ 395,492
10	Residential Environmental Cost Allocated by Firm CP	Line 9 * Line 1	$ 348,492	$ 275,525	$ 235,329	$ 234,274	$ 127,796	$ 152,984
11	SC Residential kWh Sales		609,213,656	685,061,515	638,545,237	696,736,494	491,727,445	435,458,622
12	SC Residential Environmental Cost Incurred (¢ per Kwh)	Line 10 / Line 11 * 100	0.0572	0.0402	0.0369	0.0336	0.0260	0.0351
13	SC Residential Environmental Cost Billed (¢ per Kwh)	Company records	0.0331	0.0331	0.0331	0.0331	0.0265	0.0167
14	SC Residential Environmental Costs (Over) / Under Recovery	(-Line 13 + Line 12)*Line 11 /100	$ 146,842	$ 48,770	$ 23,971	$ 3,654	$ (2,312)	$ 80,334
15	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ (1,147,694)					
16	Accounting Adjustment(s)					$ (3,528)		
17	Cumulative SC Residential Environmental Costs (Over) / Under Recovery	Line 14 + Line 16 + PM Cum Bal	$ (1,000,852)	$ (952,082)	$ (928,112)	$ (927,985)	$ (930,297)	$ (849,963)

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
18	Total Reagents		$ 1,549,133	$ 1,792,047	$ 782,718	$ 1,562,451	$ 1,467,946	$ 1,999,466	$ 23,781,226
19	Emission Allowances		305	258	230	-	191	(21)	3,218
20	Off-System Sales		(9,758)	(57,154)	4,755	(60,062)	(43,640)	(105,980)	(355,266)
21	Net Environmental Costs	Sum Lines 18 - 20	$ 1,539,681	$ 1,735,151	$ 787,703	$ 1,502,389	$ 1,424,497	$ 1,893,465	$ 23,429,178
22	Total System KWH Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
23	Environmental System Costs Incurred (¢ per Kwh)	Line 21 / Line 22* 100	0.0206	0.0230	0.0106	0.0231	0.0224	0.0282	
24	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
25	SC Environmental Costs	Line 23 * Line 24/ 100	$ 369,412	$ 411,636	$ 191,698	$ 360,785	$ 352,706	$ 470,283	$ 5,700,485
26	Residential Environmental Cost Allocated by Firm CP	Line 25 * Line 1	$ 142,896	$ 210,964	$ 98,245	$ 184,903	$ 180,762	$ 241,021	$ 2,433,190
27	SC Residential kWh Sales		628,501,539	657,177,943	610,321,704	480,884,048	414,875,999	447,612,785	6,796,116,987
28	SC Residential Environmental Cost Incurred (¢ per Kwh)	Line 26 / Line 27 * 100	0.0227	0.0321	0.0161	0.0385	0.0436	0.0538	
29	SC Residential Environmental Cost Billed (¢ per Kwh)	Company records	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	
30	SC Residential Environmental Costs (Over) / Under Recovery	(-Line 29 + Line 28)*Line 27 /100	$ 38,565	$ 101,872	$ (3,068)	$ 105,076	$ 111,893	$ 166,717	$ 822,315
31	Accounting Adjustment(s)								(3,528)
32	Cumulative SC Residential Environmental Costs (Over) / Under Recovery	Line 30 + Line 31 + PM Cum Bal	$ (811,397)	$ (709,525)	$ (712,593)	$ (607,517)	$ (495,624)	$ (328,907)	$ (328,907)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Residential		Residential
1	2017 Firm Coincident Peak CP %		38.68%	2018 Firm Coincident Peak CP %	51.25%

Line No.	Description	Reference	*Estimated June 2019*	*Estimated July 2019*	*Estimated August 2019*	*Estimated September 2019*
33	Total Reagents		$ 2,279,328	$ 3,177,248	$ 3,131,075	$ 2,379,370
34	Emission Allowances		337	517	513	348
35	Off-System Sales		(935)	(12,520)	(7,668)	(3,445)
36	Net Environmental Costs	Sum Lines 33- 35	$ 2,278,729	$ 3,165,244	$ 3,123,920	$ 2,376,273
37	Total Projected System Sales kwhs (w/solar)	Exhibit 2	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172
38	Environmental System Costs Incurred (¢ per Kwh)	Line 36 / Line 37* 100	0.0321	0.0389	0.0360	0.0292
39	Projected SC Retail Sales kWh	Exhibit 2	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150
40	SC Environmental Costs	Line 38 * Line 39/ 100	$ 559,297	$ 766,641	$ 765,050	$ 593,186
41	Residential Environmental Cost Allocated by Firm CP	Line 40 * Line 1	$ 286,640	$ 392,905	$ 392,089	$ 304,008
42	SC Projected Residential kWh Sales		486,895,816	619,213,465	687,169,454	628,981,205
43	SC Residential Environmental Cost Incurred (¢ per Kwh)	Line 41 / Line 42 * 100	0.0589	0.0635	0.0571	0.0483
44	SC Residential Environmental Cost Billed (¢ per Kwh)	Company records	0.0166	0.0166	0.0166	0.0166
45	SC Residential Environmental Costs (Over) / Under Recovery	(-Line 44 + Line 43) * Line 42 /100	$ 205,816	$ 290,115	$ 278,019	$ 199,597
46	Cumulative SC Residential Environmental Costs (Over) / Under Recovery	Line 45 + PM Cum Bal	$ (123,092)	$ 167,023	$ 445,042	$ 644,640
47	SC Projected Residential Sales (October 2019-September 2020)	Exhibit 3				6,728,320,673
48	SC Residential Environmental Increment / (Decrement) (¢ per Kwh)	Line 46 / Line 47 * 100				0.0096

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE/LIGHTING
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			General Service / Lighting		General Service / Lighting
1	2017 Firm Coincident Peak CP %		28.28%	2018 Firm Coincident Peak CP %	23.90%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Total Reagents		$ 3,686,572	$ 3,020,625	$ 2,491,911	$ 2,357,510	$ 1,417,811	$ 1,653,035
3	Emission Allowances		365	484	367	432	413	195
4	Off-System Sales		(26,296)	(1,952)	(2,624)	(9,866)	(3,627)	(39,062)
5	Net Environmental Costs	Sum Lines 3 - 5	$ 3,660,641	$ 3,019,157	$ 2,489,653	$ 2,348,076	$ 1,414,597	$ 1,614,168
6	Total System KWH Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
7	Environmental System Costs Incurred (¢ per Kwh)	Line 5 / Line 6 * 100	0.0458	0.0356	0.0301	0.0247	0.0223	0.0242
8	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
9	SC Environmental Costs	Line 7 * Line 8 / 100	$ 897,219	$ 709,361	$ 605,873	$ 605,641	$ 330,376	$ 395,492
10	General Service / Lighting Environmental Cost Allocated by Firm CP	Line 9 * Line 1	$ 253,208	$ 200,192	$ 170,986	$ 171,296	$ 93,442	$ 111,859
11	SC General Service / Lighting kWh Sales		532,609,815	555,007,748	534,768,585	608,217,191	471,984,556	426,666,805
12	SC General Service / Lighting Environmental Cost Incurred (¢ per Kwh)	Line 10 / Line 11 * 100	0.0475	0.0361	0.0320	0.0282	0.0198	0.0262
13	SC General Service / Lighting Environmental Cost Billed (¢ per Kwh)	Company records	0.0415	0.0415	0.0415	0.0415	0.0326	0.0194
14	SC General Service / Lighting Environmental Costs (Over) / Under Recovery	(-Line 13 + Line 12)*Line 11 /100	$ 32,175	$ (30,136)	$ (50,943)	$ (81,114)	$ (60,262)	$ 29,032
15	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ (178,848)					
16	Accounting Adjustment(s)					1,373		
17	Cumulative SC General Service / Lighting Environmental Costs (Over) / Under Recovery	Line 14 + Line 16 + PM Cum Bal	$ (146,673)	$ (176,809)	$ (227,752)	$ (307,493)	$ (367,755)	$ (338,723)

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
18	Total Reagents		$ 1,549,133	$ 1,792,047	$ 782,718	$ 1,562,451	$ 1,467,946	$ 1,999,466	$ 23,781,226
19	Emission Allowances		305	258	230	-	$ 191	(21)	3,218
20	Off-System Sales		(9,758)	(57,154)	4,755	(60,062)	$ (43,640)	(105,980)	(355,266)
21	Net Environmental Costs	Sum Lines 18 - 20	$ 1,539,681	$ 1,735,151	$ 787,703	$ 1,502,389	$ 1,424,497	$ 1,893,465	$ 23,429,178
22	Total System KWH Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
23	Environmental System Costs Incurred (¢ per Kwh)	Line 21 / Line 22* 100	0.0206	0.0230	0.0106	0.0231	0.0224	0.0282	
24	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
25	SC Environmental Costs	Line 23 * Line 24/ 100	$ 369,412	$ 411,637	$ 191,698	$ 360,785	$ 352,706	$ 470,283	$ 5,700,484
26	General Service / Lighting Environmental Cost Allocated by Firm CP	Line 25 * Line 1	$ 104,482	$ 98,386	$ 45,818	$ 86,232	$ 84,301	$ 112,403	$ 1,532,605
27	SC General Service / Lighting kWh Sales		445,252,198	455,887,041	446,297,147	406,630,406	413,949,578	461,349,327	5,758,620,397
28	SC General Service / Lighting Environmental Cost Incurred (¢ per Kwh)	Line 26 / Line 27 * 100	0.0235	0.0216	0.0103	0.0212	0.0204	0.0244	
29	SC General Service / Lighting Environmental Cost Billed (¢ per Kwh)	Company Records	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	
30	SC General Service / Lighting Environmental Costs (Over) / Under Recovery	(-Line 29 + Line 28)*Line 27 /100	$ 18,548	$ 10,400	$ (40,317)	$ 7,752	$ 4,409	$ 23,363	$ (137,094)
31	Accounting Adjustment(s)								$ 1,373
32	Cumulative SC General Service / Lighting Environmental Costs (Over) / Under Recovery	Line 30 + Line 31 + PM Cum Bal	$ (320,175)	$ (309,775)	$ (350,093)	$ (342,340)	$ (337,932)	$ (314,569)	$ (314,569)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE/ LIGHTING
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			
		General Service / Lighting	**General Service /Lighting**
1	2017 Firm Coincident Peak CP %	28.28%	2018 Firm Coincident Peak CP % 23.90%

Line No.	Description	Reference	*Estimated* June 2019	*Estimated* July 2019	*Estimated* August 2019	*Estimated* September 2019
33	Total Reagents		$ 2,279,328	$ 3,177,248	$ 3,131,075	$ 2,379,370
34	Emission Allowances		337	517	513	348
35	Off-System Sales		(935)	(12,520)	(7,668)	(3,445)
36	Net Environmental Costs	Sum Lines 33 - 35	$ 2,278,729	$ 3,165,244	$ 3,123,920	$ 2,376,273
37	Total Projected System Sales kwhs (w/solar)		7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172
38	Environmental System Costs Incurred (¢ per Kwh)	Line 36 / Line 37* 100	0.0321	0.0389	0.0360	0.0292
39	Projected SC Retail Sales kWh		1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150
40	SC Environmental Costs	Line 38 * Line 39/ 100	$ 559,297	$ 766,641	$ 765,050	$ 593,186
41	General Service / Lighting Environmental Cost Allocated by Firm CP	Line 40 * Line 1	$ 133,679	$ 183,236	$ 182,856	$ 141,778
42	SC Projected General Service / Lighting kWh Sales		503,131,126	558,701,811	586,229,211	562,074,280
43	SC General Service / Lighting Environmental Cost Incurred (¢ per Kwh)	Line 41 / Line 42 * 100	0.0266	0.0328	0.0312	0.0252
44	SC General Service / Lighting Environmental Cost Billed (¢ per Kwh)	Company Records	0.0193	0.0193	0.0193	0.0193
45	SC General Service / Lighting Environmental Costs (Over) / Under Recovery	(-Line 44 + Line 43) * Line 42 /100	$ 36,574	$ 75,407	$ 69,714	$ 33,298
46	Cumulative SC General Service / Lighting Environmental Costs (Over) / Under Recovery	Line 45 + PM Cum Bal	$ (277,994)	$ (202,588)	$ (132,874)	$ (99,576)
47	SC Projected General Service / Lighting Sales (October 2019 - September 2020)	Exhibit 3				5,986,473,078
48	SC General Service / Lighting Environmental Increment / (Decrement) (¢ per Kwh)	Line 46 / Line 47 * 100				(0.0017)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-INDUSTRIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Industrial		Industrial
1	2017 Firm Coincident Peak CP %		33.03%	2018 Firm Coincident Peak CP %	24.85%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Total Reagents		$ 3,686,572	$ 3,020,625	$ 2,491,911	$ 2,357,510	$ 1,417,811	$ 1,653,035
3	Emission Allowances		365	484	367	432	413	195
4	Off-System Sales		(26,296)	(1,952)	(2,624)	(9,866)	(3,627)	(39,062)
5	Net Environmental Costs	Sum Lines 3 - 5	$ 3,660,641	$ 3,019,157	$ 2,489,653	$ 2,348,076	$ 1,414,597	$ 1,614,168
6	Total System KWH Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
7	Environmental System Costs Incurred (¢ per Kwh)	Line 5 / Line 6 * 100	0.0458	0.0356	0.0301	0.0247	0.0223	0.0242
8	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
9	SC Environmental Costs	Line 7 * Line 8 / 100	$ 897,219	$ 709,361	$ 605,873	$ 605,641	$ 330,376	$ 395,492
10	Industrial Environmental Cost Allocated by Firm CP	Line 9 * Line 1	$ 295,519	$ 233,644	$ 199,558	$ 200,072	$ 109,139	$ 130,649
11	SC Industrial kWh Sales		818,919,911	751,671,822	836,295,956	1,144,811,435	515,774,529	772,310,917
12	SC Industrial Environmental Cost Incurred (¢ per Kwh)	Line 10 / Line 11 * 100	0.0361	0.0311	0.0239	0.0175	0.0212	0.0169
13	SC Industrial Environmental Cost Billed (¢ per Kwh)	Company records	0.0267	0.0267	0.0267	0.0267	0.0227	0.0169
14	SC Industrial Environmental Costs (Over) / Under Recovery	(-Line 13 + Line 12)*Line 11 /100	$ 76,867	$ 32,948	$ (23,733)	$ (105,593)	$ (8,022)	$ 513
15	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ (135,329)					
16	Accounting Adjustment(s)					$ 2,155		
17	Cumulative SC Industrial Environmental Costs (Over) / Under Recovery	Line 14 + Line 16 + PM Cum Bal	$ (58,462)	$ (25,514)	$ (49,247)	$ (152,685)	$ (160,707)	$ (160,194)

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
18	Total Reagents		$ 1,549,133	$ 1,792,047	$ 782,718	$ 1,562,451	$ 1,467,946	$ 1,999,466	$ 23,781,226
19	Emission Allowances		305	258	230	-	191	(21)	3,218
20	Off-System Sales		(9,758)	(57,154)	4,755	(60,062)	(43,640)	(105,980)	(355,266)
21	Net Environmental Costs	Sum Lines 18 - 20	$ 1,539,681	$ 1,735,151	$ 787,703	$ 1,502,389	$ 1,424,497	$ 1,893,465	$ 23,429,178
22	Total System KWH Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
23	Environmental System Costs Incurred (¢ per Kwh)	Line 21 / Line 22* 100	0.0206	0.0230	0.0106	0.0231	0.0224	0.0282	
24	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
25	SC Environmental Costs	Line 23 * Line 24/ 100	$ 369,412	$ 411,637	$ 191,698	$ 360,785	$ 352,706	$ 470,283	$ 5,700,484
26	Industrial Environmental Cost Allocated by Firm CP	Line 25 * Line 1	$ 122,034	$ 102,286	$ 47,634	$ 89,650	$ 87,643	$ 116,859	$ 1,734,688
27	SC Industrial kWh Sales		723,406,024	680,482,372	749,157,486	676,050,495	745,070,091	759,002,100	9,172,953,138
28	SC Industrial Environmental Cost Incurred (¢ per Kwh)	Line 26 / Line 27 * 100	0.0169	0.0150	0.0064	0.0133	0.0118	0.0154	
29	SC Industrial Environmental Cost Billed (¢ per Kwh)	Company Records	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	
30	SC Industrial Environmental Costs (Over) / Under Recovery	(-Line 29 + Line 28)*Line 27 /100	$ 502	$ (12,035)	$ (78,224)	$ (23,926)	$ (37,529)	$ (10,653)	$ (188,885)
31	Accounting Adjustment(s)								$ 2,155
32	Cumulative SC Industrial Environmental Costs (Over) / Under Recovery	Line 30 + Line 31 + PM Cum Bal	$ (159,693)	$ (171,727)	$ (249,951)	$ (273,877)	$ (311,406)	$ (322,059)	$ (322,059)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-INDUSTRIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Industrial		Industrial
1	2017 Firm Coincident Peak CP %		33.03%	2018 Firm Coincident Peak CP %	24.85%

Line No.	Description	Reference	Estimated June 2019	Estimated July 2019	Estimated August 2019	Estimated September 2019
34	Total Reagents		$ 2,279,328	$ 3,177,248	$ 3,131,075	$ 2,379,370
35	Emission Allowances		337	517	513	348
36	Off-System Sales		(935)	(12,520)	(7,668)	(3,445)
37	Net Environmental Costs	Sum Lines 33 - 35	$ 2,278,729	$ 3,165,244	$ 3,123,920	$ 2,376,273
38	Total Projected System Sales kwhs w/solar	Exhibit 2	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172
39	Environmental System Costs Incurred (¢ per Kwh)	Line 36 / Line 37* 100	0.0321	0.0389	0.0360	0.0292
40	Projected SC Retail Sales kWh	Exhibit 2	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150
41	SC Environmental Costs	Line 38 * Line 39/ 100	$ 559,297	$ 766,641	$ 765,050	$ 593,186
42	Industrial Environmental Cost Allocated by Firm CP	Line 40 * Line 1	$ 138,978	$ 190,500	$ 190,105	$ 147,399
43	SC Projected Industrial kWh Sales		752,073,616	790,897,255	852,418,383	838,181,666
44	SC Industrial Environmental Cost Incurred (¢ per Kwh)	Line 41 / Line 42 * 100	0.0185	0.0241	0.0223	0.0176
45	SC Industrial Environmental Cost Billed (¢ per Kwh)	Company records	0.0168	0.0168	0.0168	0.0168
46	SC Industrial Environmental Costs (Over) / Under Recovery	(-Line 44 + Line 43) * Line 42 /100	$ 12,630	$ 57,630	$ 46,899	$ 6,584
47	Cumulative SC Industrial Environmental Costs (Over) / Under Recovery	Line 45 + PM Cum Bal	$ (309,430)	$ (251,800)	$ (204,901)	$ (198,317)
48	SC Projected Industrial Sales (October 2019 - September 2020)	Exhibit 3				9,171,268,692
49	SC Industrial Environmental Increment / (Decrement) (¢ per Kwh)	Line 46 / Line 47 * 100				(0.0022)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD ENVIRONMENTAL COSTS
FOR THE 12 MONTHS OCTOBER 2019 TO SEPTEMBER 2020

Line No.	Class	2018 Firm Coincident Peak (CP) KWs	CP %
1	Residential	2,055,870	51.25%
2	General Service / Lighting	958,783	23.90%
3	Industrial	996,792	24.85%
	Total SC	4,011,445	100.00%

Line No.	Description	Reference	October 2019	November 2019	December 2019	January 2020	February 2020	March 2020
4	Total Reagents		$ 1,695,592	$ 2,130,562	$ 2,113,351	$ 3,348,111	$ 3,183,158	$ 1,894,643
5	Emission Allowances		235	321	343	458	455	305
6	Estimated Off-system Sales		(2,884)	(4,956)	(3,832)	(95,750)	(73,185)	(8,091)
7	Net Environmental Costs	Sum Lines 4 - 6	$ 1,692,944	$ 2,125,927	$ 2,109,862	$ 3,252,819	$ 3,110,428	$ 1,886,858
8	Total Projected System Sales kwhs (w/solar)	Exhibit 3	6,803,214,198	6,495,662,262	7,186,884,482	7,903,467,722	7,808,874,524	7,353,013,933
9	Environmental System Costs Incurred (¢ per Kwh)	Line 7 / Line 8 *100	0.0249	0.0327	0.0294	0.0412	0.0398	0.0257
10	Projected SC Retail Sales kWh	Exhibit 3	1,706,250,685	1,621,069,330	1,752,297,794	1,903,104,027	1,905,467,334	1,823,372,113
11	SC Environmental Costs	Line 9 * Line 10 /100	$ 424,591	$ 530,550	$ 514,424	$ 783,258	$ 758,985	$ 467,896

Line No.	Description	Reference	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	12 Month Total
12	Total Reagents		$ 1,474,473	$ 1,588,860	$ 2,258,568	$ 2,960,326	$ 2,766,277	$ 1,889,561	$ 27,303,485
13	Emission Allowances		227	208	324	452	426	276	4,031
14	Estimated Off-system Sales		(654)	(2,907)	(2,618)	(13,228)	(4,874)	(1,663)	(214,642)
15	Net Environmental Costs	Sum Lines 12 - 14	$ 1,474,046	$ 1,586,161	$ 2,256,274	$ 2,947,551	$ 2,761,830	$ 1,888,174	$ 27,092,874
16	Total Projected System Sales kwhs (w/solar)	Exhibit 3	6,672,124,994	6,463,555,894	7,048,447,873	8,241,762,239	8,635,074,609	8,178,560,496	88,790,643,227
17	Environmental System Costs Incurred (¢ per Kwh)	Line 15 / Line 16 *100	0.0221	0.0245	0.0320	0.0358	0.0320	0.0231	
18	Projected SC Retail Sales kWh	Exhibit 3	1,687,895,589	1,621,681,377	1,726,646,416	1,990,627,190	2,110,577,812	2,037,072,774	21,886,062,443
19	SC Environmental Costs	Line 17 * Line 18 /100	$ 372,900	$ 397,962	$ 552,716	$ 711,920	$ 675,044	$ 470,296	$ 6,660,542
	SC Environmental Costs Allocated on Firm CP kWs								
20	Residential	Total Line 19 * Line 1							$ 3,413,535
21	General Service / Lighting	Total Line 19 * Line 2							$ 1,591,949
22	Industrial	Total Line 19 * Line 3							$ 1,655,058
23	Total SC	Sum Lines 20 through 22							$ 6,660,542
	Projected SC Retail Sales kWh (October 2019 - September 2020)								
24	Residential	Exhibit 3							6,728,320,673
25	General Service / Lighting	Exhibit 3							5,986,473,078
26	Industrial	Exhibit 3							9,171,268,692
27	Total SC	Sum Lines 24 through 26							21,886,062,443
	SC Enviromental Costs ¢/kWh								
28	Residential	Line 20 / Line 24 * 100							0.0507
29	General Service / Lighting	Line 21 / Line 25 * 100							0.0266
30	Industrial	Line 22 / Line 26 * 100							0.0180

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Residential		Residential
1	2017 Firm Coincident Peak CP %	38.68%		2018 Firm Coincident Peak CP %	51.25%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Total PURPA Purchased Power Capacity Costs		$ 2,213,593	$ 6,677,009	$ 6,553,797	$ 4,333,985	$ 2,785,778	$ 1,113,419
3	Firm Natural Gas Transportation and Storage Costs		3,583,325	3,268,622	3,011,807	2,799,319	2,124,882	3,806,403
4	Total Capacity Related Costs	Line 2 + Line 3	$ 5,796,918	$ 9,945,631	$ 9,565,603	$ 7,133,305	$ 4,910,660	$ 4,919,822
5	Total System kWh Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
6	Capacity Related System Costs Incurred (¢/kWh)	Line 4 / Line 5* 100	0.0725	0.1173	0.1158	0.0751	0.0775	0.0738
7	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
8	SC Capacity Related Cost Incurred	Line 6 * Line 7 / 100	$ 1,420,819	$ 2,336,759	$ 2,327,852	$ 1,839,900	$ 1,146,875	$ 1,205,419
9	Residential Capacity Related Cost Allocated by Firm CP	Line 8 * Line 1	$ 551,865	$ 907,629	$ 904,169	$ 711,708	$ 443,633	$ 466,279
10	SC Residential kWh Sales		609,213,656	685,061,515	638,545,237	696,736,494	491,727,445	435,458,622
11	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 9 / Line 10 * 100	0.0906	0.1325	0.1416	0.1021	0.0902	0.1071
12	SC Residential Billed (¢/kWh)	Company Records	0.1183	0.1183	0.1183	0.1183	0.1220	0.1274
13	SC Capacity Related (Over) / Under Recovery	(-Line 12 + Line 11)* Line 10 / 100	$ (168,835)	$ 97,201	$ 148,770	$ (112,531)	$ (156,090)	$ (88,294)
14	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ (967,644)					
15	Accounting Adjustment(s)					$ (9,703)	$ 483	
16	Cumulative SC Residential Capacity Related (Over) / Under Recovery	Line 13 + Prior Month Cum Bal	$ (1,136,479)	$ (1,039,278)	$ (890,508)	$ (1,012,742)	$ (1,168,348)	$ (1,256,642)

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
17	Total PURPA Purchased Power Capacity Costs		$ 965,775	$ 1,276,118	$ 1,480,302	$ 1,190,304	$ 1,342,185	$ 1,317,666	$ 31,249,932
18	Firm Natural Gas Transportation and Storage Costs		3,076,433	3,526,014	3,209,171	3,363,071	3,025,372	5,034,913	39,829,332
19	Total Capacity Related Costs	Line 17 + Line 18	$ 4,042,207	$ 4,802,132	$ 4,689,474	$ 4,553,375	$ 4,367,558	$ 6,352,579	$ 71,079,263
20	Total System kWh Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
21	Capacity Related System Costs Incurred (¢/kWh)	Line 19 / Line 20* 100	0.0540	0.0635	0.0632	0.0699	0.0687	0.0946	
22	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
23	SC Capacity Related Cost Incurred	Line 21 * Line 22 / 100	$ 969,837	$ 1,139,230	$ 1,141,246	$ 1,093,452	$ 1,081,407	$ 1,577,800	$ 17,295,883
24	Residential PURPA Capacity Related Cost Allocated by Firm CP	Line 23 * Line 1	$ 375,151	$ 583,857	$ 584,890	$ 560,395	$ 554,222	$ 808,624	$ 7,452,423
25	SC Residential kWh Sales		628,501,539	657,177,943	610,321,704	480,884,048	414,875,999	447,612,785	6,796,116,987
26	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 24 / Line 25 * 100	0.0597	0.0888	0.0958	0.1165	0.1336	0.1807	
27	SC Residential Billed (¢/kWh)	Company Records	0.1274	0.1274	0.1274	0.1274	0.1274	0.1274	
28	SC Capacity Related (Over) / Under Recovery	(-Line 27 + Line 26)*Line 25 / 100	$ (425,560)	$ (253,389)	$ (192,660)	$ (52,250)	$ 25,670	$ 238,365	$ (939,602)
29	Accounting Adjustment(s)								$ (9,220)
30	Cumulative SC Residential Capacity Related (Over) / Under Recovery	Line 28 + Line 29 + PM Cum Bal	$ (1,682,202)	$ (1,935,591)	$ (2,128,251)	$ (2,180,501)	$ (2,154,831)	$ (1,916,466)	$ (1,916,466)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Residential		Residential
1	2017 Firm Coincident Peak CP %		38.68%	2018 Firm Coincident Peak CP %	51.25%

Line No.	Description	Reference	*Estimated June 2019*	*Estimated July 2019*	*Estimated August 2019*	*Estimated September 2019*
31	Total PURPA Purchased Power Capacity Costs		$ 2,628,938	$ 3,620,857	$ 3,550,928	$ 2,060,772
32	Firm Natural Gas Transportation and Storage Costs		3,762,225	3,715,077	3,719,537	3,368,219
33	Total Capacity Related Costs	Line 29 + Line 30	$ 6,391,162	$ 7,335,935	$ 7,270,466	$ 5,428,992
34	Total System kWh Sales	Exhibit 2	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172
35	Capacity Related System Costs Incurred (¢/kWh)	Line 31 / Line 32* 100	0.0900	0.0902	0.0838	0.0668
36	SC Retail Sales kWh	Exhibit 2	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150
37	SC Capacity Related Cost Incurred	Line 33 * Line 34 / 100	$ 1,568,664	$ 1,776,808	$ 1,780,541	$ 1,355,231
38	Residential Capacity Related Cost Allocated by Firm CP	Line 35 * Line 1	$ 803,942	$ 910,616	$ 912,529	$ 694,557
39	SC Projected Residential kWh Sales		486,895,816	619,213,465	687,169,454	628,981,205
40	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 36 / Line 37 * 100	0.1651	0.1471	0.1328	0.1104
41	SC Residential Billed (¢/kWh)	Docket No. 2017-3-E	0.1274	0.1274	0.1274	0.1274
42	SC Capacity Related (Over) / Under Recovery	(-Line 39 + Line 38)*Line 37 /100	$ 183,637	$ 121,738	$ 37,075	$ (106,765)
43	Cumulative SC Residential Capacity Related (Over) / Under Recovery	Line 40 + Prior Month Cum Bal	$ (1,732,829)	$ (1,611,091)	$ (1,574,016)	$ (1,680,781)
44	SC Projected Residential Sales (October 2019-September 2020)	Exhibit 3				6,728,320,673
45	SC Residential Capacity Related Increment / (Decrement) (¢/kWh)	Line 41 / Line 42* 100				(0.0250)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE/ LIGHTING
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			General Service / Lighting		General Service / Lighting
1	2017 Firm Coincident Peak CP %	28.28%	2018 Firm Coincident Peak CP %	23.90%	

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Total PURPA Purchased Power Capacity Costs		$ 2,213,593	$ 6,677,009	$ 6,553,797	$ 4,333,985	$ 2,785,778	$ 1,113,419
3	Firm Natural Gas Transportation and Storage Costs		$ 3,583,325	$ 3,268,622	$ 3,011,807	$ 2,799,319	$ 2,124,882	$ 3,806,403
4	Total Capacity Related Costs	Line 2 + Line 3	$ 5,796,918	$ 9,945,631	$ 9,565,603	$ 7,133,305	$ 4,910,660	$ 4,919,822
5	Total System kWh Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
6	Capacity Related System Costs Incurred (¢/kWh)	Line 4 / Line 5* 100	0.0725	0.1173	0.1158	0.0751	0.0775	0.0738
7	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
8	SC Capacity Related Cost Incurred	Line 6 * Line 7 / 100	$ 1,420,819	$ 2,336,759	$ 2,327,852	$ 1,839,900	$ 1,146,875	$ 1,205,419
9	General Service / Lighting Capacity Related Cost Allocated by Firm CP	Line 8 * Line 1	$ 400,975	$ 659,466	$ 656,953	$ 520,387	$ 324,376	$ 340,934
10	SC General Service / Lighting kWh Sales		532,609,815	555,007,748	534,768,585	608,217,191	471,984,556	426,666,805
11	SC General Service / Lighting Capacity Related Cost Incurred (¢/kWh)	Line 9 / Line 10 * 100	0.0753	0.1188	0.1228	0.0856	0.0687	0.0799
12	SC General Service / Lighting Billed (¢/kWh)	Company Records	0.0959	0.0959	0.0959	0.0959	0.1039	0.1157
13	SC Capacity Related (Over) / Under Recovery	(-Line 12 + Line 11)* Line 10 / 100	$ (109,798)	$ 127,214	$ 144,110	$ (62,893)	$ (166,058)	$ (152,716)
14	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ (11,852)					
15	Accounting Adjustment(s)					$ 3,775	$ 353	
16	Cumulative SC General Service / Lighting Capacity Related (Over) / Under Recovery	Line 13 + Prior Month Cum Bal	$ (121,650)	$ 5,564	$ 149,674	$ 90,556	$ (75,148)	$ (227,864)

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
17	Total PURPA Purchased Power Capacity Costs		$ 965,775	$ 1,276,118	$ 1,480,302	$ 1,190,304	$ 1,342,185	$ 1,317,666	$ 31,249,932
18	Firm Natural Gas Transportation and Storage Costs		$ 3,076,433	$ 3,526,014	$ 3,209,171	$ 3,363,071	$ 3,025,372	$ 5,034,913	$ 39,829,332
19	Total Capacity Related Costs	Line 17 + Line 18	$ 4,042,207	$ 4,802,132	$ 4,689,474	$ 4,553,375	$ 4,367,558	$ 6,352,579	$ 71,079,263
20	Total System kWh Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
21	Capacity Related System Costs Incurred (¢/kWh)	Line 19 / Line 20* 100	0.0540	0.0635	0.0632	0.0699	0.0687	0.0946	
22	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
23	SC Capacity Related Cost Incurred	Line 21 * Line 22 / 100	$ 969,837	$ 1,139,229	$ 1,141,246	$ 1,093,453	$ 1,081,408	$ 1,577,800	$ 17,280,597
24	General Service / Lighting Capacity Related Cost Allocated by Firm CP	Line 23 * Line 1	$ 274,303	$ 272,289	$ 272,771	$ 261,348	$ 258,469	$ 377,113	$ 4,619,385
25	SC General Service / Lighting kWh Sales		445,252,198	455,887,041	446,297,147	406,630,406	413,949,578	461,349,327	5,758,620,397
26	SC General Service / Lighting Capacity Related Cost Incurred (¢/kWh)	Line 24 / Line 25 * 100	0.0616	0.0597	0.0611	0.0643	0.0624	0.0817	
27	SC General Service / Lighting Billed (¢/kWh)	Company Records	0.1158	0.1158	0.1158	0.1158	0.1158	0.1158	
28	SC Capacity Related (Over) / Under Recovery	(-Line 27 + Line 26)*Line 25 / 100	$ (241,299)	$ (255,627)	$ (244,041)	$ (209,530)	$ (220,884)	$ (157,131)	$ (1,548,652)
29	Accounting Adjustment(s)								$ 4,128
30	Cumulative SC General Service / Lighting Capacity Related (Over) / Under Recovery	Line 28 + Line 29 + PM Cum Bal	$ (469,163)	$ (724,790)	$ (968,830)	$ (1,178,360)	$ (1,399,245)	$ (1,556,375)	$ (1,556,376)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE/ LIGHTING
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.							
			General Service / Lighting			**General Service / Lighting**	
1		2017 Firm Coincident Peak CP %	28.28%	2018 Firm Coincident Peak CP %		23.90%	
Line No.	Description	Reference	***Estimated June 2019***	***Estimated July 2019***	***Estimated August 2019***	***Estimated September 2019***
31	Total PURPA Purchased Power Capacity Costs		$ 2,628,938	$ 3,620,857	$ 3,550,928	$ 2,060,772
32	Firm Natural Gas Transportation and Storage Costs		$ 3,762,225	$ 3,715,077	$ 3,719,537	$ 3,368,219
33	Total Capacity Related Costs	Line 29 + Line 30	$ 6,391,162	$ 7,335,935	$ 7,270,466	$ 5,428,992
34	Total System kWh Sales	Exhibit 2	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172
35	Capacity Related System Costs Incurred (¢/kWh)	Line 31 / Line 32* 100	0.0900	0.0902	0.0838	0.0668
36	SC Retail Sales kWh	Exhibit 2	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150
37	SC Capacity Related Cost Incurred	Line 33 * Line 34 / 100	$ 1,568,664	$ 1,776,808	$ 1,780,541	$ 1,355,231
38	General Service / Lighting Capacity Related Cost Allocated by Firm CP	Line 35 * Line 1	$ 374,929	$ 424,678	$ 425,570	$ 323,916
39	SC General Service / Lighting kWh Sales		503,131,126	558,701,811	586,229,211	562,074,280
40	SC General Service / Lighting Capacity Related Cost Incurred (¢/kWh)	Line 36 / Line 37 * 100	0.0745	0.0760	0.0726	0.0576
41	SC General Service / Lighting Billed (¢/kWh)	Docket No. 2017-3-E	0.1158	0.1158	0.1158	0.1158
42	SC Capacity Related (Over) / Under Recovery	(-Line 39 + Line 38)*Line 37 /100	$ (207,697)	$ (222,299)	$ (253,283)	$ (326,966)
43	Cumulative SC General Service / Lighting Capacity Related (Over) / Under Recovery	Line 40 + Prior Month Cum Bal	$ (1,764,072)	$ (1,986,370)	$ (2,239,653)	$ (2,566,619)
44	SC Projected General Service / Lighting Sales (October 2019 - September 2020)	Exhibit 3				5,986,473,078
45	SC General Service / Lighting Capacity Related Increment / (Decrement) (¢/kWh)	Line 41 / Line 42* 100				(0.0429)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - INDUSTRIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Industrial		Industrial
1	2017 Firm Coincident Peak CP %		33.03%	2018 Firm Coincident Peak CP %	24.85%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Total PURPA Purchased Power Capacity Costs		$ 2,213,593	$ 6,677,009	$ 6,553,797	$ 4,333,985	$ 2,785,778	$ 1,113,419
3	Firm Natural Gas Transportation and Storage Costs		3,583,325	3,268,622	$ 3,011,807	$ 2,799,319	$ 2,124,882	$ 3,806,403
4	Total Capacity Related Costs	Line 2 + Line 3	$ 5,796,918	$ 9,945,631	$ 9,565,603	$ 7,133,305	$ 4,910,660	$ 4,919,822
5	Total System kWh Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
6	Capacity Related Costs Incurred (¢/kWh)	Line 4 / Line 5* 100	0.0725	0.1173	0.1158	0.0751	0.0775	0.0738
7	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
8	SC Capacity Related Cost Incurred	Line 6 * Line 7 / 100	$ 1,420,819	$ 2,336,759	$ 2,327,852	$ 1,839,900	$ 1,146,875	$ 1,205,419
9	Industrial Capacity Related Cost Allocated by Firm CP	Line 8 * Line 1	$ 467,979	$ 769,664	$ 766,730	$ 607,804	$ 378,866	$ 398,206
10	SC Industrial kWh Sales		818,919,911	751,671,822	836,295,956	1,144,811,435	515,774,529	772,310,917
11	SC Industrial Capacity Related Cost Incurred (¢/kWh)	Line 9 / Line 10 * 100	0.0571	0.1024	0.0917	0.0531	0.0735	0.0516
12	SC Industrial Billed (¢/kWh)	Company Records	0.0623	0.0623	0.0623	0.0623	0.0735	0.0900
13	SC Capacity Related (Over) / Under Recovery	(-Line 12 + Line 11)* Line 10 / 100	$ (42,208)	$ 301,372	$ 245,718	$ (105,413)	$ (168)	$ (296,558)
14	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ 68,866					
15	Accounting Adjustment(s)					$ 5,928	$ 413	
16	Cumulative SC Industrial Capacity Related (Over) / Under Recovery	Line 13 + Prior Month Cum Bal	$ 26,658	$ 328,030	$ 573,748	$ 474,263	$ 474,508	$ 177,949

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
17	Total PURPA Purchased Power Capacity Costs		$ 965,775	$ 1,276,118	$ 1,480,302	$ 1,190,304	$ 1,342,185	$ 1,317,666	$ 31,249,932
18	Firm Natural Gas Transportation and Storage Costs		$ 3,076,433	$ 3,526,014	$ 3,209,171	$ 3,363,071	$ 3,025,372	$ 5,034,913	39,829,332
19	Total Capacity Related Costs	Line 17 + Line 18	$ 4,042,207	$ 4,802,132	$ 4,689,474	$ 4,553,375	$ 4,367,558	$ 6,352,579	$ 71,079,263
20	Total System kWh Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
21	Capacity Related Costs Incurred (¢/kWh)	Line 19 / Line 20* 100	0.0540	0.0635	0.0632	0.0699	0.0687	0.0946	
22	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
23	SC Capacity Related Cost Incurred	Line 21 * Line 22 / 100	$ 969,837	$ 1,139,229	$ 1,141,246	$ 1,093,453	$ 1,081,408	$ 1,577,800	$ 17,280,597
24	Industrial Capacity Related Cost Allocated by Firm CP	Line 23 * Line 1	$ 320,382	$ 283,084	$ 283,585	$ 271,709	$ 268,716	$ 392,063	$ 5,208,788
25	SC Industrial kWh Sales		723,406,024	680,482,372	749,157,486	676,050,495	745,070,091	759,002,100	9,172,953,138
26	SC Industrial Capacity Related Cost Incurred (¢/kWh)	Line 24 / Line 25 * 100	0.0443	0.0416	0.0379	0.0402	0.0361	0.0517	
27	SC Industrial Billed (¢/kWh)	Company Records	0.0901	0.0901	0.0901	0.0901	0.0901	0.0901	
28	SC Capacity Related (Over) / Under Recovery	(-Line 27 + Line 26)*Line 25 / 100	$ (331,407)	$ (330,031)	$ (391,406)	$ (337,413)	$ (402,592)	$ (291,798)	$ (1,981,904)
29	Accounting Adjustment(s)								$ 6,341
30	Cumulative SC Industrial Capacity Related (Over) / Under Recovery	Line 28 + Line 29 + PM Cum Bal	$ (153,457)	$ (483,488)	$ (874,894)	$ (1,212,307)	$ (1,614,899)	$ (1,906,697)	$ (1,906,697)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - INDUSTRIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES FOR JUNE 2018 - SEPTEMBER 2019

Line No.			Industrial		Industrial
1	2017 Firm Coincident Peak CP %		33.03%	2018 Firm Coincident Peak CP %	24.85%

Line No.	Description	Reference	*Estimated June 2019*	*Estimated July 2019*	*Estimated August 2019*	*Estimated September 2019*
31	Total PURPA Purchased Power Capacity Costs		$ 2,628,938	$ 3,620,857	$ 3,550,928	$ 2,060,772
32	Firm Natural Gas Transportation and Storage Costs		3,762,225	3,715,077	3,719,537	3,368,219
33	Total Capacity Related Costs	Line 29 + Line 30	$ 6,391,162	$ 7,335,935	$ 7,270,466	$ 5,428,992
34	Total System kWh Sales	Exhibit 2	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172
35	Capacity Related Costs Incurred (¢/kWh)	Line 31 / Line 32* 100	0.0900	0.0902	0.0838	0.0668
36	SC Retail Sales kWh	Exhibit 2	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150
37	SC Capacity Related Cost Incurred	Line 33 * Line 34 / 100	$ 1,568,664	$ 1,776,808	$ 1,780,541	$ 1,355,231
38	Industrial Capacity Related Cost Allocated by Firm CP	Line 35 * Line 1	$ 389,793	$ 441,514	$ 442,441	$ 336,757
39	SC Projected Industrial kWh Sales		752,073,616	790,897,255	852,418,383	838,181,666
40	SC Industrial Capacity Related Cost Incurred (¢/kWh)	Line 36 / Line 37 * 100	0.0518	0.0558	0.0519	0.0402
41	SC Industrial Billed (¢/kWh)	Docket No. 2017-3-E	0.0901	0.0901	0.0901	0.0901
42	SC Capacity Related (Over) / Under Recovery	(-Line 39 + Line 38)*Line 37 /100	$ (287,826)	$ (271,085)	$ (325,588)	$ (418,444)
43	Cumulative SC Industrial Capacity Related (Over) / Under Recovery	Line 40 + Prior Month Cum Bal	$ (2,194,523)	$ (2,465,608)	$ (2,791,195)	$ (3,209,640)
44	SC Projected Industrial Sales (October 2019 - September 2020)	Exhibit 3				9,171,268,692
45	SC Industrial Capacity Related Increment / (Decrement) (¢/kWh)	Line 41 / Line 42* 100				(0.0350)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD CAPACITY RELATED COSTS
FOR THE 12 MONTHS OCTOBER 2019 TO SEPTEMBER 2020

Line No.	Class	2018 Firm Coincident Peak (CP) KWs	CP %
1	Residential	2,055,870	51.25%
2	General Service / Lighting	958,783	23.90%
3	Industrial	996,792	24.85%
	Total SC	4,011,445	100.00%

Line No.	Description	Reference	October 2019	November 2019	December 2019	January 2020	February 2020	March 2020
4	Total PURPA Purchased Power Capacity Costs		$ 1,739,948	$ 1,559,595	$ 1,487,991	$ 1,757,559	$ 1,946,066	$ 2,076,841
5	Firm Natural Gas Transportation and Storage Costs		2,805,224	2,677,925	3,246,397	3,857,902	3,912,955	3,156,166
6	Total Capacity Costs	Line 4 + Line 5	$ 4,545,172	$ 4,237,520	$ 4,734,387	$ 5,615,461	$ 5,859,021	$ 5,233,007
7	Total Projected System Sales kwhs (w/solar)	Exhibit 3	6,803,214,198	6,495,662,262	7,186,884,482	7,903,467,722	7,808,874,524	7,353,013,933
8	Capacity Related System Costs Incurred (¢/Kwh)	Line 6 / Line 7 *100	0.0668	0.0652	0.0659	0.0711	0.0750	0.0712
9	Projected SC Retail Sales kWh	Exhibit 3	1,706,250,685	1,621,069,330	1,752,297,794	1,903,104,027	1,905,467,334	1,823,372,113
10	SC Capacity Related Costs Incurred	Line 8 * Line 9 /100	$ 1,139,932	$ 1,057,523	$ 1,154,333	$ 1,352,167	$ 1,429,678	$ 1,297,661

Line No.	Description	Reference	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	12 Month Total
11	Total PURPA Purchased Power Capacity Costs		$ 2,276,355	$ 2,470,783	$ 3,088,250	$ 4,083,329	$ 3,951,638	$ 2,428,006	$ 28,866,361
12	Firm Natural Gas Transportation and Storage Costs		3,474,281	4,322,280	3,805,577	3,919,871	3,940,092	3,971,126	43,089,795
13	Total Capacity Costs	Line 11 + Line 12	$ 5,750,636	$ 6,793,064	$ 6,893,827	$ 8,003,200	$ 7,891,730	$ 6,399,132	$ 71,956,157
14	Total Projected System Sales kwhs (w/solar)	Exhibit 3	6,672,124,994	6,463,555,894	7,048,447,873	8,241,762,239	8,635,074,609	8,178,560,496	88,790,643,227
15	Capacity Related System Costs Incurred (¢/Kwh)	Line 13 / Line 14 *100	0.0862	0.1051	0.0978	0.0971	0.0914	0.0782	
16	Projected SC Retail Sales kWh	Exhibit 3	1,687,895,589	1,621,681,377	1,726,646,416	1,990,627,190	2,110,577,812	2,037,072,774	21,886,062,443
17	SC Capacity Related Costs Incurred	Line 15 * Line 16 /100	$ 1,454,780	$ 1,704,354	$ 1,688,769	$ 1,933,007	$ 1,928,890	$ 1,593,862	$ 17,734,956
	SC Capacity Related Costs Allocated on Firm CP kWs								
18	Residential	Total Line 17 * Line 1							$ 9,089,184
19	General Service / Lighting	Total Line 17 * Line 2							$ 4,238,865
20	Industrial	Total Line 17 * Line 3							$ 4,406,906
21	Total SC	Sum Lines 18 through 20							$ 17,734,956
	Projected SC Retail Sales kWh (October 2019 - September 2020)								
22	Residential	Exhibit 3							6,728,320,673
23	General Service / Lighting	Exhibit 3							5,986,473,078
24	Industrial	Exhibit 3							9,171,268,692
25	Total SC	Sum Lines 22 through 24							21,886,062,443
	SC Capacity Related Costs ¢/kWh								
26	Residential	Line 18 / Line 22 * 100							0.1351
27	General Service / Lighting	Line 19 / Line 23 * 100							0.0708
28	Industrial	Line 20 / Line 24 * 100							0.0481

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
ACTUAL AND ESTIMATED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
FOR THE PERIOD JUNE 2018 - SEPTEMBER 2019

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
	DERP Incremental Costs							
1	Purchased Power Agreements		$ -	$ -	$ -	$ -	$ -	$ -
2	DERP NEM Incentive		264,771	272,870	285,145	292,579	315,749	322,425
3	Solar Rebate Program - Amortization		228,110	228,484	238,288	244,772	244,788	244,856
4	Solar Rebate Program - Carrying Costs		223,833	222,904	226,966	233,911	233,473	232,088
5	Shared Solar Program		-	-				-
6	NEM Avoided Capacity Costs		33,811	34,448	35,483	36,153	36,380	36,825
7	NEM Meter Costs		42,882	44,087	45,829	46,932	54,006	55,712
8	General and Administrative Expenses		31,505	39,400	34,024	24,586	21,397	23,957
9	Interest on capped Industrial undercollection						471	448
10	Total DERP Incremental Costs	Sum Lines 1 - 9	$ 824,912	$ 842,193	$ 865,734	$ 878,934	$ 906,264	$ 916,311
11	Revenue Collected	Company Record	$ 308,530	$ 307,025	$ 307,543	$ 310,532	$ 610,097	$ 915,558
12	SC DERP Incremental (Over)/Under Recovery	Line 10 - Line 11	$ 516,382	$ 535,168	$ 558,191	$ 568,402	$ 296,167	$ 753
13	(Over)/Under Cumulative Balance-May 2018	Prior Year annual filing	$ (966,265)					
14	Adjustments					$ (49,569)		
15	Cumulative SC DERP Incremental (Over)/ Under Recovery	PM Cum bal + Line 12 + Line 14	$ (449,883)	$ 85,285	$ 643,476	$ 1,162,309	$ 1,458,476	$ 1,459,229

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2019
	DERP Incremental Costs								
16	Purchased Power Agreements		$ -	$ -	$ -	$ 10,980	$ 2,938	$ 1,372	$ 15,290
17	DERP NEM Incentive		326,530	334,168	$ 336,848	$ 339,100	341,751	345,950	3,777,886
18	Solar Rebate Program - Amortization		244,839	250,339	$ 250,339	$ 253,866	(1,459,065)	9,191	978,806
19	Solar Rebate Program - Carrying Costs		230,685	232,109	$ 233,573	$ 233,964	234,335	232,869	2,770,711
20	Shared Solar Program		-		$ -		6,215	21,739	27,955
21	NEM Avoided Capacity Costs		37,070	35,226	$ 35,427	$ 35,680	35,853	36,218	428,573
22	NEM Meter Costs		56,211	57,058	$ 57,481	$ 57,883	58,264	58,906	635,250
23	General and Administrative Expenses		29,306	(29,218)	$ (86,863)	$ 7,916	44,406	27,894	168,309
24	Interest on capped Industrial undercollection		$ 448	174	140	398	-	76	2,155
25	Total DERP Incremental Costs	Sum Lines 16 - 24	$ 925,089	$ 879,856	$ 826,946	$ 939,787	$ (735,304)	$ 734,216	$ 8,804,937
26	Revenue Collected	Company Record	$ 912,704	$ 919,094	$ 914,455	$ 917,852	$ 917,848	$ 921,942	$ 8,263,180
27	SC DERP Incremental (Over)/Under Recovery	Line 25 - Line 26	$ 12,385	$ (39,238)	$ (87,509)	$ 21,935	$ (1,653,152)	$ (187,727)	$ 541,757
28	Adjustments						$ 10	$ (191)	$ (49,750)
29	Cumulative SC DERP Incremental (Over)/ Under Recovery	PM Cum bal + Line 27 + Line 28	$ 1,471,614	$ 1,432,376	$ 1,344,868	$ 1,366,803	$ (286,339)	$ (474,257)	$ (474,257)

Note (1) Adjustments represent prior period adjustments reflected in the monthly Schedule 4 filings.
Note (2) Totals may not add due to rounding

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
ACTUAL AND ESTIMATED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
FOR THE PERIOD JUNE 2018 - SEPTEMBER 2019

Line No.	Description	Reference	Estimated June 2019	Estimated July 2019	Estimated August 2019	Estimated September 2019	Estimated 4 months ended Sept 2019
	DERP Incremental Costs						
30	Purchased Power Agreements		$ -	$ -	$ -	$ -	$ -
31	DERP NEM Incentive		483,289	466,167	421,063	389,373	1,759,892
32	Solar Rebate Program - Amortization		9,191	12,820	12,820	12,820	47,650
33	Solar Rebate Program - Carrying Costs		8,930	10,684	12,418	12,347	44,378
34	Shared Solar Program		5,023	5,023	5,023	5,023	20,091
35	NEM Avoided Capacity Costs		48,135	49,327	50,179	51,032	198,674
36	NEM Meter Costs		62,647	63,587	64,512	65,438	256,184
37	General and Administrative Expenses		79,789	79,789	79,789	79,789	319,157
38	Interest on capped Industrial undercollection		30	26	5	-	62
39	**Total DERP Incremental Costs**	Sum Lines 30 - 38	$ 697,035	$ 687,422	$ 645,809	$ 615,821	$ 2,646,088
40	Estimated Revenue Collected		$ 907,141	$ 907,645	$ 908,167	$ 908,711	$ 3,631,665
41	SC DERP Incremental (Over)/Under Recovery	Line 39 - Line 40	$ (210,105)	$ (220,223)	$ (262,358)	$ (292,890)	$ (985,577)
42	Adjustments			$ (2,492)			$ (2,492)
43	Cumulative SC DERP Incremental (Over)/ Under Recovery	PM Cum bal + Line 41 + Line 42	$ (684,363)	$ (907,078)	$ (1,169,436)	$ (1,462,326)	$ (1,462,326)

Note (1) Totals may not add due to rounding

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP INCREMENTAL COSTS (OVER)/UNDER RECOVERY
FOR THE PERIOD JUNE 2018 - SEPTEMBER 2019

			June 2018 through September 2019
1 Cumulative DERP Incremental (Over)/ Under Recovery Balance	Exhibit 8 Line 43	$	(1,462,326)

Allocation of DERP Incremental (Over)/Under Recovery	Firm Peak Demand - 2018	June 2018 through September 2019	(Over)/Under Recovery Allocated per Firm Peak Demand
2 Residential	51.25%	$ (749,444)	$ (749,444)
3 General	23.90%	(349,513)	(349,513)
4 Industrial	24.85%	(363,369)	(363,369)
5 **Total**	100.00%	$ (1,462,326)	$ (1,462,326)

	(Over)/Under Recovery Allocated per Firm Peak Demand	Projected Number of Accounts in Billing Period	$ per Account per Year	$ per Account per Month
6 Residential	$ (749,444)	496,576	**$ (1.51)**	**$ (0.13)**
7 General	(349,513)	73,287	**$ (4.77)**	**$ (0.40)**
8 Industrial	(363,369)	1,575	**$ (230.71)**	**$ (19.23)**
9 **Total**	$ (1,462,326)	571,438		

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
FOR THE 12 MONTHS OCTOBER 2019 TO SEPTEMBER 2020

Line No.	Description	Reference	October 2019	November 2019	December 2019	January 2020	February 2020	March 2020
	DERP Incremental Costs							
1	Purchased Power Agreements		$ -	$ -	$ 21,169	$ 30,682	$ 34,108	$ 34,108
2	DERP NEM Incentive		$ 441,141	$ 319,096	$ 252,336	$ 359,671	$ 406,996	$ 484,315
3	Solar Rebate Program - Amortization		$ 12,820	$ 12,820	$ 20,343	$ 20,343	$ 20,343	$ 20,343
4	Solar Rebate Program - Carrying Costs		$ 12,276	$ 12,205	$ 15,877	$ 19,507	$ 19,394	$ 19,282
5	Shared Solar Program		$ 4,928	$ 4,928	$ 4,928	$ 4,928	$ 4,928	$ 4,928
6	NEM Avoided Capacity Costs		$ 44,144	$ 44,863	$ 46,216	$ 47,001	$ 47,728	$ 47,857
7	NEM Meter Costs		$ 66,363	$ 67,293	$ 68,238	$ 69,182	$ 70,127	$ 71,076
8	General and Administrative Expenses		$ 79,789	$ 79,789	$ 79,789	$ 42,340	$ 42,340	$ 42,340
9	**Total DERP Incremental Costs**	Sum Lines 1 - 9	**$ 661,461**	**$ 540,995**	**$ 508,895**	**$ 593,653**	**$ 645,963**	**$ 724,249**

Line No.	Description	Reference	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	12 Month Total
	DERP Incremental Costs								
10	Purchased Power Agreements		$ 34,108	$ 34,108	$ 34,108	$ 36,816	$ 36,816	$ 43,824	$ 339,845
11	DERP NEM Incentive		614,650	$ 610,920	$ 623,883	$ 590,138	$ 523,529	$ 474,323	5,700,999
12	Solar Rebate Program - Amortization		20,343	$ 20,343	$ 27,542	$ 27,542	$ 27,542	$ 30,090	260,409
13	Solar Rebate Program - Carrying Costs		19,169	$ 19,057	$ 22,526	$ 25,955	$ 25,802	$ 26,918	237,968
14	Shared Solar Program		4,928	$ 4,928	$ 4,928	$ 4,928	$ 4,928	$ 4,928	59,137
15	NEM Avoided Capacity Costs		47,857	$ 47,857	$ 47,857	$ 47,857	$ 47,857	$ 47,857	564,952
16	NEM Meter Costs		72,031	$ 72,990	$ 73,964	$ 74,942	$ 75,926	$ 76,923	859,054
17	General and Administrative Expenses		42,340	$ 42,340	$ 42,340	$ 42,340	$ 42,340	$ 42,340	620,429
18	**Total DERP Incremental Costs**	Sum Lines 10 - 17	**$ 855,426**	**$ 852,542**	**$ 877,147**	**$ 850,518**	**$ 784,740**	**$ 747,204**	**$ 8,642,793**

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP PROJECTED BILLING PERIOD COST FACTORS
FOR THE PERIOD OCTOBER 2019 - SEPTEMBER 2020

			October 2019 through September 2020
1	Total DERP Projected Incremental Costs	Exhibit 10 Line 18	$ 8,642,793

	Allocation of DERP Incremental Costs	Firm Peak Demand - 2018	October 2019 through September 2020	Cost Allocated per Firm Peak Demand
2	Residential	51.25%		$ 4,429,441
3	General	23.90%		2,065,730
4	Industrial	24.85%		2,147,622
5	**Total**	100.00%	$ 8,642,793	$ 8,642,793

		Total Cost Allocated per Firm Peak Demand	Projected Number of Accounts in Billing Period	$ per Account per Year	$ per Account per Month
6	Residential	$ 4,429,441	496,576	**$ 8.92**	**$ 0.74**
7	General	2,065,730	73,287	**$ 28.19**	**$ 2.35**
8	Industrial	2,147,622	1,575	**$ 1,363.57**	**$ 113.63**
9	**Total**	$ 8,642,793	571,438		

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP AVOIDED COST (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.		Residential		Residential
1	2017 Firm Coincident Peak CP %	38.68%	2018 Firm Coincident Peak CP %	51.25%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Purchased Power Agreements		$ 284	$ 309	$ 518	$ 286	$ 389	$ 176
3	Shared Solar Program		-	-	-	-	-	-
4	**Total DERP Avoided Costs**	Line 2 + Line 3	$ 284	$ 309	$ 518	$ 286	$ 389	$ 176
5	Total System kWh Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
6	DERP Avoided System Cost - (¢/kWh)	Line 4 / Line 5* 100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
8	SC DERP Avoided Costs	Line 6 * Line 7 / 100	$ 70	$ 73	$ 125	$ 74	$ 91	$ 43
9	Residential DERP Avoided Costs Allocated by Firm CP	Line 8 * Line 1	$ 27	$ 28	$ 48	$ 29	$ 35	$ 17
10	SC Residential kWh Sales		609,213,656	685,061,515	638,545,237	696,736,494	491,727,445	435,458,622
11	SC Residential DERP Avoided Cost (¢/kWh)	Line 9 / Line 10 * 100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	SC Residential Rate Billed (¢/kWh)	Company Records	(0.0015)	(0.0015)	(0.0015)	(0.0015)	(0.0007)	0.0006
13	SC DERP Avoided Cost (Over) / Under Recovery	(Line 11 - Line 12) * Line 10 / 100	$ 9,165	$ 10,304	$ 9,627	$ 10,480	$ 3,255	$ (2,549)
14	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ (26,775)					
15	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 13 + PM Cum Bal	$ (17,610)	$ (7,305)	$ 2,322	$ 12,802	$ 16,057	$ 13,509

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
16	Purchased Power Agreements		$ 149	$ 133	$ 18,720	$ 36,552	$ 23,863	$ 3,960	$ 85,341
17	Shared Solar Program		-	-	-	-	15,982	24,918	40,901
18	**Total DERP Avoided Costs**	Line 16 + Line 17	$ 149	$ 133	$ 18,720	$ 36,552	$ 39,846	$ 28,879	$ 126,243
19	Total System kWh Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
20	DERP Avoided System Cost - (¢/kWh)	Line 18 / Line 19* 100	0.0000	0.0000	0.0003	0.0006	0.0006	0.0004	
21	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
22	SC DERP Avoided Costs	Line 20 * Line 21 / 100	$ 36	$ 32	$ 4,556	$ 8,777	$ 9,866	$ 7,172	$ 30,913
23	Residential DERP Avoided Costs Allocated by Firm CP	Line 22 * Line 1	$ 14	$ 16	$ 2,335	$ 4,499	$ 5,056	$ 3,676	$ 15,780
24	SC Residential kWh Sales		628,501,539	657,177,943	610,321,704	480,884,048	414,875,999	447,612,785	6,796,116,987
25	SC Residential DERP Avoided Cost (¢/kWh)	Line 23 / Line 24 * 100	0.0000	0.0000	0.0004	0.0009	0.0012	0.0008	
26	SC Residential Rate Billed (¢/kWh)	Company Records	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	
27	SC DERP Avoided Cost (Over) / Under Recovery	(Line 25 - Line 26) * Line 24 / 100	$ (3,757)	$ (3,927)	$ (1,327)	$ 1,614	$ 2,567	$ 990	$ 36,441
28	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 27 + PM Cum Bal	$ 9,752	$ 5,825	$ 4,498	$ 6,111	$ 8,678	$ 9,668	$ 9,668

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP AVOIDED COST (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.		Residential		Residential
1	2017 Firm Coincident Peak CP %	38.68%	2018 Firm Coincident Peak CP %	51.25%

Line No.	Description	Reference	Estimated June 2019	Estimated July 2019	Estimated August 2019	Estimated September 2019	Estimated 4 months ended Sept 2018
29	Purchased Power Agreements		$ 396	$ 393	$ 364	$ 340	$ 1,492
30	Shared Solar Program		21,423	21,423	21,423	21,423	$ 85,693
31	**Total DERP Avoided Costs**	Line 29 + Line 30	$ 21,819	$ 21,816	$ 21,787	$ 21,763	$ 87,185
32	Total Projected System Sales kwhs (w/solar)	Exhibit 2	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172	32,035,815,742
33	DERP Avoided System Cost (¢/kWh)	Line 31 / Line 32* 100	0.0003	0.0003	0.0003	0.0003	0.0003
34	Projected SC Retail Sales kWh	Exhibit 4, Page 1b of 3	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150	7,865,967,286
35	SC DERP Avoided Costs	Line 33 * Line 34 / 100	$ 5,355	$ 5,284	$ 5,336	$ 5,433	$ 21,408
36	Residential DERP Avoided Costs Allocated by Firm CP	Line 35 * Line 1	$ 2,745	$ 2,708	$ 2,735	$ 2,784	$ 10,971
37	SC Projected Residential kWh Sales	Exhibit 4, Page 1b of 3	486,895,816	619,213,465	687,169,454	628,981,205	2,422,259,939
38	SC Residential DERP Avoided Cost (¢/kWh)	Line 36 / Line 37 * 100	0.0006	0.0004	0.0004	0.0004	0.0005
39	SC Residential Rate Billed (¢/kWh)	Company Records	0.0006	0.0006	0.0006	0.0006	0.0006
40	SC DERP Avoided Cost (Over) / Under Recovery	(Line 38 - Line 39) * Line 31/100	$ (177)	$ (1,007)	$ (1,388)	$ (990)	$ (3,562)
41	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 40 + PM Cum Bal	$ 9,491	$ 8,484	$ 7,096	$ 6,106	$ 6,106
42	SC Projected Residential Sales (October 2019-September 2020)	Exhibit 3					6,728,320,673
43	SC Residential DERP AC Increment / (Decrement) (¢/kWh)	Line 41 / Line 42* 100					0.0001

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP AVOIDED COST (OVER) / UNDER RECOVERY - GENERAL SERVICE / LIGHTING
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			General Service / Lighting		General Service / Lighting
1	2017 Firm Coincident Peak CP %		28.28%	2018 Firm Coincident Peak CP %	23.90%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Purchased Power Agreements		$ 284	$ 309	$ 518	$ 286	$ 389	$ 176
3	Shared Solar Program		$ -	$ -	$ -	$ -	$ -	$ -
4	**Total DERP Avoided Costs**	Line 2 + Line 3	$ 284	$ 309	$ 518	$ 286	$ 389	$ 176
5	Total System kWh Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
6	DERP Avoided System Cost - (¢/kWh)	Line 4 / Line 5* 100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
8	SC DERP Avoided Costs	Line 6 * Line 7 / 100	$ 70	$ 73	$ 125	$ 74	$ 91	$ 43
9	General Service/Lighting DERP Avoided Costs Allocated by Firm CP	Line 8 * Line 1	$ 20	$ 21	$ 36	$ 21	$ 26	$ 12
10	SC General Service/Lighting kWh Sales		532,609,815	555,007,748	534,768,585	608,217,191	471,984,556	426,666,805
11	SC General Service/Lighting DERP Avoided Cost (¢/kWh)	Line 9 / Line 10 * 100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	SC General Service/Lighting Rate Billed (¢/kWh)	Company Records	(0.0005)	(0.0005)	(0.0005)	(0.0005)	(0.0001)	0.0005
13	SC DERP Avoided Cost (Over) / Under Recovery	(Line 11 - Line 12) * Line 10 / 100	$ 2,683	$ 2,796	$ 2,710	$ 3,062	$ 486	$ (2,100)
14	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ (6,356)					
15	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 13 + PM Cum Bal	$ (3,673)	$ (878)	$ 1,832	$ 4,894	$ 5,381	$ 3,280

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
16	Purchased Power Agreements		$ 149	$ 133	$ 18,720	$ 36,552	$ 23,863	$ 3,960	$ 85,341
	Shared Solar Program		$ -	$ -	$ -	$ -	$ 15,982	$ 24,918	40,901
	Total DERP Avoided Costs	Line 16 + Line 17	$ 149	$ 133	$ 18,720	$ 36,552	$ 39,846	$ 28,879	$ 126,242
19	Total System kWh Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
20	DERP Avoided System Cost - (¢/kWh)	Line 18 / Line 19* 100	0.0000	0.0000	0.0003	0.0006	0.0006	0.0004	
21	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
22	SC DERP Avoided Costs	Line 20 * Line 21 / 100	$ 36	$ 32	$ 4,556	$ 8,777	$ 9,865	$ 7,172	$ 30,912
23	General Service/Lighting DERP Avoided Costs Allocated by Firm CP	Line 22 * Line 1	$ 10	$ 8	$ 1,089	$ 2,098	$ 2,358	$ 1,714	$ 7,412
24	SC General Service/Lighting kWh Sales		445,252,198	455,887,041	446,297,147	406,630,406	413,949,578	461,349,327	5,758,620,397
25	SC General Service/Lighting DERP Avoided Cost (¢/kWh)	Line 23 / Line 24 * 100	0.0000	0.0000	0.0002	0.0005	0.0006	0.0004	
26	SC General Service/Lighting Rate Billed (¢/kWh)	Company Records	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	
27	SC DERP Avoided Cost (Over) / Under Recovery	(Line 25 - Line 26) * Line 24 / 100	$ (2,216)	$ (2,271)	$ (1,142)	$ 65	$ 288	$ (593)	$ 3,767
28	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 27 + PM Cum Bal	$ 1,064	$ (1,207)	$ (2,349)	$ (2,284)	$ (1,996)	$ (2,589)	$ (2,589)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP AVOIDED COST (OVER) / UNDER RECOVERY - GENERAL SERVICE / LIGHTING
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			General Service / Lighting		General Service / Lighting
1	2017 Firm Coincident Peak CP %		28.28%	2018 Firm Coincident Peak CP %	23.90%

Line No.	Description	Reference	Estimated June 2019	Estimated July 2019	Estimated August 2019	Estimated September 2019	Estimated 4 months ended Sept 2018
29	Purchased Power Agreements		$ 396	$ 393	$ 364	$ 340	$ 1,492
30	Shared Solar Program		$ 21,423	$ 21,423	$ 21,423	$ 21,423	85,693
31	**Total DERP Avoided Costs**	Line 29 + Line 30	$ 21,819	$ 21,816	$ 21,787	$ 21,763	$ 87,185
32	Total Projected System Sales kwhs (w/solar)	Exhibit 4, Page 2b of 3	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172	32,035,815,742
33	DERP Avoided System Cost (¢/kWh)	Line 31 / Line 32* 100	0.0003	0.0003	0.0003	0.0003	0.0003
34	Projected SC Retail Sales kWh	Exhibit 4, Page 2b of 3	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150	7,865,967,286
35	SC DERP Avoided Costs	Line 33 * Line 34 / 100	$ 5,355	$ 5,284	$ 5,336	$ 5,433	$ 21,408
36	General Service/Lighting DERP Avoided Costs Allocated by Firm CP	Line 35 * Line 1	$ 1,280	$ 1,263	$ 1,275	$ 1,298	$ 5,117
37	SC General Service/Lighting kWh Sales		503,131,126	558,701,811	586,229,211	562,074,280	2,210,136,428
38	SC General Service/Lighting DERP Avoided Cost (¢/kWh)	Line 36 / Line 37 * 100	0.0003	0.0002	0.0002	0.0002	0.0002
39	SC General Service/Lighting Rate Billed (¢/kWh)	Company Records	0.0005	0.0005	0.0005	0.0005	0.0005
40	SC DERP Avoided Cost (Over) / Under Recovery	(Line 38 - Line 39) * Line 31/100	$ (1,236)	$ (1,531)	$ (1,656)	$ (1,512)	$ (5,934)
41	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 40 + PM Cum Bal	$ (3,824)	$ (5,355)	$ (7,011)	$ (8,523)	$ (8,523)
42	SC Projected General Service / Lighting Sales (October 2019 - September 2020)	Exhibit 3					5,986,473,078
43	SC General Service/Lighting DERP AC Increment / (Decrement) (¢/kWh)	Line 41 / Line 42* 100					(0.0001)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP AVOIDED COST (OVER) / UNDER RECOVERY - INDUSTRIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.			Industrial		Industrial
1	2017 Firm Coincident Peak CP %		33.03%	2018 Firm Coincident Peak CP %	24.85%

Line No.	Description	Reference	June 2018	July 2018	August 2018	September 2018	October 2018	November 2018
2	Purchased Power Agreements		$ 284	$ 309	$ 518	$ 286	$ 389	$ 176
3	Shared Solar Program		-	-	$ -	$ -	$ -	$ -
4	**Total DERP Avoided Costs**	Line 2 + Line 3	$ 284	$ 309	$ 518	$ 286	$ 389	$ 176
5	Total System kWh Sales	Exhibit 2	7,999,801,237	8,477,178,071	8,257,882,938	9,497,758,228	6,334,828,962	6,670,820,955
6	DERP Avoided System Cost - (¢/kWh)	Line 4 / Line 5* 100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	SC Retail Sales kWh	Exhibit 2	1,960,743,382	1,991,741,085	2,009,609,778	2,449,765,120	1,479,486,530	1,634,436,344
8	SC DERP Avoided Costs	Line 6 * Line 7 / 100	$ 70	$ 73	$ 125	$ 74	$ 91	$ 43
9	Industrial DERP Avoided Costs Allocated by Firm CP	Line 8 * Line 1	$ 23	$ 24	$ 42	$ 24	$ 30	$ 14
10	SC Industrial kWh Sales		818,919,911	751,671,822	836,295,956	1,144,811,435	515,774,529	772,310,917
11	SC Industrial DERP Avoided Cost (¢/kWh)	Line 9 / Line 10 * 100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	SC Industrial Rate Billed (¢/kWh)	Company Records	0.0001	0.0001	0.0001	0.0001	0.0002	0.0004
13	SC DERP Avoided Cost (Over) / Under Recovery	(Line 11 - Line 12) * Line 10 / 100	$ (796)	$ (728)	$ (794)	$ (1,121)	$ (1,109)	$ (3,064)
14	(Over) / Under Cumulative Balance May 2018	Prior Year Annual Filing	$ 8,828					
15	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 13 + PM Cum Bal	$ 8,032	$ 7,305	$ 6,510	$ 5,390	$ 4,281	$ 1,216

Line No.	Description	Reference	December 2018	January 2019	February 2019	March 2019	April 2019	May 2019	Twelve Months Ended May 2018
16	Purchased Power Agreements		$ 149	$ 133	$ 18,720	$ 36,552	$ 23,863	$ 3,960	$ 85,341
17	Shared Solar Program		$ -	$ -	$ -	$ -	$ 15,982	$ 24,918	40,901
18	**Total DERP Avoided Costs**	Line 16 + Line 17	$ 149	$ 133	$ 18,720	$ 36,552	$ 39,846	$ 28,879	$ 126,242
19	Total System kWh Sales	Exhibit 2	7,490,426,895	7,560,242,873	7,420,082,024	6,511,025,145	6,356,600,998	6,715,599,810	89,292,248,136
20	DERP Avoided System Cost - (¢/kWh)	Line 18 / Line 19* 100	0.0000	0.0000	0.0003	0.0006	0.0006	0.0004	
21	SC Retail Sales kWh	Exhibit 2	1,797,159,761	1,793,547,356	1,805,776,337	1,563,564,949	1,573,895,668	1,667,964,212	21,727,690,522
22	SC DERP Avoided Costs	Line 20 * Line 21 / 100	$ 36	$ 32	$ 4,556	$ 8,777	$ 9,866	$ 7,172	$ 30,913
23	Industrial DERP Avoided Costs Allocated by Firm CP	Line 22 * Line 1	$ 12	$ 8	$ 1,132	$ 2,181	$ 2,452	$ 1,782	$ 7,724
24	SC Industrial kWh Sales		723,406,024	680,482,372	749,157,486	676,050,495	745,070,091	759,002,100	9,172,953,138
25	SC Industrial DERP Avoided Cost (¢/kWh)	Line 23 / Line 24 * 100	0.0000	0.0000	0.0002	0.0003	0.0003	0.0002	
26	SC Industrial Rate Billed (¢/kWh)	Company Records	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	
27	SC DERP Avoided Cost (Over) / Under Recovery	(Line 25 - Line 26) * Line 24 / 100	$ (2,882)	$ (2,714)	$ (1,865)	$ (523)	$ (528)	$ (1,254)	$ (17,378)
28	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 27 + PM Cum Bal	$ (1,666)	$ (4,380)	$ (6,244)	$ (6,767)	$ (7,295)	$ (8,549)	$ (8,549)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP AVOIDED COST (OVER) / UNDER RECOVERY - INDUSTRIAL
ACTUAL AND ESTIMATED COSTS AND REVENUES JUNE 2018 - SEPTEMBER 2019

Line No.		Industrial		Industrial
1	2017 Firm Coincident Peak CP %	33.03%	2018 Firm Coincident Peak CP %	24.85%

Line No.	Description	Reference	*Estimated June 2019*	*Estimated July 2019*	*Estimated August 2019*	*Estimated September 2019*	Estimated 4 months ended Sept 2018
29	Purchased Power Agreements		$ 396	$ 393	$ 364	$ 340	$ 1,492
30	Shared Solar Program		21,423	21,423	21,423	21,423	85,693
31	**Total DERP Avoided Costs**	Line 29 + Line 30	$ 21,819	$ 21,816	$ 21,787	$ 21,763	$ 87,185
32	Total System kWh Sales	Exhibit 4, Page 3b of 3	7,097,791,674	8,128,668,264	8,680,327,632	8,129,028,172	32,035,815,742
33	DERP Avoided System Cost - (¢/kWh)	Line 31 / Line 32* 100	0.0003	0.0003	0.0003	0.0003	0.0003
34	SC Retail Sales kWh	Exhibit 4, Page 3b of 3	1,742,100,557	1,968,812,531	2,125,817,048	2,029,237,150	7,865,967,286
35	SC DERP Avoided Costs	Line 33 * Line 34 / 100	$ 5,355	$ 5,284	$ 5,336	$ 5,433	$ 21,408
36	Industrial DERP Avoided Costs Allocated by Firm CP	Line 35 * Line 1	$ 1,331	$ 1,313	$ 1,326	$ 1,350	$ 5,320
37	SC Industrial kWh Sales		752,073,616	790,897,255	852,418,383	838,181,666	3,233,570,919
38	SC Industrial DERP Avoided Cost (¢/kWh)	Line 36 / Line 37 * 100	0.0002	0.0002	0.0002	0.0002	0.0002
39	SC Industrial Rate Billed (¢/kWh)	Company Records	0.0004	0.0004	0.0004	0.0004	0.0004
40	SC DERP Avoided Cost (Over) / Under Recovery	(Line 38 - Line 39) * Line 31/100	$ (1,678)	$ (1,851)	$ (2,084)	$ (2,003)	$ (7,615)
41	Cumulative SC DERP Avoided Cost (Over) / Under Recovery	Line 40 + PM Cum Bal	$ (10,227)	$ (12,077)	$ (14,161)	$ (16,164)	$ (16,164)
42	SC Projected Industrial Sales (October 2019 - September 2020)	Exhibit 3					9,171,268,692
43	SC Industrial DERP AC Increment / (Decrement) (¢/kWh)	Line 41 / Line 42* 100					(0.0002)

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DUKE ENERGY CAROLINAS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF PROJECTED BILLING PERIOD DERP AVOIDED COST BILLING FACTORS
FOR THE 12 MONTHS OCTOBER 2019 TO SEPTEMBER 2020

Line No.	Class	2018 Firm Coincident Peak (CP) KWs	CP %
1	Residential	2,055,870	51.25%
2	General Service / Lighting	958,783	23.90%
3	Industrial	996,792	24.85%
	Total SC	4,011,445	100%

Line No.	Description	Reference	October 2019	November 2019	December 2019	January 2020	February 2020	March 2020
4	Purchased Power Agreements		$ 311	$ 266	$ 66,881	$ 90,812	$ 98,399	$ 139,451
5	Shared Solar Program		21,352	21,352	21,352	21,352	21,352	21,352
6	**Total DERP Avoided Costs**	Line 4 + Line 5	$ 21,663	$ 21,618	$ 88,233	$ 112,164	$ 119,751	$ 160,803
7	Total Projected System Sales kwhs (w/solar)	Exhibit 3	6,803,214,198	6,495,662,262	7,186,884,482	7,903,467,722	7,808,874,524	7,353,013,933
8	DERP Avoided System Cost - (¢/kWh)	Line 6 / Line 7 * 100	0.0003	0.0003	0.0012	0.0014	0.0015	0.0022
9	Projected SC Retail Sales kWh	Exhibit 3	1,706,250,685	1,621,069,330	1,752,297,794	1,903,104,027	1,905,467,334	1,823,372,113
10	SC DERP Avoided Costs	Line 8 * Line 9 /100	$ 5,433	$ 5,395	$ 21,513	$ 27,008	$ 29,221	$ 39,875

Line No.	Description	Reference	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	12 Month Total
11	Purchased Power Agreements		$ 98,488	$ 98,507	$ 98,509	$ 119,567	$ 119,538	$ 154,858	$ 1,085,587
12	Shared Solar Program		21,352	21,352	21,352	21,352	21,352	21,352	256,222
13	**Total DERP Avoided Costs**	Line 11 + Line 12	**$ 119,840**	**$ 119,859**	**$ 119,861**	**$ 140,918**	**$ 140,889**	**$ 176,209**	**$ 1,341,809**
14	Total Projected System Sales kwhs (w/solar)	Exhibit 3	6,672,124,994	6,463,555,894	7,048,447,873	8,241,762,239	8,635,074,609	8,178,560,496	88,790,643,227
15	DERP Avoided System Cost - (¢/kWh)	Line 13 / Line 14 *100	0.0018	0.0019	0.0017	0.0017	0.0016	0.0022	
16	Projected SC Retail Sales kWh	Exhibit 3	1,687,895,589	1,621,681,377	1,726,646,416	1,990,627,190	2,110,577,812	2,037,072,774	21,886,062,443
17	SC DERP Avoided Costs	Line 15 * Line 16 /100	$ 30,317	$ 30,072	$ 29,362	$ 34,036	$ 34,436	$ 43,889	$ 330,558
	SC DERP Avoided Cost Allocated on Firm CP kWs								
18	Residential	Total Line 17 * Line 1							$ 169,411
19	General Service / Lighting	Total Line 17 * Line 2							$ 79,007
20	Industrial	Total Line 17 * Line 3							$ 82,139
21	Total SC	Sum Lines 18 through 20							$ 330,558
	Projected SC Retail Sales kWh (October 2019 - September 2020)								
22	Residential	Exhibit 3							6,728,320,673
23	General Service / Lighting	Exhibit 3							5,986,473,078
24	Industrial	Exhibit 3							9,171,268,692
25	Total SC	Sum Lines 22 through 24							21,886,062,443
	SC DERP Avoided Cost ¢/kWh								
26	Residential	Line 18 / Line 22 * 100							0.0025
27	General Service / Lighting	Line 19 / Line 23 * 100							0.0013
28	Industrial	Line 20 / Line 24 * 100							0.0009

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