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July 24, 2023

VIA ELECTRONIC FILING

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

**RE: Duke Energy Carolinas, LLC's Exhibits of Stipulation of Partial Settlement
Docket No. E-7, Sub 1282**

Dear Ms. Dunston:

Please find enclosed for filing in the above-referenced docket Duke Energy Carolinas, LLC's ("DEC") Exhibits of Stipulation of Partial Settlement. The exhibits were inadvertently omitted when DEC and the Public Staff's Agreement and Stipulation of Partial Settlement was filed with the North Carolina Utilities Commission on May 31, 2023.

If you have any questions, please do not hesitate to contact me. Thank you for your assistance with this matter.

Sincerely,

Ladawn S. Toon

Enclosure

cc: Parties of Record

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JUL 24 2023

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Summary Comparison of Fuel and Fuel Related Cost Factors
Test Period Ended December 31, 2022
Billing Period September 2023 - August 2024
Docket E-7, Sub 1282

Clark Settlement Exhibit 1

Line #	Description	Reference	Residential cents/kWh	General cents/kWh	Industrial cents/kWh	Composite cents/kWh
<u>Current Fuel and Fuel Related Cost Factors (Approved Fuel Rider Docket No. E-7, Sub 1263)</u>						
1	Approved Fuel and Fuel Related Costs Factors	Input	2.0003	1.8217	1.8396	1.9010
2	EMF Increment (Decrement) cents/kWh	Input	0.4863	0.6254	0.5726	0.5597
3	EMF Interest Increment (Decrement) cents/kWh	Input	-	-	-	-
4	Approved Net Fuel and Fuel Related Costs Factors	Sum	2.4866	2.4471	2.4122	2.4607
<u>Fuel and Fuel Related Cost Factors Required by Rule R8-55</u>						
5	Proposed Nuclear Capacity Factor of 93.60% and Normalized Test Period Sales	Exh 2 Sch 2 pg 2	0.0000	1.3675	1.5820	1.2927
6	NERC 5 Year Average Nuclear Capacity Factor of 91.87% and Projected Period Sales	Exh 2 Sch 3 pg 2	0.0000	1.3719	1.5662	1.2924
<u>Proposed Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 93.60%</u>						
7	Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh	Exh 2 Sch 1 pg 2	2.5956	2.2351	1.9114	2.3145
8	REPS Compliance and QF Purchased Power - Capacity cents/kWh	Exh 2 Sch 1 pg 2	0.0331	0.0245	0.0214	0.0272
9	Total adjusted Fuel and Fuel Related Costs cents/kWh	Sum	2.6287	2.2596	1.9328	2.3417
10	EMF Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	1.2579	1.2342	1.3007	1.2568
11	EMF Interest Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	0.0084	0.0082	0.0087	0.0084
12	Net Fuel and Fuel Related Costs Factors cents/kWh	Sum	3.8950	3.5020	3.2422	3.6069

Note: Fuel factors exclude regulatory fee

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 93.60%
Test Period Ended December 31, 2022
Billing Period September 2023 - August 2024
Docket E-7, Sub 1282

Line #	Unit	Reference	Generation (MWh)	Unit Cost (cents/kWh)	Fuel Cost (\$)
			D	E	D * E = F
1	Total Nuclear	Workpaper 1	58,871,920	0.5609	330,239,182
2	Coal	Workpaper 3 & 4	10,197,068	3.9786	405,705,179
3	Gas CT and CC	Workpaper 3 & 4	29,873,528	3.4985	1,045,125,311
4	Reagents and Byproducts	Workpaper 9			25,288,082
5	Total Fossil	Sum	40,070,595		1,476,118,572
6	Hydro	Workpaper 3	5,280,351		
7	Net Pumped Storage	Workpaper 3	(3,799,951)		
8	Total Hydro	Sum	1,480,401		-
9	Solar Distributed Generation	Workpaper 3	359,301		-
10	Total Generation	Line 1 + Line 5 + Line 8 + Line 9	100,782,217		1,806,357,754
11	Less Lee CC Joint Owners	Workpaper 3 & 4	(878,400)		(23,592,537)
12	Less Catawba Joint Owners	Workpaper 3 & 4	(14,888,880)		(83,567,124)
13	Fuel expense recovered through reimbursement	Workpaper 4			(3,687,381)
14	Net Generation	Sum Lines 10-13	85,014,937		1,695,510,712
15	Purchased Power	Workpaper 3 & 4	10,963,165	3.0356	332,801,702
16	JDA Savings Shared	Workpaper 5			115,585,534
17	Total Purchased Power		10,963,165		448,387,237
18	Total Generation and Purchased Power	Line 14 + Line 17	95,978,101	2.2337	2,143,897,948
19	Fuel expense recovered through intersystem sales	Workpaper 3 & 4	(1,028,431)	3.8382	(39,473,663)
20	Line losses and Company use	Line 22-Line 18-Line 19	(5,078,704)		-
21	System Fuel Expense for Fuel Factor	Lines 18 + 19 + 20			2,104,424,285
22	Projected System MWh Sales for Fuel Factor	Workpaper 7	89,870,966		89,870,966
23	Fuel and Fuel Related Costs cents/kWh	Line 21 / Line 22 / 10			2.3416

Note: Rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 93.60%
Test Period Ended December 31, 2022
Billing Period September 2023 - August 2024
Docket E-7, Sub 1282

Clark Settlement Exhibit 2
Schedule 1
Page 2 of 3

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWh Sales	Workpaper 7	23,311,388	24,873,076	12,148,800	60,333,264
Calculation of Renewable and Cogeneration Purchased Power Capacity Rate by Class						<u>Amount</u>
2	Purchased Power for REPS Compliance - Capacity	Workpaper 4				\$ 14,936,094
3	QF Purchased Power - Capacity	Workpaper 4				9,663,863
4	Total of Renewable and QF Purchased Power Capacity	Line 2 + Line 3				\$ 24,599,957
5	NC Portion - Jurisdictional % based on 2021 Production Plant Allocator	Input				66.68%
6	NC Renewable and QF Purchased Power - Capacity	Line 4 * Line 5				\$ 16,403,567
7	2021 Production Plant Allocation Factors	Input	47.04%	37.14%	15.81%	100.00%
8	Renewable and QF Purchased Power - Capacity allocated on 2021 Production Plant Allocator	Line 6 * Line 7	\$ 7,717,004	\$ 6,092,491	\$ 2,594,072	\$ 16,403,567
9	Renewable and QF Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1 / 10	0.0331	0.0245	0.0214	0.0272
Summary of Total Rate by Class						
10	Fuel and Fuel Related Costs excluding Purchased Power for REPS Compliance and QF Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.5956	2.2351	1.9114	2.3145
11	REPS Compliance and QF Purchased Power - Capacity cents/kWh	Line 9	0.0331	0.0245	0.0214	0.0272
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.6287	2.2596	1.9328	2.3417
13	EMF Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	1.2579	1.2342	1.3007	1.2568
14	EMF Interest Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	0.0084	0.0082	0.0087	0.0084
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 1 Page 3	3.8950	3.5020	3.2422	3.6069

Note: Rounding differences may occur

Line #	Rate Class	Projected Billing Period	Annual Revenue at	Allocate Fuel Costs	Increase/(Decrease)	Total Fuel Rate	Current Total Fuel Rate	Proposed Total Fuel
		MWh Sales	Current rates	Increase/(Decrease) to	as % of Annual	Increase/(Decrease)	(including Capacity and	Rate (including Capacity
		A	B	C	D	E	F	G
		Workpaper 7	Workpaper 8	Line 25 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Clark Exhibit 1	E + F = G
1	Residential	23,311,388	\$ 2,466,691,215	\$ 328,324,276	13.31%	1.4084	2.4866	3.8950
2	General Service/Lighting	24,873,076	1,971,226,718	262,376,410	13.31%	1.0549	2.4471	3.5020
3	Industrial	12,148,800	757,602,036	100,839,188	13.31%	0.8300	2.4122	3.2422
4	NC Retail	60,333,264	\$ 5,195,519,969	\$ 691,539,874	13.31%			

Total Proposed Composite Fuel Rate:

5	Total Fuel Costs for Allocation	Workpaper 7	\$ 2,108,820,500					
6	Total of Renewable and QF Purchased Power Capacity	Exhibit 2 Sch 1, Page 2	24,599,957					
7	System Other Fuel Costs	Line 5 - Line 6	\$ 2,084,220,543					
8	Adjusted Projected System MWh Sales for Fuel Factor	Workpaper 7	90,050,257					
9	NC Retail Projected Billing Period MWh Sales	Line 4	60,333,264					
10	Allocation %	Line 9 / Line 8	67.00%					
11	NC Retail Other Fuel Costs	Line 7 * Line 10	\$ 1,396,427,764					
12	NC Renewable and QF Purchased Power - Capacity	Exhibit 2 Sch 1, Page 2	16,403,567					
13	NC Retail Total Fuel Costs	Line 11 + Line 12	\$ 1,412,831,331					
14	NC Retail Projected Billing Period MWh Sales	Line 4	60,333,264					
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14 / 10	2.3417					
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	1.2568					
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	0.0084					
18	Total Proposed Composite Fuel Rate	Sum	3.6069					

Total Current Composite Fuel Rate - Docket E-7 Sub 1263:

19	Current composite Fuel Rate cents/kWh	Clark Exhibit 1	1.9010					
20	Current composite EMF Rate cents/kWh	Clark Exhibit 1	0.5597					
21	Current composite EMF Interest Rate cents/kWh	Clark Exhibit 1	0.0000					
22	Total Current Composite Fuel Rate	Sum	2.4607					
23	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 18 - Line 22	1.1462					
24	NC Retail Projected Billing Period MWh Sales	Line 4	60,333,264					
25	Increase/(Decrease) in Fuel Costs	Line 23 * Line 24 * 10	\$ 691,539,875					
26	EDIT Mitigation							
27	Net Increase/(Decrease) in Fuel Costs with EDIT Mitigation		\$ 691,539,875					

Note: Rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 93.60% and Normalized Test Period Sales
Test Period Ended December 31, 2022
Billing Period September 2023 - August 2024
Docket E-7, Sub 1282

Clark Settlement Exhibit 2
Schedule 2
Page 1 of 3

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Line #	Unit	Reference	Generation (MWh)	Unit Cost (cents/kWh)	Fuel Cost (\$)
			D	E	D * E = F
1	Total Nuclear	Workpaper 1	58,871,920	0.5609	330,239,182
2	Coal	Calculated	9,207,306	3.9786	366,326,086
3	Gas CT and CC	Workpaper 3 & 4	29,873,528	3.4985	1,045,125,311
4	Reagents and Byproducts	Workpaper 9	-		25,288,082
5	Total Fossil	Sum	39,080,834		1,436,739,479
6	Hydro	Workpaper 3	5,280,351		
7	Net Pumped Storage	Workpaper 3	(3,799,951)		
8	Total Hydro	Sum	1,480,401		
9	Solar Distributed Generation	Workpaper 3	359,301		
10	Total Generation	Line 1 + Line 5 + Line 8 + Line 9	99,792,455		1,766,978,661
11	Less Lee CC Joint Owners	Workpaper 3 & 4	(878,400)		(23,592,537)
12	Less Catawba Joint Owners	Workpaper 3 & 4	(14,888,880)		(83,567,124)
13	Fuel expense recovered through reimbursement	Workpaper 4			(3,687,381)
14	Net Generation	Sum	84,025,175		1,656,131,618
15	Purchased Power	Workpaper 3 & 4	10,963,165		332,801,702
16	JDA Savings Shared	Workpaper 5	-		115,585,534
17	Total Purchased Power	Sum	10,963,165		448,387,237
18	Total Generation and Purchased Power	Line 14 + Line 17	94,988,340		2,104,518,855
19	Fuel expense recovered through intersystem sales	Workpaper 3 & 4	(1,028,431)		(39,473,663)
20	Line losses and Company use	Line 22 - Line 19 - Line 18	(5,078,704)		-
21	System Fuel Expense for Fuel Factor	Lines 18 + 19 + 20			2,065,045,192
22	Normalized Test Period MWh Sales	Exhibit 4	88,881,205		88,881,205
23	Fuel and Fuel Related Costs cents/kWh	Line 21 / Line 22 / 10			2.3234

Note: Rounding differences may occur

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Normalized Test Period MWh Sales	Exhibit 4	22,892,401	24,448,017	12,219,040	59,559,458
Calculation of Renewable Purchased Power Capacity Rate by Class						<u>Amount</u>
2	Purchased Power for REPS Compliance - Capacity	Workpaper 4				\$ 14,936,094
3	QF Purchased Power - Capacity	Workpaper 4				9,663,863
4	Total of Renewable and QF Purchased Power Capacity	Line 2 + Line 3				\$ 24,599,957
5	NC Portion - Jurisdictional % based on 2021 Production Plant Allocator	Input				66.68%
6	NC Renewable and QF Purchased Power - Capacity	Line 4 * Line 5				\$ 16,403,567
7	2021 Production Plant Allocation Factors	Input	47.04%	37.14%	15.81%	100.00%
8	Renewable and QF Purchased Power - Capacity allocated on 2021 Production Plant Allocator	Line 6 * Line 7	\$ 7,717,004	\$ 6,092,491	\$ 2,594,072	\$ 16,403,567
9	Renewable and QF Purchased Power - Capacity cents/kWh based on Normalized Test Period Sales	Line 8 / Line 1 / 10	0.0337	0.0249	0.0212	0.0275
Summary of Total Rate by Class						
10	Fuel and Fuel Related Costs excluding Purchased Power for REPS Compliance and QF Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	(1.3000)	0.1002	0.2514	(0.0000)
11	REPS Compliance and QF Purchased Power - Capacity cents/kWh	Line 9	0.0337	0.0249	0.0212	0.0275
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	(1.2663)	0.1251	0.2726	0.0275
13	EMF Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	1.2579	1.2342	1.3007	1.2568
14	EMF Interest Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	0.0084	0.0082	0.0087	0.0084
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 2 Page 3		1.3675	1.5820	1.2927

Note: Rounding differences may occur

Line #	Rate Class	Normalized Test Period MWh Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/(Decrease) as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Total Fuel Rate (including Capacity and EMF) E-7, Sub 1263	Proposed Total Fuel Rate (including Capacity and EMF)
		A	B	C	D	E	F	G
		Exhibit 4	Workpaper 8	Line 25 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Clark Exhibit 1	E + F = G
1	Residential	22,892,401	\$ 2,466,691,215	\$ (330,277,773)	-13.39%	(1.4427)	2.4866	1.0439
2	General Service/Lighting	24,448,017	\$ 1,971,226,718	(263,937,524)	-13.39%	(1.0796)	2.4471	1.3675
3	Industrial	12,219,040	\$ 757,602,036	(101,439,172)	-13.39%	(0.8302)	2.4122	1.5820
4	NC Retail	59,559,458	\$ 5,195,519,969	\$ (695,654,469)				

Total Proposed Composite Fuel Rate:

5	Total Fuel Costs for Allocation	Workpaper 7a	\$ 2,069,441,407					
6	Total of Renewable and QF Purchased Power Capacity	Exhibit 2 Sch 2, Page 2	24,599,957					
7	System Other Fuel Costs	Line 5 - Line 6	\$ 2,044,841,450					
8	Normalized Test Period System MWh Sales for Fuel Factor	Workpaper 7a	89,060,496					
9	NC Retail Normalized Test Period MWh Sales	Exhibit 4	59,559,458					
10	Allocation %	Line 9 / Line 8	66.88%					
11	NC Retail Other Fuel Costs	Line 7 * Line 10						
12	NC Renewable and QF Purchased Power - Capacity	Exhibit 2 Sch 2, Page 2	16,403,567					
13	NC Retail Total Fuel Costs	Line 11 + Line 12	\$ 16,403,567					
14	NC Retail Normalized Test Period MWh Sales	Line 9	59,559,458					
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14 / 10	0.0275					
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	1.2568					
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	0.0084					
18	Total Proposed Composite Fuel Rate	Sum	1.2927					

Total Current Composite Fuel Rate - Docket E-7 Sub 1263:

19	Current composite Fuel Rate cents/kWh	Clark Exhibit 1	1.9010					
20	Current composite EMF Rate cents/kWh	Clark Exhibit 1	0.5597					
21	Current composite EMF Interest Rate cents/kWh	Clark Exhibit 1	0.0000					
22	Total Current Composite Fuel Rate	Sum	2.4607					
23	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 18 - Line 22	(1.1680)					
24	NC Retail Normalized Test Period MWh Sales	Exhibit 4	59,559,458					
25	Increase/(Decrease) in Fuel Costs	Line 23 * Line 24 * 10	\$ (695,654,469)					

Note: Rounding differences may occur

Line #	Unit	Reference	Generation (MWh)	Unit Cost (cents/kWh)	Fuel Cost (\$)
			D	E	D * E = F
1	Total Nuclear	Workpaper 2	57,782,460	0.5609	324,127,910
2	Coal	Calculated	11,010,999	3.9786	438,088,639
3	Gas CT and CC	Workpaper 3 & 4	29,873,528	3.4985	1,045,125,311
4	Reagents and Byproducts	Workpaper 9	-		25,288,082
5	Total Fossil	Sum	40,884,527		1,508,502,032
6	Hydro	Workpaper 3	5,280,351		
7	Net Pumped Storage	Workpaper 3	(3,799,951)		
8	Total Hydro	Sum	1,480,401		
9	Solar Distributed Generation	Workpaper 3	359,301		
10	Total Generation	Line 1 + Line 5 + Line 8 + Line 9	100,506,689		1,832,629,942
11	Less Lee CC Joint Owners	Workpaper 3 & 4	(878,400)		(23,592,537)
12	Less Catawba Joint Owners	Calculated	(14,613,352)		(82,020,663)
13	Fuel expense recovered through reimbursement	Workpaper 4			(3,687,381)
14	Net Generation	Sum	85,014,937		1,723,329,361
15	Purchased Power	Workpaper 3 & 4	10,963,165		332,801,702
16	JDA Savings Shared	Workpaper 5	-		115,585,534
17	Total Purchased Power	Sum	10,963,165		448,387,237
18	Total Generation and Purchased Power	Line 14 + Line 17	95,978,101		2,171,716,598
19	Fuel expense recovered through intersystem sales	Workpaper 3 & 4	(1,028,431)		(39,473,663)
20	Line losses and Company use	Line 22 - Line 19 - Line 18	(5,078,704)		-
21	System Fuel Expense for Fuel Factor	Lines 18 + 19 + 20			2,132,242,934
22	Projected System MWh Sales for Fuel Factor	Workpaper 7b	89,870,966		89,870,966
23	Fuel and Fuel Related Costs cents/kWh	Line 21 / Line 22 / 10			2.3726

Note: Rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
NERC 5 Year Average Nuclear Capacity Factor of 91.87% and Projected Period Sales
Test Period Ended December 31, 2022
Billing Period September 2023 - August 2024
Docket E-7, Sub 1282

Clark Settlement Exhibit 2
Schedule 3
Page 2 of 3

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWh Sales	Workpaper 7b	23,311,388	24,873,076	12,148,800	60,333,264
Calculation of Renewable Purchased Power Capacity Rate by Class						Amount
2	Purchased Power for REPS Compliance - Capacity	Workpaper 4				\$ 14,936,094
3	QF Purchased Power - Capacity	Workpaper 4				9,663,863
4	Total of Renewable and QF Purchased Power Capacity	Line 2 + Line 3				\$ 24,599,957
5	NC Portion - Jurisdictional % based on 2021 Production Plant Allocator	Input				66.68%
6	NC Renewable and QF Purchased Power - Capacity	Line 4 * Line 5				\$ 16,403,567
7	2021 Production Plant Allocation Factors	Input	47.04%	37.14%	15.81%	100.00%
8	Renewable and QF Purchased Power - Capacity allocated on 2021 Production Plant Allocator	Line 6 * Line 7	\$ 7,717,004	\$ 6,092,491	\$ 2,594,072	\$ 16,403,567
9	Renewable and QF Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1 / 10	0.0331	0.0245	0.0214	0.0272
Summary of Total Rate by Class						
10	Fuel and Fuel Related Costs excluding Purchased Power for REPS Compliance and QF Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	(1.2994)	0.1050	0.2354	(0.0000)
11	REPS Compliance and QF Purchased Power - Capacity cents/kWh	Line 9	0.0331	0.0245	0.0214	0.0272
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	(1.2663)	0.1295	0.2568	0.0272
13	EMF Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	1.2579	1.2342	1.3007	1.2568
14	EMF Interest Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	0.0084	0.0082	0.0087	0.0084
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 3 Page 3		1.3719	1.5662	1.2924

Note: Rounding differences may occur

Line #	Rate Class	Projected Billing Period	Annual Revenue at	Allocate Fuel Costs	Increase/Decrease as	Total Fuel Rate	Current Total Fuel Rate	Proposed Total Fuel
		MWh Sales	Current rates	Increase/(Decrease) to Customer Class	% of Annual Revenue at Current Rates	Increase/(Decrease)	(including Capacity and EMF) E-7, Sub 1263	Rate (including Capacity and EMF)
		A	B	C	C / B = D	E	F	G
		Workpaper 7b	Workpaper 8	Line 25 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Clark Exhibit 1	E + F = G
1	Residential	23,311,388	\$ 2,466,691,215	\$ (334,654,731)	-13.57%	(1.4356)	2.4866	1.0510
2	General Service/Lighting	24,873,076	\$ 1,971,226,718	\$ (267,435,317)	-13.57%	(1.0752)	2.4471	1.3719
3	Industrial	12,148,800	\$ 757,602,036	\$ (102,783,479)	-13.57%	(0.8460)	2.4122	1.5662
4	NC Retail	60,333,264	\$ 5,195,519,969	\$ (704,873,527)				

Total Proposed Composite Fuel Rate:

5	Total Fuel Costs for Allocation	Workpaper 7b	\$ 2,136,639,150					
6	Total of Renewable and QF Purchased Power Capacity	Exhibit 2 Sch 3, Page 2	24,599,957					
7	System Other Fuel Costs	Line 5 - Line 6	\$ 2,112,039,193					
8	Adjusted Projected System MWh Sales for Fuel Factor	Workpaper 7b	90,050,257					
9	NC Retail Projected Billing Period MWh Sales	Line 4	60,333,264					
10	Allocation %	Line 9 / Line 8	67.00%					
11	NC Retail Other Fuel Costs	Line 7 * Line 10						
12	NC Renewable and QF Purchased Power - Capacity	Exhibit 2 Sch 3, Page 2	16,403,567					
13	NC Retail Total Fuel Costs	Line 11 + Line 12	\$ 16,403,567					
14	NC Retail Projected Billing Period MWh Sales	Line 4	60,333,264					
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14 / 10	0.0272					
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	1.2568					
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	0.0084					
18	Total Proposed Composite Fuel Rate	Sum	1.2924					

Total Current Composite Fuel Rate - Docket E-7 Sub 1263:

19	Current composite Fuel Rate cents/kWh	Clark Exhibit 1	1.9010					
20	Current composite EMF Rate cents/kWh	Clark Exhibit 1	0.5597					
21	Current composite EMF Interest Rate cents/kWh	Clark Exhibit 1	0.0000					
22	Total Current Composite Fuel Rate	Sum	2.4607					
23	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 18 - Line 22	(1.1683)					
24	NC Retail Projected Billing Period MWh Sales	Line 4	60,333,264					
25	Increase/(Decrease) in Fuel Costs	Line 23 * Line 24 * 10	\$ (704,873,527)					

Note: Rounding differences may occur

Line No.	Month	Fuel Cost Incurred c/kWh (a)	Fuel Cost Billed c/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2022			4,988,891	\$ 82,008,233
2	February ⁽¹⁾			5,189,525	\$ 61,224,070
3	March			4,642,682	\$ 16,628,788
4	April			4,283,375	\$ 22,131,836
5	May ⁽¹⁾			4,361,034	\$ 82,217,312
6	June ⁽¹⁾			5,223,755	\$ 115,761,737
7	July			5,560,704	\$ 146,325,916
8	August			6,010,616	\$ 185,513,643
9	September			5,369,219	\$ 84,720,701
10	October			4,315,777	\$ 27,143,393
11	November			4,103,701	\$ 71,328,379
12	December ⁽¹⁾			5,009,748	\$ 186,026,549
13	Total Test Period			59,059,028	\$ 1,081,030,561
14	Adjustment to remove (Over)/Under Recovery - January 2022 ⁽²⁾				\$ 81,987,600
15	Adjustment for Clemson CHP Steam Revenues				\$ (613,775)
16	Adjusted (Over)/Under Recovery				\$ 998,429,186
17	NC Projected Billing Period Sales (September 2023 - December 2024)				79,441,138
18	Experience Modification Increment (Decrement) cents/kWh				1.2568
19	Annual Interest Rate				4%
20	Monthly Interest Rate				0.33%
21	Number of Months (09/01/2024 - 12/31/2024)				4
22	Interest				\$ 6,656,195
23	EMF Interest Increment (Decrement)				0.0084

⁽¹⁾ Prior period corrections not included in rate incurred but are included in over/(under) recovery total

⁽²⁾ January 2022 filed in Docket E-7, Sub 1263 to update the EMF and included in the current EMF rate. Included for Commission review in accordance with NC Rule R8-55(d)(3) but deducted from total (Over)/Under on Line 16.

Rounding differences may occur

Line #	Month	Fuel Cost Incurred c/kWh (a)	Fuel Cost Billed c/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2022	2.6880	1.5337	2,129,408	\$ 24,579,060
2	February ⁽¹⁾	2.2111	1.5337	2,308,671	\$ 15,631,479
3	March	1.8234	1.5337	1,783,273	\$ 5,165,674
4	April	2.2527	1.5337	1,441,708	\$ 10,365,435
5	May ⁽¹⁾	3.7477	1.5337	1,441,079	\$ 31,901,319
6	June ⁽¹⁾	3.6847	1.5337	1,916,024	\$ 41,213,674
7	July	3.7644	1.5337	2,208,753	\$ 49,270,398
8	August	4.1426	1.5337	2,405,836	\$ 62,764,654
9	September	3.7169	1.7555	1,992,460	\$ 39,079,833
10	October	3.2667	2.0003	1,373,788	\$ 17,397,939
11	November	4.5684	2.0003	1,345,710	\$ 34,559,470
12	December ⁽¹⁾	5.2540	2.0003	2,073,011	\$ 73,670,397
13	Total Test Period⁽³⁾			22,419,721	\$ 405,599,334
14	Test Period Wtd Avg. c/kWh	3.4346	1.6532		
15	Adjustment to remove (Over)/Under Recovery - January 2022 ⁽²⁾				\$ 24,571,837
16	Adjustment for Clemson CHP Steam Revenues				\$ (217,439)
17	Adjusted (Over)/Under Recovery				\$ 380,810,058
18	NC Projected Billing Period Sales (September 2023 - December 2024)				30,273,969
19	Experience Modification Increment (Decrement) cents/kWh				1.2579
20	Annual Interest Rate				4%
21	Monthly Interest Rate				0.33%
22	Number of Months (09/01/2024 - 12/31/2024)				4
23	Interest			\$	2,538,734
24	EMF Interest Increment (Decrement)				0.0084

Notes:

⁽¹⁾ Prior period corrections not included in rate incurred but are included in over/(under) recovery total

⁽²⁾ January 2022 filed in Docket E-7, Sub 1263 to update the EMF and included in the current EMF rate. Included for Commission review in accordance with NC Rule R8-55(d)(3) but deducted from total (Over)/Under on Line 17.

⁽³⁾ North Carolina Residential sales on Exhibit 3, Line 13 differ from North Carolina Residential sales on Workpaper 11, due to an adjustment reported on the June 2022 monthly fuel report.

Rounding differences may occur

Line #	Month	Fuel Cost Incurred c/kWh (a)	Fuel Cost Billed c/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2022	3.6550	1.6895	1,921,732	\$ 37,771,442
2	February ⁽¹⁾	3.2504	1.6895	1,927,508	\$ 30,077,232
3	March	2.2020	1.6895	1,808,909	\$ 9,269,996
4	April	2.1636	1.6895	1,840,396	\$ 8,725,608
5	May ⁽¹⁾	3.4774	1.6895	1,904,671	\$ 34,049,947
6	June ⁽¹⁾	3.9661	1.6895	2,184,316	\$ 49,730,332
7	July	4.5134	1.6895	2,260,531	\$ 63,835,167
8	August	4.9415	1.6895	2,467,241	\$ 80,234,867
9	September	2.9735	1.7523	2,309,221	\$ 28,198,709
10	October	2.1545	1.8217	1,927,666	\$ 6,414,818
11	November	3.2050	1.8217	1,777,613	\$ 24,589,863
12	December ⁽¹⁾	5.0399	1.8217	2,007,616	\$ 71,896,623
13	Total Test Period			24,337,421	\$ 444,794,604
14	Test Period Wtd Avg. c/kWh	3.5242	1.7265		
15	Adjustment to remove (Over)/Under Recovery - January 2022 ⁽²⁾				\$ 37,762,562
16	Adjustment for Clemson CHP Steam Revenues				\$ (263,925)
17	Adjusted (Over)/Under Recovery				\$ 406,768,116
18	NC Projected Billing Period Sales (September 2023 - December 2024)				32,956,985
19	Experience Modification Increment (Decrement) cents/kWh				1.2342
20	Annual Interest Rate				4%
21	Monthly Interest Rate				0.33%
22	Number of Months (09/01/2024 - 12/31/2024)				4
23	Interest				\$ 2,711,787
24	EMF Interest Increment (Decrement)				0.0082

Notes:

⁽¹⁾ Prior period corrections not included in rate incurred but are included in over/(under) recovery total

⁽²⁾ January 2022 filed in Docket E-7, Sub 1263 to update the EMF and included in the current EMF rate. Included for Commission review in accordance with NC Rule R8-55(d)(3) but deducted from total (Over)/Under on Line 17.

Rounding differences may occur

Line #	Month	Fuel Cost Incurred c/kWh (a)	Fuel Cost Billed c/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2022	3.8206	1.7243	937,751	\$ 19,657,733
2	February ⁽¹⁾	3.3522	1.7243	953,346	\$ 15,515,360
3	March	1.9331	1.7243	1,050,500	\$ 2,193,118
4	April	2.0280	1.7243	1,001,271	\$ 3,040,792
5	May ⁽¹⁾	3.3268	1.7243	1,015,284	\$ 16,266,045
6	June ⁽¹⁾	3.9333	1.7243	1,123,416	\$ 24,817,732
7	July	4.7681	1.7243	1,091,420	\$ 33,220,351
8	August	5.4617	1.7243	1,137,540	\$ 42,514,122
9	September	3.4130	1.7791	1,067,538	\$ 17,442,158
10	October	2.1680	1.8396	1,014,322	\$ 3,330,636
11	November	3.0819	1.8396	980,378	\$ 12,179,045
12	December ⁽¹⁾	5.7913	1.8396	929,121	\$ 40,459,529
13	Total Test Period			12,301,885	\$ 230,636,623
14	Test Period Wtd Avg. c/kWh	3.6009	1.7565		
15	Adjustment to remove (Over)/Under Recovery - January 2022 ⁽²⁾				\$ 19,653,201
16	Adjustment for Clemson CHP Steam Revenues				\$ (132,411)
17	Adjusted (Over)/Under Recovery				\$ 210,851,011
18	NC Projected Billing Period Sales (September 2023 - December 2024)				16,210,185
19	Experience Modification Increment (Decrement) cents/KWh				1.3007
20	Annual Interest Rate				4%
21	Monthly Interest Rate				0.33%
22	Number of Months (09/01/2024 - 12/31/2024)				4
23	Interest			\$	1,405,673
24	EMF Interest Increment (Decrement)				0.0087

Notes:

⁽¹⁾ Prior period corrections not included in rate incurred but are included in over/(under) recovery total

⁽²⁾ January 2022 filed in Docket E-7, Sub 1263 to update the EMF and included in the current EMF rate. Included for Commission review in accordance with NC Rule R8-55(d)(3) but deducted from total (Over)/Under on Line 17.

Rounding differences may occur

Line #	Description	Reference	Total Company	North Carolina Retail	North Carolina Residential	North Carolina General Service/Lighting	North Carolina Industrial
1	Test Period MWh Sales (excluding inter system sales) ⁽¹⁾	Exhibit 6 Schedule 1 (Line 4) and Workpaper 11 (NC Retail)	88,284,042	59,059,117	22,419,810	24,337,421	12,301,885
2	Customer Growth MWh Adjustment	Workpaper 13 Pg 1	160,003	162,487	130,366	103,625	(71,505)
3	Weather MWh Adjustment	Workpaper 12 Pg 1	437,160	337,854	342,225	6,970	(11,341)
4	Total Normalized MWh Sales	Sum	88,881,205	59,559,458	22,892,401	24,448,017	12,219,040
5	Test Period Fuel and Fuel Related Revenue *		\$ 1,606,073,846	\$ 1,006,893,394			
6	Test Period Fuel and Fuel Related Expense *		\$ 2,966,425,990	\$ 2,087,923,955			
7	Test Period Unadjusted (Over)/Under Recovery		\$ 1,360,352,144	\$ 1,081,030,561			
			2021 Summer Coincidental Peak (CP) kW				
8	Total System Peak		17,241,828				
9	NC Retail Peak		11,480,608				
10	NC Residential Peak		5,400,475				
11	NC General Service/Lighting Peak		4,263,819				
12	NC Industrial Peak		1,816,314				

* Total Company Fuel and Fuel-Related Revenue and Fuel and Fuel-Related Expense are determined based upon the fuel and fuel-related cost recovery mechanism in each of the company's jurisdictions.

⁽¹⁾ North Carolina Residential sales on Exhibit 4, Line 1 differ from North Carolina Residential sales on Exhibit 3, Page 2 of 4 due to an adjustment reported on the June 2022 monthly fuel report.

Rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Nuclear Capacity Ratings
Test Period Ended December 31, 2022
Billing Period September 2023 - August 2024
Docket E-7, Sub 1282

Clark Settlement Exhibit 5

Unit	Rate Case		Proposed Capacity Rating MW
	Docket E-7, Sub 1214	Fuel Docket E-7, Sub 1263	
Oconee Unit 1	847.0	847.0	847.0
Oconee Unit 2	848.0	848.0	848.0
Oconee Unit 3	859.0	859.0	859.0
McGuire Unit 1	1,158.0	1,158.0	1,158.0
McGuire Unit 2	1,157.6	1,157.6	1,157.6
Catawba Unit 1	1,160.1	1,160.0	1,160.0
Catawba Unit 2	1,150.1	1,150.1	1,150.1
Total Company	7,179.8	7,179.7	7,179.7

DECEMBER 2022 MONTHLY FUEL FILING

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Proposed Nuclear Capacity Factor
Billing Period September 2023 through August 2024
Docket E-7, Sub 1282

Clark Settlement Workpaper 1

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWhs	9,980,344	9,191,590	8,868,313	9,887,079	7,345,341	6,787,188	6,812,066	58,871,920
Cost (Gross of Joint Owners)	\$ 62,084,118	\$ 50,530,499	\$ 46,895,042	\$ 53,798,314	\$ 41,957,266	\$ 34,678,076	\$ 40,295,868	\$ 330,239,182
\$/MWh	6.2206	5.4975	5.2879	5.4413	5.7121	5.1093	5.9154	
Avg \$/MWh		5.6095						
Cents per kWh		0.5609						

			Sept 2023 - August 2024
MDC			
CATA_UN01	Catawba	MW	1,160.0
CATA_UN02	Catawba	MW	1,150.1
MCGU_UN01	McGuire	MW	1,158.0
MCGU_UN02	McGuire	MW	1,157.6
OCON_UN01	Oconee	MW	847.0
OCON_UN02	Oconee	MW	848.0
OCON_UN03	Oconee	MW	859.0
			<u>7,179.7</u>

Hours In Year 8,760

			Sept 2023 - August 2024
Generation GWhs			
CATA_UN01	Catawba	GWh	9,980
CATA_UN02	Catawba	GWh	9,192
MCGU_UN01	McGuire	GWh	8,868
MCGU_UN02	McGuire	GWh	9,887
OCON_UN01	Oconee	GWh	7,345
OCON_UN02	Oconee	GWh	6,787
OCON_UN03	Oconee	GWh	6,812
			<u>58,872</u>

Proposed Nuclear Capacity Factor 93.60%

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 NERC 5 Year Average Nuclear Capacity Factor
 Billing Period September 2023 through August 2024
 Docket E-7, Sub 1282

Clark Settlement Workpaper 2

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWhs with NERC applied	9,272,460	9,193,324	9,256,473	9,253,276	6,900,340	6,908,486	6,998,101	57,782,460
Hours	8,760	8,760	8,760	8,760	8,760	8,760	8,760	8,760
MDC	1,160.0	1,150.1	1,158.0	1,157.6	847.0	848.0	859.0	7,179.7
Capacity factor	91.25%	91.25%	91.25%	91.25%	93.00%	93.00%	93.00%	91.87%
Cost	\$ 52,013,415	\$ 51,569,507	\$ 51,923,737	\$ 51,905,801	\$ 38,707,121	\$ 38,752,820	\$ 39,255,510	\$ 324,127,910

Avg \$/MWh **5.6095**
 Cents per kWh **0.5609**

2017-2021	Capacity Rating	NCF Rating	Weighted Average
Oconee 1	847.0	93.00	10.97%
Oconee 2	848.0	93.00	10.98%
Oconee 3	859.0	93.00	11.13%
McGuire 1	1,158.0	91.25	14.72%
McGuire 2	1,157.6	91.25	14.71%
Catawba 1	1,160.0	91.25	14.74%
Catawba 2	1,150.1	91.25	14.62%
	<u>7,179.7</u>		91.87%

Wtd Avg on Capacity Rating

rounding differences may occur

Duke Energy Carolinas, LLC

Clark Settlement Workpaper 3

North Carolina Annual Fuel and Fuel Related Expense
North Carolina Generation and Purchased Power in MWhs
Billing Period September 2023 through August 2024
Docket E-7, Sub 1282

<u>Resource Type</u>	<u>Sept 2023 - August 2024</u>	
NUC Total (Gross)	58,871,920	
COAL Total	10,197,068	
Gas CT and CC total (Gross)	29,873,528	
Run of River	5,280,351	
Net pumped Storage	(3,799,951)	
Total Hydro	<u>1,480,401</u>	
Catawba Joint Owners	(14,888,880)	
Lee CC Joint Owners	(878,400)	
DEC owned solar	359,301	
Total Generation		85,014,937
Purchases for REPS Compliance	1,436,977	
Qualifying Facility Purchases - Non-REPS compliance	1,788,429	
Other Purchases	166,722	
Allocated Economic Purchases	504,389	
Joint Dispatch Purchases	<u>7,066,647</u>	
Total Generation and Purchased Power	10,963,165	95,978,101
Fuel Recovered Through Intersystem Sales	(1,028,431)	

rounding differences may occur

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Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Projected Fuel and Fuel Related Costs
 Billing Period September 2023 through August 2024
 Docket E-7, Sub 1282

Clark Settlement Workpaper 4

Resource Type	Sept 2023 - August 2024	
Nuclear Total (Gross)	\$ 330,239,182	
COAL Total	405,705,179	
Gas CT and CC total (Gross)	1,045,125,311	
Catawba Joint Owner costs	(83,567,124)	
CC Joint Owner costs	(23,592,537)	
Non-Economic Fuel Expense Recovered through Reimbursement	(3,687,381)	
Reagents and gain/loss on sale of By-Products	25,288,082	Workpaper 9
Purchases for REPS Compliance - Energy	68,804,621	
Purchases for REPS Compliance - Capacity	14,936,094	
Purchases of Qualifying Facilities - Energy	46,784,121	
Purchases of Qualifying Facilities - Capacity	9,663,863	
Other Purchases	442,692	
JDA Savings Shared	115,585,534	Workpaper 5
Allocated Economic Purchase cost	22,007,503	Workpaper 5
Joint Dispatch purchases	170,162,808	Workpaper 6
Total Purchases	<u>448,387,237</u>	
Fuel Expense recovered through intersystem sales	(39,473,663)	Workpaper 5
Total System Fuel and Fuel Related Costs	\$ 2,104,424,285	

rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Projected Merger Payments
Billing Period September 2023 through August 2024
Docket E-7, Sub 1282

Clark Settlement Workpaper 6

	Transfer Projection		Purchase Allocation Delta		Adjusted Transfer		Fossil Gen Cost		Pre-Net Payments	
	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC
9/1/2023	888,206	6,167	12,746	(12,746)	900,952	6,167	21.69	19.50	120,285	19,544,370
10/1/2023	759,078	22,356	24,443	(24,443)	783,521	22,356	20.73	19.03	425,482	16,241,475
11/1/2023	707,022	10,465	36,802	(36,802)	743,824	10,465	17.98	22.78	238,408	13,375,445
12/1/2023	668,931	8,104	(1,330)	1,330	668,931	9,435	26.35	28.09	265,028	17,627,583
1/1/2024	440,541	10,654	7,184	(7,184)	447,724	10,654	29.99	32.85	350,028	13,425,347
2/1/2024	372,757	14,658	(2,015)	2,015	372,757	16,673	29.44	29.98	499,850	10,974,346
3/1/2024	320,748	229,436	(1,388)	1,388	320,748	230,824	28.06	24.38	5,627,246	8,998,605
4/1/2024	368,059	68,107	26,423	(26,423)	394,482	68,107	22.61	23.72	1,615,378	8,918,750
5/1/2024	599,170	44,714	3,506	(3,506)	602,676	44,714	20.39	24.74	1,106,424	12,290,668
6/1/2024	565,913	29,299	58,422	(58,422)	624,334	29,299	24.95	24.99	732,110	15,577,092
7/1/2024	613,464	22,701	16,901	(16,901)	630,366	22,701	27.59	26.81	608,571	17,389,897
8/1/2024	552,420	15,664	23,912	(23,912)	576,332	15,664	27.41	26.11	409,076	15,799,230
Sept 23 - Aug 24	6,856,310	482,326	205,604	(205,604)	7,066,647	487,060			\$ 11,997,888	\$ 170,162,808
									Net Pre-Net Payments	\$ 158,164,920

rounding differences may occur

Spring 2023 Forecast
Billed Sales Forecast
Sales Forecast - MWhs (000)

	Projected sales for the Billing Period	Remove impact of SC DERP Net Metered Generation	Adjusted Sales
North Carolina:			
Residential	23,311,388		23,311,388
General	24,631,092		24,631,092
Industrial	12,148,800		12,148,800
Lighting	241,984		241,984
NC RETAIL	60,333,264	-	60,333,264
South Carolina:			
Residential	7,175,070	136,278	7,311,348
General	5,591,750	42,584	5,634,334
Industrial	8,402,177	429	8,402,606
Lighting	49,483	-	49,483
SC RETAIL	21,218,481	179,291	21,397,771
Total Retail Sales			
Residential	30,486,458	136,278	30,622,736
General	30,222,842	42,584	30,265,426
Industrial	20,550,977	429	20,551,406
Lighting	291,467	-	291,467
Retail Sales	81,551,744	179,291	81,731,035
Wholesale	8,319,222	-	8,319,222
Projected System MWH Sales for Fuel Factor	89,870,966	179,291	90,050,257
NC as a percentage of total	67.13%		67.00%
SC as a percentage of total	23.61%		23.76%
Wholesale as a percentage of total	9.26%		9.24%
	100.00%		100.00%
SC Net Metering allocation adjustment			
Total projected SC NEM MWhs		179,291	
Marginal fuel rate per MWh for SC NEM	\$	24.52	
Fuel benefit to be directly assigned to SC Retail	\$	4,396,215	
System Fuel Expense	\$	2,104,424,285	Clark Exhibit 2 Schedule 1 Page 1 of 3
Fuel benefit to be directly assigned to SC Retail	\$	4,396,215	
Total Fuel Costs for Allocation	\$	2,108,820,500	Clark Exhibit 2 Schedule 1 Page 3 of 3, L5

Reconciliation	Allocation to states/classes			
	System	NC Retail Customers	Wholesale	South Carolina Retail
Total system fuel expense from Clark Exhibit 2 Schedule 1 Page 1	\$ 2,104,424,285			
QF and REPS Compliance Purchased Power - Capacity	\$ 24,599,957			
Other fuel costs	\$ 2,079,824,328			
SC Net Metering Fuel Allocation adjustment	\$ 4,396,215			
Jurisdictional fuel costs after adj.	\$ 2,084,220,543			
		67.00%	9.24%	23.76%
Jurisdictional fuel costs	\$ 2,084,220,543	\$ 1,396,427,764	\$ 192,581,978	\$ 495,210,801
Direct Assignment of Fuel benefit to SC Retail	\$ (4,396,215)	\$ -	\$ -	\$ (4,396,215)
Total system actual fuel costs	\$ 2,079,824,328	\$ 1,396,427,764	\$ 192,581,978	\$ 490,814,586
QF and REPS Compliance Purchased Power - Capacity	24,599,957	16,403,567		
Total system fuel expense from Clark Exhibit 2 Schedule 1 Page 1	\$ 2,104,424,285	\$ 1,412,831,331		

Exh.2, Sch. 1 page 3, Line 13

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Projected and Adjusted Projected Sales and Costs
 Proposed Nuclear Capacity Factor of 93.60% and Normalized Test Period Sales
 Billing Period September 2023 through August 2024
 Docket E-7, Sub 1282

Clark Settlement Workpaper 7a

Spring 2023 Forecast
 Billed Sales Forecast - Normalized Test Period Sales
 Sales Forecast - MWhs (000)

	Test Period Sales	Customer Growth Adjustment	Weather Adjustment	Remove impact of SC DERP Net Metered generation	Normalized Test Period Sales
NC RETAIL	59,059,117	162,487	337,854	-	59,559,458
SC RETAIL	20,955,111	(8,320)	99,613	179,291	21,225,695
Wholesale	8,269,814	5,836	(306)	-	8,275,343
Normalized System MWH Sales for Fuel Factor	88,284,042	160,003	437,160	179,291	89,060,496
NC as a percentage of total	66.90%				66.88%
SC as a percentage of total	23.74%				23.83%
Wholesale as a percentage of total	9.37%				9.29%
	100.00%				100.00%

SC Net Metering allocation adjustment

Total projected SC NEM MWhs	179,291
Marginal fuel rate per MWh for SC NEM	\$ 24.52
Fuel benefit to be directly assigned to SC Retail	\$ 4,396,215

System Fuel Expense	\$ 2,065,045,192	Clark Exhibit 2 Schedule 2 Page 1 of 3
Fuel benefit to be directly assigned to SC Retail	\$ 4,396,215	
Total Fuel Costs for Allocation	\$ 2,069,441,407	Clark Exhibit 2 Schedule 2 Page 3 of 3, L5

Reconciliation	System	NC Retail Customers	Wholesale	South Carolina Retail
Total system fuel expense from Clark Exhibit 2 Schedule 2 Page 1	\$ 2,065,045,192			
QF and REPS Compliance Purchased Power - Capacity	\$ 24,599,957			
Other fuel costs	\$ 2,040,445,234			
SC Net Metering Fuel Allocation adjustment	\$ 4,396,215			
Jurisdictional fuel costs after adj.	\$ 2,044,841,450			
Allocation to states/classes		66.88%	9.29%	23.83%
Jurisdictional fuel costs	\$ 2,044,841,438	\$ 1,367,493,445	\$ 190,003,045	\$ 487,344,939
Direct Assignment of Fuel benefit to SC Retail	\$ (4,396,215)	\$ -	\$ -	\$ (4,396,215)
Total system actual fuel costs	\$ 2,040,445,223	\$ 1,367,493,445	\$ 190,003,045	\$ 482,948,724
QF and REPS Compliance Purchased Power - Capacity	24,599,957	16,403,567		
Total system fuel expense from Clark Exhibit 2 Schedule 2 Page 1	\$ 2,065,045,180	\$ 1,383,897,012		

Exh. 2, Sch 2 page 3, Line 13

rounding differences may occur

Spring 2023 Forecast
 Billed Sales Forecast
 Sales Forecast - MWhs (000)

		Projected sales for the Billing Period	Remove impact of SC DERP Net Metered generation	Adjusted Sales
North Carolina:				
	Residential	23,311,388		23,311,388
	General	24,631,092		24,631,092
	Industrial	12,148,800		12,148,800
	Lighting	241,984		241,984
	NC RETAIL	60,333,264	-	60,333,264
South Carolina:				
	Residential	7,175,070	136,278	7,311,348
	General	5,591,750	42,584	5,634,334
	Industrial	8,402,177	429	8,402,606
	Lighting	49,483	0	49,483
	SC RETAIL	21,218,481	179,291	21,397,772
Total Retail Sales				
	Residential	30,486,458	136,278	30,622,736
	General	30,222,842	42,584	30,265,426
	Industrial	20,550,977	429	20,551,406
	Lighting	291,467	-	291,467
	Retail Sales	81,551,745	179,291	81,731,036
	Wholesale	8,319,222	-	8,319,222
	Projected System MWh Sales for Fuel Factor	89,870,966	179,291	90,050,257
	NC as a percentage of total	67.13%		67.00%
	SC as a percentage of total	23.61%		23.76%
	Wholesale as a percentage of total	9.26%		9.24%
		100.00%		100.00%

SC Net Metering allocation adjustment

Total projected SC NEM MWhs	179,291	
Marginal fuel rate per MWh for SC NEM	\$ 24.52	
Fuel benefit to be directly assigned to SC Retail	\$ 4,396,215	
System Fuel Expense	\$ 2,132,242,934	Clark Exhibit 2 Schedule 3 Page 1 of 3
Fuel benefit to be directly assigned to SC Retail	\$ 4,396,215	
Total Fuel Costs for Allocation	\$ 2,136,639,150	Clark Exhibit 2 Schedule 3 Page 3 of 3, Line 5

Reconciliation

	System	NC Retail Customers	Wholesale	South Carolina Retail
Total system fuel expense from Clark Exhibit 2 Schedule 3 Page 1	\$ 2,132,242,934			
QF and REPS Compliance Purchased Power - Capacity	\$ 24,599,957			
Other fuel costs	\$ 2,107,642,977			
SC Net Metering Fuel Allocation adjustment	\$ 4,396,215			
Jurisdictional fuel costs after adj.	\$ 2,112,039,193			
Allocation to states/classes		67.00%	9.24%	23.76%
Jurisdictional fuel costs	\$ 2,112,039,193	\$ 1,415,066,259	\$ 195,152,421	\$ 501,820,512
Direct Assignment of Fuel benefit to SC Retail	\$ (4,396,215)		\$ -	\$ (4,396,215)
Total system actual fuel costs	\$ 2,107,642,977	\$ 1,415,066,259	\$ 195,152,421	\$ 497,424,297
QF and REPS Compliance Purchased Power - Capacity	24,599,957	16,403,567		
Total system fuel expense from Clark Exhibit 2 Schedule 3 Page 1	\$ 2,132,242,934	\$ 1,431,469,826		

Exh. 2, Sch.3 page 3, Line 13

rounding differences may occur

	January 2023 Actuals			Normalized Sales	Total Annualized Revenues
	Revenue	kWh Sales	Cents/ kWh	Clark Exhibit 4	
	(a)	(b)	(a)/(b) *100 = (c)	(d)	(c) * (d) * 10
Residential	\$ 259,112,943	2,404,726,417	10.7752	22,892,401	\$ 2,466,691,215
General	\$ 161,395,026	2,001,691,757	8.0629	24,448,017	\$ 1,971,226,718
Industrial	\$ 55,270,705	891,437,613	6.2002	12,219,040	\$ 757,602,036
Total	\$ 475,778,674	5,297,855,787		59,559,458	\$ 5,195,519,969

rounding differences may occur

Reagent and ByProduct projections

Date	Ammonia	Urea	Limestone	Magnesium		Lime	Reagent Cost	Gypsum (Gain)/		Ash (Gain)/Loss	Steam (Gain)/Loss	Sale of By-Products (Gain)/Loss
				Hydroxide	Calcium Carbonate			Loss				
9/1/2022	\$ 187,067	\$ 17,823	\$ 224,474	\$ 34,843	\$ 21,125	\$ 13,158	\$ 498,490	\$ 60,002	\$ (7,251)	\$ (188,430)	\$ (135,678)	
10/1/2022	\$ 77,713	\$ 7,404	\$ 93,252	\$ 15,002	\$ 9,096	\$ 13,158	\$ 215,624	\$ 25,001	\$ (2,374)	\$ (188,430)	\$ (165,802)	
11/1/2022	\$ 722,011	\$ 68,791	\$ 866,389	\$ 64,517	\$ 39,117	\$ 13,158	\$ 1,773,984	\$ 249,743	\$ (79,195)	\$ (188,430)	\$ (17,881)	
12/1/2022	\$ 1,605,806	\$ 152,997	\$ 1,926,913	\$ 118,263	\$ 71,702	\$ 13,158	\$ 3,888,839	\$ 669,682	\$ (187,273)	\$ (188,430)	\$ 293,979	
1/1/2023	\$ 2,375,310	\$ 226,313	\$ 2,850,292	\$ 160,896	\$ 97,551	\$ 13,158	\$ 5,723,520	\$ 1,050,918	\$ (243,517)	\$ (188,430)	\$ 618,972	
2/1/2023	\$ 1,859,654	\$ 177,183	\$ 2,231,522	\$ 141,074	\$ 85,533	\$ 13,158	\$ 4,508,124	\$ 751,057	\$ (195,534)	\$ (188,430)	\$ 367,093	
3/1/2023	\$ 659,731	\$ 62,857	\$ 791,655	\$ 47,064	\$ 28,535	\$ 13,158	\$ 1,603,000	\$ 204,428	\$ (67,657)	\$ (188,430)	\$ (51,659)	
4/1/2023	\$ 335,275	\$ 31,944	\$ 402,319	\$ 34,846	\$ 21,127	\$ 13,158	\$ 838,668	\$ 80,541	\$ (18,937)	\$ (188,430)	\$ (126,826)	
5/1/2023	\$ 289,085	\$ 27,543	\$ 346,892	\$ 37,815	\$ 22,927	\$ 13,158	\$ 737,420	\$ 85,062	\$ (19,979)	\$ (188,430)	\$ (123,347)	
6/1/2023	\$ 583,585	\$ 55,602	\$ 700,283	\$ 59,048	\$ 35,801	\$ 13,158	\$ 1,447,477	\$ 204,383	\$ (67,998)	\$ (188,430)	\$ (52,044)	
7/1/2023	\$ 765,121	\$ 72,899	\$ 918,120	\$ 69,159	\$ 41,931	\$ 13,158	\$ 1,880,387	\$ 295,936	\$ (96,985)	\$ (236,498)	\$ (37,547)	
8/1/2023	\$ 673,991	\$ 64,216	\$ 808,766	\$ 66,344	\$ 40,224	\$ 13,158	\$ 1,666,699	\$ 253,476	\$ (80,390)	\$ (236,498)	\$ (63,411)	
	\$ 10,134,349	\$ 965,573	\$ 12,160,878	\$ 848,869	\$ 514,668	\$ 157,896	\$ 24,782,233	\$ 3,930,230	\$ (1,067,089)	\$ (2,357,293)	\$ 505,848	

rounding differences may occur

Total Reagent cost and Sale of By-products \$ 25,288,082

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
2.5% Calculation Test
Twelve Months Ended December 31, 2022
Billing Period September 2023 through August 2024
Docket E-7, Sub 1282

Clark Settlement Workpaper 10

Line No.	Description	Forecast \$	(Over)/Under Collection \$	Total \$
1	Amount in current docket	108,889,655	70,794,129	179,683,784
2	Amount in Sub 1263, prior year docket	100,735,755	13,526,437	114,262,192
3	Increase/(Decrease)	8,153,900	57,267,693	65,421,592
4	2.5% of 2022 NC retail revenue of \$4,944,339,147			123,608,479
	Excess of purchased power growth over 2.5% of revenue			0
E-7, Sub 1282				
WP 4	Purchases for REPS Compliance - Energy	68,804,621	67.00%	46,099,096
WP 4	Purchases for REPS Compliance - Capacity	14,936,094	66.68%	9,959,579
WP 4	Purchases	442,692	67.00%	296,604
WP 4	QF Energy	46,784,121	67.00%	31,345,361
WP 4	QF Capacity	9,663,863	66.68%	6,443,988
WP 4	Allocated Economic Purchase cost	22,007,503	67.00%	14,745,027
		162,638,895		108,889,655
E-7, Sub 1263				
	Purchases for REPS Compliance	66,782,210	66.08%	44,126,819
	Purchases for REPS Compliance Capacity	14,610,064	66.68%	9,742,178
	Purchases	7,489,994	66.08%	4,949,066
	QF Energy	40,652,503	66.08%	26,861,429
	QF Capacity	8,445,498	66.68%	5,631,567
	Allocated Economic Purchase cost	14,263,480	66.08%	9,424,695
		152,243,749		100,735,755

rounding differences may occur

	2022	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	12 ME
System KWH Sales - Sch 4, Adjusted		7,587,345,694	7,631,271,992	6,790,067,074	6,455,104,305	6,544,372,277	7,852,382,055	8,386,958,942	8,886,608,895	8,009,959,106	6,516,474,006	6,148,600,623	7,600,126,412	88,409,271,381
NC Retail KWH Sales - Sch 4		4,988,913,451	5,189,555,709	4,642,701,985	4,283,391,409	4,361,033,505	5,223,755,139	5,560,704,210	6,010,616,462	5,369,219,189	4,315,776,539	4,103,701,351	5,009,748,290	59,059,117,240
NC Retail % of Sales, Adjusted (Calc)		65.75%	68.00%	68.37%	66.36%	66.64%	66.52%	66.30%	67.64%	67.03%	66.23%	66.74%	65.92%	66.80%
NC retail production plant %		66.68%	66.68%	66.68%	66.68%	66.68%	66.68%	66.68%	66.68%	66.68%	66.68%	66.68%	66.68%	66.68%
Fuel and Fuel related component of purchased power														
System Actual \$ - Sch 3 Fuel\$:	\$	37,348,658	\$ 40,334,882	\$ 28,936,616	\$ 49,553,437	\$ 53,977,979	\$ 76,187,119	\$ 84,243,384	\$ 92,288,328	\$ 54,398,279	\$ 11,798,321	\$ 41,689,819	\$ 94,911,581	\$ 665,668,403
System Actual \$ - Sch 3 Fuel-related\$; Economic Purchases		7,928,235	(1,570,627)	3,557,135	4,369,558	7,286,679	6,129,379	10,685,578	9,921,881	9,510,435	1,184,100	3,142,043	8,875,341	71,019,737
System Actual \$ - Sch 3 Fuel-related\$; Purchased Power for REPS Compliance		4,142,352	3,490,134	3,995,856	3,290,332	5,192,821	5,283,840	5,430,924	5,998,047	5,270,163	5,163,446	4,802,114	4,257,583	56,317,611
System Actual\$ - Sch 3 Fuel-related\$; SC DERP		153,840	153,265	196,932	137,675	248,854	297,053	290,834	285,229	257,994	240,417	248,173	229,623	2,739,889
System Actual \$ - Sch 3 Fuel-related\$; HB589 purpa Purchases		1,977,570	1,777,710	2,215,962	1,745,571	2,647,918	3,816,224	3,554,345	3,225,136	3,434,693	3,359,816	3,414,696	2,956,940	34,126,582
Total System Economic & QF\$		51,550,655	44,185,364	38,902,502	59,096,573	69,354,250	91,713,615	104,205,065	111,718,622	72,871,564	21,746,101	53,296,844	111,231,068	829,872,222
Less:														
Native Load Transfers, Native Load Transfer Benefit & DE - Progress fees	\$	30,480,569	\$ 37,453,029	\$ 26,486,545	\$ 48,026,753	\$ 49,193,125	\$ 74,564,244	\$ 75,622,595	\$ 87,008,500	\$ 47,113,469	\$ 10,577,023	\$ 40,068,662	\$ 74,950,979	\$ 601,545,494
Total System Economic \$ without Native Load Transfers	\$	21,070,086	\$ 6,732,335	\$ 12,415,956	\$ 11,069,820	\$ 20,161,125	\$ 17,149,371	\$ 28,582,470	\$ 24,710,121	\$ 25,758,095	\$ 11,169,078	\$ 13,228,182	\$ 36,280,089	\$ 228,326,728
NC Actual \$ (Calc)	\$	13,854,230	\$ 4,578,244	\$ 8,489,398	\$ 7,345,562	\$ 13,434,954	\$ 11,408,527	\$ 18,950,690	\$ 16,713,131	\$ 17,266,113	\$ 7,397,136	\$ 8,828,758	\$ 23,914,617	\$ 152,181,363
Billed rate (c/kWh):		0.1378	0.1378	0.1378	0.1378	0.1378	0.1378	0.1378	0.1378	0.1367	0.1378	0.1378	0.1378	
Billed \$:	\$	6,874,552	\$ 7,151,030	\$ 6,397,484	\$ 5,902,367	\$ 6,009,355	\$ 7,198,156	\$ 7,662,460	\$ 8,282,423	\$ 7,340,000	\$ 5,946,992	\$ 5,654,760	\$ 6,903,261	\$ 81,322,839
(Over)/ Under \$:	\$	6,979,678	\$ (2,572,786)	\$ 2,091,914	\$ 1,443,196	\$ 7,425,600	\$ 4,210,372	\$ 11,288,231	\$ 8,430,708	\$ 9,926,113	\$ 1,450,144	\$ 3,173,998	\$ 17,011,356	\$ 70,858,524
Capacity component of purchased power														
System Actual \$ - Capacity component of Cherokee County Cogen Purchases	\$	-	\$ (215,310)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (215,310)
System Actual \$ - Capacity component of Purchased Power for REPS Compliance		631,201	645,219	680,737	463,766	802,115	701,461	827,443	2,753,196	2,319,960	2,511,631	2,238,491	639,202	15,214,422
System Actual \$ - Capacity component of HB589 Purpa QF purchases		14,255	14,801	19,366	14,471	24,039	29,036	28,404	28,368	25,409	23,627	24,299	22,399	268,474
System Actual \$ - Capacity component of SC DERP		312,476	340,840	349,198	316,395	389,774	481,428	581,279	1,661,830	1,443,022	1,553,118	1,525,519	414,939	9,369,818
System Actual \$ - Sch 2 pg 1 ANNUAL VIEW	\$	957,932	\$ 785,549	\$ 1,049,301	\$ 794,633	\$ 1,215,927	\$ 1,211,925	\$ 1,437,127	\$ 4,443,394	\$ 3,788,390	\$ 4,088,375	\$ 3,788,310	\$ 1,076,540	\$ 24,637,403
NC Actual \$ (Calc) (1)	\$	638,761	\$ 523,814	\$ 699,688	\$ 529,871	\$ 810,796	\$ 808,127	\$ 958,294	\$ 2,962,912	\$ 2,526,147	\$ 2,726,181	\$ 2,526,093	\$ 717,851	\$ 16,428,537
Billed rate (c/kWh):		0.0279	0.0279	0.0279	0.0279	0.0279	0.0279	0.0279	0.0279	0.0284	0.0279	0.0279	0.0279	
Billed \$:	\$	1,390,793	\$ 1,446,727	\$ 1,294,277	\$ 1,194,110	\$ 1,215,755	\$ 1,456,261	\$ 1,550,195	\$ 1,675,620	\$ 1,525,438	\$ 1,203,138	\$ 1,144,016	\$ 1,396,601	\$ 16,492,931
(Over)/Under \$:	\$	(752,032)	\$ (922,913)	\$ (594,589)	\$ (664,238)	\$ (404,959)	\$ (648,134)	\$ (591,900)	\$ 1,287,293	\$ 1,000,709	\$ 1,523,043	\$ 1,382,077	\$ (678,751)	\$ (64,394)
TOTAL (Over)/ Under \$:	\$	6,227,647	\$ (3,495,699)	\$ 1,497,325	\$ 778,957	\$ 7,020,641	\$ 3,562,238	\$ 10,696,330	\$ 9,718,001	\$ 10,926,822	\$ 2,973,187	\$ 4,556,076	\$ 16,332,605	\$ 70,794,129

Note: The billed rate for September and October are pro-rated based on number of billing days in cycle on new rate schedules
 (1) January - May NC actual capacity shown herein is adjusted to reflect use of 2021 production plant allocation factor. Actual true-up related to allocator was made as prior period adjustment in May 2022 of Schedule 4.

rounding differences may occur

2021	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	12 ME
System KWH Sales - Sch 4, Adjusted	8,623,321,816	7,033,781,083	6,170,273,584	6,357,924,869	5,750,592,351	7,218,972,840	8,473,666,049	8,688,276,000	8,107,525,420	6,609,883,548	6,537,708,709	7,191,590,664	86,763,516,933
NC Retail KWH Sales - Sch 4	5,785,766,552	4,705,197,397	4,216,101,608	4,307,482,408	3,784,759,966	4,813,117,777	5,540,576,171	5,890,178,638	5,517,650,819	4,297,619,492	4,396,624,370	4,888,703,073	58,143,778,271
NC Retail % of Sales, Adjusted (Calc)	67.09%	66.89%	68.33%	67.75%	65.82%	66.67%	65.39%	67.79%	68.06%	65.02%	67.25%	67.98%	67.01%
NC retail production plant %	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%	66.98%
Fuel and Fuel related component of purchased power													
System Actual \$ - Sch 3 Fuel\$:	\$ 14,110,987	\$ 21,997,962	\$ 7,288,155	\$ 1,159,999	\$ 6,909,766	\$ 19,650,947	\$ 27,256,372	\$ 22,941,922	\$ 20,301,410	\$ 27,877,777	\$ 27,842,536	\$ 26,295,173	\$ 223,633,006
System Actual \$ - Sch 3 Fuel-related\$; Economic Purchases	1,908,455	2,653,190	897,843	1,159,946	1,043,015	1,716,177	3,233,998	2,658,287	1,580,193	2,101,644	2,163,509	2,417,594	23,533,851
System Actual \$ - Sch 3 Fuel-related\$; Purchased Power for REPS Compliance	3,836,471	3,851,010	3,578,469	1,634,328	5,557,142	6,244,501	5,777,306	6,144,771	5,617,037	5,684,750	4,972,836	4,406,882	57,305,503
System Actual \$ - Sch 3 Fuel-related\$; SC DERP	148,221	63,773	117,353	217,851	155,453	263,492	427,484	260,031	242,117	236,248	246,176	205,494	2,583,692
System Actual \$ - Sch 3 Fuel-related\$; HB589 Purpa Purchases	2,756,782	2,455,383	2,198,548	2,656,105	2,051,181	3,609,263	3,393,224	3,761,968	2,668,737	2,679,082	2,593,637	2,343,504	33,167,413
Total System Economic & QF\$	22,760,916	31,021,318	14,080,368	6,828,229	15,716,557	31,484,380	40,088,384	35,766,979	30,409,494	38,579,500	37,818,693	35,668,647	340,223,465
<u>Less:</u>													
Native Load Transfers, Native Load Transfer Benefit & DE - Progress fees	\$ 13,085,320	\$ 20,311,355	\$ 6,186,575	\$ 12,225	\$ 6,203,819	\$ 19,379,239	\$ 26,072,774	\$ 21,770,863	\$ 19,434,801	\$ 26,816,502	\$ 23,378,784	\$ 23,491,467	\$ 206,143,723
Total System Economic \$ without Native Load Transfers	\$ 9,675,596	\$ 10,709,964	\$ 7,893,793	\$ 6,816,004	\$ 7,306,104	\$ 8,232,386	\$ 14,015,610	\$ 13,996,116	\$ 10,974,693	\$ 11,762,998	\$ 14,439,909	\$ 12,177,179	\$ 128,000,354
NC Actual \$ (Calc)	\$ 6,491,783	\$ 7,164,353	\$ 5,393,769	\$ 4,617,830	\$ 4,808,522	\$ 5,488,793	\$ 9,164,222	\$ 9,488,606	\$ 7,468,928	\$ 7,648,076	\$ 9,710,873	\$ 8,277,809	\$ 85,723,565
Billed rate (c/kWh):	0.1367	0.1367	0.1367	0.1367	0.1367	0.1367	0.1367	0.1367	0.1363	0.1357	0.1357	0.1357	
Billed \$:	\$ 7,911,008	\$ 6,433,522	\$ 5,764,770	\$ 5,889,717	\$ 5,174,987	\$ 6,581,084	\$ 7,575,754	\$ 8,053,773	\$ 7,518,618	\$ 5,832,583	\$ 5,966,949	\$ 6,634,781	\$ 79,337,545
(Over)/ Under \$:	\$ (1,419,225)	\$ 730,832	\$ (371,001)	\$ (1,271,887)	\$ (366,465)	\$ (1,092,291)	\$ 1,588,468	\$ 1,434,833	\$ (49,690)	\$ 1,815,493	\$ 3,743,924	\$ 1,643,028	\$ 6,386,020
Capacity component of purchased power													
System Actual \$ - Capacity component of Cherokee County Cogen Purchases	\$ 430,619	\$ 430,619	\$ 215,311	\$ 215,310	\$ 322,964	\$ 1,399,512	\$ 3,229,644	\$ 3,229,644	\$ 645,929	\$ 215,310	\$ 215,310	\$ 215,310	\$ 10,765,481
System Actual \$ - Capacity component of Purchased Power for REPS Compliance	679,198	657,904	611,495	370,864	1,021,112	874,770	880,403	2,930,150	2,610,093	2,651,828	2,162,592	642,188	16,092,597
System Actual \$ - Capacity component of HB589 Purpa QF purchases	401,588	376,607	536,828	347,396	110,548	427,589	1,222,705	1,697,840	1,371,802	1,324,805	834,474	281,956	8,934,138
System Actual \$ - Capacity component of SC DERP	14,999	7,491	12,697	15,442	14,837	24,880	38,885	24,278	22,766	22,049	24,646	19,907	242,878
System Actual \$ - Sch 2 pg 1 ANNUAL VIEW	\$ 1,526,405	\$ 1,472,621	\$ 1,376,331	\$ 949,012	\$ 1,469,461	\$ 2,726,751	\$ 5,371,637	\$ 7,881,912	\$ 4,650,590	\$ 4,213,992	\$ 3,237,022	\$ 1,159,361	\$ 36,035,094
NC Actual \$ (Calc) (1)	\$ 1,022,340	\$ 986,317	\$ 921,825	\$ 635,619	\$ 984,201	\$ 1,826,295	\$ 3,597,760	\$ 5,279,066	\$ 3,114,825	\$ 2,822,404	\$ 2,168,059	\$ 776,504	\$ 24,135,214
Billed rate (c/kWh):	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0291	0.0289	0.0289	0.0289	
Billed \$:	\$ 1,698,557	\$ 1,381,329	\$ 1,237,743	\$ 1,264,570	\$ 1,111,112	\$ 1,413,012	\$ 1,626,576	\$ 1,729,210	\$ 1,608,069	\$ 1,241,743	\$ 1,270,349	\$ 1,412,529	\$ 16,994,798
(Over)/Under \$:	\$ (676,218)	\$ (395,012)	\$ (315,918)	\$ (628,950)	\$ (126,911)	\$ 413,283	\$ 1,971,184	\$ 3,549,856	\$ 1,506,756	\$ 1,580,661	\$ 897,710	\$ (636,025)	\$ 7,140,416
TOTAL (Over)/ Under \$:	\$ (2,095,442)	\$ 335,820	\$ (686,918)	\$ (1,900,837)	\$ (493,375)	\$ (679,008)	\$ 3,559,653	\$ 4,984,689	\$ 1,457,065	\$ 3,396,154	\$ 4,641,634	\$ 1,007,003	\$ 13,526,437

Note: The billed rate for September and October are pro-rated based on number of billing days in cycle on new rate schedules.
 (1) January - May NC actual capacity shown herein is adjusted to reflect use of 2019 production plant allocation factor. Actual true-up related to allocator was made as prior period adjustment in June 2020 of Schedule 4.

rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Actual Sales by Jurisdiction - Subject to Weather
Twelve Months Ended December 31, 2022
Docket E-7, Sub 1282

Clark Settlement Workpaper 11

			MWhs				
Line #	Description	Reference	NORTH CAROLINA	SOUTH CAROLINA	TOTAL COMPANY	% NC	% SC
1	Residential	Company Records	22,419,810	6,932,595	29,352,406	76.38	23.62
2	Total General Service	Company Records	24,337,421	5,555,439	29,892,860		
3	less Lighting and Traffic Signals		326,292	83,069	409,361		
4	General Service subject to weather		24,011,129	5,472,369	29,483,499	81.44	18.56
5	Industrial	Company Records	12,301,885	8,467,077	20,768,963	59.23	40.77
6	Total Retail Sales	1+2+5	59,059,117	20,955,111	80,014,228		
7	Total Retail Sales subject to weather	1+4+5	58,732,825	20,872,042	79,604,867	73.78	26.22

This does not exclude Greenwood and includes the impact of SC DERP net metering generation
rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Weather Normalization Adjustment
Twelve Months Ended December 31, 2022
Docket E-7, Sub 1282

Line #	Description	REFERENCE	Total Company MWh	NC RETAIL		SC RETAIL	
				% To Total	MWh	% To Total	MWh
	<u>Residential</u>						
1	Total Residential		448,056	76.38	342,225	23.62	105,831
	<u>General Service</u>						
2	Total General Service		8,558	81.44	6,970	18.56	1,588
	<u>Industrial</u>						
3	Total Industrial		(19,147)	59.23	(11,341)	40.77	(7,806)
4	Total Retail	L1+ L2+ L3	437,466		337,854		99,613
5	Wholesale		(306)				
6	Total Company	L4 + L5	<u>437,160</u>		<u>337,854</u>		<u>99,613</u>

rounding differences may occur

	Residential	Commercial	Industrial	
2022	TOTAL MWH ADJUSTMENT	TOTAL MWH ADJUSTMENT	TOTAL MWH ADJUSTMENT	
JAN	430,826	41,682	(6,770)	
FEB	26,706	3,498	334	
MAR	196,589	16,797	229	
APR	57,319	1,598	(581)	
MAY	(79,111)	(16,277)	(3,799)	
JUN	(157,659)	(57,717)	(13,625)	
JUL	(87,489)	(31,423)	(6,855)	
AUG	7,117	4,384	604	
SEP	9,348	5,285	898	
OCT	-	26,141	6,943	
NOV	23,449	17,862	5,321	
DEC	20,961	(3,272)	(1,847)	
Total	448,056	8,558	(19,147)	437,466

Wholesale			
2022	TOTAL MWH ADJUSTMENT	Note:	The Resale customers include:
JAN	(2,917)	1	Concord ¹
FEB	8,132	2	Dallas
MAR	12,387	3	Forest City
APR	7	4	Kings Mountain ¹
MAY	(4,538)	5	Due West
JUN	(8,323)	6	Prosperity ²
JUL	(3,594)	7	Lockhart
AUG	2,515	8	Western Carolina University
SEP	1,554	9	City of Highlands
OCT	(8,702)	10	Haywood
NOV	11,971	11	Piedmont
DEC	(8,800)	12	Rutherford
		13	Blue Ridge
Total	(306)	14	Greenwood ¹

¹Wholesale load is no longer being served by Duke as of December 2018.

²Wholesale load is no longer being served by Duke as of December 2019.

rounding differences may occur

Line	Estimation Method ¹	Rate Schedule	NC	SC	Wholesale	Total Company
			Proposed kWh ¹ Adjustment	Proposed kWh Adjustment	Proposed kWh Adjustment	
1	Regression	Residential	130,366,123	72,505,791		
2						
3		General Service (Excluding Lighting):				
4	Customer	General Service Small and Large	109,009,655	1,179,199		
5	Regression	Miscellaneous	(2,444,761)	(1,131,149)		
6		Total General	106,564,894	48,050		
7						
8		Lighting:				
9	Regression	T & T2 (GL/FL/PL/OL) ²	(2,957,804)	(1,879,960)		
10	Regression	TS	18,088	(14,903)		
11		Total Lighting	(2,939,716)	(1,894,862)		
12						
13		Industrial:				
14	Customer	I - Textile	(28,808,158)	(776,997)		
15	Customer	I - Nontextile	(42,696,403)	(78,201,535)		
16		Total Industrial	(71,504,561)	(78,978,532)		
17						
18						
19		Total	162,486,740	(8,319,553)	5,835,657	160,002,845

WP 13-2

Notes:

¹ Two approved methods are used for estimating the growth adjustment depending on the class/schedule:

"Regression" refers to the use of Ordinary Least Squares Regression

"Customer" refers to the use of the Customer by Customer approach.

² T and T2 were combined due to North Carolina's FL & GL schedules being merged into OL & PL.
rounding differences may occur

Calculation of Customer Growth Adjustment to kWh Sales - Wholesale

<u>Line No.</u>	<u>Reference</u>	
1	Total System Resale (kWh Sales)	Company Records 9,637,002,447
2	Less Intersystem Sales	Exhibit 6, Sch 1 <u>1,193,715,448</u>
3	Total kWh Sales Excluding Intersystem Sales	L1 - L2 8,443,286,999
4	Residential Growth Factor	Line 8 <u>0.6912</u>
5	Adjustment to kWhs - Wholesale	L3 * L4 / 100 <u><u>5,835,657</u></u>
6	Total System Retail Residential kWh Sales	Company Records 29,352,405,508
7	2022 Proposed Adjustment kWh - Residential (NC+SC)	WP 13-1 202,871,914
8	Percent Adjustment	L7 / L6 * 100 0.6912

rounding differences may occur

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Carolinas, LLC's Exhibits of Stipulation of Partial Settlement, in Docket No. E-7, Sub 1282, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid to parties of record.

This the 24th day of July, 2023.



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