

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Proposed Nuclear Capacity Factor
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 1

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWhs	9,447,231	10,027,396	9,446,071	9,372,290	6,881,925	7,468,908	7,564,100	60,207,920
Cost (Gross of Joint Owners)	\$ 53,807,708	\$ 57,846,842	\$ 46,989,141	\$ 52,105,691	\$ 38,433,497	\$ 38,833,229	\$ 44,209,143	\$ 332,225,252
\$/MWh	5.6956	5.7689	4.9745	5.5595	5.5847	5.1993	5.8446	
Avg \$/MWh		5.5180						
Cents per kWh		0.5518						

**Sept 2024 - August
2025**

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
			7,179.7

Hours In Year	8,760
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Generation GWhs			
CATA_UN01	Catawba	GWh	9,447
CATA_UN02	Catawba	GWh	10,027
MCGU_UN01	McGuire	GWh	9,446
MCGU_UN02	McGuire	GWh	9,372
OCON_UN01	Oconee	GWh	6,882
OCON_UN02	Oconee	GWh	7,469
OCON_UN03	Oconee	GWh	7,564
			60,208

Proposed Nuclear Capacity Factor 95.73%

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 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 2

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWhs with NERC applied	9,294,816	9,215,489	9,278,790	9,275,585	6,875,855	6,883,972	6,973,269	57,797,776
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	91.47%	91.47%	91.47%	91.47%	92.67%	92.67%	92.67%	91.90%
Cost	\$ 51,288,476	\$ 50,850,755	\$ 51,200,047	\$ 51,182,362	\$ 37,940,731	\$ 37,985,525	\$ 38,478,262	\$ 318,926,159

Avg \$/MWh
 Cents per kWh

5.5180
0.5518

2018-2022	Capacity Rating	NCF Rating	Weighted Average
Oconee 1	847.0	92.67	10.93%
Oconee 2	848.0	92.67	10.95%
Oconee 3	859.0	92.67	11.09%
McGuire 1	1,158.0	91.47	14.75%
McGuire 2	1,157.6	91.47	14.75%
Catawba 1	1,160.0	91.47	14.78%
Catawba 2	1,150.1	91.47	14.65%
	7,179.7		91.90%

Wtd Avg on Capacity Rating

rounding differences may occur

Duke Energy Carolinas, LLC

Clark Workpaper 3

North Carolina Annual Fuel and Fuel Related Expense

North Carolina Generation and Purchased Power in MWhs

Billing Period September 2024 through August 2025

Docket E-7, Sub 1304

Resource Type	Sept 2024 - August	
	2025	
NUC Total (Gross)	60,207,920	
COAL Total	12,133,505	
Gas CT and CC total (Gross)	25,398,789	
Run of River	4,222,386	
Net pumped Storage	(3,257,750)	
Total Hydro	964,636	
Catawba Joint Owners	(14,116,637)	
Lee CC Joint Owners	(876,000)	
DEC owned solar	431,227	
Total Generation		84,143,439
Purchases for REPS Compliance	1,064,067	
Qualifying Facility Purchases - Non-REPS compliance	2,075,391	
Other Purchases	313,719	
Allocated Economic Purchases	467,186	
Joint Dispatch Purchases	8,665,644	
	12,586,006	
Total Generation and Purchased Power		96,729,446
Fuel Recovered Through Intersystem Sales	(666,675)	

rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Projected Fuel and Fuel Related Costs
Billing Period September 2024 through August 2025
Docket E-7, Sub 1304

Clark Workpaper 4

Resource Type	Sept 2024 - August 2025	
Nuclear Total (Gross)	\$ 332,225,252	
COAL Total	535,009,000	
Gas CT and CC total (Gross)	863,780,065	
Catawba Joint Owner costs	(77,896,854)	
CC Joint Owner costs	(21,752,442)	
Reagents and gain/loss on sale of By-Products	30,185,368	Workpaper 8
Purchases for REPS Compliance - Energy	51,648,652	
Purchases for REPS Compliance - Capacity	11,295,326	
Purchases of Qualifying Facilities - Energy	50,840,078	
Purchases of Qualifying Facilities - Capacity	10,496,458	
Other Purchases	10,583,349	
JDA Savings Shared	34,396,187	Workpaper 5
Allocated Economic Purchase cost	18,114,953	Workpaper 5
Joint Dispatch purchases	240,665,893	Workpaper 6
Total Purchases	<hr/> 428,040,896	
Fuel Expense recovered through intersystem sales	(27,889,431)	Workpaper 5
Total System Fuel and Fuel Related Costs	\$ 2,061,701,854	

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Projected Joint Dispatch Fuel Impacts
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Positive numbers represent costs to ratepayers, Negative numbers represent removal of costs to ratepayers

	Allocated Economic Purchase Cost		Economic Sales Cost		Fuel Transfer Payment		JDA Savings Payment	
	DEP	DEC	DEP	DEC	DEP	DEC	DEP	DEC
9/1/2024	\$ 436,812	\$ 645,500	\$ (632,756)	\$ (817,493)	\$ (23,633,592)	\$ 23,633,592	\$ (5,606,498)	\$ 5,606,498
10/1/2024	\$ 271,867	\$ 414,509	\$ (655,410)	\$ (994,763)	\$ (22,697,388)	\$ 22,697,388	\$ (5,774,653)	\$ 5,774,653
11/1/2024	\$ 368,297	\$ 557,717	\$ (768,230)	\$ (870,196)	\$ (15,549,159)	\$ 15,549,159	\$ (1,949,764)	\$ 1,949,764
12/1/2024	\$ 524,633	\$ 753,841	\$ (1,304,569)	\$ (1,477,550)	\$ (17,819,465)	\$ 17,819,465	\$ (1,388,719)	\$ 1,388,719
1/1/2025	\$ 2,446,075	\$ 3,483,576	\$ (2,052,991)	\$ (2,574,603)	\$ (20,822,899)	\$ 20,822,899	\$ (2,918,522)	\$ 2,918,522
2/1/2025	\$ 1,393,923	\$ 2,027,148	\$ (1,828,720)	\$ (2,527,737)	\$ (23,044,391)	\$ 23,044,391	\$ (2,629,204)	\$ 2,629,204
3/1/2025	\$ 248,720	\$ 353,347	\$ (1,944,697)	\$ (2,148,243)	\$ (10,835,036)	\$ 10,835,036	\$ (1,577,570)	\$ 1,577,570
4/1/2025	\$ 281,105	\$ 419,737	\$ (1,108,299)	\$ (1,589,401)	\$ (20,154,107)	\$ 20,154,107	\$ (4,214,847)	\$ 4,214,847
5/1/2025	\$ 306,089	\$ 440,371	\$ (1,330,210)	\$ (1,812,063)	\$ (14,494,693)	\$ 14,494,693	\$ (2,689,742)	\$ 2,689,742
6/1/2025	\$ 2,127,583	\$ 3,104,942	\$ (991,750)	\$ (1,133,216)	\$ (20,285,202)	\$ 20,285,202	\$ (1,053,147)	\$ 1,053,147
7/1/2025	\$ 2,373,137	\$ 3,320,464	\$ (1,439,263)	\$ (1,566,216)	\$ (21,552,596)	\$ 21,552,596	\$ (4,053,576)	\$ 4,053,576
8/1/2025	\$ 1,822,499	\$ 2,593,800	\$ (1,347,905)	\$ (1,499,489)	\$ (20,898,904)	\$ 20,898,904	\$ (539,944)	\$ 539,944

Sept 24 - Aug 25 \$ 18,114,953 \$ (19,010,968) \$ 231,787,430 \$ 34,396,187

\$ 240,665,893 Workpaper 6 - Transfer - Purchases

\$ (8,878,463) Workpaper 6 - Transfer - Sales

\$ 231,787,430 Sept 24 - Aug 25 Net Fuel Transfer Payment

\$ (8,878,463) Workpaper 6 - Transfer - Sales

\$ (19,010,968) Sept 24 - Aug 25 Economic Sales Cost

\$ (27,889,431) Total Fuel expense recovered through intersystem sales

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Projected Merger Payments
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 6

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Feb 27 2024

	Transfer Projection		Purchase Allocation Delta		Adjusted Transfer		Fossil Gen Cost		Sale		Purchase
	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	
9/1/2024	1,034,410	3,988	(107)	107	1,034,410	4,095	22.95	24.73	101,264	23,734,856	
10/1/2024	1,053,555	2,994	960	(960)	1,054,515	2,994	21.59	24.35	72,890	22,770,277	
11/1/2024	663,811	23,847	(163)	163	663,811	24,011	24.35	25.48	611,700	16,160,859	
12/1/2024	666,108	31,407	13	(13)	666,120	31,407	28.12	28.96	909,705	18,729,170	
1/1/2025	674,906	36,360	(5,034)	5,034	674,906	41,394	33.01	35.10	1,453,104	22,276,003	
2/1/2025	751,943	16,326	(3,124)	3,124	751,943	19,449	31.56	35.21	684,894	23,729,285	
3/1/2025	442,991	53,865	(67)	67	442,991	53,932	27.73	26.88	1,449,862	12,284,897	
4/1/2025	745,064	11,720	874	(874)	745,938	11,720	27.44	27.13	317,906	20,472,012	
5/1/2025	573,643	25,667	160	(160)	573,803	25,667	26.52	28.07	720,462	15,215,155	
6/1/2025	701,331	14,494	(5,841)	5,841	701,331	20,334	29.81	30.73	624,928	20,910,130	
7/1/2025	685,572	23,909	(7,263)	7,263	685,572	31,173	32.95	33.16	1,033,842	22,586,438	
8/1/2025	670,304	19,461	(7,752)	7,752	670,304	27,213	32.52	33.00	897,907	21,796,812	
Sept 24 - Aug 25	8,663,637	264,038	(27,345)	27,345	8,665,644	293,389			\$ 8,878,463	\$ 240,665,893	
									Net Pre-Net Payments	\$ 231,787,430	

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 95.73%
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 7

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

		Remove impact of Projected sales At Meter for the Billing Period	SC DERP Net Metered Generation	2022 Cost of Service	Adjusted Projected Sales Line Loss Factors at Generation
North Carolina:					
	Residential	22,870,391		22,870,391	5.4880%
	General	24,349,887		24,349,887	5.8390%
	Industrial	12,348,188		12,348,188	5.5870%
	Lighting	241,040		241,040	5.8390%
	NC RETAIL	59,809,506	-	59,809,506	255,987
					63,393,136
South Carolina:					
	Residential	7,051,738		7,051,738	
	General	5,570,198		5,570,198	
	Industrial	8,525,790		8,525,790	
	Lighting	48,602		48,602	
	SC RETAIL	21,196,328	150,334	21,346,662	5.8280%
					22,667,738
Total Retail Sales					
	Residential	29,922,129	-	29,922,129	
	General	29,920,085	-	29,920,085	
	Industrial	20,873,978	-	20,873,978	
	Lighting	289,642	-	289,642	
	Retail Sales	81,005,834	150,334	81,005,834	86,060,874
	Wholesale	8,800,590	-	8,800,590	2.1900%
	Projected System MWH Sales for Fuel Factor	89,806,424	150,334	89,956,758	95,058,512
	NC as a percentage of total	66.60%		66.49%	66.69%
	SC as a percentage of total	23.60%		23.73%	23.85%
	Wholesale as a percentage of total	9.80%		9.78%	9.47%
		100.00%		100.00%	100.00%
SC Net Metering allocation adjustment					
Total projected SC NEM MWhs			150,334		
Marginal fuel rate per MWh for SC NEM		\$ 24.74			
Fuel benefit to be directly assigned to SC Retail		\$ 3,719,263			
System Fuel Expense		\$ 2,061,701,854	Clark Exhibit 2 Schedule 1 Page 1 of 3		
Fuel benefit to be directly assigned to SC Retail		\$ 3,719,263			
Total Fuel Costs for Allocation		\$ 2,065,421,117	Clark Exhibit 2 Schedule 1 Page 3 of 3, L5		

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Projected and Adjusted Projected Sales and Costs
 Proposed Nuclear Capacity Factor of 95.73% and Normalized Test Period Sales
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 7a

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

		Customer Growth		Remove impact of SC	Normalized Test	2022 Cost of Service	Normalized	
		Test Period Sales	Adjustment	Weather Adjustment	DERP Net Metered	Period Sales	Line Loss Factors	Test Period Sales
					generation			MWhs at Generation
NC RETAIL								
	Residential	21,544,402	216,090	1,046,809		22,807,302	5.4880%	24,131,647
	General & Lighting	24,310,321	(44,343)	208,055		24,474,032	5.8390%	25,991,687
	Industrial	11,674,957	12,311	17,164		11,704,432	5.5870%	12,397,056
NC RETAIL		57,529,680	184,058	1,272,028	-	58,985,766		62,520,389
SC RETAIL		20,649,066	131,233	387,779	150,334	21,318,412	5.8280%	22,637,740
Wholesale		8,323,875	89,190	96,670	-	8,509,735	2.1900%	8,700,271
Normalized System MWH Sales for Fuel Factor		86,502,621	404,481	1,756,476	150,334	88,813,914		93,858,399
NC as a percentage of total		66.51%				66.42%		66.61%
SC as a percentage of total		23.87%				24.00%		24.12%
Wholesale as a percentage of total		9.62%				9.58%		9.27%
		100.00%				100.00%		100.00%
SC Net Metering allocation adjustment								
Total projected SC NEM MWhs			150,334					
Marginal fuel rate per MWh for SC NEM		\$ 24.74						
Fuel benefit to be directly assigned to SC Retail		\$ 3,719,263						
System Fuel Expense		\$ 2,017,938,531		Clark Exhibit 2 Schedule 2 Page 1 of 3				
Fuel benefit to be directly assigned to SC Retail		\$ 3,719,263						
Total Fuel Costs for Allocation		\$ 2,021,657,794		Clark Exhibit 2 Schedule 2 Page 3 of 3, L5				

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Projected and Adjusted Projected Sales and Costs
 NERC 5 Year Average Nuclear Capacity Factor of 91.90% and Projected Period Sales
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 7b

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

		Projected sales for the Billing Period	Remove impact of SC DERP Net Metered generation	2022 Cost of Service Line Loss Factors	Adjusted Projected Sales at Generation
North Carolina:					
	Residential	22,870,391	22,870,391	5.4880%	24,198,399
	General	24,349,887	24,349,887	5.8390%	25,859,843
	Industrial	12,348,188	12,348,188	5.5870%	13,078,907
	Lighting	241,040	241,040	5.8390%	255,987
	NC RETAIL	59,809,506	-	59,809,506	63,393,136
South Carolina:					
	Residential	7,051,738	7,051,738		
	General	5,570,198	5,570,198		
	Industrial	8,525,790	8,525,790		
	Lighting	48,602	48,602		
	SC RETAIL	21,196,328	150,334	21,346,662	5.8280%
Total Retail Sales					
	Residential	29,922,129	-	29,922,129	
	General	29,920,085	-	29,920,085	
	Industrial	20,873,978	-	20,873,978	
	Lighting	289,642	-	289,642	
	Retail Sales	81,005,834	150,334	81,156,168	86,211,208
	Wholesale	8,800,590	-	8,800,590	2.1900%
	Projected System MWh Sales for Fuel Factor	89,806,424	150,334	89,956,758	95,208,846
	NC as a percentage of total	66.60%	66.49%		66.58%
	SC as a percentage of total	23.60%	23.73%		23.81%
	Wholesale as a percentage of total	9.80%	9.78%		9.45%
		100.00%	100.00%		99.80%
SC Net Metering allocation adjustment					
Total projected SC NEM MWhs			150,334		
Marginal fuel rate per MWh for SC NEM		\$ 24.74			
Fuel benefit to be directly assigned to SC Retail		\$ 3,719,263			
System Fuel Expense		\$ 2,132,875,765	Clark Exhibit 2 Schedule 3 Page 1 of 3		
Fuel benefit to be directly assigned to SC Retail		\$ 3,719,263			
Total Fuel Costs for Allocation		\$ 2,136,595,028	Clark Exhibit 2 Schedule 3 Page 3 of 3, Line 5		

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Line Loss Calculation Factors - 12 Months Ending December 31, 2022
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 7c

	MWh at Meter Allocation		MWh at Generation (high side of GSU)	MWh at Generation Allocation	Losses	Cost of Service Data Summarized			
	MWh at Meter	Allocation				MWh @ Meter	MWh @ Generator	Losses (MWh)	Loss Percent
North Carolina									
Residential	22,375,068	25.44%	23,603,052	25.46%	1,227,984	Residential	22,375,068	23,603,052	5.4880%
General Service/Light	24,374,324	27.71%	25,797,639	27.83%	1,423,316	GS/Lighting	24,374,324	25,797,639	5.8390%
Industrial	12,309,569	13.99%	12,997,365	14.02%	687,796	Industrial	12,309,569	12,997,365	5.5870%
Total NCR	59,058,961	67.14%	62,398,056	67.31%	3,339,095	Total NC Retail	59,058,961	62,398,056	5.6540%
NCWHS incl.									
NCEMPA	3,299,248	3.75%	3,373,119	3.64%	73,871				
Total NC	62,358,208	70.89%	65,771,175	70.95%	3,412,967	Total NC Retail	59,058,961	62,398,056	5.6540%
South Carolina									
Residential	6,858,353	7.80%	7,234,752	7.80%	376,399	SC Retail	20,909,221	22,127,908	5.8280%
General Service/Light	5,679,157	6.46%	6,025,412	6.50%	346,255	12ME NEM Generation	150,334	159,095	5.8280%
Industrial	8,371,712	9.52%	8,867,745	9.57%	496,033	Total SC Retail	21,059,555	22,287,004	5.8280%
Total SCR	20,909,221	23.77%	22,127,908	23.87%	1,218,687	Wholesale	7,845,930	8,017,730	2.1900%
SC Greenwood	46,046	0.05%	48,600	0.05%	8,761	Total System	87,964,446	92,702,790	5.3870%
SCWHS	4,650,971	5.29%	4,755,107	5.13%	104,137				
Total SC	25,606,238	29.11%	26,931,615	29.05%	1,322,824				
Total System	87,964,446	100.00%	92,702,790	100.00%	4,738,344				
Line Loss Calculations for Projected Fuel Costs									
						MWh @ Meter	MWh @ Generator		
						Residential	22,870,391	24,198,399	
						GS/Lighting	24,590,927	26,115,830	
						Industrial	12,348,188	13,078,907	
						Total NC Retail	59,809,506	63,393,136	
						Total SC Retail	21,346,662	22,667,738	
						Wholesale	8,800,590	8,997,638	
						Total System	89,956,758	95,058,512	
						Allocation percent - NC retail	66.49%	66.69% WP 7, WP 7b	
Line Loss Calculations for Normalized Test Period Sales									
						MWh @ Meter	MWh @ Generator		
						Residential	22,807,302	24,131,647	
						GS/Lighting	24,474,032	25,991,687	
						Industrial	11,704,432	12,397,056	
						Total NC Retail	58,985,766	62,520,389	
						Total SC Retail	21,318,412	22,637,740	
						Wholesale	8,509,735	8,700,271	
						Total System	88,813,913	93,858,399	
						Allocation percent - NC retail	66.42%	66.61% WP 7a	

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Projected Reagents and ByProducts
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 8

Reagent and ByProduct projections

Date	Ammonia	Urea	Limestone	Magnesium				Gypsum				Sale of By-Products	
				Hydroxide	Calcium	Carbonate	Lime	Reagent Cost	(Gain)/Loss	Ash (Gain)/Loss	Steam (Gain)/Loss	(Gain)/Loss	(Gain)/Loss
9/1/2024	\$ 820,679	\$ 78,192	\$ 984,788	\$ 36,763	\$ 22,497	\$ 18,972	\$ 1,961,891	\$ 341,938	\$ (82,102)	\$ (73,654)	\$ (187,229)	\$ 72,608	
10/1/2024	\$ 518,622	\$ 49,413	\$ 622,329	\$ 15,829	\$ 9,686	\$ 18,972	\$ 1,234,850	\$ 184,644	\$ (99,874)	\$ (187,229)	\$ (76,238)		
11/1/2024	\$ 739,868	\$ 70,493	\$ 887,817	\$ 68,073	\$ 41,657	\$ 18,972	\$ 1,826,879	\$ 285,203	\$ (133,045)	\$ (187,229)	\$ (1,900)		
12/1/2024	\$ 1,205,312	\$ 114,839	\$ 1,446,334	\$ 124,781	\$ 76,359	\$ 18,972	\$ 2,986,596	\$ 534,190	\$ (165,059)	\$ (187,229)	\$ 213,916		
1/1/2025	\$ 1,668,119	\$ 158,934	\$ 2,001,687	\$ 169,764	\$ 103,885	\$ 18,972	\$ 4,121,360	\$ 778,575	\$ (125,188)	\$ (187,229)	\$ 426,287		
2/1/2025	\$ 1,580,992	\$ 150,633	\$ 1,897,137	\$ 148,850	\$ 91,087	\$ 18,972	\$ 3,887,671	\$ 772,758	\$ (25,768)	\$ (187,229)	\$ 460,341		
3/1/2025	\$ 325,983	\$ 31,059	\$ 391,169	\$ 49,658	\$ 30,387	\$ 18,972	\$ 847,228	\$ 161,566	\$ (26,688)	\$ (187,229)	\$ (51,430)		
4/1/2025	\$ 263,450	\$ 25,101	\$ 316,132	\$ 36,766	\$ 22,499	\$ 18,972	\$ 682,920	\$ 134,964	\$ (30,802)	\$ (187,229)	\$ (78,952)		
5/1/2025	\$ 317,527	\$ 30,253	\$ 381,021	\$ 39,899	\$ 24,416	\$ 18,972	\$ 812,088	\$ 159,994	\$ (94,572)	\$ (187,229)	\$ (58,036)		
6/1/2025	\$ 989,053	\$ 94,234	\$ 1,186,830	\$ 62,303	\$ 38,126	\$ 18,972	\$ 2,389,518	\$ 454,795	\$ (150,146)	\$ (187,229)	\$ 172,995		
7/1/2025	\$ 1,616,811	\$ 154,045	\$ 1,940,118	\$ 72,971	\$ 44,654	\$ 18,972	\$ 3,847,571	\$ 738,176	\$ (221,902)	\$ (221,902)	\$ 366,128		
8/1/2025	\$ 1,592,680	\$ 151,746	\$ 1,911,162	\$ 70,000	\$ 42,836	\$ 18,972	\$ 3,787,397	\$ 731,125	\$ (221,902)	\$ (221,902)	\$ 353,682		
	\$ 11,639,095	\$ 1,108,942	\$ 13,966,522	\$ 895,657	\$ 525,592	\$ 227,663	\$ 28,385,967	\$ 5,277,930	\$ (1,162,439)	\$ (2,316,089)	\$ 1,799,401		
										Total Reagent cost and Sale of By-products	\$ 30,185,368		

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 2.5% Calculation Test
 Twelve Months Ended December 31, 2023
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Clark Workpaper 9

Line No.	Description	Forecast \$	(Over)/Under Collection \$	Total \$
1	Amount in current docket	101,757,298	2,705,033	104,462,331
2	Amount in Sub 1282, prior year docket	108,889,655	70,794,129	179,683,784
3	Increase/(Decrease)	(7,132,357)	(68,089,097)	(75,221,453)
4	2.5% of 2023 NC retail revenue of \$5,417,293,543			135,432,339
	Excess of purchased power growth over 2.5% of revenue			0

E-7, Sub 1304

WP 4	Purchases for REPS Compliance - Energy	51,648,652	66.49%	34,341,189
WP 4	Purchases for REPS Compliance - Capacity	11,295,326	66.68%	7,531,868
WP 4	Purchases	10,583,349	66.49%	7,036,869
WP 4	QF Energy	50,840,078	66.49%	33,803,568
WP 4	QF Capacity	10,496,458	66.68%	6,999,173
WP 4	Allocated Economic Purchase cost	18,114,953	66.49%	12,044,632
		152,978,816		101,757,298

E-7, Sub 1282

Purchases for REPS Compliance	68,804,621	67.00%	46,099,096
Purchases for REPS Compliance Capacity	14,936,094	66.68%	9,959,579
Purchases	442,692	67.00%	296,604
QF Energy	46,784,121	67.00%	31,345,361
QF Capacity	9,663,863	66.68%	6,443,988
Allocated Economic Purchase cost	22,007,503	67.00%	14,745,027
	162,638,895		108,889,655

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 2.5% Calculation Test
 Twelve Months Ended December 31, 2023
 Docket E-7, Sub 1304

	2023	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	12 ME
System kWh Sales - Sch 4, Actuals	7,843,597,546	6,924,227,615	6,631,247,215	6,503,583,986	6,136,163,890	7,008,836,135	7,969,442,680	8,657,828,158	8,266,012,697	6,726,216,362	6,246,014,428	7,443,553,219	86,356,723,933	
System kWh Sales - Sch 4, Adjusted	7,854,287,999	6,934,846,782	6,641,557,020	6,514,366,828	6,146,930,258	7,019,586,081	7,980,161,318	8,668,518,310	8,276,682,129	6,736,893,311	6,257,253,723	7,454,787,248	86,485,871,009	
NC Retail kWh Sales - Sch 4	5,297,871,075	4,651,448,264	4,457,422,794	4,384,886,138	4,081,225,729	4,645,595,587	5,265,835,034	5,747,161,460	5,553,369,282	4,434,404,716	4,239,284,678	4,771,175,352	57,529,680,110	
NC Retail % of Sales, Actuals (Calc)	67.54%	67.18%	67.22%	67.42%	66.51%	66.28%	66.08%	66.38%	67.18%	65.93%	67.87%	64.10%	66.62%	
NC Retail % of Sales, Adjusted (Calc)	67.45%	67.07%	67.11%	67.31%	66.39%	66.18%	65.99%	66.30%	67.10%	65.82%	67.75%	64.00%	66.52%	
NC retail production plant%		66.68%	66.68%	66.68%	66.68%	67.59%	67.59%	67.59%	67.59%	67.59%	67.59%	67.59%	67.59%	67.40%
Fuel and Fuel related component of purchased power														
System Actual \$ - Sch 3 Fuel\$:	\$ 16,094,191	\$ 3,933,514	\$ 11,713,010	\$ 8,938,848	\$ 12,094,329	\$ 11,531,053	\$ 16,165,913	\$ 20,551,811	\$ 19,251,830	\$ 24,023,842	\$ 23,932,793	\$ 9,961,878	\$ 178,193,012	
System Actual \$ - Sch 3 Fuel-related\$; Economic Purchases	4,490,389	695,666	1,243,143	916,124	952,826	1,326,377	1,881,336	2,622,880	1,602,457	1,568,493	1,720,196	2,480,693	\$ 21,500,580	
System Actual \$ - Sch 3 Fuel-related\$; Purchased Power for REPS Compliance	3,611,490	7,870,147	3,867,355	5,211,256	5,135,046	5,506,547	5,557,340	5,455,614	5,098,575	4,206,666	3,924,590	3,303,809	\$ 58,748,435	
System Actual \$ - Sch 3 Fuel-related\$; SC DERP	150,010	263,513	161,232	259,030	244,568	242,598	269,439	270,334	237,447	261,069	232,453	169,028	\$ 2,760,721	
System Actual \$ - Sch 3 Fuel-related\$; SC ACT 62 (Solar Choice)										102,653	3,046	13,237		
System Actual \$ - Sch 3 Fuel-related\$; HB589 purpa Purchases	2,294,533	3,127,298	2,300,057	3,268,409	3,390,357	3,491,315	3,450,044	3,587,125	3,238,065	3,440,066	2,976,354	2,281,872	\$ 36,845,496	
Total System Economic & QF\$	26,640,613	15,890,138	19,284,797	18,593,667	21,817,127	22,097,890	27,324,072	32,487,764	29,428,373	33,602,789	32,789,431	18,210,518	298,167,179	
<i>Less:</i>														
Native Load Transfers, Native Load Transfer Benefit & DE - Progress fees	\$ 12,596,278	\$ 2,192,181	\$ 11,669,944	\$ 8,737,817	\$ 12,131,496	\$ 11,592,645	\$ 16,561,057	\$ 21,669,458	\$ 19,697,648	\$ 23,609,791	\$ 22,989,786	\$ 9,378,130	\$ 172,826,231	
Total System Economic \$ without Native Load Transfers	\$ 14,044,335	\$ 13,697,957	\$ 7,614,853	\$ 9,855,850	\$ 9,685,631	\$ 10,505,245	\$ 10,763,016	\$ 10,818,306	\$ 9,730,725	\$ 9,890,346	\$ 9,796,600	\$ 8,819,150	\$ 125,222,013	
NC Actual \$ (Calc)	\$ 9,473,179	\$ 9,187,707	\$ 5,110,642	\$ 6,634,072	\$ 6,430,730	\$ 6,952,421	\$ 7,102,145	\$ 7,172,454	\$ 6,528,982	\$ 6,510,092	\$ 6,637,189	\$ 5,644,388	\$ 83,384,001	
Billed rate (¢/kWh):	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1357	0.1409	0.1409	0.1409	0.1409	
Billed \$:	\$ 7,463,993	\$ 6,553,270	\$ 6,279,914	\$ 6,177,719	\$ 5,749,902	\$ 6,545,024	\$ 7,418,858	\$ 8,096,983	\$ 7,535,841	\$ 6,247,484	\$ 5,972,586	\$ 6,721,949	\$ 80,763,523	
(Over)/ Under \$:	\$ 2,009,186	\$ 2,634,437	\$ (1,169,272)	\$ 456,353	\$ 680,827	\$ 407,397	\$ (316,713)	\$ (924,529)	\$ (1,006,859)	\$ 262,608	\$ 664,603	\$ (1,077,561)	\$ 2,620,478	
Capacity component of purchased power														
System Actual \$ - Capacity component of Cherokee County Cogen Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
System Actual \$ - Capacity component of Purchased Power for REPS Compliance	\$ 563,042	\$ 1,526,511	\$ 652,726	\$ 802,906	\$ 714,202	\$ 872,972	\$ 2,529,735	\$ 2,398,512	\$ 2,301,403	\$ 2,088,004	\$ 565,199	\$ 525,161	\$ 15,540,372	
System Actual \$ - Capacity component of SC DERP	14,465	25,269	15,564	24,547	24,652	22,927	26,605	26,529	23,759	25,124	22,450	16,201	\$ 268,091	
System Actual \$ - Capacity component of 5589 PURPA Purchases	350,921	371,971	360,503	458,527	390,711	654,705	1,628,121	1,569,122	1,497,533	1,372,274	539,208	350,819	\$ 9,544,415	
System Actual \$ - Sch 2 pg 1 ANNUAL VIEW	\$ 928,428	\$ 1,923,752	\$ 1,028,793	\$ 1,285,979	\$ 1,129,564	\$ 1,550,603	\$ 4,184,461	\$ 3,994,163	\$ 3,822,694	\$ 3,485,402	\$ 1,126,858	\$ 892,181	\$ 25,352,878	
NC Actual \$ (Calc) (1)	\$ 619,088	\$ 1,282,782	\$ 686,012	\$ 857,507	\$ 763,429	\$ 1,047,993	\$ 2,828,114	\$ 2,699,499	\$ 2,583,610	\$ 2,355,647	\$ 761,599	\$ 602,990	\$ 17,088,272	
Billed rate (¢/kWh):	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0280	0.0297	0.0297	0.0297	0.0297	
Billed \$:	\$ 1,574,440	\$ 1,382,334	\$ 1,324,673	\$ 1,303,116	\$ 1,212,873	\$ 1,380,595	\$ 1,564,920	\$ 1,707,962	\$ 1,557,210	\$ 1,317,832	\$ 1,259,846	\$ 1,417,915	\$ 17,003,717	
(Over)/Under \$:	\$ (955,353)	\$ (99,552)	\$ (638,661)	\$ (445,609)	\$ (449,445)	\$ (332,602)	\$ 1,263,195	\$ 991,537	\$ 1,026,400	\$ 1,037,815	\$ (498,247)	\$ (814,925)	\$ 84,555	
TOTAL (Over)/ Under \$:	\$ 1,053,833	\$ 2,534,886	\$ (1,807,932)	\$ 10,744	\$ 231,383	\$ 74,795	\$ 946,481	\$ 67,008	\$ 19,541	\$ 1,300,423	\$ 166,356	\$ (1,892,486)	\$ 2,705,033	

Note: The billed rate for September and October are pro-rated based on number of billing days in cycle on new rate schedules.

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 2.5% Calculation Test
 Twelve Months Ended December 31, 2022
 Docket E-7, Sub 1304

Clark Workpaper 9b

	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, Actuals (Calc)		69.73%	70.21%	69.17%	69.31%	69.39%	70.06%	66.93%	69.27%	62.78%	63.80%	66.07%	72.66%	68.21%
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 demand %		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 Acutal \$ - 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
<u>Less:</u>														
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	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	\$ 717,850	\$ 16,428,536
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	0.0289
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	\$ (678,752)	\$ (64,395)
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	\$ 16,332,604	\$ 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.

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, 2023
Docket E-7, Sub 1304

Clark Workpaper 10

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Feb 27 2024

Line	#	<u>Description</u>	<u>Reference</u>	MWhs			
				<u>NORTH CAROLINA</u>	<u>SOUTH CAROLINA</u>	<u>TOTAL COMPANY</u>	% NC
1	Residential		Company Records	21,544,402	6,701,513	28,245,915	76.27
2	Total General Service		Company Records	24,310,321	5,910,025	30,220,346	
3	less Lighting and Traffic Signals			558,737	170,306	729,044	
4	General Service subject to weather			23,751,583	5,739,719	29,491,302	80.54
5	Industrial		Company Records	11,674,957	8,037,528	19,712,485	59.23
6	Total Retail Sales	1+2+5		57,529,680	20,649,066	78,178,746	
7	Total Retail Sales subject to weather	1+4+5		56,970,943	20,478,760	77,449,703	73.56
							26.44

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, 2023
Docket E-7, Sub 1304

Clark Workpaper 11
Page 1

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Feb 27 2024

Line #	Description	REFERENCE	Total Company MWh	NC RETAIL		SC RETAIL	
				% To Total	MWh	% To Total	MWh
<u>Residential</u>							
1	Total Residential		1,372,504	76.27	1,046,809	23.73	325,695
<u>General Service</u>							
2	Total General Service		258,325	80.54	208,055	19.46	50,270
<u>Industrial</u>							
3	Total Industrial		28,978	59.23	17,164	40.77	11,814
4	Total Retail	L1+ L2+ L3	1,659,807		1,272,028		387,779
5	Wholesale		96,670				
6	Total Company	L4 + L5	<u>1,756,476</u>		<u>1,272,028</u>		<u>387,779</u>

rounding differences may occur

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Weather Normalization Adjustment by Class by Month
 Twelve Months Ended December 31, 2023
 Docket E-7, Sub 1304

Clark Workpaper 11
 Page 2

	Residential	Commercial	Industrial	
	TOTAL MWH	TOTAL MWH	TOTAL MWH	
2023	ADJUSTMENT	ADJUSTMENT	ADJUSTMENT	
JAN	3,252	174	63	
FEB	448,879	57,747	(3,691)	
MAR	510,625	61,216	(232)	
APR	(2,771)	(13,121)	(2,366)	
MAY	(17,315)	504	97	
JUN	195,771	81,420	18,779	
JUL	238,738	97,595	24,057	
AUG	39,565	14,459	2,857	
SEP	(78,495)	(33,878)	(5,882)	
OCT	6,510	9,725	2,870	
NOV	(43,933)	(16,036)	(3,982)	
DEC	71,678	(1,480)	(3,592)	
Total	1,372,504	258,325	28,978	1,659,807

Wholesale

	TOTAL MWH	Note:	The Resale customers include:
2023	ADJUSTMENT		
JAN	30,698	1	Concord ¹
FEB	28,349	2	Dallas
MAR	9,055	3	Forest City
APR	4	4	Kings Mountain ¹
MAY	6,787	5	Due West
JUN	16,729	6	Prosperity ²
JUL	(4,162)	7	Lockhart
AUG	(4,297)	8	Western Carolina University
SEP	886	9	City of Highlands
OCT	1,185	10	Haywood
NOV	(2,457)	11	Piedmont
DEC	<u>13,892</u>	12	Rutherford
		13	Blue Ridge
Total	96,670	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.

Line	Estimation Method ¹	Rate Schedule	NC	SC	Wholesale	
			Proposed kWh ¹	Proposed kWh	Proposed kWh	Total Company
1	Regression	Residential	216,090,295	85,430,235		
2						
3		General Service (Excluding Lighting):				
4	Customer	General Service Small and Large	(44,006,237)	38,784,745		
5	Regression	Miscellaneous	(1,237,688)	(879,613)		
6		Total General	(45,243,925)	37,905,132		
7						
8		Lighting:				
9	Regression	T & T2 (GL/FL/PL/OL) ²	901,291	513,822		
10	Regression	TS	(783)	9,422		
11		Total Lighting	900,508	523,244		
12						
13		Industrial:				
14	Customer	I - Textile	(6,516,599)	382,943		
15	Customer	I - Nontextile	18,827,765	6,991,721		
16		Total Industrial	12,311,166	7,374,664		
17						
18						
19		Total	184,058,044	131,233,275	89,189,968	404,481,287
					WP 12-2	

Notes:

¹Two 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.

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

rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Customer Growth Adjustment to kWh Sales-Wholesale
Twelve Months Ended December 31, 2023
Docket E-7, Sub 1304

Clark Workpaper 12
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Calculation of Customer Growth Adjustment to kWh Sales - Wholesale

Line <u>No.</u>	<u>Reference</u>	
1 Total System Resale (kWh Sales)	Company Records	9,787,128,802
2 Less Intersystem Sales	Exhibit 6, Sch 1	<u>1,431,968,808</u>
3 Total kWh Sales Excluding Intersystem Sales	L1 - L2	8,355,159,994
4 Residential Growth Factor	Line 8	1.0675
5 Adjustment to kWhs - Wholesale	L3 * L4 / 100	<u><u>89,189,968</u></u>
6 Total System Retail Residential kWh Sales	Company Records	28,245,915,203
7 2023 Proposed Adjustment kWh - Residential (NC+SC)	WP 12-1	301,520,530
8 Percent Adjustment	L7 / L6 * 100	1.0675

rounding differences may occur