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

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWhs Cost (Gross of Joint Owners)	9,347,567 \$ 53,705,148	10,027,547 \$ 58,162,280	9,403,752 \$ 47,201,592		6,824,457 \$ 38,459,797	7,444,183 \$ 38,902,538	7,534,716 \$ 44,392,589 \$	60,001,207 333,675,458
\$/MWh	5.7454	5.8002	5.0194		5.6356	5.2259	5.8917	
Avg \$/MWh Cents per kWh		5.5611 0.5561						
			Sept 2024 - August	:				
			2025					
MDC	Catawka	N 41 A 4	1 100 0					
CATA_UN01	Catawba Catawba	MW MW	1,160.0 1,150.1					
CATA_UN02 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					
Generation GWhs								
CATA_UN01	Catawba	GWh	9,348					
CATA_UN02	Catawba	GWh	10,028					
MCGU_UN01	McGuire	GWh	9,404					
MCGU_UN02	McGuire	GWh	9,419					
OCON_UN01	Oconee	GWh	6,824					
OCON_UN02	Oconee	GWh	7,444					
OCON_UN03	Oconee	GWh	7,535					
			60,001					
	Proposed Nuclea	r Capacity Factor	95.40%	ó				

Duke Energy Carolinas, LLC

North Carolina Annual Fuel and Fuel Related Expense

Clark Rebuttal Workpaper 2

NERC 5 Year Average Nuclear Capacity Factor
Billing Period September 2024 through August 2025
Docket E-7, Sub 1304

	 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	\$ 51,689,824 \$	51,248,678 \$	51,600,704 \$	51,582,880	38,237,629 \$	38,282,774 \$	38,779,367 \$	321,421,856

 Avg \$/MWh
 5.5611

 Cents per kWh
 0.5561

	Capacity	NCF	Weighted	
2018-2022	Rating	Rating	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 Capa

Duke Energy Carolinas, LLC
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)	60,001,207	
COAL Total Gas CT and CC total (Gross)	12,133,505 25,226,685	
Run of River Net pumped Storage Total Hydro	4,745,064 (3,858,458) 886,606	
Catawba Joint Owners Lee CC Joint Owners	(14,135,004) (728,842)	
DEC owned solar Total Generation	370,349	83,754,505
Purchases for REPS Compliance Qualifying Facility Purchases - Non-REPS compliance Other Purchases Allocated Economic Purchases Joint Dispatch Purchases	1,064,067 1,976,670 297,852 698,416 8,147,505 12,184,511	
Total Generation and Purchased Power		95,939,016
Fuel Recovered Through Intersystem Sales	(820,718)	
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 Rebuttal Workpaper 4** 

Resource Type	Sept 2	2024 - August 2025	
Nuclear Total (Gross)	\$	333,675,458	
COAL Total		535,009,000	
Gas CT and CC total (Gross)		874,702,857	
Catawba Joint Owner costs		(78,608,911)	
CC Joint Owner costs		(20,336,093)	
Reagents and gain/loss on sale of By-Products		35,509,807	Workpaper 8
Purchases for REPS Compliance - Energy		51,648,652	
Purchases for REPS Compliance - Capacity		11,295,326	
Purchases of Qualifying Facilities - Energy		51,796,696	
Purchases of Qualifying Facilities - Capacity		10,762,375	
Other Purchases		5,544,352	)
JDA Savings Shared Allocated Economic Purchase cost		35,913,409 29,144,842	Workpaper 5
Joint Dispatch purchases		234,564,497	Workpaper 5 Workpaper 6
Total Purchases		430,670,150	Workpaper o
Fuel Expense recovered through intersystem sales		(31,306,907)	Workpaper 5
Total System Fuel and Fuel Related Costs	\$	2,079,315,362	

**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** 

rounding differences may occur

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

	Alloca	ted Economic	Pur	chase Cost	Economic Sales Cost			Fuel Transfer Payment			Payment	JDA Savings Payment				
		DEP		DEC		DEP		DEC		DEP		DEC		DEP		DEC
9/1/2024	\$	635,987	\$	949,343	\$	(570,354)	\$	(711,463)	\$	(20,444,528)	\$	20,444,528	\$	(4,406,911)	\$	4,406,911
10/1/2024	\$	507,008	\$	781,871	\$	(559,677)	\$	(842,869)	\$	(23,902,070)	\$	23,902,070	\$	(7,074,550)	\$	7,074,550
11/1/2024	\$	733,742	\$	1,125,859	\$	(804,802)	\$	(889,959)	\$	(15,101,064)	\$	15,101,064	\$	(3,146,653)	\$	3,146,653
12/1/2024	\$	1,066,938	\$	1,552,841	\$	(1,398,999)	\$	(1,543,006)	\$	(14,204,901)	\$	14,204,901	\$	(2,410,950)	\$	2,410,950
1/1/2025	\$	3,877,816	\$	5,590,943	\$	(1,664,613)	\$	(1,988,540)	\$	(15,526,703)	\$	15,526,703	\$	(2,669,525)	\$	2,669,525
2/1/2025	\$	2,760,416	\$	4,064,918	\$	(1,291,963)	\$	(1,551,284)	\$	(18,320,990)	\$	18,320,990	\$	(3,838,498)	\$	3,838,498
3/1/2025	\$	1,235,433	\$	1,780,540	\$	(893,078)	\$	(953,826)	\$	(16,254,338)	\$	16,254,338	\$	(2,520,564)	\$	2,520,564
4/1/2025	\$	1,111,747	\$	1,684,076	\$	(559,373)	\$	(699,072)	\$	(21,306,894)	\$	21,306,894	\$	(3,173,607)	\$	3,173,607
5/1/2025	\$	1,106,742	\$	1,615,373	\$	(1,575,648)	\$	(1,826,860)	\$	(12,080,153)	\$	12,080,153	\$	(3,453,131)	\$	3,453,131
6/1/2025	\$	2,431,208	\$	3,593,632	\$	(1,349,142)	\$	(1,399,699)	\$	(20,447,285)	\$	20,447,285	\$	1,317,639	\$	(1,317,639
7/1/2025	\$	2,469,527	\$	3,499,902	\$	(1,848,085)	\$	(1,904,784)	\$	(21,329,914)	\$	21,329,914	\$	(3,129,724)	\$	3,129,724
8/1/2025	\$	2,013,644	\$	2,905,543	\$	(1,630,744)	\$	(1,671,352)	\$	(20,321,464)	\$	20,321,464	\$	(1,406,936)	\$	1,406,936
ot 24 - Aug 25			\$	29,144,842			\$	(15,982,713)			\$	219,240,304			\$	35,913,409
											\$	234,564,497	Woi	rkpaper 6 - Tra	ansfe	r - Purchases
											\$	(15,324,193)	Wo	rkpaper 6 - Tra	ansfe	r - Sales

\$

219,240,304 Sept 24 - Aug 25 Net Fuel Transfer Payment

(31,306,907) Total Fuel expense recovered through intersystem sales

(15,324,193) Workpaper 6 - Transfer - Sales

(15,982,713) Sept 24 - Aug 25 Economic Sales Cost

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 Rebuttal Workpaper 6

_					Purchase	Sale			Sale	Purchase
	Transfer P	Projection	Purchase Allo	cation Delta	Adjusted Tra	ansfer	Fossil Gen	Cost	Pre-Net Pa	yments
	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC
9/1/2024	934,871	4,991	(234)	234	934,871	5,225	22.00	22.93	119,808	20,564,337
10/1/2024	1,171,831	2,518	2,277	(2,277)	1,174,108	2,518	20.41	22.62	56,957	23,959,028
11/1/2024	644,148	32,321	867	(867)	645,015	32,321	24.74	26.41	853,517	15,954,580
12/1/2024	546,060	68,027	(1,777)	1,777	546,060	69,803	29.96	30.89	2,156,098	16,360,999
1/1/2025	505,742	95,655	(14,470)	14,470	505,742	110,125	39.06	38.37	4,225,455	19,752,158
2/1/2025	547,389	41,707	(11,218)	11,218	547,389	52,926	37.01	36.59	1,936,608	20,257,598
3/1/2025	593,780	38,512	(846)	846	593,780	39,357	29.41	30.73	1,209,522	17,463,860
4/1/2025	749,289	18,382	(158)	158	749,289	18,541	29.13	28.13	521,605	21,828,499
5/1/2025	472,220	44,953	(895)	895	472,220	45,848	28.38	28.79	1,320,132	13,400,285
6/1/2025	682,391	17,590	(6,254)	6,254	682,391	23,843	31.06	31.47	750,333	21,197,619
7/1/2025	660,318	25,240	(6,042)	6,042	660,318	31,282	33.89	33.45	1,046,485	22,376,399
8/1/2025	636,322	26,899	(6,827)	6,827	636,322	33,726	33.71	33.44	1,127,671	21,449,135
Sept 24 - Aug 25	8,144,362	416,795	(45,577)	45,577	8,147,505	465,516			\$ 15,324,193	\$ 234,564,497

Net Pre-Net Payments \$ 219,240,304

**Duke Energy Carolinas, LLC** North Carolina Annual Fuel and Fuel Related Expense **Projected and Adjusted Projected Sales and Costs Proposed Nuclear Capacity Factor of 95.40%** Billing Period September 2024 through August 2025 Docket E-7, Sub 1304

Spring 2024 Forecast **Billed Sales Forecast** Sales Forecast - MWhs (000)

		Projected sales At Meter for the Billing Period	Remove impact of SC DERP Net Metered Generation	Adjusted Sales	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%	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	9,598,766	-	9,598,766	2.1900%	9,813,686
	Projected System MWH Sales for Fuel Factor	90,604,599	150,334	90,754,933	-	95,874,559
	NC as a percentage of total	66.01%		65.90%		66.12%
	SC as a percentage of total	23.39%		23.52%		23.64%
	Wholesale as a percentage of total	10.59%	-	10.58%		10.24%
		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		\$ 2,079,315,362	Clark Exhibit 2 Sche	dule 1 Page 1 of 2	

\$ 3,719,263 \$ 2,083,034,625

**Total Fuel Costs for Allocation** 

Fuel benefit to be directly assigned to SC Retail

Clark Revised Workpaper 7a

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

Spring 2024 Forecast
Billed Sales Forecast - Normalized Test Period Sales
Sales Forecast - MWhs (000)

								Normalized
					Remove impact of SC			Test Period Sales
			Customer Growth	Maritim Adentina	DERP Net Metered	Normalized Test	2022 Cost of Service	MWhs at
		Test Period Sales	Adjustment	Weather Adjustment	generation	Period Sales	Line Loss Factors	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		8,177,978	89,190	96,670	-	8,363,838	2.1900%	8,551,107
Normalized System	MWH Sales for Fuel Factor	86,356,724	404,481	1,756,476	150,334	88,668,017		93,709,236
NC as a percentage	of total	66.62%				66.52%		66.72%
SC as a percentage o	f total	23.91%				24.04%		24.16%
Wholesale as a perce	entage of total	9.47%				9.43%		9.13%
		100.00%				100.00%		100.00%
SC Net Metering allo	ocation adjustment							
Total projected SC N	EM MWhs	150,334						
Marginal fuel rate pe	er MWh for SC NEM	\$ 24.74						
Fuel benefit to be di	rectly assigned to SC Retail	\$ 3,719,263						
System Fuel Expense	2	\$ 1,993,924,563	Clark Exhibit 2 Sche	edule 2 Page 1 of 2				
Fuel benefit to be di	rectly assigned to SC Retail	\$ 3,719,263						
Total Fuel Costs for A	Allocation	\$ 1,997,643,826						

**Spring 2024 Forecast Billed Sales Forecast** Sales Forecast - MWhs (000)

		Projected sales for the Billing Period	SC DERP Net  Metered  generation	Adjusted Sales	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%	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	81,156,168		86,211,208
	Wholesale	9,598,766	-	9,598,766	2.1900%	9,813,686
	Projected System MWh Sales for Fuel Factor	90,604,599	150,334	90,754,933		96,024,893
	NC as a percentage of total	66.01%		65.90%		66.02%
	SC as a percentage of total	23.39%		23.52%		23.61%
	Wholesale as a percentage of total	10.59%	_	10.58%	_	10.22%
		99.99%		100.00%		99.90%
	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		\$ 2,144,217,436 (	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		\$ 2,147,936,699			

Remove impact of

Jun 03 2024

Clark Rebuttal Workpaper 7c

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

		MWh at	MWh at at Generation	MWh at Generatio	
		Meter	(high side of	n	
	MWh at Meter	Allocation	GSU)	Allocation	Losses
<b>North Carolina</b>					
Residential	22,375,068	25.44%	23,603,052	25.46%	1,227,984
General Service/Ligh	24,374,324	27.71%	25,797,639	27.83%	1,423,316
Industrial	12,309,569	13.99%	12,997,365	14.02%	687,796
Total NCR	59,058,961	67.14%	62,398,056	67.31%	3,339,095
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
South Carolina					
Residential	6,858,353	7.80%	7,234,752	7.80%	376,399
General Service/Ligh	5,679,157	6.46%	6,025,412	6.50%	346,255
Industrial	8,371,712	9.52%	8,867,745	9.57%	496,033
Total SCR	20,909,221	23.77%	22,127,908	23.87%	1,218,687
SC Greenwood	46,046	0.05%	48,600	0.05%	
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
1000100	23,000,230	23.11/0	20,531,015	23.03/0	1,522,024
Total System	87,964,446	100.00%	92,702,790	100.00%	4,738,344

		Cost of Service Data Summarized								
•	MWh @ Meter	MWh @ Generator	Losses (MWh)	Loss Percent						
Residential	22,375,068	23,603,052	1,227,984	5.4880%						
GS/Lighting	24,374,324	25,797,639	1,423,316	5.8390%						
Industrial	12,309,569	12,997,365	687,796	5.5870%						
Total NC Retail	59,058,961	62,398,056	3,339,095	5.6540%						
Total NC Retail	59,058,961	62,398,056	3,339,095	5.6540%						
SC Retail	20,909,221	22,127,908	1,218,687	5.8280%						
12ME NEM Generation	150,334	159,095	8,761	5.8280%						
Total SC Retail	21,059,555	22,287,004	1,227,448	5.8280%						
Wholesale	7,845,930	8,017,730	171,800	2.1900%						
Total System	87,964,446	92,702,790	4,738,344	5.3870%						

66.72% WP 7a

Line Loss Calculations for		
<b>Projected Fuel Costs</b>	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	9,598,766	9,813,686
Total System	90,754,934	95,874,559
Allocation percent - NC retail	65.90%	66.12% WP 7, WP

## Line Loss Calculations for Normalized Test Period Sales MWh @ Meter MWh @ Generator Residential 22,807,302 24,131,647 24,474,032 25,991,687 GS/Lighting 11,704,432 12,397,056 Industrial **Total NC Retail** 58,985,766 62,520,389 **Total SC Retail** 21,318,412 22,637,740 8,363,838 8,551,107 Wholesale 88,668,016 93,709,236 **Total System**

66.52%

Allocation percent - NC retail

Jun 03 2024

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

Reagent and ByProduct projections

Magnesium				Gyp		Sale of By-Products						
Date	Ammonia	Urea	Limestone	Hydroxide	Calcium	Carbonate	Lime	Reagent Cost	Loss	Ash (Gain)/Loss	Steam (Gain)/Loss	(Gain)/Loss
9/1/2024 \$	662,137 \$	63,087 \$	794,542 \$	36,763	\$	22,497 \$	18,972 <b>\$</b>	<b>1,597,997</b> \$	235,728	\$ (60,108	) \$ (189,321)	\$ (13,702)
10/1/2024 \$	365,026 \$	34,779 \$	438,018 \$	15,829	\$	9,686 \$	18,972 <b>\$</b>	<b>882,309</b> \$	88,414	\$ (49,602	) \$ (189,321)	\$ (150,509)
11/1/2024 \$	947,810 \$	90,305 \$	1,137,341 \$	68,073	\$	41,657 \$	18,972 <b>\$</b>	<b>2,304,157</b> \$	387,510	\$ (82,483	) \$ (189,321)	\$ 115,705
12/1/2024 \$	1,252,199 \$	119,306 \$	1,502,597 \$	124,781	\$	76,359 \$	18,972 <b>\$</b>	<b>3,094,214</b> \$	426,775	\$ (120,283)	\$ (189,321)	\$ 117,171
1/1/2025 \$	2,414,634 \$	230,060 \$	2,897,480 \$	169,764	\$	103,885 \$	18,972 <b>\$</b>	<b>5,834,795</b> \$	763,069	\$ (237,738)	\$ (189,321)	\$ 336,010
2/1/2025 \$	1,970,226 \$	187,718 \$	2,364,204 \$	148,850	\$	91,087 \$	18,972 <b>\$</b>	<b>4,781,057</b> \$	701,490	\$ (155,593)	\$ (189,321)	\$ 356,576
3/1/2025 \$	661,717 \$	63,047 \$	794,038 \$	49,658	\$	30,387 \$	18,972 <b>\$</b>	<b>1,617,818</b> \$	259,318	\$ (47,152	) \$ (189,321)	\$ 22,845
4/1/2025 \$	413,300 \$	39,378 \$	495,946 \$	36,766	\$	22,499 \$	18,972 <b>\$</b>	<b>1,026,860</b> \$	158,037	\$ (34,777	) \$ (189,321)	\$ (66,061)
5/1/2025 \$	533,810 \$	50,860 \$	640,554 \$	39,899	\$	24,416 \$	18,972 <b>\$</b>	<b>1,308,512</b> \$	229,335	\$ (39,288	) \$ (189,321)	\$ 725
6/1/2025 \$	1,259,407 \$	119,993 \$	1,511,247 \$	62,303	\$	38,126 \$	18,972 <b>\$</b>	<b>3,010,047</b> \$	462,587	\$ (106,231)	\$ (189,321)	\$ 167,034
7/1/2025 \$	1,806,168 \$	172,087 \$	2,167,341 \$	72,971	\$	44,654 \$	18,972 <b>\$</b>	<b>4,282,192</b> \$	650,598	\$ (157,789)	\$ (235,753)	\$ 257,056
8/1/2025 \$	1,839,105 \$	175,225 \$	2,206,864 \$	70,000	\$	42,836 \$	18,972 <b>\$</b>	<b>4,353,001</b> \$	672,868	\$ (163,119)	\$ (235,753)	\$ 273,996
\$	14,125,538 \$	1,345,843 \$	16,950,171 \$	895,657	\$	525,592 \$	227,663 \$	<b>34,092,960</b> \$	5,035,729	\$ (1,254,163	) \$ (2,364,719)	\$ 1,416,847

Total Reagent cost and Sale of By-products \$ 35,509,807

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

Line No.		Forecast \$	(Over)/Under Collection \$	Total \$
	1 Amount in current docket	91,030,663	2,705,033	93,735,696
	2 Amount in Sub 1282, prior year docket	108,889,655	70,794,129	179,683,784
	3 Increase/(Decrease)	(17,858,992)	(68,089,097)	(85,948,088)
	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	65.90%	34,036,462
WP 4	Purchases for REPS Compliance - Capacity	11,295,326	0.00%	-
WP 4	Purchases	5,544,352	65.90%	3,653,728
WP 4	QF Energy	51,796,696	65.90%	34,134,023
WP 4	QF Capacity	10,762,375	0.00%	-
WP 4	Allocated Economic Purchase cost	29,144,842	65.90%	19,206,451
		160,192,243		91,030,663
	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

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, Adjusted	7,854,287,9		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 W of Sales - Actuals (Cale)	5,297,871,0 67.5		4,457,422,794 67.22%	4,384,886,138 67.42%	4,081,225,729 66.51%	4,645,595,587 66.28%	5,265,835,034 66.08%	5,747,161,460 66.38%	5,553,369,282 67.18%	4,434,404,716 65.93%	4,239,284,678 67.87%	4,771,175,352 64.10%	57,529,680,110 66.62%
NC Retail % of Sales, Actuals (Calc) NC Retail % of Sales, Adjusted (Calc)	67.5		67.22%	67.31%	66.39%	66.18%	65.99%	66.30%	67.10%	65.82%	67.75%	64.00%	66.52%
Ne Retail % 01 Sales, Adjusted (Cale)	07.5	370 07.0776	07.11%	07.31/6	00.3570	00.18%	03.3376	00.30%	07.10%	03.8276	07.73%	04.00%	00.32%
NC retail production plant%	66.6	8% 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,	.91 \$ 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	4,490,3		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	3,611,4		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	150,0	10 263,513	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 \$	118,936
System Acutal \$ - Sch 3 Fuel-related\$; HB589 purpa Purchases	2,294,5	33 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\$	26,640,0	13 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
<u>Less:</u> Native Load Transfers, Native Load Transfer Benefit & DE - Progress fees	\$ 12,596,	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	\$ 14,044,3	35 \$ 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)	\$ 9,473,1	79 \$ 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):	0.1	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1357	0.1409	0.1409	0.1409	
Billed \$:	\$ 7,463,9	93 \$ 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 \$:	\$ 2,009,1	86 \$ 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	\$ ·	\$ - :	- 5	<b>.</b> - 9	\$ - \$	- \$	- \$	- \$	- 5	; - \$	- \$	- \$	_
System Actual \$ - Capacity component of Purchased Power for REPS Compliance	563,0	•	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	14,4		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	350,9	21 371,971	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	\$ 928,4	28 \$ 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)	\$ 619,0	38 \$ 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):	0.0	97 0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297	0.0280	0.0297	0.0297	0.0297	
Billed \$:	\$ 1,574,4	40 \$ 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 \$:	\$ (955,3	53) \$ (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

10,744 \$ 231,383 \$

74,795 \$

946,481 \$

67,008 \$

19,541 \$ 1,300,423 \$

(1,892,486) \$

2,705,033

166,356 \$

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 - April NC actual capacity shown herein is adjusted to reflect use of 2022 production plant allocation factor. Actual true-up related to allocator was made as prior period adjustment in May 2023 of Schedule 4.

\$ 1,053,833 \$ 2,534,886 \$ (1,807,932) \$

rounding differences may occur

TOTAL (Over)/ Under \$:

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

System kWh Sales - Sch 4, Adjusted NC Retail kWh Sales - Sch 4 NC Retail % of Sales, Actuals (Calc) NC Retail % of Sales, Adjusted (Calc)	Jan-22 7,587,345,694 4,988,913,451 69.73% 65.75%	Feb-22 7,631,271,992 5,189,555,709 70.21% 68.00%	Mar-22 6,790,067,074 4,642,701,985 69.17% 68.37%	<b>Apr-22</b> 6,455,104,305 4,283,391,409 69.31% 66.36%	<b>May-22</b> 6,544,372,277 4,361,033,505 69.39% 66.64%	Jun-22 7,852,382,055 5,223,755,139 70.06% 66.52%	Jul-22 8,386,958,942 5,560,704,210 66.93% 66.30%	Aug-22 8,886,608,895 6,010,616,462 69.27% 67.64%	Sep-22 8,009,959,106 5,369,219,189 62.78% 67.03%	Oct-22 6,516,474,006 4,315,776,539 63.80% 66.23%	Nov-22 6,148,600,623 4,103,701,351 66.07% 66.74%	<b>Dec-22</b> 7,600,126,412 5,009,748,290 72.66% 65.92%	12 ME 88,409,271,381 59,059,117,240 68.21% 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\$:  System Actual \$ - Sch 3 Fuel-related\$; Economic Purchases  System Actual \$ - Sch 3 Fuel-related\$; Purchased Power for REPS Compliance  System Actual\$ - Sch 3 Fuel-related\$; SC DERP  System Acutal \$ - Sch 3 Fuel-related\$; HB589 purpa Purchases  Total System Economic & QF\$	\$ 37,348,658 7,928,235 4,142,352 153,840 1,977,570 51,550,655	\$ 40,334,882 \$ (1,570,627) 3,490,134 153,265 1,777,710	28,936,616 3,557,135 3,995,856 196,932 2,215,962 38,902,502	\$ 49,553,437 \$ 4,369,558 3,290,332 137,675 1,745,571	53,977,979 \$ 7,286,679 5,192,821 248,854 2,647,918	76,187,119 \$ 6,129,379 5,283,840 297,053 3,816,224  91,713,615	84,243,384 \$ 10,685,578 5,430,924 290,834 3,554,345	\$ 92,288,328 \$ 9,921,881 5,998,047 285,229 3,225,136	54,398,279 \$ 9,510,435 5,270,163 257,994 3,434,693	11,798,321 \$ 1,184,100 5,163,446 240,417 3,359,816	41,689,819 \$ 3,142,043 4,802,114 248,173 3,414,696	94,911,581 \$ 8,875,341 \$ 4,257,583 \$ 229,623 \$ 2,956,940 \$	665,668,403 71,019,737 56,317,611 2,739,889 34,126,582
	32,330,633	. 1,100,00	33,362,362	33,030,373	03,33 1,230	31,713,013	10 1,200,000	111), 10,022	, 2,3, 1,30 .	21,7 10,202	33)233)311	111,231,665	023)072,222
<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 (¢/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	5 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)
System Actual \$ - Capacity component of Purchased Power for REPS Compliance System Actual \$ - Capacity component of HB589 Purpa QF purchases	631,201 14,255	645,219 14,801	680,737 19,366	463,766 14,471	802,115 24,039	701,461 29,036	827,443 28,404	2,753,196 28,368	2,319,960 25,409	2,511,631 23,627	2,238,491 24,299	639,202 \$ 22,399 \$	15,214,422 268,474
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	5 523,814 \$	699,688 \$	5 529,871 \$	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 (¢/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 \$:	\$ 1,390,793	1,446,727 \$	1,294,277	5 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	5 778,957 \$	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.

(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 June 2022 of Schedule 4.

**Duke Energy Carolinas, LLC** North Carolina Annual Fuel and Fuel Related Expense **Actual Sales by Jursidiction - Subject to Weather** Twelve Months Ended December 31, 2023 **Docket E-7, Sub 1304** 

		-		MWhs			
Line <u>#</u>	<u>Description</u>	<u>Reference</u>	NORTH <u>CAROLINA</u>	SOUTH CAROLINA	TOTAL COMPANY	<u>% NC</u>	<u>% SC</u>
1	Residential	Company Records	21,544,402	6,701,513	28,245,915	76.27	23.73
2	Total General Service less Lighting and Traffic Signals	Company Records	24,310,321 558,737	5,910,025 170,306	30,220,346 729,044		
4	General Service subject to weather	-	23,751,583	5,739,719	29,491,302	80.54	19.46
5	Industrial	Company Records	11,674,957	8,037,528	19,712,485	59.23	40.77
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 Rebuttal Workpaper 11
Page 1

			Total	NC RETAIL		SC	RETAIL
Line			Company	% To		% To	
#	Description	REFERENCE	MWh	Total	MWh	Total	MWh
	<u>Residential</u>						
1	Total Residential		1,372,504	76.27	1,046,809	23.73	325,695
	General Service						
2	Total General Service		258,325	80.54	208,055	19.46	50,270
	Industrial						
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
•			_,000,007		_,_, _,		001,110
5	Wholesale		96,670				
3			30,070				
6	Total Company	L4 + L5	1,756,476		1,272,028		387,779
U	Total Company	L4 + L3	1,730,470		1,272,020	<u>—</u>	301,113

Clark Rebuttal Workpaper 11 Page 2

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

	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

		TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	
	TOTAL MWH		
2023	ADJUSTMENT	Note:	The Resale customers include:
JAN	30,698	1	Concord <sup>1</sup>
FEB	28,349	2	Dallas
MAR	9,055	3	Forest City
APR	4	4	Kings Mountain <sup>1</sup>
MAY	6,787	5	Due West
JUN	16,729	6	Prosperity <sup>2</sup>
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	13,892	12	Rutherford
		13	Blue Ridge
Total	96,670	14	Greenwood <sup>1</sup>

<sup>&</sup>lt;sup>1</sup>Wholesale load is no longer being served by Duke as of December 2018.

<sup>&</sup>lt;sup>2</sup>Wholesale load is no longer being served by Duke as of December 2019.

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

Clark Rebuttal Workpaper 12 Page 1

			NC Proposed kWh <sup>1</sup>	SC Proposed kWh	Wholesale Proposed kWh	
<u>Line</u>	Estimation Method <sup>1</sup>	Rate Schedule	Adjustment	Adjustment	Adjustment	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) <sup>2</sup>	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 WP 12-2	404,481,28

## Notes:

<sup>&</sup>lt;sup>1</sup>Two approved methods are used for estimating the growth adjustment depending on the class/schedule:

<sup>&</sup>quot;Regression" refers to the use of Ordinary Least Squares Regression

<sup>&</sup>quot;Customer" refers to the use of the Customer by Customer approach.

<sup>&</sup>lt;sup>2</sup>T 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

rounding differences may occur

Clark Rebuttal Workpaper 12 Page 2

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	1,431,968,808
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	89,189,968
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