

Duke Energy Carolinas, LLC
 North Carolina Annual Fuel and Fuel Related Expense
 Calculation of Experience Modification Factor - Proposed Composite
 Test Period Ended December 31, 2023
 Billing Period September 2024 through August 2025
 Docket E-7, Sub 1304

Line No.	Month	Fuel Cost Incurred ¢/kWh (a)	Fuel Cost Billed ¢/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2023			5,297,871	\$ 79,470,094
2	February			4,651,448	\$ 25,314,780
3	March			4,457,423	\$ 15,168,768
4	April			4,384,886	\$ (11,360,755)
5	May ⁽¹⁾			4,081,226	\$ 5,420,934
6	June			4,645,596	\$ 11,033,435
7	July			5,265,835	\$ 47,605,379
8	August			5,747,161	\$ 34,762,091
9	September			5,553,369	\$ (6,562,753)
10	October ⁽¹⁾			4,434,405	\$ (13,011,598)
11	November ⁽¹⁾			4,239,285	\$ 20,573,604
12	December			4,771,175	\$ 7,242,642
13	Total Test Period			57,529,680	\$ 215,656,620
14	Adjustment to remove (Over)/Under Recovery				<u>\$ -</u>
15	Adjusted (Over)/Under Recovery				\$ 215,656,620
16	NC Retail Normalized Test Period MWh Sales			Exhibit 4	58,985,766
17	Experience Modification Increment (Decrement) cents/kWh				0.3656

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

Rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Residential
Test Period Ended December 31, 2023
Billing Period September 2024 through August 2025
Docket E-7, Sub 1304

Line #	Month	Fuel Cost Incurred ¢/kWh (a)	Fuel Cost Billed ¢/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2023	3.1036	2.0003	2,399,460	\$ 26,474,056
2	February	2.5164	2.0003	1,864,517	\$ 9,622,919
3	March	2.4815	2.0003	1,655,681	\$ 7,967,786
4	April	1.9527	2.0003	1,510,762	\$ (718,502)
5	May ⁽¹⁾	2.5601	2.0003	1,327,128	\$ 7,425,845
6	June	2.5914	2.0003	1,572,607	\$ 9,295,437
7	July	2.9775	2.0003	2,046,660	\$ 20,000,532
8	August	2.6251	2.0003	2,263,463	\$ 14,141,807
9	September	2.2559	2.2832	2,114,514	\$ (577,804)
10	October ⁽¹⁾	2.7002	2.6287	1,437,145	\$ 1,049,328
11	November ⁽¹⁾	3.6305	2.6287	1,417,824	\$ 14,200,655
12	December	2.6817	2.6287	1,934,641	\$ 1,025,051
13	Total Test Period			21,544,402	\$ 109,907,112
14	Test Period Wtd Avg. ¢/kWh	2.6778	2.1678		
15	Adjustment to remove (Over)/Under Recovery				\$ -
16	Adjusted (Over)/Under Recovery				\$ 109,907,112
17	NC Retail Normalized Test Period MWh Sales			Exhibit 4	22,807,302
18	Experience Modification Increment (Decrement) cents/kWh				0.4819

Notes:

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

Rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - GS/Lighting
Test Period Ended December 31, 2023
Billing Period September 2024 through August 2025
Docket E-7, Sub 1304

Line #	Month	Fuel Cost Incurred ¢/kWh (a)	Fuel Cost Billed ¢/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2023	3.4411	1.8217	2,010,240	\$ 32,553,429
2	February	2.3598	1.8217	1,844,325	\$ 9,925,065
3	March	2.0495	1.8217	1,861,027	\$ 4,239,231
4	April	1.4316	1.8217	1,911,294	\$ (7,455,265)
5	May ⁽¹⁾	1.7512	1.8217	1,801,039	\$ (1,224,776)
6	June	1.8406	1.8217	2,054,971	\$ 387,410
7	July	2.5540	1.8217	2,212,006	\$ 16,198,827
8	August	2.2981	1.8217	2,397,091	\$ 11,419,084
9	September	1.8501	2.0188	2,362,490	\$ (3,986,444)
10	October ⁽¹⁾	1.7729	2.2596	2,004,937	\$ (9,737,062)
11	November ⁽¹⁾	2.5369	2.2596	1,862,894	\$ 5,162,455
12	December	2.3964	2.2596	1,988,005	\$ 2,719,455
13	Total Test Period			24,310,321	\$ 60,201,409
14	Test Period Wtd Avg. ¢/kWh	2.1937	1.9463		
15	Adjustment to remove (Over)/Under Recovery				\$ -
16	Adjusted (Over)/Under Recovery				\$ 60,201,409
17	NC Retail Normalized Test Period MWh Sales			Exhibit 4	24,474,032
18	Experience Modification Increment (Decrement) cents/kWh				0.2460

Notes:

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

Rounding differences may occur

Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Industrial
Test Period Ended December 31, 2023
Billing Period September 2024 through August 2025
Docket E-7, Sub 1304

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Feb 27 2024

Line #	Month	Fuel Cost Incurred ¢/kWh (a)	Fuel Cost Billed ¢/kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/ Under Recovery (d)
1	January 2023	4.1413	1.8396	888,171	\$ 20,442,609
2	February	2.4514	1.8396	942,606	\$ 5,766,796
3	March	2.1544	1.8396	940,715	\$ 2,961,751
4	April	1.5086	1.8396	962,830	\$ (3,186,988)
5	May ⁽¹⁾	1.7572	1.8396	953,059	\$ (780,135)
6	June	1.9723	1.8396	1,018,017	\$ 1,350,588
7	July	2.9721	1.8396	1,007,169	\$ 11,406,019
8	August	2.6864	1.8396	1,086,607	\$ 9,201,200
9	September	1.6959	1.8816	1,076,365	\$ (1,998,505)
10	October ⁽¹⁾	1.4960	1.9328	992,323	\$ (4,323,864)
11	November ⁽¹⁾	2.0592	1.9328	958,566	\$ 1,210,494
12	December	2.3451	1.9328	848,529	\$ 3,498,136
13	Total Test Period			11,674,957	\$ 45,548,101
14	Test Period Wtd Avg. ¢/kWh	2.2558	1.8658		
15	Adjustment to remove (Over)/Under Recovery				\$ -
16	Adjusted (Over)/Under Recovery				\$ 45,548,101
17	NC Retail Normalized Test Period MWh Sales			Exhibit 4	11,704,432
18	Experience Modification Increment (Decrement) cents/KWh				0.3892

Notes:

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

Rounding differences may occur