Duke Energy Carolinas, LLC
North Carolina Annual Fuel and Fuel Related Expense
Proposed Base Rate Decrement Adjustment Related to Voltage Differential
Test Period Ended December 31, 2023
Billing Period September 2024 through August 2025
Docket E-7, Sub 1304

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWh Sales at Meter	Workpaper 7	22,870,391	24,590,927	12,348,188	59,809,506
Calcula	ation of Fuel (Non-Capacity) Rate by Class					Amount
2	System Fuel (Non-Capacity) Costs	Workpaper 7 - Line 11			\$	2,043,629,333
3	NC Portion - Jurisdictional % based on Projected Billing Period MWh Sales at Meter	Workpaper 7				66.49%
4	NC Retail Fuel (Non-Capacity) Costs before 2.5% Purchase Power Test	Line 2 * Line 3			\$	1,358,809,144
5	NC Retail Reduction due to 2.5% Purchased Power Test	Workpaper 9				=
6	NC Retail Fuel (Non-Capacity) Costs Allowable Under GEN. STAT. § 62-133.2(A2)	Line 4 + Line 5			\$	1,358,809,144
7	NC Retail Projected Billing Period MWh Sales Allocation Factors at Generator	Line 1 / Line 1 Total	38.24%	41.12%	20.65%	100.00%
8	Fuel (Non-Capacity) Costs allocated on Projected Billing Period MWh Sales	Line 6 * Line 7	\$ 519,591,257 \$	558,680,028 \$	280,537,859 \$	1,358,809,144
Calcula	ntion of Renewable and Cogeneration Purchased Power Capacity Rate by Class					Amount
9	Purchased Power for REPS Compliance - Capacity	Workpaper 4			\$	11,295,326
10	QF Purchased Power - Capacity	Workpaper 4				10,496,458
11	Total of Renewable and QF Purchased Power Capacity	Line 9 + Line 10			\$	21,791,784
12	NC Portion - Jursidicational % based on 2022 Production Demand Allocator	Input				67.12%
13	NC Renewable and QF Purchased Power - Capacity	Line 11 * Line 12			\$	14,626,471
14	2022 Production Demand Allocation Factors	Input	49.05%	35.73%	15.22%	100.00%
15	Renewable and QF Purchased Power - Capacity allocated on 2022 Production Demand Allocator	Line 13 * Line 14	\$ 7,174,604 \$	5,226,011 \$	2,225,856 \$	14,626,471
16	Total Fuel Expense Using NC Projected Billing Period MWh Sales at Meter	Line 8 + Line 15	\$ 526,765,861 \$	563,906,038 \$	282,763,715 \$	1,373,435,615
17	Total Fuel Expense Using NC Projected Billing Period MWh Sales at Generator	Exh2 Sch 1 Page 2 of 2	\$ 527,418,801 \$	566,693,284 \$	283,410,788 \$	1,377,522,873
18	Difference in Fuel Total Fuel Expense Attributable to Voltage Differential	Line 16 - Line 17	\$ (652,940) \$	(2,787,246) \$	(647,073) \$	(4,087,259)
19	NC Projected Sales at Meter	Workpaper 7	22,870,391	24,590,927	12,348,188	59,809,506
20	Proposed Decrement Rider Attributable to Voltage Differentia	Line 18 / Line 19 / 10	(0.0029)	(0.0113)	(0.0052)	(0.0068)