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, 2023

Billing Period Sept 2024 through Aug 2025

Docket E-7, Sub 1304

Line #	Description	Reference	Residential cents/kWh	General cents/kWh	Industrial cents/kWh	Composite cents/kWh
	Current Fuel and Fuel Related Cost Factors (Approved Fuel Rider Docket No. E-7, Sub 1282)					
1	Approved Fuel and Fuel Related Costs Factors	Input	2.6287	2.2596	1.9328	2.3417
2	EMF Increment (Decrement) cents/kWh	Input	1.2579	1.2342	1.3007	1.2568
3	EMF Interest Increment (Decrement) cents/kWh	Input	0.0084	0.0082	0.0087	0.0084
4	Approved Net Fuel and Fuel Related Costs Factors	Sum	**3.8950**	**3.5020**	**3.2422**	**3.6069**
	Fuel and Fuel Related Cost Factors Required by Rule R8-55					
5	Proposed Nuclear Capacity Factor of 95.40%	Exh 2 Sch 2 pg 2	**2.7660**	**2.5823**	**2.9692**	**2.6836**
6	NERC 5 Year Average Nuclear Capacity Factor of 91.90% and Projected Period Sales	Exh 2 Sch 3 pg 2	**2.8779**	**2.6946**	**3.0802**	**2.7954**
	Proposed Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 95.40%					
7	Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh	Exh 2 Sch 1 pg 2	2.2745	2.2829	2.2768	2.2784
8	REPS Compliance and QF Purchased Power - Capacity cents/kWh	Exh 2 Sch 1 pg 2	0.0318	0.0215	0.0182	0.0248
9	Total adjusted Fuel and Fuel Related Costs cents/kWh	Sum	2.3063	2.3044	2.2950	2.3032
10	EMF Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	0.4751	0.3221	0.6890	0.4094
11	EMF Interest Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	-	-	0.0063	0.0008
12	EMF Increment (Decrement) Docket E-7, Sub 1282	Exh 3 pg 2, 3, 4	0.0285	(0.0003)	0.0217	0.0138
13	Net Fuel and Fuel Related Costs Factors cents/kWh	Sum	**2.8099**	**2.6262**	**3.0120**	**2.7272**
14	Net Fuel and Fuel Related Costs Factors cents/kWh (9/1/2024 - 12/31/2024)		**4.0762**	**3.8686**	**3.6044**	
15	Net Fuel and Fuel Related Costs Factors cents/kWh (01/01/2025 - 8/31/2025)		**2.8099**	**2.6262**	**3.0120**	

Note: Fuel factors exclude regulatory fee