

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, 2022
Billing Period September 2023 - August 2024
Docket E-7, Sub 1282

Clark Exhibit 1

Line #	Description	Reference	Residential cents/kWh	General cents/kWh	Industrial cents/kWh	Composite cents/kWh
<u>Current Fuel and Fuel Related Cost Factors (Approved Fuel Rider Docket No. E-7, Sub 1263)</u>						
1	Approved Fuel and Fuel Related Costs Factors	Input	2.0003	1.8217	1.8396	1.9010
2	EMF Increment (Decrement) cents/kWh	Input	0.4863	0.6254	0.5726	0.5597
3	EMF Interest Increment (Decrement) cents/kWh	Input	-	-	-	-
4	Approved Net Fuel and Fuel Related Costs Factors	Sum	2.4866	2.4471	2.4122	2.4607
<u>Fuel and Fuel Related Cost Factors Required by Rule R8-55</u>						
5	Proposed Nuclear Capacity Factor of 93.52% and Normalized Test Period Sales	Exh 2 Sch 2 pg 2	4.3435	3.8366	3.4807	3.9640
6	NERC 5 Year Average Nuclear Capacity Factor of 91.87% and Projected Period Sales	Exh 2 Sch 3 pg 2	4.4116	3.9471	3.4582	4.0257
<u>Proposed Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 93.52%</u>						
7	Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh	Exh 2 Sch 1 pg 2	2.6764	2.2274	1.6912	2.2905
8	REPS Compliance and QF Purchased Power - Capacity cents/kWh	Exh 2 Sch 1 pg 2	0.0362	0.0279	0.0215	0.0297
9	Total adjusted Fuel and Fuel Related Costs cents/kWh	Sum	2.7126	2.2553	1.7127	2.3202
10	EMF Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	1.6644	1.6649	1.7267	1.6774
11	EMF Interest Increment (Decrement) cents/kWh	Exh 3 pg 2, 3, 4	-	-	-	-
12	Net Fuel and Fuel Related Costs Factors cents/kWh	Sum	4.3770	3.9202	3.4394	3.9976

Note: Fuel factors exclude regulatory fee