

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 September 2024 through August 2025
Docket E-7, Sub 1304

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 1282)</u> | | | | | | |
| 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 |
| <u>Fuel and Fuel Related Cost Factors Required by Rule R8-55</u> | | | | | | |
| 5 | Proposed Nuclear Capacity Factor of 95.73% and Normalized Test Period Sales | Exh 2 Sch 2 pg 2 | 2.7679 | 2.5303 | 2.6650 | 2.6488 |
| 6 | NERC 5 Year Average Nuclear Capacity Factor of 91.90% and Projected Period Sales | Exh 2 Sch 3 pg 2 | 2.8634 | 2.6262 | 2.7598 | 2.7443 |
| <u>Proposed Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 95.73%</u> | | | | | | |
| 7 | Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh | Exh 2 Sch 1 pg 2 | 2.2747 | 2.2832 | 2.2771 | 2.2787 |
| 8 | REPS Compliance and QF Purchased Power - Capacity cents/kWh | Exh 2 Sch 1 pg 2 | 0.0314 | 0.0213 | 0.0180 | 0.0245 |
| 9 | Total adjusted Fuel and Fuel Related Costs cents/kWh | Sum | 2.3061 | 2.3045 | 2.2951 | 2.3032 |
| 10 | EMF Increment (Decrement) cents/kWh | Exh 3 pg 2, 3, 4 | 0.4819 | 0.2460 | 0.3892 | 0.3656 |
| 11 | EMF Interest Increment (Decrement) cents/kWh | Exh 3 pg 2, 3, 4 | - | - | - | - |
| 12 | Net Fuel and Fuel Related Costs Factors cents/kWh | Sum | 2.7880 | 2.5505 | 2.6843 | 2.6688 |

Note: Fuel factors exclude regulatory fee