

Line No.	Unit	Reference	Generation (MWh)	Unit Cost (cents/kWh)	Total System Cost (\$)	Remove impact of SC	System Capacity Cost (\$)	System Fuel (Non-Capacity) Cost (\$)
						DERP Net Metered Generation Impact on System Avg Fuel (\$)		
			A	C/A/10=B	C	D	E	
1	Total Nuclear	Workpaper 3-4	29,122,107	0.6113	\$ 178,009,922			\$ 178,009,922
2	Coal	Workpaper 3 - 4	6,229,316	4.3261	269,486,511			269,486,511
3	Gas - CT and CC	Workpaper 3 - 4	24,747,254	3.7763	934,531,959			934,531,959
4	Reagents & Byproducts	Workpaper 5	-		43,993,340			43,993,340
5	SC DERP Net Metering Impact on System Avg Fuel	Workpaper 10				\$ 851,357		851,357
6	Total Fossil	Sum of Lines 2 - 5	30,976,570		1,248,011,810	851,357		1,248,863,167
7	Hydro	Workpaper 3	720,836		-			-
8	Net Pumped Storage		-		-			-
9	Total Hydro	Sum of Lines 7-8	720,836		-			-
10	Utility Owned Solar Generation	Workpaper 3	270,472		-			-
11	Total Generation	Line 1 + Line 6 + Line 9 + Line 10	61,089,985		1,426,021,732	851,357		1,426,873,089
12	Purchases	Workpaper 3 - 4	11,928,598		563,779,105		\$ 68,745,569	495,033,536
13	JDA Savings Shared	Workpaper 4	-		(114,205,606)			(114,205,606)
14	Total Purchases	Sum of Lines 12 - 13	11,928,598		449,573,499		68,745,569	380,827,930
15	Total Generation and Purchases	Line 11 + Line 14	73,018,583		1,875,595,231	851,357	68,745,569	1,807,701,019
16	Fuel expense recovered through intersystem sales	Workpaper 3 - 4	(7,601,020)		(204,822,948)			(204,822,948)
17	Line losses and Company use	Line 19 - Line 15 - Line 16	(2,185,868)		-			-
18	System Fuel Expense for Fuel Factor	Line 15 + Line 16			\$ 1,670,772,283	\$ 851,357	\$ 68,745,569	\$ 1,602,878,071
19	Projected System MWh Sales at Meter for Fuel Factor	Workpaper 3	63,231,695		63,231,695			
20	Fuel and Fuel-Related Costs cents/kWh	Line 18 / Line 19 / 10			2.642			

Note: Rounding differences may occur

North Carolina Annual Fuel and Fuel-Related Expense

Calculation of Fuel and Fuel-Related Cost Factors Using:

Proposed Nuclear Capacity Factor of 92.27% with Projected Billing Period MWh Sales

Billing Period December 1, 2023 - November 30, 2024

Docket No. E-2, Sub 1321

Line No.	Description		Residential	General Service Small	General Service Medium	General Service Large	Lighting	Total
1	NC Retail Projected Billing Period MWh Sales at Meter	Workpaper 8	17,326,377	1,816,847	10,471,370	9,239,420	384,646	39,238,661
<b>Calculation of Renewable and Qualifying Facilities Purchased Power Capacity Rate by Class</b>								
2	Renewable Purchased Power Capacity	Workpaper 4						Amount
3	Purchases from Qualifying Facilities Capacity	Workpaper 4						\$ 21,846,114
4	Total of Renewable and Qualifying Facilities Purchased Power Capacity	Line 2 + Line 3						46,899,456
5	NC Portion - Jurisdictional % based on Production Plant Allocator	Workpaper 13						\$ 68,745,569
6	NC Renewable and Qualifying Facilities Purchased Power Capacity	Line 4 * Line 5						61.15%
7	Production Plant Allocation Factors	Workpaper 13						\$ 42,039,686
8	Renewable and Qualifying Facilities Purchased Power Capacity allocated on Production Plant %	Line 6 * Line 7	54.15%	5.98%	25.19%	14.69%	0.00%	100.000%
9	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh based on Projected Billing Period Sales at Meter	Line 8 / Line 1 / 10	\$ 22,765,363	\$ 2,511,908	\$ 10,587,865	\$ 6,174,549	\$ -	\$ 42,039,686
			0.131	0.138	0.101	0.067	-	0.107
<b>Billed Rates</b>								
			<b>cents/kWh</b>	<b>cents/kWh</b>	<b>cents/kWh</b>	<b>cents/kWh</b>	<b>cents/kWh</b>	
10	Fuel and Fuel-Related Costs excluding Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.756	3.157	2.473	2.052	4.053	
11	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 9	0.131	0.138	0.101	0.067	-	
12	Total adjusted Fuel and Fuel-Related Costs cents/kWh	Line 10 + Line 11	2.887	3.295	2.574	2.119	4.053	
13	EMF Increment/(Decrement) cents/kWh	Exh 3B, 3C, 3D, 3E, 3F	1.187	1.040	1.080	1.243	1.681	
14	EMF Interest Increment/(Decrement) cents/kWh	Exh 3B, 3C, 3D, 3E, 3F	-	-	-	-	-	
15	Net Fuel and Fuel-Related Costs Factors cents/kWh	Exh 2C	4.074	4.335	3.654	3.362	5.734	

Note: Rounding differences may occur

Calculation of Uniform Percentage Average Bill Adjustment by Customer Class

Line No.	Rate Class	NC Retail Projected Billing Period MWh Sales at Meter A Workpaper 8	Annual Revenue at Current rates B Workpaper 12	Allocate Fuel Costs Increase/(Decrease) to Customer Class C Line 27 as a % of Column B	Uniform Percentage Increase/Decrease as % of Annual Revenue at Current Rates D C / B	Total Fuel Rate Increase/(Decrease) cents/kWh E If D=0 then 0 if not then (C*100)/(A*1000)	Current Total Fuel Rate (including renewables and EMF) E-2, Sub 1292 cents/kWh F Exhibit 1, Line 4	Proposed Total Fuel Rate (including renewables and EMF) cents/kWh G E + F = G
1	Residential	17,326,377	\$ 2,086,401,509	\$ 106,938,539	5.1%	0.617	3.457	4.074
2	Small General Service	1,816,847	279,731,721	14,337,653	5.1%	0.789	3.546	4.335
3	Medium General Service	10,471,370	997,768,827	51,140,655	5.1%	0.488	3.166	3.654
4	Large General Service	9,239,420	586,849,332	30,078,971	5.1%	0.326	3.036	3.362
5	Lighting	384,646	114,358,945	5,861,469	5.1%	1.524	4.210	5.734
6	NC Retail	39,238,661	\$ 4,065,110,334	\$ 208,357,288				
<b>Total Proposed Composite Fuel Rate:</b>								
7	Adjusted System Total Fuel Costs	Workpaper 8	\$ 1,671,623,640					
8	System Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2B	68,745,569					
9	Adjusted System Other Fuel Costs	Line 7 - Line 8	\$ 1,602,878,071					
10	NC Retail Allocation % - sales at generation	Workpaper 8	62.17%					
11	NC Retail Other Fuel Costs	Line 9 * Line 10	\$ 996,483,007					
12	NC Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2B	42,039,686					
13	NC Retail Total Fuel Costs before 2.5% Purchase Power Test	Line 11 + Line 12	\$ 1,038,522,693					
14	NC Retail Reduction due to 2.5% Purchased Power Test	Workpaper 15	-					
15	NC Retail Total Fuel Costs	Line 13 + Line 14	\$ 1,038,522,693					
16	NC Projected Billing Period MWh Sales - at meter	Line 6, col A	39,238,661					
17	Calculated Fuel Rate cents/kWh	Line 15 / Line 16 / 10	2.647					
18	Proposed Composite EMF Rate cents/kWh	Exhibit 3A	1.167					
19	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3A	0.000					
20	Total Proposed Composite Fuel Rate	Sum of Lines 17-19	3.814					
<b>Total Current Composite Fuel Rate - Docket E-2 Sub 1292:</b>								
21	Current composite Fuel Rate cents/kWh	2022 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 17	2.606					
22	Current composite EMF Rate cents/kWh	2022 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 18	0.677					
23	Current composite EMF Interest cents/kWh	2022 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 19	0.000					
24	Total Current Composite Fuel Rate	Sum of Lines 21-23	3.283					
25	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	0.531					
26	NC Projected Billing Period MWh Sales - at meter	Line 6, col A	39,238,661					
27	Increase/(Decrease) in Fuel Costs	Line 25 * Line 26 * 10	\$ 208,357,288					

Notes:  
Rounding differences may occur