Harrington Exhibit 6A

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel-Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 94.99% with Normalized Test Period MWh Sales
Billing Period December 1, 2024 - November 30, 2025
Docket No. E-2. Sub 1341

Remove impact of SC **DERP Net Metered** System Capacity System Fuel Generation **Unit Cost Total System Cost** Generation Cost (Non-Capacity) Cost on System Avg Fuel (\$) Line No. Unit Reference (MWh) (cents/kWh) (\$) (\$) F = C + D - E Α B = C/A/10С D Ε Total Nuclear Workpaper 3, 4 185,636,000 1 29,898,302 0.6209 \$ 185,636,000 Ś 2 Coal Workpaper 13 6,710,084 4.4013 295.331.602 295,331,602 Gas - CT and CC Workpaper 3, 4 21,896,341 3.7600 823,304,204 823,304,204 3 4 Reagents & Byproducts Workpaper 5 36.613.958 36.613.958 Remove SC DERP Net Metering Impact on System Avg Fuel 5 Workpaper 10 1,308,885 1,308,885 Line 2 + Line 3 + Line 4 + Line 5 6 Total Fossil 28,606,425 1,155,249,764 1,308,885 1,156,558,649 7 Hydro Workpaper 3 637,745 8 **Utility Owned Solar Generation** Workpaper 3 294,499 9 **Total Generation** Line 1 + Line 6 + Line 7 + Line 8 59,436,971 1,340,885,764 1,308,885 1,342,194,649 10 Purchases Workpaper 3, 4, or Exh 6B 11.763.051 580,041,053 69.586.519 510,454,534 11 JDA Savings Shared Workpaper 4 (24,331,067) (24,331,067) 12 Total Purchases Line 10 + Line 11 11,763,051 555,709,986 69,586,519 486,123,467 Line 9 + Line 12 71,200,022 1,896,595,750 69,586,519 1,828,318,115 13 Total Generation and Purchases 1.308.885 Fuel expense recovered through intersystem sales Workpaper 3, 4 (7,230,228)(235,690,333) (235,690,333) 14 15 Line losses and Company use (MWh only) Line 17 - Line 13 - Line 14 (2,717,796)Line 13 + Line 14 1,660,905,417 \$ 1,592,627,782 System Fuel Expense for Fuel Factor 1,308,885 \$ 69,586,519 \$ 16 Normalized Test Period MWh Sales at Meter 61,251,998 17 Exh 4 61,251,998

2.712

Line 16 /Line 17 / 10

Note: Rounding differences may occur

Fuel and Fuel-Related Costs cents/kWh

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Harrington Exhibit 6B

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel-Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 94.99% with Normalized Test Period MWh Sales
Billing Period December 1, 2024 - November 30, 2025
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					General	General	General		
					Service	Service	Service		
Line No.	Description	_	Residential		Small	Medium	Large	Lighting	Total
1	NC Retail Normalized Test Period MWh Sales at Generation	Workpaper 9	17,747,413	3	2,028,212	10,880,035	8,337,849	346,144	39,339,653
Calculation	of Fuel and Fuel-related (Non-Capacity) Rate by Class								Amount
2	System Fuel and Fuel-related (Non-Capacity) Costs	Exhibit 6A						\$	1,592,627,782
3	NC Portion - Jurisdictional % based on Normalized Test Period MWh Sales at Generation	Workpaper 9							61.72%
4	NC Retail Fuel (Non-Capacity) Costs before 2.5% Purchase Power Test	Line 2 * Line 3						\$	983,008,038
5	NC Retail Amount Excluded by 2.5% Purchased Power Test	Workpaper 15, opp sign							-
6	NC Retail Fuel (Non-Capacity) Costs Allowable Under GEN. STAT. § 62-133.2(A2)	Line 4 + Line 5						\$	983,008,038
7	NC Retail Normalized Test Period MWh Sales at Generation Allocation Factors	Line 1 / Line 1 Total	45.119	%	5.16%	27.66%	21.19%	0.88%	100.00%
8	Fuel (Non-Capacity) Costs allocated on Normalized Test Period MWh Sales at Generation	Line 6 * Line 7	\$ 443,467,293	3 \$	50,680,372 \$	271,867,217 \$	208,343,801 \$	8,649,355 \$	983,008,038
Calculation	of Renewable and Qualifying Facilities Purchased Power Capacity Rate by Class								Amount
9	Renewable Purchased Power Capacity	Workpaper 4						\$	22,968,069
10	Purchases from Qualifying Facilities Capacity	Workpaper 4							46,618,449
11	Total of Renewable and Qualifying Facilities Purchased Power Capacity	Line 9 + Line 10						\$	69,586,519
12	NC Portion - Jurisdictional % based on Production Demand Allocator	Workpaper 12							62.82%
13	NC Renewable and Qualifying Facilities Purchased Power Capacity	Line 11 * Line 12						\$	43,710,929
14	Production Demand Allocation Factors	Workpaper 12	50.479	%	23.41%	8.43%	16.56%	1.14%	100.000%
15	Renewable and Qualifying Facilities Purchased Power Capacity allocated on Production Demand %	Line 13 * Line 14	\$ 22,059,077	7 \$	10,231,089 \$	3,685,216 \$	7,238,564 \$	496,981 \$	43,710,929
Billed Rate	=								
16	NC Retail Normalized Test Period MWh Sales at Meter	Workpaper 9	16,810,349	9	1,921,223	10,323,848	8,038,354	328,031	37,421,804
			cents/kWh		cents/kWh	cents/kWh	cents/kWh	cents/kWh	
17	Fuel (Non-Capacity) cents/kWh based on Projected Billing Period MWh Sales at Meter	Line 8 / Line 16 / 10	2.638	3	2.638	2.633	2.592	2.637	
18	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh based on Projected Billing Period Sales								
10	at Meter	Line 15 / Line 16 / 10	0.131	1	0.533	0.036	0.090	0.152	
19	EMF Increment/(Decrement) cents/kWh based on Normalized Test Period Sales at Meter	Exh 3B, 3C, 3D, 3E, 3F	0.354	4	0.037	0.174	0.424	0.900	
20	EMF Interest Decrement cents/kwh based on Normalized Test Period Sales at Meter, if applicable	n/a							
21	Proposed Net Fuel and Fuel-Related Costs Factors	Sum Lines 17:20	3.123	)	3.208	2.843	3.106	3.689	
21	Froposed Net Fuer and Fuer-Netated Costs Factors	Julii Lilles 17.20	5.123	,	3.208	2.043	3.100	3.069	

Note: Rounding differences may occur