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August 27, 2021

VIA ELECTRONIC FILING

Ms. A. Shonta Dunston, Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4300

RE: Duke Energy Progress, LLC's Supplemental Testimony and Exhibits
Docket No. E-2, Sub 1272

Dear Ms. Dunston:

Please find enclosed Duke Energy Progress, LLC's Supplemental Testimony and Exhibits of Dana M. Harrington, in the above-referenced proceeding.

The changes proposed in the Supplemental Testimony result in an increase in the amount requested in Company's original application in this docket. For that reason, we are attaching an additional Public Notice to reflect the increase currently proposed. The Company asks for authorization to publish the additional notice on a one time basis in the same manner as the initial notice. A draft of the proposed additional notice is also attached. We are requesting that this matter be expedited so that the Notice can be published in a timely manner prior to the September 21, 2021 hearing.

If you have any questions, please do not hesitate to contact me. Thank you for your assistance with this matter.

Sincerely,

Jack E. Jirak

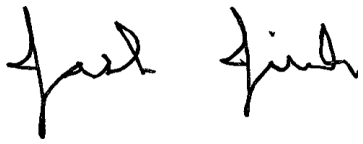
Enclosure

cc: Parties of Record

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Supplemental Testimony and Exhibits, in Docket No. E-2, Sub 1272, has been served by electronic mail, hand delivery, or by depositing a copy in the United States mail, postage prepaid, properly addressed to parties of record.

This the 27th day of August, 2021.



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STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. E-2, SUB 1272

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of Application of Duke Energy Progress, LLC Pursuant to G.S. 62-133.2 and NCUC Rule R8-55 Relating to Fuel and Fuel-Related Charge Adjustments for Electric Utilities	)))))	**SUPPLEMENTAL TESTIMONY OF DANA M. HARRINGTON FOR DUKE ENERGY PROGRESS, LLC**

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Dana M. Harrington and my business address is 550 South Tryon Street, Charlotte, North Carolina ("NC").

Q. HAVE YOU PREVIOUSLY FILED TESTIMONY IN THIS PROCEEDING?

A. Yes, on June 15, 2021, I caused to be pre-filed with the Commission my direct testimony, six exhibits, and eighteen supporting workpapers.

Q. YOUR SUPPLEMENTAL TESTIMONY INCLUDES FOUR REVISED EXHIBITS AND SEVEN SUPPORTING WORKPAPERS. WERE THESE SUPPLEMENTAL EXHIBITS AND WORKPAPERS PREPARED BY YOU OR AT YOUR DIRECTION AND UNDER YOUR SUPERVISION?

A. Yes. These exhibits and workpapers were prepared by me and consist of the following:

- Revised Exhibit 1: Summary Comparison of Fuel and Fuel-Related Costs Factors
- Revised Exhibit 2, Schedule 1, Pages 2 & 3: Fuel and Fuel-Related Costs Factors - reflecting a 93.21% proposed nuclear capacity factor and projected billing period megawatt hour ("MWh") sales; Schedule 2, Pages 1, 2, & 3: Fuel and Fuel-Related Costs Factors - reflecting a 93.21% proposed nuclear capacity factor and normalized test period MWh sales, and Schedule 3, Pages 2 & 3: Fuel and Fuel-Related Costs Factors - reflecting an 93.18% North American Electric Reliability Corporation ("NERC") five-year national weighted-average nuclear capacity factor for comparable units and projected billing period MWh sales.

- Revised Exhibit 3, Page 1: Calculation of the Proposed Composite Experience Modification Factor ("EMF") rate; Page 2: Calculation of the EMF for residential customers; Page 3: Calculation of the EMF for small general service customers; Page 4: Calculation of the EMF for medium general service customers; Page 5: Calculation of the EMF for large general service customers, and Page 6: Calculation of the EMF for lighting customers.
- Revised Exhibit 4: Normalized Test Period MWh Sales, Fuel and Fuel-Related Revenue, Fuel and Fuel-Related Expense, and System Peak.
- Revised Workpaper 9, 9a, & 9b: Calculation of Normalized Test Period Sales.
- Revised Workpaper 12: Annualized Revenues at Current Rates.
- Revised Workpaper 13: Actual MWH Sales by Jurisdiction - Subject to Weather.
- Revised Workpaper 15: Scenario Differences.
- Revised Workpaper 16: 2.5% Calculation Test based on Projected Sales.
- Revised Workpaper 17: 2.5% Calculation Test based on Normalized Sales.
- Revised Workpaper 18: 2.5% Calculation Test – Detail Calculation.

Q. WHAT IS THE PURPOSE OF YOUR SUPPLEMENTAL TESTIMONY IN THIS PROCEEDING?

A. The purpose of my testimony is to present the revised rates reflecting the impacts related to five updates in my direct exhibits and workpapers.

The primary update relates to the proposed EMF increment for the under-recovery of fuel and fuel-related costs. NCUC Rule R8-55(d)(3) allows the Company to update the fuel and fuel-related cost recovery balance up to thirty (30) days prior to

the hearing. The Company elects this option and supplements the direct testimony and exhibits to include the fuel and fuel-related cost recovery balance as of the 15 months ended June 30, 2021. The Company experienced an under-collection of $38,080,743 during the months of April, May, and June 2021. As shown on Revised Harrington Exhibit 3 Page 1, the incorporation of the updated test period under-collection resulted in an under-recovered balance as of June 30, 2021 of $113,060,434.

Second, in the month of July 2021, it was discovered that due to billing system complexity for real-time pricing, one Industrial Large General Service – Real-Time Pricing ("LGS-RTP") customer's kilowatt hour ("kWh") usage for the months of June 2020 through June 2021 were not recognized on system-generated kWh sales reports. These sales were approximately 0.027% and 0.017% of NC Retail and system test period sales respectively. Test period sales and calculations based on test period sales throughout this supplemental filing have been updated to reflect the missing sales, including a June 2021 adjustment to true-up the EMF on Revised Harrington Exhibit 3 Pages 1-6.

Third, while updating the historical test period sales utilized in the initial weather adjustment, it was discovered that the NC Retail weather adjustment had incorrectly been interpreted to be the Total Retail weather adjustment and further itemized into North and South Carolina components on Harrington Workpaper 9a. In this supplemental filing, the weather adjustment has been corrected to match the methodology utilized in the most recent DEP NC base rate case (Docket No. E-2, Sub 1219) to assign the adjustment to customer classes, and updated to include the missing test period Industrial sales.

Fourth, also while updating the historical test period sales utilized in the initial annualized revenues calculation, it was discovered that a preliminary version of the annualized revenues calculation had been utilized in direct testimony exhibits and workpapers, which was subsequently superseded. Revised Harrington Workpaper 12 utilizes the annualized revenues calculation finalized subsequent to direct testimony having been filed in this docket and is further adjusted to incorporate the missing test period LGS-RTP kWh sales and sales revenues. The revised annual revenues at current rates increased by 0.02% and are shown on Revised Harrington Exhibit 2, Schedules 1, 2, & 3, Page 3.

Finally, while recomputing the 2.5% test to incorporate changes proposed in this supplemental filing, it was noticed that the computation to determine the portion of fuel rates that recover purchased power capacity costs incorrectly used a sales allocation factor rather than a production plant allocation factor. This has been corrected on line no. 9 of Revised Harrington Workpaper 18. The resulting calculation also impacted Revised Harrington Workpapers 16 and 17.

Q PLEASE IDENTIFY THE SPECIFIC SCHEDULES REVISED FOR EACH UPDATE.

A. The primary update, to incorporate the EMF under collection balance at June 30, 2021, impacts the following exhibits:

- Exhibit 1,
- Exhibit 2, Schedules, 1, 2, and 3, Pages 2 and 3,
- Exhibit 3, Pages 1-6, and
- Workpaper 16, 17, and 18.

The second update, to include missing test period sales, impacts the following exhibits and workpapers:

- Exhibit 1,
- Exhibit 2, Schedule 2, Pages 1, 2, and 3,
- Exhibit 3, Pages 1-6,
- Exhibit 4, and
- Workpapers: 9, 9b, 12, 13, 15, 16, 17, and 18.

The third update, to correct for the misinterpretation of the Weather Adjustment used in the calculation of normalized test period sales, impacts the following exhibits and workpapers:

- Exhibit 1,
- Exhibit 2, Schedule 2, Pages 1, 2, and 3,
- Exhibit 4, and
- Workpapers: 9, 9a, 9b, 15, and 17.

The fourth update, to supersede the Annualized Revenues calculation used to support the rates filed in Direct Testimony with a later finalized calculation, impacts the following exhibits and workpapers:

- Exhibit 1,
- Exhibit 2, Schedules 1, 2, and 3, Pages 2 and 3, and
- Workpaper 12.

The final update, to update and correct the 2.5% test calculation, impacted the following workpapers:

- Workpapers 16, 17, and 18.

Q. WHAT IS THE RATE IMPACT OF THESE UPDATES?

A. The NC Retail Total Fuel Costs increased by $37,957,651 from the amounts filed in my direct testimony shown on Exhibit 2, Schedule 1, Page 3. This amount represents an increase of $38,080,743 related to incorporating the April, May, and June 2021 under collected balance, including the June 2021 EMF adjustment that reflects the costs and revenues associated with the missing LGS-RTP kWh sales, and is partially offset by a reduction of $123,092 related to other supplemental revisions. The components of the proposed fuel and fuel-related cost factors by customer class, as shown on Revised Harrington Exhibit 1, are as follows:

Description	Reference	Residential cents/KWh	Small General Service cents/KWh	Medium General Service cents/KWh	Large General Service cents/KWh	Lighting cents/KWh
Total adjusted Fuel and Fuel-Related Costs Factors	Sum	2.126	2.111	2.169	2.019	1.682
EMF Increment/(Decrement)	Exh 2 Sch 1 pg 2	0.245	0.186	0.235	0.508	0.336
Proposed Net Fuel and Fuel-Related Costs Factors	Exh 2 Sch 1 pg 2	2.371	2.297	2.404	2.527	2.018

Q. WHAT IS THE IMPACT TO CUSTOMERS' BILLS IF THE REVISED PROPOSED FUEL AND FUEL-RELATED COSTS FACTORS ARE APPROVED BY THE COMMISSION?

A. The revised proposed fuel and fuel-related costs factors will result in a 1.0% increase, on average, in customers' bills. The rates previously proposed in my direct testimony would result in a 0.1% decrease, on average, in customers' bills.

Q. DOES THIS CONCLUDE YOUR PRE-FILED SUPPLEMENTAL TESTIMONY?

A. Yes, it does.

Duke Energy Progress, LLC **Revised Harrington Exhibit 1**
North Carolina Annual Fuel and Fuel-Related Expense
Summary Comparison of Fuel and Fuel-Related Cost Factors
Twelve Months Ended March 31, 2021
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Line No.	Description	Reference	Residential cents/KWh	Small General Service cents/KWh	Medium General Service cents/KWh	Large General Service cents/KWh	Lighting cents/KWh
	Current Fuel and Fuel-Related Cost Factors (Approved Fuel Rider Docket No. E-2, Sub 1250)						
1	Approved Fuel and Fuel-Related Costs Factors	Input	2.080	2.126	2.228	2.204	1.392
2	EMF Increment / (Decrement)	Input	0.180	0.049	0.096	0.267	0.381
3	EMF Interest Decrement cents/kWh, if applicable	n/a	-	-	-	-	-
4	Approved Net Fuel and Fuel-Related Costs Factors	Sum	2.260	2.175	2.324	2.471	1.773
	Other Fuel and Fuel-Related Cost Factors						
5	NERC Capacity Factor of 93.18% with Projected Billing Period MWh Sales	Exh 2 Sch 3 pg 3	2.432	2.363	2.447	2.557	2.153
6	Proposed Nuclear Capacity Factor of 93.21% with Normalized Test Period MWh Sales	Exh 2 Sch 2 pg 3	2.365	2.285	2.399	2.529	2.034
	Proposed Fuel and Fuel-Related Cost Factors using Proposed Nuclear Capacity Factor of 93.21% with Projected Billing Period MWh Sales						
7	Fuel and Fuel-Related Costs excluding Purchased Capacity	Exh 2 Sch 1 pg 2	2.004	1.978	2.055	1.951	1.682
8	Renewable and Qualifying Facilities Purchased Power Capacity	Exh 2 Sch 1 pg 2	0.122	0.133	0.114	0.068	-
9	Total adjusted Fuel and Fuel-Related Costs Factors	Sum	2.126	2.111	2.169	2.019	1.682
10	EMF Increment/(Decrement)	Exh 2 Sch 1 pg 2	0.245	0.186	0.235	0.508	0.336
11	EMF Interest Decrement, if applicable	n/a	-	-	-	-	-
12	Proposed Net Fuel and Fuel-Related Costs Factors	Exh 2 Sch 1 pg 2	2.371	2.297	2.404	2.527	2.018

Note: The above rates do not include state regulatory fees.

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 93.21% with Projected Billing Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Line No.	Unit	Reference	Generation (MWh)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	C/A/10=B	C
1	Total Nuclear	Workpaper 3-4	29,337,015	0.5871	$ 172,223,158
2	Coal	Workpaper 3 - 4	7,518,351	2.7226	204,691,540
3	Gas - CT and CC	Workpaper 3 - 4	21,918,020	2.5023	548,461,501
4	Reagents & Byproducts	Workpaper 5	-		34,165,968
5	Total Fossil	Sum of Lines 2 - 4	29,436,371		787,319,008
6	Hydro	Workpaper 3	647,824		-
7	Net Pumped Storage		-		-
8	Total Hydro	Sum of Lines 6 - 7	647,824		-
9	Utility Owned Solar Generation	Workpaper 3	265,105		-
10	Total Generation	Line 1 + Line 5 + Line 8 + Line 9	59,686,315		959,542,167
11	Purchases	Workpaper 3 - 4	10,164,587		473,223,121
12	JDA Savings Shared	Workpaper 6	-		(16,262,245)
13	Total Purchases	Sum of Lines 11 - 12	10,164,587		456,960,876
14	Total Generation and Purchases	Line 10 + Line 13	69,850,902		1,416,503,043
15	Fuel expense recovered through intersystem sales	Workpaper 3 - 4	(5,577,243)		(118,111,645)
16	Line losses and Company use	Line 18 - Line 15 - Line 14	(2,310,113)		-
					-
17	System Fuel Expense for Fuel Factor	Line 14 + Line 15 + Line 16	-		$ 1,298,391,398
18	Projected System MWh Sales for Fuel Factor	Workpaper 3	61,963,546		61,963,546
19	Fuel and Fuel-Related Costs cents/kWh	Line 17 /Line 18 / 10			2.095

Note: Rounding differences may occur

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 93.21% with Projected Billing Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Line No.	Description		Residential	General Service Small	General Service Medium	General Service Large	Lighting	Total
	1	NC Retail Projected Billing Period MWh Sales	Workpaper 8	16,610,751	1,792,730	10,332,062	9,225,261	380,260	38,341,063
		Calculation of Renewable and Qualifying Facilities Purchased Power Capacity Rate by Class							Amount
	2	Renewable Purchased Power Capacity	Workpaper 4						$ 23,408,207
	3	Purchases from Qualifying Facilities Capacity	Workpaper 4						43,472,451
	4	Total of Renewable and Qualifying Facilities Purchased Power Capacity	Line 2 + Line 3						$ 66,880,658
	5	NC Portion - Jurisdictional % based on Production Plant Allocator	Workpaper 14						60.86%
	6	NC Renewable and Qualifying Facilities Purchased Power Capacity	Line 5 * Line 6						$ 40,706,612
	7	Production Plant Allocation Factors	Workpaper 14	49.74%	5.87%	28.87%	15.52%	0.00%	100.000%
	8	Renewable and Qualifying Facilities Purchased Power Capacity allocated on Production Plant %	Line 6 * Line 7	$ 20,247,836	$ 2,389,757	$ 11,752,681	$ 6,316,338	$ -	$ 40,706,612
	9	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1 / 10	0.122	0.133	0.114	0.068	-	0.106
		Summary of Total Rate by Class		**cents/KWh**	**cents/KWh**	**cents/KWh**	**cents/KWh**	**cents/KWh**	
REVISED	10	Fuel and Fuel-Related Costs excluding Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.004	1.978	2.055	1.951	1.682	
	11	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 9	0.122	0.133	0.114	0.068	-	
REVISED	12	Total adjusted Fuel and Fuel-Related Costs cents/kWh	Line 10 + Line 11	2.126	2.111	2.169	2.019	1.682	
REVISED	13	EMF Increment/(Decrement) cents/kWh	Exh 3 pg 2, 3, 4, 5, 6	0.245	0.186	0.235	0.508	0.336	
	14	EMF Interest Increment/(Decrement) cents/kWh	Exh 3 pg 2, 3, 4, 5, 6	-	-	-	-	-	
REVISED	15	Net Fuel and Fuel-Related Costs Factors cents/kWh	Exh 2 Sch 1 Page 3	2.371	2.297	2.404	2.527	2.018	

Note: Rounding differences may occur

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
Proposed Nuclear Capacity Factor of 93.21% with Projected Billing Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Revised Exhibit 2
Schedule 1
Page 3 of 3

OFFICIAL COPY

Aug 27 2021

	Line No.	Rate Class	NC Retail Projected Billing Period MWh Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease) cents/kwh	Current Total Fuel Rate (including renewables and EMF) E-2, Sub 1250 cents/kwh	Proposed Total Fuel Rate (including renewables and EMF) cents/kwh
			REVISED	REVISED	REVISED	REVISED		REVISED	
			A	B	C	D	E	F	G
			Workpaper 8	Workpaper 12	Line 27 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Exhibit 1, Line 4	E + F = G
	1	Residential	16,610,751	$ 1,778,932,451	$ 18,411,604	1.0%	0.111	2.260	2.371
	2	Small General Service	1,792,730	210,551,274	2,179,165	1.0%	0.122	2.175	2.297
	3	Medium General Service	10,332,062	794,800,218	8,226,027	1.0%	0.080	2.324	2.404
	4	Large General Service	9,225,261	496,696,701	5,140,714	1.0%	0.056	2.471	2.527
	5	Lighting	380,260	90,132,855	932,857	1.0%	0.245	1.773	2.018
	6	NC Retail	38,341,063	$ 3,371,113,499	$ 34,890,367				

		Total Proposed Composite Fuel Rate:		
	7	Adjusted System Total Fuel Costs	Workpaper 8	$ 1,299,142,062
	8	System Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2 Sch 1, Page 2	66,880,658
	9	Adjusted System Other Fuel Costs	Line 7 - Line 8	$ 1,232,261,405
	10	NC Retail Allocation % - sales at generation	Workpaper 11	62.22%
	11	NC Retail Other Fuel Costs	Line 9 * Line 10	$ 766,713,046
	12	NC Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2 Sch 1, Page 2	40,706,612
	13	NC Retail Total Fuel Costs before 2.5% Purchase Power Test	Line 11 + Line 12	$ 807,419,658
	14	NC Retail Reduction due to 2.5% Purchased Power Test	Workpaper 16	0
	15	NC Retail Total Fuel Costs	Line 13 + Line 14	$ 807,419,658
	16	NC Projected Billing Period MWh Sales	Line 6, col A	38,341,063
	17	Calculated Fuel Rate cents/kWh	Line 15 / Line 16 / 10	2.106
REVISED	18	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	0.298
	19	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	0.000
REVISED	20	Total Proposed Composite Fuel Rate	Sum of Lines 17-19	2.404
		Total Current Composite Fuel Rate - Docket E-2 Sub 1250:		
	21	Current composite Fuel Rate cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 17	2.142
	22	Current composite EMF Rate cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 18	0.171
	23	Current composite EMF Interest cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 19	0.000
	24	Total Current Composite Fuel Rate	Sum of Lines 21-23	2.313
REVISED	25	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	0.091
	26	NC Projected Billing Period MWh Sales	Line 6, col A	38,341,063
REVISED	27	Increase/(Decrease) in Fuel Costs	Line 25 * Line 26 * 10	$ 34,890,367

Notes:
Rounding differences may occur

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 93.21% with Normalized Test Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Line No.	Unit	Reference	Generation (MWh)	Unit Cost (cents/KWh)	Fuel Cost ($)
				A	C/A/10=B	C
	1	Total Nuclear	Workpaper 3-4	29,337,015	0.5871	$ 172,223,158
REVISED	2	Coal	Workpaper 15	7,131,497	2.7226	194,159,211
	3	Gas - CT and CC	Workpaper 3-4	21,918,020	2.5023	548,461,501
	4	Reagents & Byproducts	Workpaper 4	-		34,165,968
REVISED	5	Total Fossil	Sum of Lines 2 - 4	29,049,517		776,786,680
	6	Hydro	Workpaper 3	647,824		-
	7	Net Pumped Storage		-		-
	8	Total Hydro	Sum of Lines 6 - 7	647,824		-
	9	Utility Owned Solar Generation	Workpaper 3	265,105		-
REVISED	10	Total Generation	Line 1 + Line 5 + Line 8 + Line 9	59,299,461		949,009,838
	11	Purchases	Workpaper 3 - 4	10,164,587		473,223,121
REVISED	12	JDA Savings Shared	Workpaper 6	-		(16,262,245)
	13	Total Purchases	Sum of Lines 11 - 12	10,164,587		456,960,876
REVISED	14	Total Generation and Purchases	Line 10 + Line 13	69,464,048		1,405,970,714
	15	Fuel expense recovered through intersystem sales	Workpaper 3 - 4	(5,577,243)		(118,111,645)
REVISED	16	Line losses and Company use	Line 18 - Line 15 - Line 14	(2,295,698)		-
						-
REVISED	17	System Fuel Expense for Fuel Factor	Lines 14 + Line 15 + Line 16	-		$ 1,287,859,069
REVISED	18	Normalized Test Period MWh Sales for Fuel Factor	Exhibit 4	61,591,107		61,591,107
	19	Fuel and Fuel-Related Costs cents/kWh	Line 17 / Line 18 / 10			2.091

Note: Rounding differences may occur

Duke Energy Progress, LLC — **Revised Harrington Exhibit 2**
North Carolina Annual Fuel and Fuel-Related Expense — **Schedule 2**
Calculation of Fuel and Fuel Related Cost Factors Using: — **Page 2 of 3**
Proposed Nuclear Capacity Factor of 93.21% with Normalized Test Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Line No.	Description		Residential	REVISED General Service Small	REVISED General Service Medium	REVISED General Service Large	Lighting	REVISED Total
1	NC Retail Normalized Test Period MWh Sales	Workpaper 9	16,764,534	1,891,247	10,497,319	8,403,471	341,894	37,898,465
	Calculation of Renewable and Qualifying Facilities Purchased Power Capacity Rate by Class							Amount
2	Renewable Purchased Power Capacity	Workpaper 4						$ 23,408,207
3	Purchases from Qualifying Facilities Capacity	Workpaper 4						43,472,451
4	Total of Renewable and Qualifying Facilities Purchased Power Capacity	Line 2 + Line 3						$ 66,880,658
5	NC Portion - Jurisdictional % based on Production Plant Allocator	Workpaper 14						60.86%
6	NC Renewable and Qualifying Facilities Purchased Power Capacity	Line 5 * Line 6						$ 40,706,612
7	Production Plant Allocation Factors	Workpaper 14	49.74%	5.87%	28.87%	15.52%	0.00%	100.000%
8	Renewable and Qualifying Facilities Purchased Power Capacity allocated on Production Plant %	Line 6 * Line 7	$ 20,247,836	$ 2,389,757	$ 11,752,681	$ 6,316,338	$ -	$ 40,706,612
9	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1 / 10	0.121	0.126	0.112	0.075	-	0.107
	Summary of Total Rate by Class		**cents/KWh**	**cents/KWh**	**cents/KWh**	**cents/KWh**	**cents/KWh**	
REVISED 10	Fuel and Fuel-Related Costs excluding Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	1.999	1.973	2.052	1.946	1.698	
REVISED 11	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 9	0.121	0.126	0.112	0.075	-	
REVISED 12	Total adjusted Fuel and Fuel-Related Costs cents/kWh	Line 10 + Line 11	2.120	2.099	2.164	2.021	1.698	
REVISED 13	EMF Increment/(Decrement) cents/kWh	Exh 3 pg 2, 3, 4, 5, 6	0.245	0.186	0.235	0.508	0.336	
14	EMF Interest Increment/(Decrement) cents/kWh	Exh 3 pg 2, 3, 4, 5, 6	-	-	-	-	-	
REVISED 15	Net Fuel and Fuel-Related Costs Factors cents/kWh	Exh 2 Sch 2 Page 3	2.365	2.285	2.399	2.529	2.034	

Note: Rounding differences may occur

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
Proposed Nuclear Capacity Factor of 93.21% with Normalized Test Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Line No.	Rate Class	NC Retail Normalized Test Period MWh Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease) cents/kwh	Current Total Fuel Rate (including renewables and EMF) E-2, Sub 1250 cents/kwh	Proposed Total Fuel Rate (including renewables and EMF) cents/kwh
			REVISED	REVISED	REVISED	REVISED	REVISED		REVISED
			A	B	C	D	E	F	G
			Workpaper 9	Workpaper 12	Line 27 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Exhibit 1, Line 4	E + F = G
	1	Residential	16,764,534	$ 1,778,932,451	$ 17,599,097	1.0%	0.105	2.260	2.365
	2	Small General Service	1,891,247	210,551,274	2,082,998	1.0%	0.110	2.175	2.285
	3	Medium General Service	10,497,319	794,800,218	7,863,011	1.0%	0.075	2.324	2.399
	4	Large General Service	8,403,471	496,696,701	4,913,853	1.0%	0.058	2.471	2.529
	5	Lighting	341,894	90,132,855	891,690	1.0%	0.261	1.773	2.034
	6	NC Retail	37,898,465	$ 3,371,113,499	$ 33,350,650				

		Total Proposed Composite Fuel Rate:		
REVISED	7	Adjusted System Total Fuel Costs	Workpaper 9	$ 1,288,609,734
	8	System Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2 Sch 2, Page 2	66,880,658
REVISED	9	System Other Fuel Costs	Line 7 - Line 8	$ 1,221,729,076
	10	NC Retail Allocation % - sales at generation	Workpaper 11	61.89%
REVISED	11	NC Retail Other Fuel Costs	Line 9 * Line 10	$ 756,128,125
	12	NC Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2 Sch 2, Page 2	40,706,612
REVISED	13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 796,834,737
	14	NC Retail Reduction due to 2.5% Purchased Power Test	Workpaper 17	0
REVISED	15	NC Retail Total Fuel Costs	Line 13 + Line 14	$ 796,834,737
REVISED	16	Adjusted NC Normalized Test Period MWh Sales	Line 6, col A	37,898,465
	17	Calculated Fuel Rate cents/kWh	Line 15 / Line 16 /10	2.103
REVISED	18	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	0.298
	19	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	0.000
REVISED	20	Total Proposed Composite Fuel Rate	Sum of Lines 17-19	2.401
		Total Current Composite Fuel Rate - Docket E-2 Sub 1250:		
	21	Current composite Fuel Rate cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 17	2.142
	22	Current composite EMF Rate cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 18	0.171
	23	Current composite EMF Interest cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 19	0.000
	24	Total Current Composite Fuel Rate	Sum of Lines 21 - 23	2.313
REVISED	25	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	0.088
REVISED	26	Adjusted NC Normalized Test Period MWh Sales	Line 6, col A	37,898,465
REVISED	27	Increase/(Decrease) in Fuel Costs	Line 25 * Line 26 * 10	$ 33,350,650

Note: Rounding differences may occur

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel-Related Expense
Calculation of Fuel and Fuel-Related Cost Factors Using:
NERC Capacity Factor of 93.18% with Projected Billing Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Line No.	Unit	Reference	Generation (MWh)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	C/A/10=B	C
1	Total Nuclear	Workpaper 2	27,892,328	0.5871	$ 163,742,110
2	Coal	Workpaper 15	8,963,038	2.7226	244,024,009
3	Gas - CT and CC	Workpaper 3 - 4	21,918,020	2.5023	548,461,501
4	Reagents & Byproducts	Workpaper 5	-		34,165,968
5	Total Fossil	Sum of Lines 2 - 4	30,881,058		826,651,478
6	Hydro	Workpaper 3	647,824		-
7	Net Pumped Storage		-		-
8	Total Hydro	Sum of Lines 6 - 7	647,824		-
9	Utility Owned Solar Generation	Workpaper 3	265,105		-
10	Total Generation	Line 1 + Line 5 + Line 8 + Line 9	59,686,315		990,393,588
11	Purchases	Workpaper 3 - 4	10,164,587		473,223,121
12	JDA Savings Shared	Workpaper 6	-		(16,262,245)
13	Total Purchases	Sum of Lines 11- 12	10,164,587		456,960,876
14	Total Generation and Purchases	Line 10 + Line 13	69,850,902		1,447,354,464
15	Fuel expense recovered through intersystem sales	Workpaper 3 - 4	(5,577,243)		(118,111,645)
16	Line losses and Company use	Line 18 - Line 15 - Line 14	(2,310,113)		-
					-
17	System Fuel Expense for Fuel Factor	Line 14 + Line 15 + Line 16	-		$ 1,329,242,819
18	System MWh Sales for Fuel Factor	Workpaper 3	61,963,546		61,963,546
19	Fuel and Fuel-Related Costs cents/kWh	Line 17 / Line 18 / 10			2.145

Note: Rounding differences may occur

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel-Related Expense
Calculation of Fuel and Fuel-Related Cost Factors Using:
NERC Capacity Factor of 93.18% with Projected Billing Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Line No.	Description		Residential	General Service Small	General Service Medium	General Service Large	Lighting	Total
	1	NC Retail Projected Billing Period MWh Sales	Workpaper 8	16,610,751	1,792,730	10,332,062	9,225,261	380,260	38,341,063
		Calculation of Renewable and Qualifying Facilities Purchased Power Capacity Rate by Class							Amount
	2	Renewable Purchased Power Capacity	Workpaper 4						$ 23,408,207
	3	Purchases from Qualifying Facilities Capacity	Workpaper 4						43,472,451
	4	Total of Renewable and Qualifying Facilities Purchased Power Capacity	Line 2 + Line 3						$ 66,880,658
	5	NC Portion - Jurisdictional % based on Production Plant Allocator	Workpaper 14						60.86%
	6	NC Renewable and Qualifying Facilities Purchased Power Capacity	Line 5 * Line 6						$ 40,706,612
	7	Production Plant Allocation Factors	Workpaper 14	49.74%	5.87%	28.87%	15.52%	0.00%	100.000%
	8	Renewable and Qualifying Facilities Purchased Power Capacity allocated on Production Plant %	Line 6 * Line 7	$ 20,247,836	$ 2,389,757	$ 11,752,681	$ 6,316,338	$ -	$ 40,706,612
	9	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1 / 10	0.122	0.133	0.114	0.068	-	0.106
		Summary of Total Rate by Class		**cents/KWh**	**cents/KWh**	**cents/KWh**	**cents/KWh**	**cents/KWh**	
REVISED	10	Fuel and Fuel-Related Costs excluding Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.065	2.044	2.098	1.981	1.817	
	11	Renewable and Qualifying Facilities Purchased Power Capacity cents/kWh	Line 9	0.122	0.133	0.114	0.068	-	
REVISED	12	Total adjusted Fuel and Fuel-Related Costs cents/kWh	Line 10 + Line 11	2.187	2.177	2.212	2.049	1.817	
REVISED	13	EMF Increment/(Decrement) cents/kWh	Exh 3 pg 2, 3, 4, 5, 6	0.245	0.186	0.235	0.508	0.336	
	14	EMF Interest Increment/(Decrement) cents/kWh	Exh 3 pg 2, 3, 4, 5, 6	-	-	-	-	-	
REVISED	15	Net Fuel and Fuel-Related Costs Factors cents/kWh	Exh 2 Sch 3 Page 3	2.432	2.363	2.447	2.557	2.153	

Note: Rounding differences may occur

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
NERC Capacity Factor of 93.18% with Projected Billing Period MWh Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Revised Exhibit 2
Schedule 3
Page 3 of 3

Line No.	Rate Class	NC Retail Projected Billing Period MWh Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease) cents/kWh	Current Total Fuel Rate (including renewables and EMF) E-2, Sub 1250 cents/kwh	Proposed Total Fuel Rate (including renewables and EMF) cents /kwh
		REVISED	REVISED	REVISED	REVISED		REVISED	
		A	B	C	D	E	F	G
		Workpaper 8	Workpaper 12	Line 27 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Exhibit 1, Line 4	E + F = H
1	Residential	16,610,751	$ 1,778,932,451	$ 28,527,870	1.6%	0.172	2.260	2.432
2	Small General Service	1,792,730	210,551,274	3,376,508	1.6%	0.188	2.175	2.363
3	Medium General Service	10,332,062	794,800,218	12,745,823	1.6%	0.123	2.324	2.447
4	Large General Service	9,225,261	496,696,701	7,965,282	1.6%	0.086	2.471	2.557
5	Lighting	380,260	90,132,855	1,445,417	1.6%	0.380	1.773	2.153
6	NC Retail	38,341,063	$ 3,371,113,499	$ 54,060,899				

	Total Proposed Composite Fuel Rate:			
7	Adjusted System Total Fuel Costs	Workpaper 10	$	1,329,993,484
8	System Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2 Sch 3, Page 2		66,880,658
9	System Other Fuel Costs	Line 7 - Line 8	$	1,263,112,826
10	NC Retail Allocation % - sales at generation	Workpaper 11		62.22%
11	NC Retail Other Fuel Costs	Line 9 * Line 10	$	785,908,801
12	NC Renewable and Qualifying Facilities Purchased Power Capacity	Exhibit 2 Sch 3, Page 2		40,706,612
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$	826,615,412
14	NC Retail Reduction due to 2.5% Purchased Power Test	Workpaper 16		0
15	NC Retail Total Fuel Costs	Line 13 + Line 14	$	826,615,412
16	NC Projected Billing Period MWh Sales	Line 6, col A		38,341,063
17	Calculated Fuel Rate cents/kWh	Line 15 / Line 16 /10		2.156
REVISED 18	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1		0.298
19	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1		0.000
REVISED 20	Total Proposed Composite Fuel Rate	Sum of Lines 15-17		2.454
	Total Current Composite Fuel Rate - Docket E-2 Sub 1250:			
21	Current composite Fuel Rate cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 17		2.142
22	Current composite EMF Rate cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 18		0.171
23	Current composite EMF Interest cents/kWh	2020 Revised Harrington Exh 2, Sch 1, Pg 3, Ln 19		0.000
24	Total Current Composite Fuel Rate	Sum of Lines 21 - 23		2.313
REVISED 25	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24		0.141
26	NC Projected Billing Period MWh Sales	Line 6, col A		38,341,063
REVISED 27	Increase/(Decrease) in Fuel Costs	Line 25* Line 26 * 10	$	54,060,899

Note: Rounding differences may occur

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Proposed Composite Experience Modification Factor
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

	Line No.	Month	Fuel Cost Incurred ¢/ kWh (a)	Fuel Cost Billed ¢/ kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/Under Recovery (d)	Reported Adjustments (e)	Reported Adjusted (Over)/Under Recovery (f)
	1	April 2020 (Sub 1204)	2.030	2.301	2,545,361	$ (6,896,271)	-	$ (6,896,271)
	2	May	2.691	2.301	2,433,609	9,480,912	-	9,480,912
	3	June	2.505	2.306	2,914,205	5,783,430	-	5,783,430
	4	July	2.953	2.312	3,515,386	22,516,948	$ (176,566)	22,340,382
	5	August	2.667	2.313	3,795,408	13,453,204	-	13,453,204
	6	September	2.211	2.311	3,430,875	(3,443,181)	70,110	(3,373,071)
	7	October	1.881	2.300	2,730,391	(11,437,511)	-	(11,437,511)
	8	November	2.269	2.318	2,807,755	(1,375,991)	-	(1,375,991)
	9	December (New Rates - Sub 1250)	2.811	2.235	2,899,316	16,716,407	(757,380)	15,959,027
	10	January 2021	2.456	2.137	3,363,691	10,727,492	(25,476)	10,702,016
	11	February	2.554	2.136	3,381,318	14,138,429	-	14,138,429
	12	March	2.093	2.142	3,064,503	(1,514,744)	3,955,719	2,440,975
	13	Total Test Period *			36,881,818	$ 68,149,123	$ 3,066,407	$ 71,215,530
UPDATE	14	April *	2.213	2.149	2,792,969	1,806,864	-	1,806,864
UPDATE	15	May *	2.996	2.151	2,587,598	21,857,325	-	21,857,325
UPDATE	16	June **	2.637	2.148	2,973,987	14,562,419	$ (145,865)	14,416,554
REVISED	17	Booked 15-month (Over) / Under Recovery						$ 109,296,273
	18	Adjustment to exclude test period by-product net gain/loss accrued expense per Docket No. E-2 Sub 1204 Order						(1,490,401)
	19	Adjustment to include test period by-product net gain/loss cash payments per Docket No. E-2 Sub 1204 Order						5,254,561
REVISED	20	Total Adjusted (Over) / Under Recovery Request						$ 113,060,434
REVISED	21	Normalized Test Period MWh Sales	Exhibit 4					37,898,465
REVISED	22	Experience Modification Increment / (Decrement) cents/KWh						0.298

Notes:
Totals may not foot due to rounding.
UPDATE * Test Period sales do not reflect 10,063 LGS MWh sales. April 2021 sales do not reflect 1,194 LGS MWh sales. May 2021 sales do not reflect 1,036 LGS MWh sales.
UPDATE ** Reported adjustment in June 2021 corrects EMF for under-reported June 2020 - May 2021 LGS sales.

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Residential
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

	Line No.	Month	Fuel Cost Incurred ¢/ kWh (a)	Fuel Cost Billed ¢/ kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/Under Recovery (d)	Reported Adjustments (e)	Reported Adjusted (Over)/Under Recovery (f)
	1	April 2020 (Sub 1204)	2.157	2.326	1,035,556	$ (1,754,749)		$ (1,754,749)
	2	May	2.910	2.326	973,663	5,684,146		5,684,146
	3	June	2.560	2.326	1,229,087	2,880,119		2,880,119
	4	July	2.823	2.326	1,591,426	7,917,186	$ (268,437)	7,648,749
	5	August	2.523	2.326	1,731,091	3,409,038		3,409,038
	6	September	2.216	2.326	1,477,145	(1,629,734)	29,993	(1,599,741)
	7	October	2.218	2.326	999,660	(1,082,331)		(1,082,331)
	8	November	2.805	2.326	974,858	4,671,908		4,671,908
	9	December (New Rates - Sub 1250)	2.330	2.246	1,449,087	1,216,889	(303,301)	913,587
	10	January 2021	1.999	2.085	1,710,979	(1,459,013)	(1,910)	(1,460,924)
	11	February	2.074	2.080	1,721,621	(102,840)		(102,840)
	12	March	1.895	2.080	1,402,837	(2,596,107)	1,714,772	(881,335)
	13	Total Test Period			16,297,009	$ 17,154,511	$ 1,171,116	$ 18,325,627
UPDATE	14	April	2.275	2.080	1,133,167	2,212,855		2,212,855
UPDATE	15	May	3.282	2.080	985,317	11,844,369		11,844,369
UPDATE	16	June	2.623	2.080	1,243,074	6,749,069	$ 47,988	6,797,057
REVISED	17	Booked 15-month (Over) / Under Recovery						$ 39,179,908
	18	Adjustment to exclude test period by-product net gain/loss accrued expense per Docket No. E-2 Sub 1204 Order						(758,847)
	19	Adjustment to include test period by-product net gain/loss cash payments per Docket No. E-2 Sub 1204 Order						2,675,395
REVISED	20	Total Adjusted (Over) / Under Recovery Request						$ 41,096,455
REVISED	21	Normalized Test Period MWh Sales	Exhibit 4					16,764,534
REVISED	22	Experience Modification Increment (Decrement) cents/KWh						0.245

Notes:
Totals may not foot due to rounding.

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Small General Service
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

	Line No.	Month	Fuel Cost Incurred ¢/ kWh (a)	Fuel Cost Billed ¢/ kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/Under Recovery (d)	Reported Adjustments (e)	Reported Adjusted (Over)/Under Recovery (f)
	1	April 2020 (Sub 1204)	2.312	2.499	115,292	$ (215,689)		$ (215,689)
	2	May	3.079	2.499	109,854	637,579		637,579
	3	June	2.701	2.499	138,935	281,246		281,246
	4	July	3.075	2.499	176,311	1,015,020	$ 23,319	1,038,339
	5	August	2.719	2.499	193,028	425,510		425,510
	6	September	2.169	2.499	181,374	(597,971)	3,569	(594,402)
	7	October	2.051	2.499	129,986	(582,950)		(582,950)
	8	November	2.646	2.499	123,484	181,028		181,028
	9	December (New Rates - Sub 1250)	2.495	2.388	152,191	162,469	(25,932)	136,538
	10	January 2021	2.307	2.136	166,543	284,674	(220)	284,454
	11	February	2.423	2.126	165,183	490,274		490,274
	12	March	1.981	2.126	150,974	(218,705)	192,553	(26,152)
	13	Total Test Period			1,803,155	$ 1,862,486	$ 193,289	$ 2,055,775
UPDATE	14	April	2.095	2.126	137,824	(43,406)		(43,406)
UPDATE	15	May	2.839	2.126	127,536	909,564		909,564
UPDATE	16	June	2.389	2.126	152,627	401,726	$ 5,493	407,219
REVISED	17	Booked 15-month (Over) / Under Recovery						$ 3,329,151
	18	Adjustment to exclude test period by-product net gain/loss accrued expense per Docket No. E-2 Sub 1204 Order						(72,809)
	19	Adjustment to include test period by-product net gain/loss cash payments per Docket No. E-2 Sub 1204 Order						256,695
REVISED	20	Total Adjusted (Over) / Under Recovery Request						$ 3,513,037
REVISED	21	Normalized Test Period MWh Sales	Exhibit 4					1,891,247
REVISED	22	Experience Modification Increment (Decrement) cents/KWh						0.186

Notes:
Totals may not foot due to rounding.

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Medium General Service
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

	Line No.	Month	Fuel Cost Incurred ¢/ kWh (a)	Fuel Cost Billed ¢/ kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/Under Recovery (d)	Reported Adjustments (e)	Reported Adjusted (Over)/Under Recovery (f)
	1	April 2020 (Sub 1204)	2.076	2.456	725,689	$ (2,758,925)		$ (2,758,925)
	2	May	2.712	2.456	703,590	1,801,471		1,801,471
	3	June	2.560	2.456	831,511	864,855		864,855
	4	July	3.106	2.456	976,618	6,347,235	$ 70,747	6,417,982
	5	August	2.832	2.456	1,044,407	3,924,048		3,924,048
	6	September	2.259	2.456	980,943	(1,932,949)	20,479	(1,912,470)
	7	October	1.785	2.456	841,000	(5,646,134)		(5,646,134)
	8	November	1.795	2.456	1,037,103	(6,859,713)		(6,859,713)
	9	December (New Rates - Sub 1250)	4.024	2.365	572,974	9,502,136	(67,216)	9,434,920
	10	January 2021	2.895	2.235	807,302	5,324,375	(1,176)	5,323,199
	11	February	2.966	2.228	823,418	6,073,098		6,073,098
	12	March	2.236	2.228	811,503	61,221	1,113,083	1,174,304
	13	Total Test Period			10,156,058	$ 16,700,718	$ 1,135,917	$ 17,836,634
UPDATE	14	April	2.125	2.228	822,997	(849,442)		(849,442)
UPDATE	15	May	2.782	2.228	788,212	4,369,225		4,369,225
UPDATE	16	June	2.490	2.228	890,739	2,333,200	$ 32,806	2,366,006
REVISED	17	Booked 15-month (Over) / Under Recovery						$ 23,722,423
	18	Adjustment to exclude test period by-product net gain/loss accrued expense per Docket No. E-2 Sub 1204 Order						(362,942)
	19	Adjustment to include test period by-product net gain/loss cash payments per Docket No. E-2 Sub 1204 Order						1,279,590
REVISED	20	Total Adjusted (Over) / Under Recovery Request						$ 24,639,071
REVISED	21	Normalized Test Period MWh Sales	Exhibit 4					10,497,319
REVISED	22	Experience Modification Increment (Decrement) cents/KWh						0.235

Notes:
Totals may not foot due to rounding.

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Large General Service
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

	Line No.	Month	Fuel Cost Incurred ¢/ kWh (a)	Fuel Cost Billed ¢/ kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/Under Recovery (d)	Reported Adjustments (e)	Reported Adjusted (Over)/Under Recovery (f)
	1	April 2020 (Sub 1204)	1.738	2.054	640,188	$ (2,025,940)		$ (2,025,940)
	2	May	2.276	2.054	617,957	1,370,134		1,370,134
	3	June	2.299	2.054	686,100	1,682,181		1,682,181
	4	July	2.985	2.054	742,526	6,912,989	$ (1,352)	6,911,637
	5	August	2.726	2.054	798,469	5,364,432		5,364,432
	6	September	2.136	2.054	763,017	628,802	15,354	644,156
	7	October	1.510	2.054	731,277	(3,981,070)		(3,981,070)
	8	November	2.148	2.054	645,055	603,126		603,126
	9	December (New Rates - Sub 1250)	2.924	2.079	695,658	5,879,172	(353,131)	5,526,042
	10	January 2021	3.170	2.186	651,734	6,415,862	(23,424)	6,392,439
	11	February	3.370	2.204	642,842	7,494,221		7,494,221
	12	March	2.387	2.204	669,752	1,227,378	897,891	2,125,269
	13	Total Test Period *			8,284,574	$ 31,571,288	$ 535,339	$ 32,106,627
UPDATE	14	April *	2.276	2.204	670,687	483,814		483,814
UPDATE	15	May *	2.907	2.204	658,316	4,629,597		4,629,597
UPDATE	16	June **	2.956	2.204	659,328	4,959,117	$ (233,121)	4,725,997
REVISED	17	Booked 15-month (Over) / Under Recovery						$ 41,946,034
	18	Adjustment to exclude test period by-product net gain/loss accrued expense per Docket No. E-2 Sub 1204 Order						(283,349)
	19	Adjustment to include test period by-product net gain/loss cash payments per Docket No. E-2 Sub 1204 Order						998,975
REVISED	20	Total Adjusted (Over) / Under Recovery Request						$ 42,661,660
REVISED	21	Normalized Test Period MWh Sales	Exhibit 4					8,403,471
REVISED	22	Experience Modification Increment (Decrement) cents/KWh						0.508

Notes:
Totals may not foot due to rounding.
UPDATE * Test Period sales do not reflect 10,063 LGS MWh sales. April 2021 sales do not reflect 1,194 LGS MWh sales. May 2021 sales do not reflect 1,036 LGS MWh sales.
UPDATE ** Reported adjustment in June 2021 corrects EMF for under-reported June 2020 - May 2021 LGS sales.

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Lighting
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

	Line No.	Month	Fuel Cost Incurred ¢/ kWh (a)	Fuel Cost Billed ¢/ kWh (b)	NC Retail MWh Sales (c)	Reported (Over)/Under Recovery (d)	Reported Adjustments (e)	Reported Adjusted (Over)/Under Recovery (f)
	1	April 2020 (Sub 1204)	1.725	2.217	28,635	$ (140,968)		$ (140,968)
	2	May	2.174	2.217	28,546	(12,418)		(12,418)
	3	June	2.480	2.217	28,572	75,029		75,029
	4	July	3.355	2.217	28,506	324,518	$ (843)	323,675
	5	August	3.379	2.217	28,413	330,176		330,176
	6	September	2.529	2.217	28,396	88,671	715	89,386
	7	October	1.708	2.217	28,469	(145,026)		(145,026)
	8	November	2.318	2.217	27,254	27,660		27,660
	9	December (New Rates - Sub 1250)	1.826	1.977	29,406	(44,260)	(7,801)	(52,060)
	10	January 2021	2.017	1.421	27,134	161,594	1,254	162,848
	11	February	2.042	1.392	28,255	183,676		183,676
	12	March	1.431	1.392	29,436	11,469	37,421	48,889
	13	Total Test Period			341,023	$ 860,120	$ 30,746	$ 890,867
UPDATE	14	April	1.403	1.392	28,294	3,043		3,043
UPDATE	15	May	1.763	1.392	28,216	104,570		104,570
UPDATE	16	June	1.815	1.392	28,218	119,307	$ 969	120,276
REVISED	17	Booked 15-month (Over) / Under Recovery						$ 1,118,755
	18	Adjustment to exclude test period by-product net gain/loss accrued expense per Docket No. E-2 Sub 1204 Order						(12,454)
	19	Adjustment to include test period by-product net gain/loss cash payments per Docket No. E-2 Sub 1204 Order						43,908
REVISED	20	Total Adjusted (Over) / Under Recovery Request						$ 1,150,209
REVISED	21	Normalized Test Period MWh Sales	Exhibit 4					341,894
REVISED	22	Experience Modification Increment (Decrement) cents/KWh						0.336

Notes:
Totals may not foot due to rounding.

Duke Energy Progress, LLC **Revised Harrington Exhibit 4**
North Carolina Annual Fuel and Fuel-Related Expense
Normalized Test Period MWh Sales, Fuel and Fuel-Related Revenue, Fuel and Fuel-Related Expense, and System Peak
Twelve Months Ended March 31, 2021
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Line No.	Description	Reference	Total Company	North Carolina Retail	North Carolina Residential	North Carolina Small General Service	North Carolina Medium General Service	North Carolina Large General Service	North Carolina Lighting
				REVISED	REVISED		REVISED	REVISED	REVISED	
REVISED	1	Test Period MWh Sales	Workpaper 9	59,917,347	36,891,881	16,297,009	1,803,155	10,156,058	8,294,636	341,023
REVISED	2	Weather MWh Adjustment	Workpaper 9	1,397,485	857,395	333,221	70,640	347,747	105,787	0
	3	Customer Growth MWh Adjustment	Workpaper 9	276,275	149,190	134,304	17,453	(6,486)	3,047	871
REVISED	4	Total Normalized Test Period MWh Sales	Sum Lines 1-3	61,591,107	37,898,465	16,764,534	1,891,247	10,497,319	8,403,471	341,894
	5	Test Period Fuel and Fuel-Related Revenue *		$ 1,352,449,252	$ 832,575,319					
	6	Test Period Fuel and Fuel-Related Expense *		$ 1,472,904,739	$ 903,790,849					
	7	Test Period Unadjusted (Over)/Under Recovery	Line 5 - Line 6	$ 120,455,487	$ 71,215,530					

Line No.	Description	2020 Summer Coincidental Peak (CP) KW
8	Total System Peak	12,660,824
9	NC Retail	7,796,217
10	NC Residential Peak	3,877,909
11	NC Small General Service	457,691
12	NC Medium General Service	2,250,899
13	NC Large General Service	1,209,718

Notes:

* Total Company Fuel and Fuel-Related Revenue and Fuel and Fuel-Related Expense are quantifed based on NC Retail's known share of revenues and expenses grossed up to also include the percentage of sales not belonging to NC Retail.

Rounding differences may occur.

Duke Energy Progress, LLC **Harrington Exhibit 5**
North Carolina Annual Fuel and Fuel-Related Expense
Nuclear Capacity Ratings - MWs
Twelve Months Ended March 31, 2021
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Unit	Rate Case Docket E-2, Sub 1219	Fuel Docket E-2, Sub 1250	Proposed Capacity Rating MW
Brunswick 1	938	938	938
Brunswick 2	932	932	932
Harris 1	964	964	964
Robinson 2	741	759	759
Total Company	3,575	3,593	3,593

Duke Energy Progress, LLC
North Carolina Annual Fuel and Fuel-Related Expense
Monthly Fuel and Baseload Report for March 2021
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

Harrington Exhibit 6

March 2021
Monthly Fuel Filing and Baseload Report Cover Sheet

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Docket No. E-2, Sub 1270

Line No.	Fuel Expenses:	MARCH 2021	12 Months Ended MARCH 2021
1	Total Fuel and Fuel-Related Costs	$ 100,331,366	$ 1,464,236,335
	MWH sales:		
2	Total System Sales	5,029,404	65,887,927
3	Less intersystem sales	230,017	5,980,643
4	Total sales less intersystem sales	4,799,387	59,907,284
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.091	2.444
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4, Line 5a Total)	2.142	
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal	288,885	7,475,010
8	Oil	3,534	57,288
9	Natural Gas - Combustion Turbine	151,112	1,446,566
10	Natural Gas - Combined Cycle	1,405,302	19,656,637
11	Biogas	1,450	23,280
12	Total Fossil	1,850,284	28,658,781
13	Nuclear	2,137,964	29,445,201
14	Hydro - Conventional	95,428	919,344
15	Solar Distributed Generation	19,594	243,635
16	Total MWH generation	4,103,270	59,266,961

Notes: Detail amounts may not add to totals shown due to rounding.

Schedule 2

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Docket No. E-2, Sub 1270

Description	MARCH 2021	12 Months Ended MARCH 2021
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$ 11,337,777	$ 308,734,956
0501310 fuel oil consumed - steam	508,607	4,966,878
Total Steam Generation - Account 501	11,846,384	313,701,834
Nuclear Generation - Account 518		
0518100 burnup of owned fuel	12,487,630	172,857,049
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine	7,679,784	56,847,343
0547000 natural gas consumed - Combined Cycle	40,868,247	535,076,531
0547106 biogas consumed - Combined Cycle	63,807	980,368
0547200 fuel oil consumed	67,114	9,509,937
Total Other Generation - Account 547	48,678,952	602,414,179
Reagents		
Catalyst Depreciation	-	459,696
Reagents (lime, limestone, ammonia, urea, dibasic acid, and sorbents)	593,509	13,132,294
Total Reagents	593,509	13,591,990
By-products		
Net proceeds from sale of by-products	748,960	12,766,522
Total By-products	748,960	12,766,522
Total Fossil and Nuclear Fuel Expenses		
Included in Base Fuel Component	74,355,435	1,115,331,574
Purchased Power and Net Interchange - Account 555		
Capacity component of purchased power (PURPA)	1,867,502	41,783,442
Capacity component of purchased power (renewables)	2,216,422	39,960,001
Fuel and fuel-related component of purchased power	28,389,037	394,086,222
Total Purchased Power and Net Interchange - Account 555	32,472,961	475,829,665
Less:		
Fuel and fuel-related costs recovered through intersystem sales	6,497,020	126,708,912
Solar Integration Charge	10	(6,560)
Miscellaneous Fees Collected	-	222,552
Total Fuel Credits - Accounts 447/456	6,497,030	126,924,904
Total Fuel and Fuel-Related Costs	$ 100,331,366	$ 1,464,236,335

Notes:
Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SYSTEM REPORT - NORTH CAROLINA VIEW

Schedule 3, Purchases
Page 1 of 4

MARCH 2021

Purchased Power	Total	Capacity	Non-capacity			
Economic Purchases	**$**	**$**	**mWh**	**Fuel $**	**Fuel-related $**	**Not Fuel $ / Not Fuel-related $**
Broad River Energy, LLC	$ 3,365,900	$ 2,445,642	13,004	$ 500,072	$ 420,186	-
City of Fayetteville	865,467	708,500	755	133,913	23,054	-
DE Carolinas - Native Load Transfer	5,054,174	-	216,074	4,528,684	532,667	$ (7,177)
DE Carolinas - Native Load Transfer Benefit	1,372,518	-	-	1,372,518	-	-
DE Carolinas - Fees	807	-	-	-	807	-
Haywood EMC	28,000	28,000	-	-	-	-
NCEMC	3,184,724	2,761,898	9,649	406,921	15,905	-
PJM Interconnection, LLC	46,081	-	1,600	29,492	16,589	-
Southern Company Services	5,023,316	2,388,167	59,881	2,325,656	309,493	-
	$ 18,940,987	**$ 8,332,207**	**300,963**	**$ 9,297,256**	**$ 1,318,701**	**$ (7,177)**
Renewable Energy Purchases						
REPS	$ 10,963,881	-	160,155	-	$ 10,963,881	-
DERP Qualifying Facilities	60,015	-	1,321	-	57,879	$ 2,136
	$ 11,023,896	**-**	**161,476**	**-**	**$ 11,021,760**	**$ 2,136**
HB589 PURPA Purchases						
Other Qualifying Facilities	$ 10,179,006	-	179,195	-	$ 10,179,006	-
	$ 10,179,006	**-**	**179,195**	**-**	**$ 10,179,006**	**-**
Non-dispatchable Purchases						
DE Carolinas - Reliability	$ 1,052,684	-	26,702	$ 642,137	-	$ 410,547
Energy Imbalance	14,257	-	591	13,110	-	1,147
Generation Imbalance	1,087	-	70	991	-	96
	$ 1,068,028	**-**	**27,363**	**$ 656,238**	**-**	**$ 411,790**
Total Purchased Power	**$ 41,211,917**	**$ 8,332,207**	**668,997**	**$ 9,953,494**	**$ 22,519,467**	**$ 406,749**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SYSTEM REPORT - NORTH CAROLINA VIEW

MARCH 2021

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 1,026,299	$ 652,500	12,078	$ 280,411	$ 93,388
PJM Interconnection, LLC	224,005	-	13,150	236,314	(12,309)
Other:					
DE Carolinas - Native Load Transfer	5,324,959	-	204,764	5,065,194	259,765
DE Carolinas - Native Load Transfer Benefit	915,117	-	-	915,117	-
Generation Imbalance	(46)	-	25	(16)	(30)
Total Intersystem Sales	**$ 7,490,334**	**$ 652,500**	**230,017**	**$ 6,497,020**	**$ 340,814**

* Sales for resale other than native load priority.
NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SYSTEM REPORT - NORTH CAROLINA VIEW

Twelve Months Ended
MARCH 2021

Purchased Power	Total	Capacity	Non-capacity			
Economic Purchases	**$**	**$**	**mWh**	**Fuel $**	**Fuel-related $**	**Not Fuel $ Not Fuel-related $**
Broad River Energy, LLC	$ 63,649,052	$ 47,429,336	285,735	$ 9,342,861	$ 6,876,855	-
City of Fayetteville	12,929,286	12,682,500	2,372	223,732	23,054	-
DE Carolinas - Native Load Transfer	25,856,418	-	1,118,546	21,033,084	4,504,009	$ 319,324
DE Carolinas - Native Load Transfer Benefit	4,377,577	-	-	4,377,577	-	-
DE Carolinas - Fees	(390)	-	-	-	(390)	-
Haywood EMC	340,950	340,950	-	-	-	-
NCEMC	42,532,734	37,015,609	143,738	5,198,584	318,541	-
PJM Interconnection, LLC	141,409	-	5,400	81,332	60,077	-
Southern Company Services	55,853,341	21,551,558	1,164,832	29,489,715	4,812,067	-
	$ 205,680,377	**$ 119,019,953**	**2,720,623**	**$ 69,746,885**	**$ 16,594,213**	**$ 319,324**
Renewable Energy Purchases						
REPS	$ 191,980,665	-	2,759,382	-	$ 191,980,665	-
DERP Qualifying Facilities	1,196,506	-	29,224	-	1,139,891	$ 56,615
DERP Net Metering Excess Generation	24,958	$ 4,305	582	-	-	20,653
	$ 193,202,129	**$ 4,305**	**2,789,188**	**-**	**$ 193,120,556**	**$ 77,268**
HB589 PURPA Purchases						
Other Qualifying Facilities	$ 195,211,231	-	3,437,943	-	$ 195,211,231	-
CPRE - Purchased Power	(10,000)	-	-	-	-	$ (10,000)
	$ 195,201,231	**-**	**3,437,943**	**-**	**$ 195,211,231**	**(10,000)**
Non-dispatchable Purchases						
DE Carolinas - Emergency	$ 113,361	-	1,822	$ 69,150	-	$ 44,211
DE Carolinas - Reliability	1,570,324	-	41,282	957,897	-	612,427
Dominion Energy South Carolina - Emergency	(2,075)	-	-	(1,266)	-	(809)
Energy Imbalance	128,289	-	5,979	119,722	-	8,567
Generation Imbalance	15,435	-	828	11,277	-	4,158
	$ 1,825,334	**-**	**49,911**	**$ 1,156,780**	**-**	**$ 668,554**
Total Purchased Power	**$ 595,909,071**	**$ 119,024,258**	**8,997,665**	**$ 70,903,665**	**$ 404,926,000**	**$ 1,055,146**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SYSTEM REPORT - NORTH CAROLINA VIEW

Twelve Months Ended
MARCH 2021

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:					
DE Carolinas - As Available Capacity	$ 138,997	$ 138,997	-	-	-
DE Carolinas - Emergency	44,900	-	392	$ 27,389	$ 17,511
Market Based:					
NCEMC Purchase Power Agreement	11,280,318	7,830,000	112,127	2,380,641	1,069,677
PJM Interconnection, LLC	1,939,935	-	58,216	1,310,043	629,892
Other:					
DE Carolinas - Native Load Transfer	115,882,090	-	5,809,742	109,214,502	6,667,587
DE Carolinas - Native Load Transfer Benefit	13,776,190	-	-	13,776,190	-
Generation Imbalance	(790)	-	166	147	(936)
Total Intersystem Sales	**$ 143,061,640**	**$ 7,968,997**	**5,980,643**	**$ 126,708,912**	**$ 8,383,731**

* Sales for resale other than native load priority.
NOTE: Detail amounts may not add to totals shown due to rounding.

Schedule 4

DUKE ENERGY PROGRESS
(OVER) / UNDER RECOVERY OF FUEL COSTS
MARCH 2021

Line No.			Residential	Small General Service	Medium General Service	Large General Service	Lighting	Total
1	1a. System Retail kWh sales	Input						4,799,386,806
	1b. System kWh Sales at generation	Input						4,949,536,527
2	2a. DERP Net Metered kWh generation	Input						2,576,658
	2b. Line loss percentage from Cost of Service	Input Annually						3.334%
	2c. DERP Net Metered kWh at generation	L2a * (1 + 2b)						2,662,564
3	Adjusted System kWh sales	L1b + L2c						4,952,199,091
4	4a. N.C. Retail kWh sales	Input	1,402,837,404	150,973,929	811,503,264	669,751,854	29,436,338	3,064,502,789
	4b. Line loss percentage from Cost of Service	Input Annually	3.654%	3.654%	3.563%	2.988%	3.653%	
	4c. NC kWh Sales at generation	4a * (1+4b)	1,454,097,083	156,490,516	840,417,125	689,764,039	30,511,647	3,171,280,410
	4d. NC allocation % by customer class	Calculated	45.852%	4.935%	26.501%	21.750%	0.962%	
	4e. NC retail % of actual system total	L4c NC Total / L1b Total System						64.072%
	4f. NC retail % of adjusted system total	L4c NC Total / L3 Total System						64.038%
5	Approved fuel and fuel-related rates (¢/kWh)							
	5a Billed rates by class (¢/kWh)	Input Annually	2.080	2.126	2.228	2.204	1.392	2.142
	5b Billed fuel expense	L4a * L5a / 100	$29,179,018	$3,209,706	$18,080,293	$14,761,331	$409,754	$65,640,101
6	Incurred base fuel and fuel-related (less renewable purchased power capacity) rates by class (¢/kWh)							
	6a NC Docket E-2, Sub 1250 allocation factor	Input Annually	41.194%	4.593%	28.250%	25.280%	0.683%	100.00%
	6b System incurred expense	Input						$96,305,740
	6c NC incurred expense by class	L4f * L6a * L6b	$25,405,275	$2,832,607	$17,422,416	$15,590,750	$421,222	$61,672,270
	6d NC Incurred base fuel rates (¢/kWh)	L6c / L4a * 100	1.81099	1.87622	2.14693	2.32784	1.43096	2.01247
7	Incurred renewable purchased power capacity rates (¢/kWh)							
	7a NC retail production plant %	Input Annually						60.067%
	7b Production plant allocation factors	Input Annually	48.006%	6.457%	29.314%	16.223%	0.000%	100.00%
	7c System incurred expense	Input						$4,083,924
	7d NC incurred renewable capacity expense	L7a* L7b* L7c	$1,177,637	$158,393	$719,098	$397,959	$0	$2,453,087
	7e NC incurred rates by class	L7d / L4a * 100	0.08395	0.10491	0.08861	0.05942	-	0.08005
8	Total incurred rates by class (¢/kWh)	L6h + 7e	1.8949	1.9811	2.2355	2.3873	1.4310	
9	Difference in ¢/kWh (incurred - billed)	L8 - L5a	(0.18506)	(0.14486)	0.00754	0.18326	0.03896	
10	(Over) / under recovery [See footnote]	L9 * L4a / 100	**($2,596,107)**	**($218,705)**	**$61,221**	**$1,227,378**	**$11,468**	**($1,514,745)**
11	Adjustments	Input	$ 1,714,772	$ 192,553	$ 1,113,083	$ 897,891	$ 37,421	$ 3,955,719
12	Total (over) / under recovery [See footnote]	L10 + L11	**($881,335)**	**($26,152)**	**$1,174,304**	**$2,125,269**	**$48,889**	**$2,440,974**
13	Total System Incurred Expenses							$100,389,664
14	Less: Jurisdictional allocation adjustment	Input						58,297
15	Total Fuel and Fuel-related Costs per Schedule 2							$100,331,366

16 (Over) / under recovery for each month of the current test period [See footnote]

		(Over) / Under Recovery					
	Total To Date	Residential	Small General Service	Medium General Service	Large General Service	Lighting	Total Company
April 2020	($6,896,271)	($1,754,749)	($215,689)	($2,758,925)	($2,025,940)	($140,968)	($6,896,271)
May 2020	2,584,641	5,684,146	637,579	1,801,471	1,370,134	(12,418)	9,480,912
June 2020	8,368,071	2,880,119	281,246	864,855	1,682,181	75,029	5,783,430
July 2020	30,708,453	7,648,749	1,038,339	6,417,982	6,911,637	323,675	22,340,382
August 2020	44,161,657	3,409,038	425,510	3,924,048	5,364,432	330,176	13,453,204
September 2020	40,788,586	(1,599,741)	(594,402)	(1,912,470)	644,156	89,386	(3,373,071)
October 2020	29,351,075	(1,082,331)	(582,950)	(5,646,134)	(3,981,070)	(145,026)	(11,437,511)
November 2020	27,975,084	4,671,908	181,028	(6,859,713)	603,126	27,660	(1,375,991)
December 2020	43,934,111	913,587	136,538	9,434,920	5,526,042	(52,060)	15,959,027
January 2021	54,636,127	(1,460,924)	284,454	5,323,199	6,392,439	162,848	10,702,016
February 2021	68,774,556	(102,840)	490,274	6,073,098	7,494,221	183,676	14,138,429
March 2021	71,215,531	(881,335)	(26,152)	1,174,304	2,125,269	48,889	2,440,975
Total		**$18,325,627**	**$2,055,775**	**$17,836,635**	**$32,106,627**	**$890,867**	**$71,215,531**

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of (over)/under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts. Under collections, or regulatory assets, are shown as positive amounts.
_/1 Includes adjustments.

Duke Energy Progress
Fuel and Fuel Related Cost Report
MARCH 2021

Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased ($)							
Coal	$2,061,894	$15,532,843	-	-	-	-	-
Oil	170,537	480,943	$1,041,674	-	-	-	-
Gas - CC	-	-	8,943,847	$14,520,418	$12,723,449	$4,680,533	-
Gas - CT	-	-	296,206	4,364,668	190,727	-	-
Biogas	-	-	-	330,810	-	-	-
Total	$2,232,431	$16,013,786	$10,281,727	$19,215,896	$12,914,176	$4,680,533	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	353.09	249.47	-	-	-	-	-
Oil	1,369.34	1,412.21	2,025.30	-	-	-	-
Gas - CC	-	-	399.76	364.51	468.85	638.94	-
Gas - CT	-	-	470.43	390.40	1,298.70	-	-
Biogas	-	-	-	3,043.61	-	-	-
Weighted Average	374.31	255.79	401.70	375.87	473.32	638.94	-
Cost of Fuel Burned ($)							
Coal	-	$11,337,777	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	508,608	$829	-	-	-	-
Gas - CC	-	-	8,943,847	$14,520,418	$12,723,449	$4,680,533	-
Gas - CT	-	-	296,206	4,364,668	190,727	-	-
Biogas	-	-	-	330,810	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	$11,846,385	$9,240,882	$19,215,896	$12,914,176	$4,680,533	-
Average Cost of Fuel Burned (¢/MBTU)							
Coal	-	310.49	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	1,227.69	1,564.15	-	-	-	-
Gas - CC	-	-	399.76	364.51	468.85	638.94	-
Gas - CT	-	-	470.43	390.40	1,298.70	-	-
Biogas	-	-	-	3,043.61	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	320.78	401.73	375.87	473.32	638.94	-
Average Cost of Generation (¢/kWh)							
Coal	-	3.84	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	14.52	25.81	-	-	-	-
Gas - CC	-	-	2.58	2.51	3.39	4.46	-
Gas - CT	-	-	7.03	5.79	13.80	-	-
Biogas	-	-	-	22.82	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	-	3.96	2.64	2.93	3.43	4.46	-
Burned MBTU's							
Coal	-	3,651,542	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	41,428	53	-	-	-	-
Gas - CC	-	-	2,237,280	3,983,544	2,713,749	732,547	-
Gas - CT	-	-	62,965	1,117,990	14,686	-	-
Biogas	-	-	-	10,869	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	-	3,692,970	2,300,298	5,112,403	2,728,435	732,547	-
Net Generation (mWh)							
Coal	(6,496)	295,381	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	-	3,504	3	-	-	-	-
Gas - CC	-	-	345,991	578,866	375,526	104,919	-
Gas - CT	-	-	4,214	75,346	1,382	-	-
Biogas	-	-	-	1,450	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)							
Solar (Total System)							
Total	(6,496)	298,885	350,208	655,662	376,908	104,919	-
Cost of Reagents Consumed ($)							
Ammonia	$10,413	$71,325	-	$13,485	-	-	-
Limestone	-	359,201	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	1,510	137,575	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	$11,923	$568,101	-	$13,485	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Re-emission chemical reagent expense is not recoverable in NC.

Duke Energy Progress
Fuel and Fuel Related Cost Report
MARCH 2021

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME MARCH 2021
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$17,594,737	$242,667,570
Oil	-	-	-	-	-	-	1,693,154	5,983,107
Gas - CC	-	-	-	-	-	-	40,868,247	535,076,532
Gas - CT	$2,016	$2,826,153	$14	-	-	-	7,679,784	56,847,343
Biogas	-	-	-	-	-	-	330,810	4,653,130
Total	$2,016	$2,826,153	$14	-	-	-	$68,166,732	$845,227,682
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	258.35	367.13
Oil	-	-	-	-	-	-	1,728.71	1,299.29
Gas - CC	-	-	-	-	-	-	422.76	381.61
Gas - CT	380.38	353.86	-	-	-	-	384.98	331.67
Biogas	-	-	-	-	-	-	3,043.61	2,822.56
Weighted Average	380.38	353.86	-	-	-	-	366.86	377.22
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$11,337,777	$307,088,787
Oil - CC	-	-	-	-	-	-	-	227,065
Oil - Steam/CT	$35,200	$1,587	$29,498	-	-	-	575,722	14,249,752
Gas - CC	-	-	-	-	-	-	40,868,247	535,076,532
Gas - CT	2,016	2,826,153	14	-	-	-	7,679,784	56,847,343
Biogas	-	-	-	-	-	-	330,810	4,653,130
Nuclear	-	-	-	$4,839,760	$4,213,898	$3,433,972	12,487,630	172,857,049
Total	$37,216	$2,827,740	$29,512	$4,839,760	$4,213,898	$3,433,972	$73,279,970	$1,090,999,658
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	310.49	358.50
Oil - CC	-	-	-	-	-	-	-	1,522.90
Oil - Steam/CT	1,722.96	1,743.96	1,591.05	-	-	-	1,266.19	1,507.90
Gas - CC	-	-	-	-	-	-	422.76	381.61
Gas - CT	380.38	353.86	-	-	-	-	384.98	331.67
Biogas	-	-	-	-	-	-	3,043.61	2,822.56
Nuclear	-	-	-	56.86	56.40	57.90	56.99	56.42
Weighted Average	1,446.40	354.01	1,591.80	56.86	56.40	57.90	196.55	198.17
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.92	4.11
Oil - CC	-	-	-	-	-	-	-	14.55
Oil - Steam/CT	969.43	19.96	184.36	-	-	-	16.29	25.57
Gas - CC	-	-	-	-	-	-	2.91	2.72
Gas - CT	-	4.03	-	-	-	-	5.08	3.93
Biogas	-	-	-	-	-	-	22.82	19.99
Nuclear	-	-	-	0.59	0.57	0.59	0.58	0.59
Weighted Average	-	4.03	184.45	0.59	0.57	0.59	1.79	1.84
Burned MBTU's								
Coal	-	-	-	-	-	-	3,651,542	85,659,068
Oil - CC	-	-	-	-	-	-	-	14,910
Oil - Steam/CT	2,043	91	1,854	-	-	-	45,469	945,007
Gas - CC	-	-	-	-	-	-	9,667,120	140,214,736
Gas - CT	530	798,674	-	-	-	-	1,994,845	17,139,676
Biogas	-	-	-	-	-	-	10,869	164,855
Nuclear	-	-	-	8,511,141	7,471,339	5,930,357	21,912,837	306,385,599
Total	2,573	798,765	1,854	8,511,141	7,471,339	5,930,357	37,282,682	550,523,851
Net Generation (mWh)								
Coal	-	-	-	-	-	-	288,885	7,475,010
Oil - CC	-	-	-	-	-	-	-	1,561
Oil - Steam/CT	4	8	16	-	-	-	3,534	55,727
Gas - CC	-	-	-	-	-	-	1,405,302	19,656,637
Gas - CT	(21)	70,191	-	-	-	-	151,112	1,446,566
Biogas	-	-	-	-	-	-	1,450	23,280
Nuclear	-	-	-	815,304	740,789	581,871	2,137,964	29,445,201
Hydro (Total System)							95,428	919,344
Solar (Total System)							19,594	243,635
Total	(17)	70,199	16	815,304	740,789	581,871	4,103,270	59,266,961
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$95,223	$1,821,659
Limestone	-	-	-	-	-	-	359,201	7,735,380
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	-	-	139,085	3,204,887
Urea	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	$593,509	$12,761,926

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
MARCH 2021

Schedule 6
Page 1 of 2

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	278,734	691,677	-	-	-	-	-
Tons received during period	24,237	246,531	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	-	145,272	-	-	-	-	-
Ending balance	302,971	792,936	-	-	-	-	-
MBTUs per ton burned	-	25.14	-	-	-	-	-
Cost of ending inventory ($/ton)	85.10	78.02	-	-	-	-	-
Oil Data:							
Beginning balance	215,268	405,193	4,105,852	6,659,501	2,450,460	-	723,104
Gallons received during period	90,248	246,781	372,704	-	-	-	-
Miscellaneous use and adjustments	(3,801)	(7,517)	-	-	-	-	-
Gallons burned during period	-	301,964	385	-	-	-	-
Ending balance	301,715	342,493	4,478,171	6,659,501	2,450,460	-	723,104
Cost of ending inventory ($/gal)	1.73	1.68	2.15	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	2,229,642	4,952,919	2,637,398	707,132	-
MCF burned during period	-	-	2,229,642	4,952,919	2,637,398	707,132	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	10,507	-	-	-
MCF burned during period	-	-	-	10,507	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	19,554	65,526		-	-		-
Tons received during period	1,184	14,190		-	-		-
Inventory adjustments	-	-		-	-		-
Tons consumed during period	-	7,485		-	-		-
Ending balance	20,738	72,231		-	-		-
Cost of ending inventory ($/ton)	37.24	44.95		-	-		-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
MARCH 2021

Schedule 6
Page 2 of 2

Description	Darlington	Wayne County	Weatherspoon	Brunswick	Harris	Robinson	Current Month	Total 12 ME March 2021
Coal Data:								
Beginning balance	-	-	-	-	-	-	970,411	1,756,444
Tons received during period	-	-	-	-	-	-	270,768	2,629,013
Inventory adjustments	-	-	-	-	-	-	-	132,593
Tons burned during period	-	-	-	-	-	-	145,272	3,422,143
Ending balance	-	-	-	-	-	-	1,095,907	1,095,907
MBTUs per ton burned	-	-	-	-	-	-	25.14	25.03
Cost of ending inventory ($/ton)	-	-	-	-	-	-	79.98	79.98
Oil Data:								
Beginning balance	9,877,836	9,631,997	470,014	117,269	250,015	14,794	34,921,303	39,159,009
Gallons received during period	-	-	-	-	-	-	709,733	3,336,887
Miscellaneous use and adjustments	-	-	-	-	-	-	(11,318)	(141,133)
Gallons burned during period	14,709	661	13,249	-	-	-	330,968	7,066,013
Ending balance	9,863,127	9,631,336	456,765	117,269	250,015	14,794	35,288,750	35,288,750
Cost of ending inventory ($/gal)	2.39	2.40	2.23	2.31	2.31	2.31	2.36	2.36
Natural Gas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	516	772,390	-	-	-	-	11,299,997	152,259,346
MCF burned during period	516	772,390	-	-	-	-	11,299,997	152,259,346
Ending balance	-	-	-	-	-	-	-	-
Biogas Data:								
Beginning balance	-	-	-	-	-	-	-	-
MCF received during period	-	-	-	-	-	-	10,507	159,548
MCF burned during period	-	-	-	-	-	-	10,507	159,548
Ending balance	-	-	-	-	-	-	-	-
Limestone/Lime Data:								
Beginning balance	-	-	-	-	-	-	85,080	136,055
Tons received during period	-	-	-	-	-	-	15,374	124,598
Inventory adjustments	-	-	-	-	-	-	-	7,807
Tons consumed during period	-	-	-	-	-	-	7,485	175,491
Ending balance	-	-	-	-	-	-	92,969	92,969
Cost of ending inventory ($/ton)	-	-	-	-	-	-	43.23	43.23

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

MARCH 2021

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	-	-
	CONTRACT	24,237	$ 1,791,177	73.90
	FIXED TRANSPORTATION/ADJUSTMENTS	-	270,717	-
	TOTAL	24,237	$ 2,061,894	85.07
ROXBORO	SPOT	49,040	$ 2,481,882	$ 50.61
	CONTRACT	197,491	12,396,010	62.77
	FIXED TRANSPORTATION/ADJUSTMENTS	-	654,951	-
	TOTAL	246,531	$ 15,532,843	$ 63.01
ALL PLANTS	SPOT	49,040	$ 2,481,882	$ 50.61
	CONTRACT	221,728	14,187,187	63.98
	FIXED TRANSPORTATION/ADJUSTMENTS	-	925,668	-
	TOTAL	270,768	$ 17,594,737	$ 64.98

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

MARCH 2021

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	9.18	9.76	12,047	1.91
ROXBORO	6.96	9.27	12,628	1.83

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

MARCH 2021

	ASHEVILLE CC	MAYO	ROXBORO
VENDOR	Indigo and Charlotte Tank Farm	Greensboro Tank Farm	Indigo and Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	372,704	90,248	246,781
TOTAL DELIVERED COST	$ 1,041,674	$ 170,537	$ 480,943
DELIVERED COST/GALLON	$ 2.79	$ 1.89	$ 1.95
BTU/GALLON	138,000	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2020 - March, 2021
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,603,327	938	92.53	90.59
Brunswick 2	7,431,921	932	91.03	91.20
Harris 1	8,310,706	964	98.41	96.36
Robinson 2	6,099,247	759	91.73	90.54

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2020 through March, 2021
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	979,160	225	49.68	67.24
Lee Energy Complex	1B	837,672	227	42.13	58.64
Lee Energy Complex	1C	1,055,170	228	52.83	70.84
Lee Energy Complex	ST1	1,977,757	379	59.57	80.21
Lee Energy Complex	Block Total	4,849,759	1,059	52.28	70.81
Smith Energy Complex	7	922,894	194	54.37	76.44
Smith Energy Complex	8	905,445	194	53.35	75.54
Smith Energy Complex	ST4	1,061,249	183	66.38	83.06
Smith Energy Complex	9	1,392,331	216	73.67	87.72
Smith Energy Complex	10	1,407,174	216	74.45	87.67
Smith Energy Complex	ST5	1,812,581	249	83.10	98.31
Smith Energy Complex	Block Total	7,501,674	1,251	68.48	85.50
Sutton Energy Complex	1A	1,220,734	224	62.21	77.94
Sutton Energy Complex	1B	1,230,177	224	62.69	78.25
Sutton Energy Complex	ST1	1,523,507	271	64.18	88.39
Sutton Energy Complex	Block Total	3,974,418	719	63.10	81.98
Asheville CC	ACC CT5	1,094,763	191	65.61	78.56
Asheville CC	ACC CT7	1,175,222	191	70.43	77.52
Asheville CC	ACC ST6	526,336	90	66.76	71.38
Asheville CC	ACC ST8	559,307	90	70.94	76.08
Asheville CC	Block Total	3,355,628	561	68.28	76.68

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2020 through March, 2021

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,089,938	738	16.86	43.59
Roxboro 2	2,161,855	673	36.67	65.87
Roxboro 3	2,082,153	698	34.05	72.50
Roxboro 4	1,311,211	711	21.05	56.49

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2020 through March, 2021
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Roxboro 1	841,199	380	25.27	77.41

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2020 through March, 2021
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	130,643	351	92.03
Blewett CT	-205	68	86.03
Darlington CT	1,934	266	87.36
Smith Energy Complex CT	1,065,170	941	86.70
Sutton Fast Start CT	37,702	98	96.69
Wayne County CT	255,594	962	94.53
Weatherspoon CT	110	164	98.89

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
April, 2020 through March, 2021
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	65,541	27.0	35.35
Marshall	-228	4.0	41.96
Tillery	329,014	84.3	92.07
Walters	525,016	113.0	63.45

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant Performance Review Plan

Period: March, 2021

Station	Unit	Date of Outage	Duration of Outage	Scheduled / Unscheduled	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
Brunswick	1	None					
	2	03/05/2021 - 04/01/2021	625.65	Scheduled	B2R25 Refueling Outage.	Scheduled B2R25 refuelling outage.	None
Harris	1	None					
Robinson	2	None					

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

DEP Asheville CC

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
ACC CT7	3/1/2021 4:53:00 AM To 3/1/2021 8:00:00 AM	Unsch	5299	Other Gas Turbine Problems	Water Wash drain valve failed and is blowing through during startup. Unit shut down.	
ACC CT7	3/1/2021 9:17:00 PM To 3/2/2021 4:39:00 PM	Unsch	5108	Gas Turbine - High Engine Exhaust Temperature	High Exhaust Thermocouple trip.	
ACC ST8	3/1/2021 9:17:00 PM To 3/2/2021 4:39:00 PM	Sch	5109	Other Gas Turbine Exhaust Problems	High exhaust thermocouple temperatures tripped gas turbine.	

Lee Energy Complex

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
1A	3/10/2021 10:54:00 AM To 4/1/2021 12:00:00 AM	Sch	5082	Gas Turbine - High Pressure Blades/buckets	GMS Outage for Turbine Major.	
1B	1/9/2021 6:57:00 AM To 4/7/2021 5:51:00 PM	Unsch	5285	Gas Turbine Vibration	01B tripped after turbine/generator vibration and subsequent damage.	
1C	3/6/2021 1:44:00 AM To 4/1/2021 12:00:00 AM	Sch	5082	Gas Turbine - High Pressure Blades/buckets	GMS Outage for CT Major.	
ST1	3/10/2021 10:13:00 AM To 4/1/2021 12:00:00 AM	Sch	4261	Turbine Control Valves	GMS outage for valve replacement and other work.	

Mayo Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
1	2/27/2021 12:02:00 AM To 3/13/2021 12:00:00 AM	Sch	3611	Switchyard Circuit Breakers	Planned outage for switch yard work by Transmission.	
1	3/13/2021 12:00:00 AM To 3/27/2021 12:00:00 AM	Sch	0105	Bunker Structures	Outage extended to repair surge bin chutes.	
1	3/27/2021 12:00:00 AM To 4/1/2021 12:00:00 AM	Sch	3619	Other Switchyard Equipment	Switch yard work being performed by Transmission.	

Roxboro Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
3	2/21/2021 7:42:00 PM To 3/3/2021 3:00:00 PM	Sch	8816	SCR Plugging	Clean 3A & 3B SCRs.	
4	3/7/2021 4:26:00 PM To 3/12/2021 5:00:00 PM	Unsch	1050	Second Superheater Leaks	Tube leaks in both boilers.	
4	3/12/2021 5:00:00 PM To 3/18/2021 1:00:00 PM	Sch	1470	Induced Draft Fan Motors and Drives	4B1 Induced Draft fan repairs.	
4	3/27/2021 12:00:00 AM To 4/1/2021 12:00:00 AM	Sch	1800	Major Boiler Overhaul (720 Hours or Longer)	Planned outage.	

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

Smith Energy Complex

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
7	3/6/2021 1:16:00 AM To 3/14/2021 10:07:00 PM	Sch	5035	Compressor Washing	Power Block 4 Spring GMS outage.	
7	3/26/2021 5:55:00 AM To 3/26/2021 12:43:00 PM	Unsch	9020	Lightning	PB4 tripped due to lightning.	
8	3/1/2021 5:14:00 AM To 3/1/2021 9:12:00 AM	Unsch	5299	Other Gas Turbine Problems	High Haz Gas trip due to leaking packing on gas control valves.	
8	3/6/2021 1:16:00 AM To 3/14/2021 8:55:00 PM	Sch	5035	Compressor Washing	Power Block 4 Spring GMS outage.	
8	3/15/2021 1:30:00 PM To 3/15/2021 8:20:00 PM	Unsch	0590	Desuperheater/Attemperator Valves	Air solenoid failed to ReHeat attempt spray water Automtatic Block Valve.	
8	3/26/2021 5:55:00 AM To 3/26/2021 1:04:00 PM	Unsch	9020	Lightning	PB4 tripped due to lightning.	
ST4	3/6/2021 12:24:00 AM To 3/15/2021 1:20:00 AM	Sch	5035	Compressor Washing	Power Block 4 Spring GMS outage.	
ST4	3/26/2021 5:55:00 AM To 3/26/2021 2:21:00 PM	Unsch	9020	Lightning	PB4 tripped due to lightning.	
9	3/2/2021 5:01:00 AM To 3/4/2021 4:29:00 PM	Unsch	5075	Blade Path Temperature Spread	Unit removed from service due to low load demand. High Blade Path Spreads tripped the unit on startup.	
9	3/4/2021 4:35:00 PM To 3/5/2021 9:03:00 PM	Unsch	5075	Blade Path Temperature Spread	Unit removed from service due to low load demand. High Blade Path Spreads tripped the unit on startup.	
9	3/5/2021 11:07:00 PM To 3/6/2021 2:26:00 PM	Unsch	4899	Other Miscellaneous Generator Problems	Unit tripped to reverse power relay.	
9	3/6/2021 6:16:00 PM To 3/6/2021 10:28:00 PM	Unsch	5075	Blade Path Temperature Spread	Unit removed from service due to low load demand. High Blade Path Spreads tripped the unit on startup.	

Sutton Energy Complex

No Outages at Baseload Units During the Month.

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant Performance Review Plan

March 2021
Brunswick Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	938		932	
(B) Period Hours	743		743	
(C) Net Gen (mWh) and Capacity Factor (%)	717,239	102.91	98,065	14.16
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	583,106	84.21
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00	11,305	1.63
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-20,305	-2.91	0	0.00
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	696,934	100.00%	692,476	100.00%
(K) Equivalent Availability (%)		100.00		15.28
(L) Output Factor (%)		102.91		89.66
(M) Heat Rate (BTU/NkWh)		10,292		11,514

* Estimate
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

March 2021
Harris Nuclear Station

	Unit 1	
(A) MDC (mW)	964	
(B) Period Hours	743	
(C) Net Gen (mWh) and Capacity Factor (%)	740,789	103.43
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-24,537	-3.43
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	716,252	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		103.43
(M) Heat Rate (BTU/NkWh)		10,086

* Estimate
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

March 2021
Robinson Nuclear Station

	Unit 2	
(A) MDC (mW)	759	
(B) Period Hours	743	
(C) Net Gen (mWh) and Capacity Factor (%)	581,871	103.18
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-17,934	-3.18
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	563,937	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		103.18
(M) Heat Rate (BTU/NkWh)		10,192

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

DEP Asheville CC

	ACC CT5	ACC ST6	Block Total
(A) MDC (mW)	192	90	282
(B) Period Hrs	743	743	743
(C) Net Generation (mWh)	130,807	67,522	198,329
(D) Capacity Factor (%)	91.69	100.98	94.66
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	14,489	1,857	16,346
(H) Scheduled Derates: percent of Period Hrs	10.16	2.78	7.80
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	0	0	0
(N) Economic Dispatch: percent of Period Hrs	0.00	0.00	0.00
(O) Net mWh Possible in Period	142,656	66,870	209,526
(P) Equivalent Availability (%)	89.84	97.22	92.20
(Q) Output Factor (%)	91.69	100.98	94.66
(R) Heat Rate (BTU/NkWh)	9,581	0	6,319

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

DEP Asheville CC

	ACC CT7	ACC ST8	Block Total
(A) MDC (mW)	192	90	282
(B) Period Hrs	743	743	743
(C) Net Generation (mWh)	97,391	50,271	147,662
(D) Capacity Factor (%)	68.27	75.18	70.47
(E) Net mWh Not Generated due to Full Scheduled Outages	0	1,743	1,743
(F) Scheduled Outages: percent of Period Hrs	0.00	2.61	0.83
(G) Net mWh Not Generated due to Partial Scheduled Outages	14,050	1,809	15,859
(H) Scheduled Derates: percent of Period Hrs	9.85	2.71	7.57
(I) Net mWh Not Generated due to Full Forced Outages	4,317	0	4,317
(J) Forced Outages: percent of Period Hrs	3.03	0.00	2.06
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	26,898	13,047	39,945
(N) Economic Dispatch: percent of Period Hrs	18.86	19.51	19.06
(O) Net mWh Possible in Period	142,656	66,870	209,526
(P) Equivalent Availability (%)	87.13	94.69	89.54
(Q) Output Factor (%)	86.70	96.04	89.67
(R) Heat Rate (BTU/NkWh)	10,111	0	6,669

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	225	227	228	379	1,059
(B) Period Hrs	743	743	743	743	743
(C) Net Generation (mWh)	43,919	-765	21,421	40,344	104,919
(D) Capacity Factor (%)	26.27	0.00	12.64	14.33	13.33
(E) Net mWh Not Generated due to Full Scheduled Outages	116,122	0	141,649	195,861	453,632
(F) Scheduled Outages: percent of Period Hrs	69.46	0.00	83.62	69.55	57.65
(G) Net mWh Not Generated due to Partial Scheduled Outages	6,240	0	3,530	113	9,883
(H) Scheduled Derates: percent of Period Hrs	3.73	0.00	2.08	0.04	1.26
(I) Net mWh Not Generated due to Full Forced Outages	0	168,661	0	0	168,661
(J) Forced Outages: percent of Period Hrs	0.00	100.00	0.00	0.00	21.44
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	21,151	21,151
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	7.51	2.69
(M) Net mWh Not Generated due to Economic Dispatch	894	0	2,804	24,128	27,826
(N) Economic Dispatch: percent of Period Hrs	0.53	0.00	1.66	8.57	3.54
(O) Net mWh Possible in Period	167,175	168,661	169,404	281,597	786,837
(P) Equivalent Availability (%)	26.81	0.00	14.30	22.90	16.97
(Q) Output Factor (%)	86.03	0.00	77.18	47.06	63.76
(R) Heat Rate (BTU/NkWh)	8,468	0	8,543	4,421	6,989

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

Smith Energy Complex

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	193	193	184	570
(B) Period Hrs	743	743	743	743
(C) Net Generation (mWh)	70,623	68,062	80,613	219,298
(D) Capacity Factor (%)	49.25	47.46	58.97	51.78
(E) Net mWh Not Generated due to Full Scheduled Outages	40,887	40,655	39,732	121,274
(F) Scheduled Outages: percent of Period Hrs	28.51	28.35	29.06	28.64
(G) Net mWh Not Generated due to Partial Scheduled Outages	10,749	10,545	3,371	24,665
(H) Scheduled Derates: percent of Period Hrs	7.50	7.35	2.47	5.82
(I) Net mWh Not Generated due to Full Forced Outages	1,312	3,464	1,552	6,328
(J) Forced Outages: percent of Period Hrs	0.92	2.42	1.14	1.49
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	19,827	20,672	11,444	51,944
(N) Economic Dispatch: percent of Period Hrs	13.83	14.42	8.37	12.27
(O) Net mWh Possible in Period	143,399	143,399	136,712	423,510
(P) Equivalent Availability (%)	63.08	61.88	67.34	64.05
(Q) Output Factor (%)	73.58	72.89	86.81	77.71
(R) Heat Rate (BTU/NkWh)	14,022	1,418	0	4,956

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

Smith Energy Complex

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	215	215	252	682
(B) Period Hrs	743	743	743	743
(C) Net Generation (mWh)	101,455	121,206	138,357	361,018
(D) Capacity Factor (%)	63.51	75.87	73.89	71.25
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	11,758	13,745	0	25,503
(H) Scheduled Derates: percent of Period Hrs	7.36	8.60	0.00	5.03
(I) Net mWh Not Generated due to Full Forced Outages	23,102	0	0	23,102
(J) Forced Outages: percent of Period Hrs	14.46	0.00	0.00	4.56
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	23,431	24,794	48,879	97,103
(N) Economic Dispatch: percent of Period Hrs	14.67	15.52	26.11	19.16
(O) Net mWh Possible in Period	159,745	159,745	187,236	506,726
(P) Equivalent Availability (%)	78.18	91.40	100.00	90.41
(Q) Output Factor (%)	79.50	81.23	78.73	79.77
(R) Heat Rate (BTU/NkWh)	13,651	13,492	0	8,366

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
March 2021

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	224	224	271	719
(B) Period Hrs	743	743	743	743
(C) Net Generation (mWh)	117,265	120,047	138,214	375,526
(D) Capacity Factor (%)	70.46	72.13	68.64	70.29
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	20,061	19,689	4,252	44,002
(H) Scheduled Derates: percent of Period Hrs	12.05	11.83	2.11	8.24
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	802	802
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.40	0.15
(M) Net mWh Not Generated due to Economic Dispatch	29,106	26,696	58,085	113,887
(N) Economic Dispatch: percent of Period Hrs	17.49	16.04	28.85	21.32
(O) Net mWh Possible in Period	166,432	166,432	201,353	534,217
(P) Equivalent Availability (%)	87.95	88.17	97.49	91.61
(Q) Output Factor (%)	72.09	72.49	68.64	70.90
(R) Heat Rate (BTU/NkWh)	11,441	11,441	0	7,230

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Intermediate Power Plant Performance Review Plan
March 2021

		Mayo Station Unit 1
(A)	**MDC (mW)**	713
(B)	**Period Hrs**	743
(C)	**Net Generation (mWh)**	-6,496
(D)	**Net mWh Possible in Period**	529,759
(E)	**Equivalent Availability (%)**	0.00
(F)	**Output Factor (%)**	0.00
(G)	**Capacity Factor (%)**	0.00

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Intermediate Power Plant Performance Review Plan
March 2021

Roxboro Station

		Unit 2	Unit 3	Unit 4
(A)	**MDC (mW)**	673	698	711
(B)	**Period Hrs**	743	743	743
(C)	**Net Generation (mWh)**	-2,161	240,582	61,300
(D)	**Net mWh Possible in Period**	500,039	518,614	528,273
(E)	**Equivalent Availability (%)**	100.00	90.46	38.58
(F)	**Output Factor (%)**	0.00	54.91	40.60
(G)	**Capacity Factor (%)**	0.00	46.39	11.60

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Base Load Power Plant Performance Review Plan

April 2020 - March 2021
Brunswick Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	938		932	
(B) Period Hours	8760		8760	
(C) Net Gen (mWh) and Capacity Factor (%)	7,603,327	92.53	7,431,921	91.03
(D) Net mWh Not Gen due to Full Schedule Outages	226,543	2.76	583,106	7.14
* (E) Net mWh Not Gen due to Partial Scheduled Outages	42,711	0.52	36,880	0.45
(F) Net mWh Not Gen due to Full Forced Outages	411,032	5.00	40,449	0.50
* (G) Net mWh Not Gen due to Partial Forced Outages	-66,733	-0.81	71,964	0.88
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	8,216,880	100.00%	8,164,320	100.00%
(K) Equivalent Availability (%)		90.59		91.20
(L) Output Factor (%)		100.32		98.56
(M) Heat Rate (BTU/NkWh)		10,384		10,723

* Estimate
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

April 2020 - March 2021
Harris Nuclear Station

	Unit 1	
(A) MDC (mW)	964	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	8,310,706	98.41
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	80,324	0.95
(F) Net mWh Not Gen due to Full Forced Outages	202,633	2.40
* (G) Net mWh Not Gen due to Partial Forced Outages	-149,023	-1.76
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	8,444,640	100.00%
(K) Equivalent Availability (%)		96.36
(L) Output Factor (%)		100.83
(M) Heat Rate (BTU/NkWh)		10,231

* Estimate
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

April 2020 - March 2021
Robinson Nuclear Station

Unit 2

(A) MDC (mW)	759	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	6,099,247	91.73
(D) Net mWh Not Gen due to Full Schedule Outages	582,912	8.77
* (E) Net mWh Not Gen due to Partial Scheduled Outages	80,855	1.22
(F) Net mWh Not Gen due to Full Forced Outages	11,752	0.18
* (G) Net mWh Not Gen due to Partial Forced Outages	-125,926	-1.90
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	6,648,840	100.00%
(K) Equivalent Availability (%)		90.54
(L) Output Factor (%)		100.74
(M) Heat Rate (BTU/NkWh)		10,282

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
April, 2020 through March, 2021

DEP Asheville CC

	ACC CT5	ACC ST6	Block Total
(A) MDC (mW)	191	90	281
(B) Period Hrs	8,760	8,760	8,760
(C) Net Generation (mWh)	1,094,763	526,336	1,621,099
(D) Capacity Factor (%)	65.61	66.76	65.98
(E) Net mWh Not Generated due to Full Scheduled Outages	177,074	182,217	359,291
(F) Scheduled Outages: percent of Period Hrs	10.61	23.11	14.62
(G) Net mWh Not Generated due to Partial Scheduled Outages	162,806	20,871	183,677
(H) Scheduled Derates: percent of Period Hrs	9.76	2.65	7.48
(I) Net mWh Not Generated due to Full Forced Outages	16,815	22,592	39,406
(J) Forced Outages: percent of Period Hrs	1.01	2.87	1.60
(K) Net mWh Not Generated due to Partial Forced Outages	284	0	284
(L) Forced Derates: percent of Period Hrs	0.02	0.00	0.01
(M) Net mWh Not Generated due to Economic Dispatch	216,976	36,385	253,360
(N) Economic Dispatch: percent of Period Hrs	13.00	4.61	10.31
(O) Net mWh Possible in Period	1,668,718	788,400	2,457,118
(P) Equivalent Availability (%)	78.56	71.38	76.29
(Q) Output Factor (%)	87.99	95.89	90.41
(R) Heat Rate (BTU/NkWh)	9,999	0	6,753

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
April, 2020 through March, 2021

DEP Asheville CC

	ACC CT7	ACC ST8	Block Total
(A) MDC (mW)	191	90	281
(B) Period Hrs	8,760	8,760	8,760
(C) Net Generation (mWh)	1,175,222	559,307	1,734,529
(D) Capacity Factor (%)	70.43	70.94	70.59
(E) Net mWh Not Generated due to Full Scheduled Outages	193,787	136,195	329,983
(F) Scheduled Outages: percent of Period Hrs	11.61	17.27	13.43
(G) Net mWh Not Generated due to Partial Scheduled Outages	165,352	23,820	189,172
(H) Scheduled Derates: percent of Period Hrs	9.91	3.02	7.70
(I) Net mWh Not Generated due to Full Forced Outages	15,419	28,594	44,014
(J) Forced Outages: percent of Period Hrs	0.92	3.63	1.79
(K) Net mWh Not Generated due to Partial Forced Outages	7	0	7
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	118,930	40,483	159,413
(N) Economic Dispatch: percent of Period Hrs	7.13	5.13	6.49
(O) Net mWh Possible in Period	1,668,718	788,400	2,457,118
(P) Equivalent Availability (%)	77.52	76.08	77.08
(Q) Output Factor (%)	85.53	95.05	88.39
(R) Heat Rate (BTU/NkWh)	9,927	0	6,726

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
April, 2020 through March, 2021

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	225	227	228	379	1,059
(B) Period Hrs	8,760	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	979,160	837,672	1,055,170	1,977,757	4,849,759
(D) Capacity Factor (%)	49.68	42.13	52.83	59.57	52.28
(E) Net mWh Not Generated due to Full Scheduled Outages	267,919	126,420	309,259	424,196	1,127,794
(F) Scheduled Outages: percent of Period Hrs	13.59	6.36	15.48	12.78	12.16
(G) Net mWh Not Generated due to Partial Scheduled Outages	230,492	249,292	250,796	27,760	758,340
(H) Scheduled Derates: percent of Period Hrs	11.69	12.54	12.56	0.84	8.17
(I) Net mWh Not Generated due to Full Forced Outages	147,304	446,755	22,382	1,068	617,508
(J) Forced Outages: percent of Period Hrs	7.47	22.47	1.12	0.03	6.66
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	203,925	203,925
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	6.14	2.20
(M) Net mWh Not Generated due to Economic Dispatch	346,125	325,632	359,672	685,335	1,716,765
(N) Economic Dispatch: percent of Period Hrs	17.56	16.51	18.01	20.64	18.51
(O) Net mWh Possible in Period	1,971,000	1,988,520	1,997,280	3,320,040	9,276,840
(P) Equivalent Availability (%)	67.24	58.64	70.84	80.21	70.81
(Q) Output Factor (%)	64.76	61.28	64.89	69.97	66.15
(R) Heat Rate (BTU/NkWh)	10,131	10,507	10,101	3,469	7,473

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
April, 2020 through March, 2021

Smith Energy Complex

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	194	194	183	570
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	922,894	905,445	1,061,249	2,889,588
(D) Capacity Factor (%)	54.37	53.35	66.38	57.87
(E) Net mWh Not Generated due to Full Scheduled Outages	218,077	181,858	172,210	572,145
(F) Scheduled Outages: percent of Period Hrs	12.85	10.71	10.77	11.46
(G) Net mWh Not Generated due to Partial Scheduled Outages	180,705	180,651	73,571	434,927
(H) Scheduled Derates: percent of Period Hrs	10.65	10.64	4.60	8.71
(I) Net mWh Not Generated due to Full Forced Outages	1,312	52,892	4,109	58,314
(J) Forced Outages: percent of Period Hrs	0.08	3.12	0.26	1.17
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	20,686	20,686
(L) Forced Derates: percent of Period Hrs	0.00	0.00	1.29	0.41
(M) Net mWh Not Generated due to Economic Dispatch	373,737	375,877	266,814	1,016,428
(N) Economic Dispatch: percent of Period Hrs	22.05	22.18	16.69	20.36
(O) Net mWh Possible in Period	1,697,281	1,697,281	1,598,638	4,993,200
(P) Equivalent Availability (%)	76.44	75.54	83.06	78.25
(Q) Output Factor (%)	75.69	75.16	87.50	79.45
(R) Heat Rate (BTU/NkWh)	11,807	10,920	0	7,193

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
April, 2020 through March, 2021

Smith Energy Complex

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	216	216	249	681
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,392,331	1,407,174	1,812,581	4,612,086
(D) Capacity Factor (%)	73.67	74.45	83.10	77.37
(E) Net mWh Not Generated due to Full Scheduled Outages	25,546	48,528	30,314	104,387
(F) Scheduled Outages: percent of Period Hrs	1.35	2.57	1.39	1.75
(G) Net mWh Not Generated due to Partial Scheduled Outages	180,946	181,055	3,257	365,258
(H) Scheduled Derates: percent of Period Hrs	9.57	9.58	0.15	6.13
(I) Net mWh Not Generated due to Full Forced Outages	25,616	3,564	2,449	31,628
(J) Forced Outages: percent of Period Hrs	1.36	0.19	0.11	0.53
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	710	710
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.03	0.01
(M) Net mWh Not Generated due to Economic Dispatch	265,562	249,680	331,805	847,047
(N) Economic Dispatch: percent of Period Hrs	14.05	13.21	15.21	14.21
(O) Net mWh Possible in Period	1,890,001	1,890,001	2,181,116	5,961,118
(P) Equivalent Availability (%)	87.72	87.67	98.31	91.58
(Q) Output Factor (%)	80.12	79.89	89.33	83.43
(R) Heat Rate (BTU/NkWh)	11,730	11,582	0	7,075

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Base Load Power Plant
Performance Review Plan
April, 2020 through March, 2021

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	224	224	271	719
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,220,734	1,230,177	1,523,507	3,974,418
(D) Capacity Factor (%)	62.21	62.69	64.18	63.10
(E) Net mWh Not Generated due to Full Scheduled Outages	186,387	187,268	225,571	599,226
(F) Scheduled Outages: percent of Period Hrs	9.50	9.54	9.50	9.51
(G) Net mWh Not Generated due to Partial Scheduled Outages	244,076	239,454	43,822	527,352
(H) Scheduled Derates: percent of Period Hrs	12.44	12.20	1.85	8.37
(I) Net mWh Not Generated due to Full Forced Outages	2,352	0	0	2,352
(J) Forced Outages: percent of Period Hrs	0.12	0.00	0.00	0.04
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	6,231	6,231
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.26	0.10
(M) Net mWh Not Generated due to Economic Dispatch	308,692	305,342	574,828	1,188,861
(N) Economic Dispatch: percent of Period Hrs	15.73	15.56	24.21	18.88
(O) Net mWh Possible in Period	1,962,240	1,962,240	2,373,960	6,298,440
(P) Equivalent Availability (%)	77.94	78.25	88.39	81.98
(Q) Output Factor (%)	71.01	71.21	72.76	71.73
(R) Heat Rate (BTU/NkWh)	11,680	11,679	0	7,202

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
April, 2020 through March, 2021

Mayo Station

Units	Unit 1
(A) MDC (mW)	738
(B) Period Hrs	8,760
(C) Net Generation (mWh)	1,089,938
(D) Net mWh Possible in Period	6,463,713
(E) Equivalent Availability (%)	43.59
(F) Output Factor (%)	44.97
(G) Capacity Factor (%)	16.86

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
April, 2020 through March, 2021

Roxboro Station

Units	Unit 2	Unit 3	Unit 4
(A) MDC (mW)	673	698	711
(B) Period Hrs	8,760	8,760	8,760
(C) Net Generation (mWh)	2,161,855	2,082,153	1,311,211
(D) Net mWh Possible in Period	5,895,480	6,114,480	6,228,360
(E) Equivalent Availability (%)	65.87	72.50	56.49
(F) Output Factor (%)	68.97	62.37	63.16
(G) Capacity Factor (%)	36.67	34.05	21.05

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Outages for 100 mW or Larger Units
March, 2021

Unit Name	Capacity Rating (mW)	Full Outage Hours		
		Scheduled	Unscheduled	Total
Brunswick 1	938	0.00	0.00	0.00
Brunswick 2	932	625.65	0.00	625.65
Harris 1	964	0.00	0.00	0.00
Robinson 2	759	0.00	0.00	0.00

Duke Energy Progress
Outages for 100 mW or Larger Units
March 2021

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
ACC CT5	192	0.00	0.00	0.00
ACC CT7	192	0.00	22.48	22.48
ACC ST6	90	0.00	0.00	0.00
ACC ST8	90	19.37	0.00	19.37

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Outages for 100 mW or Larger Units
March 2021

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Asheville CT 3	185	0.00	0.00	0.00
Asheville CT 4	185	24.25	0.00	24.25
Darlington CT 12	131	49.00	0.00	49.00
Darlington CT 13	133	185.00	0.00	185.00
Lee Energy Complex CC 1A	225	516.10	0.00	516.10
Lee Energy Complex CC 1B	227	0.00	743.00	743.00
Lee Energy Complex CC 1C	228	621.27	0.00	621.27
Lee Energy Complex CC ST1	379	516.78	0.00	516.78
Mayo Steam 1	713	743.00	0.00	743.00
Smith Energy Complex CT 1	192	0.00	486.93	486.93
Smith Energy Complex CT 2	192	66.00	0.00	66.00
Smith Energy Complex CT 3	192	309.00	0.00	309.00
Smith Energy Complex CT 4	192	0.00	0.00	0.00
Smith Energy Complex CT 6	192	0.00	0.68	0.68
Smith Energy Complex CC 7	193	211.85	6.80	218.65
Smith Energy Complex CC 8	193	210.65	17.95	228.60
Smith Energy Complex CC ST4	184	215.93	8.43	224.37
Smith Energy Complex CC 9	215	0.00	107.45	107.45
Smith Energy Complex CC 10	215	0.00	0.00	0.00
Smith Energy Complex CC ST5	252	0.00	0.00	0.00

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Outages for 100 mW or Larger Units
March 2021

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Roxboro Steam 1	380	0.00	0.00	0.00
Roxboro Steam 2	673	0.00	0.00	0.00
Roxboro Steam 3	698	63.00	0.00	63.00
Roxboro Steam 4	711	259.00	120.57	379.57
Sutton Energy Complex CC 1A	224	0.00	0.00	0.00
Sutton Energy Complex CC 1B	224	0.00	0.00	0.00
Sutton Energy Complex CC ST1	271	0.00	0.00	0.00
Wayne County CT 10	187	0.00	0.00	0.00
Wayne County CT 11	192	0.00	0.00	0.00
Wayne County CT 12	193	0.00	0.00	0.00
Wayne County CT 13	191	0.00	0.00	0.00
Wayne County CT 14	195	0.00	0.00	0.00

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 1**
North Carolina Annual Fuel and Fuel Related Expense
Proposed Nuclear Capacity Factor
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Brunswick 1	Brunswick 2	Harris 1	Robinson 1	Total
MWhs	7,325,424	8,001,034	7,708,915	6,301,643	29,337,015
Hours in Year	7,969	8,760	8,160	8,472	8,760
MDC	938	932	964	759	3,593
Cost	$ 46,548,110	$ 46,679,832	$ 43,623,328	$ 35,371,888	$ 172,223,158
$/MWhs	$ 6.35	$ 5.83	$ 5.66	$ 5.61	

Avg. $/MWhs	**$**	**5.8705**
Cents per kWh		**0.5871**

	GWhs	Capacity Rating MDC	Hours	Proposed Nuclear Capacity Factor
Brunswick 1	7,325	938	7,969	98.00%
Brunswick 2	8,001	932	8,760	98.00%
Harris 1	7,709	964	8,160	98.00%
Robinson 1	6,302	759	8,472	98.00%
	29,337	3,593	8,760	**93.21%**

Note: Totals may not sum due to rounding

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 2**
North Carolina Annual Fuel and Fuel Related Expense
NERC 5 Year Average Nuclear Capacity Factor
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Brunswick 1	Brunswick 2	Harris 1	Robinson 1	Total
MWhs with NERC applied	7,083,984	7,737,326	7,299,871	5,771,148	27,892,328
Hours in Year	7,969	8,760	8,160	8,472	8,760
MDC	938	932	964	759	3,593
Capacity Factor-NERC 5yr Avg	0.9477	0.9477	0.9280	0.8975	
Cost ($)	$ 41,586,576	$ 45,422,028	$ 42,853,943	$ 33,879,563	$ 163,742,110
$/MWhs	$ 5.87	$ 5.87	$ 5.87	$ 5.87	
Avg. $/MWHs					**$ 5.87**
Cents per kWh					**0.5871**

	Capacity Rating MDC	NCF Rating	Weighted Average
Brunswick 1	938	94.77%	24.74%
Brunswick 2	932	94.77%	24.58%
Harris 1	964	92.80%	24.90%
Robinson 1	759	89.75%	18.96%
	3,593		**93.18%**

Note: Totals may not sum due to rounding

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 3**
North Carolina Annual Fuel and Fuel Related Expense
North Carolina Generation in MWhs
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Resource Type		**MWh Dec'21-Nov'22**
Nuclear		29,348,553
Adjust for Lower Nuclear Capacity Factor		(11,538)
Adjusted Nuclear Total		29,337,015
Coal		7,506,813
Adjust for Lower Nuclear Capacity Factor		11,538
Adjusted Coal Total		7,518,351
Gas CT and CC Total		21,918,020
Total Hydro		647,824
Utility Owned Solar Generation		265,105
Total Net Generation		59,686,315
Purchases for REPS Compliance	2,065,380	
Purchases from Qualifying Facilities	4,885,514	
Purchases from Dispatchable Units	1,842,196	
Emergency & DSM Purchases	2,941	
Allocated Economic Purchases	281,010	
Joint Dispatch Fuel Transfer Purchases	1,087,546	10,164,587
Total Net Generation and Purchases		69,850,902
Sales Totals (intersystem sales)	(120,919)	
Fuel Transfer Sales (JDA & economic sales)	(5,456,324)	(5,577,243)
Line Losses and Company Use		(2,310,113)
Total NC System Sales		**61,963,546**

Note: Totals may not sum due to rounding

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 4**
North Carolina Annual Fuel and Fuel Related Expense
Fuel Costs ($)
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Resource Type		**Costs $ Dec'21-Nov'22**
Nuclear		$ 172,307,153
Adjust for Lower Nuclear Capacity Factor		(83,994)
Adjusted Nuclear		172,223,158
Coal		204,377,419
Adjust for Lower Nuclear Capacity Factor		314,121
Adjusted Coal Total		204,691,540
Reagent and By-Product Costs		34,165,968
Gas CT and CC Total		548,461,501
Total Hydro		-
Utility Owned Solar Generation		-
Total Generation Costs		959,542,167
Purchases for REPS Compliance Energy	$ 114,179,542	
Purchases for REPS Compliance Capacity	23,408,207	
Purchases from Qualifying Facilities Energy	212,217,851	
Purchases from Qualifying Facilities Capacity	43,472,451	
Purchases from Dispatchable Units Energy	46,946,023	
Emergency & DSM Purchases	2,507,667	
Allocated Economic Purchases	7,683,487	
Joint Dispatch Fuel Transfer Purchases	22,807,894	
Joint Dispatch Savings	(16,262,245)	$ 456,960,876
Total Net Generation and Purchases		1,416,503,043
Sales Totals (intersystem sales)	$ (3,013,837)	
Fuel Transfer Sales (JDA & economic sales)	(115,097,808)	(118,111,645)
Total System Fuel and Related Expenses		**$ 1,298,391,398**

Note: Totals may not sum due to rounding

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 5**
North Carolina Annual Fuel and Fuel Related Expense
Reagents ($)
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Month	Year	Ammonia/ Urea	Lime, Hydrated Lime & Limestone	Limestone Off-System Sales	Magnesium Hydroxide	Calcium Carbonate	Total NC System Reagent Cost	Gypsum (Gain)/Loss	Ash (Gain)/Loss	Total NC System Reagent Cost and ByProduct (Gain)/Loss
December	2021	$ 254,581	$ 1,026,179	$ (15,810)	$ 373,552	$ 271,177	$ 1,909,679	$ (247,666)	$ 960,017	$ 2,622,030
January	2022	379,402	1,881,753	(58,265)	533,481	400,575	3,136,946	(381,704)	950,281	3,705,523
February	2022	343,603	1,767,731	(42,922)	481,013	357,416	2,906,840	8,060,890	952,755	11,920,485
March	2022	76,749	404,018	(13,933)	131,961	81,990	680,785	(98,278)	1,114,052	1,696,559
April	2022	44,058	248,556	(15,388)	83,384	44,047	404,657	(38,076)	946,577	1,313,158
May	2022	20,309	118,528	(4,047)	37,614	22,822	195,226	(26,519)	1,008,680	1,177,387
June	2022	114,013	623,472	(10,458)	202,586	127,004	1,056,618	(155,650)	1,034,506	1,935,474
July	2022	208,987	1,131,522	(1,858)	365,845	223,328	1,927,825	(265,038)	952,195	2,614,983
August	2022	198,000	1,088,031	(5,286)	347,953	214,113	1,842,809	(259,385)	1,091,325	2,674,750
September	2022	116,916	657,674	(9,406)	210,226	125,373	1,100,783	(144,498)	988,640	1,944,924
October	2022	6,475	40,725	(5,419)	9,656	9,640	61,077	(18,917)	991,359	1,033,519
November	2022	66,315	377,299	(570)	124,434	62,224	629,702	(47,316)	944,791	1,527,177
12ME Nov	2022	$ 1,829,409	$ 9,365,489	$ (183,362)	$ 2,901,704	$ 1,939,707	$ 15,852,947	$ 6,377,843	$ 11,935,178	$ 34,165,968

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 6**
North Carolina Annual Fuel and Fuel Related Expense
Merger Fuel Impacts
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

		Positive numbers represent expense, Negative numbers represent revenues							
		Allocated Economic Purchase Cost		Economic Sales Cost		Fuel Transfer Payment		JDA Savings Payment	
Month	Year	DEP	DEC	DEP	DEC	DEP	DEC	DEP	DEC
December	2021	$ 269,661	$ 392,854	$ (453,329)	$ (206,683)	$ (12,649,542)	$ 12,649,542	$ (1,314,581)	$ 1,314,581
January	2022	1,545,224	2,233,393	(1,432,439)	(2,755,631)	(2,368,039)	2,368,039	(149,690)	149,690
February	2022	705,011	1,040,077	(953,265)	(1,142,558)	(3,985,131)	3,985,131	(503,572)	503,572
March	2022	202,145	295,934	(224,331)	(208,642)	(11,522,259)	11,522,259	(2,078,259)	2,078,259
April	2022	838,340	1,198,576	(286,303)	(14,663)	(9,820,276)	9,820,276	(2,154,087)	2,154,087
May	2022	191,866	276,709	(256,731)	(104,733)	(5,036,503)	5,036,503	(696,258)	696,258
June	2022	545,534	767,348	(169,102)	(149,691)	(5,591,551)	5,591,551	(563,794)	563,794
July	2022	878,983	1,213,245	(287,820)	(334,830)	(9,067,708)	9,067,708	(4,890,887)	4,890,887
August	2022	844,462	1,182,822	(272,382)	(244,707)	(7,688,844)	7,688,844	(1,358,642)	1,358,642
September	2022	637,593	905,491	(216,463)	(179,009)	(8,806,019)	8,806,019	(1,180,178)	1,180,178
October	2022	328,807	470,829	(83,413)	(192,390)	390,969	(390,969)	663,579	(663,579)
November	2022	695,861	1,045,293	(46,753)	(65,965)	(11,462,678)	11,462,678	(2,035,876)	2,035,876
Total		$ 7,683,487		$ (4,682,333)		$ (87,607,581)		$ (16,262,245)	

Note: Totals may not sum due to rounding

		Fuel Transfer Payments	
		Purchases	Sales
December	2021	$ 1,523,898	$ 14,173,440
January	2022	3,140,024	5,508,063
February	2022	2,748,088	6,733,219
March	2022	768,887	12,291,146
April	2022	801,042	10,621,319
May	2022	2,524,377	7,560,880
June	2022	1,971,281	7,562,832
July	2022	1,230,735	10,298,444
August	2022	1,444,562	9,133,405
September	2022	1,204,288	10,010,307
October	2022	5,172,089	4,781,120
November	2022	278,622	11,741,299
		$ 22,807,894	$ 110,415,475
			$ (87,607,581)

DUKE ENERGY PROGRESS, LLC
North Carolina Annual Fuel and Fuel Related Expense
Merger Payments
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Harrington Workpaper 7

		MWh Transfer Projection		MWh Purchase Allocation Delta		Adjusted MWh Transfer		Fossil Gen Cost $/MWh		Pre-Net Payments $		Actual Payments $	
Month	**Year**	**DEP to DEC**	**DEC to DEP**	**DEP**	**DEC**	**DEP to DEC**	**DEC to DEP**	**DEP**	**DEC**	**DEP to DEC**	**DEC to DEP**	**DEP to DEC**	**DEC to DEP**
December	2021	593,459	66,598	148	(148)	593,607	66,598	$ 23.88	$ 22.88	$ 1,523,898	$ 14,173,440	$ -	$ 12,649,542
January	2022	219,077	110,789	(14,049)	14,049	219,077	124,838	$ 25.14	$ 25.15	3,140,024	5,508,063	-	2,368,039
February	2022	274,009	93,961	(14,865)	14,865	274,009	108,826	$ 24.57	$ 25.25	2,748,088	6,733,219	-	3,985,131
March	2022	601,512	33,030	(1,652)	1,652	601,512	34,682	$ 20.43	$ 22.17	768,887	12,291,146	-	11,522,259
April	2022	547,580	37,513	(3,515)	3,515	547,580	41,028	$ 19.40	$ 19.52	801,042	10,621,319	-	9,820,276
May	2022	405,528	129,683	(6,365)	6,365	405,528	136,048	$ 18.64	$ 18.56	2,524,377	7,560,880	-	5,036,503
June	2022	374,099	96,478	(4,439)	4,439	374,099	100,917	$ 20.22	$ 19.53	1,971,281	7,562,832	-	5,591,551
July	2022	467,244	58,466	13,072	(13,072)	480,316	58,466	$ 21.44	$ 21.05	1,230,735	10,298,444	-	9,067,708
August	2022	409,567	69,568	19,179	(19,179)	428,746	69,568	$ 21.30	$ 20.76	1,444,562	9,133,405	-	7,688,844
September	2022	490,046	61,161	(709)	709	490,046	61,869	$ 20.43	$ 19.47	1,204,288	10,010,307	-	8,806,019
October	2022	257,001	263,616	(9,189)	9,189	257,001	272,805	$ 18.60	$ 18.96	5,172,089	4,781,120	390,969	-
November	2022	630,563	11,901	4,806	(4,806)	635,368	11,901	$ 18.48	$ 23.41	278,622	11,741,299	-	11,462,678
Total		5,269,682	1,032,763	(17,578)	17,578	5,306,887	1,087,546			$ 22,807,894	$ 110,415,475	$ 390,969	$ 87,998,550

Note: Totals may not sum due to rounding

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 8**
North Carolina Annual Fuel and Fuel Related Expense
Projected Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Projection MWhs	Remove impact of SC DERP Net Metered Generation	Adjusted Projected Sales (MWhs)
NC Retail			
Residential	16,610,751		16,610,751
Small General Service	1,792,730		1,792,730
Medium General Service	10,332,062		10,332,062
Large General Service	9,225,261		9,225,261
Lighting	380,260		380,260
NC Retail	38,341,063		38,341,063
SC Retail	6,769,010	33,310	6,802,320
Total Wholesale	16,853,473		16,853,473
Total Adjusted NC System Sales	61,963,546	33,310	61,996,856
NC as a percentage of total	61.88%	0.00%	61.84%
SC as a percentage of total	10.92%	100.00%	10.97%
Wholesale as a percentage of total	27.20%	0.00%	27.18%

SC Net Metering allocation adjustment			
Total Projected SC NEM MWhs	33,310		
Marginal Fuel rate per MWh for SC NEM	$ 22.54		
Fuel Benefit to be directly assigned to SC	$ 750,664		
System Fuel Expense	$ 1,298,391,398	Exh 2 Sch 1 Pg 1	
Fuel benefit to be directly assigned to SC Retail	750,664		
Total Adjusted System Fuel Expense	$ 1,299,142,062	Exh 2 Sch 1 Pg 3	

DUKE ENERGY PROGRESS, LLC **Revised Harrington Workpaper 9**
North Carolina Annual Fuel and Fuel Related Expense
Normalized Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

		Test Period Sales MWhs	Weather Normalization	Customer Growth	Remove impact of SC DERP Net Metered Generation	Normalized Test Period Sales MWhs
	NC Retail					
REVISED	**Residential**	16,297,009	333,221	134,304		16,764,534
REVISED	**Small General Service**	1,803,155	70,640	17,453		1,891,247
REVISED	**Medium General Service**	10,156,058	347,747	(6,486)		10,497,319
REVISED	**Large General Service**	8,294,636	105,787	3,047		8,403,471
	Lighting	341,023	0	871		341,894
REVISED	**NC Retail**	36,891,881	857,395	149,190		37,898,465
REVISED	**SC Retail**	6,005,213	141,302	1,294	33,310	6,181,120
	Total Wholesale	17,020,253	398,788	125,791		17,544,832
REVISED	**Total Adjusted NC System Sales**	59,917,347	1,397,485	276,275	33,310	61,624,417
REVISED	NC as a percentage of total	61.57%				61.50%
REVISED	SC as a percentage of total	10.02%				10.03%
REVISED	Wholesale as a percentage of total	28.41%				28.47%

	SC Net Metering allocation adjustment			
	Total Projected SC NEM MWhs	33,310		
	Marginal Fuel rate per MWh for SC NEM	$ 22.54		
	Fuel Benefit to be directly assigned to SC	$ 750,664		
REVISED	System Fuel Expense	$ 1,287,859,069	Exh 2 Sch 2 Pg 1	
	Fuel benefit to be directly assigned to SC Retail	750,664		
REVISED	Total Adjusted System Fuel Expense	$ 1,288,609,734	Exh 2 Sch 2 Pg 3	

DUKE ENERGY PROGRESS, LLC
North Carolina Annual Fuel and Fuel Related Expense
Weather Adjustment - MWh
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

Revised Harrington Workpaper 9a

No Longer Needed Due to Consolidated Presentation of Data on Revised Harrington Workpaper 9b.

DUKE ENERGY PROGRESS, LLC **Revised Harrington Workpaper 9b**
North Carolina Annual Fuel and Fuel Related Expense
Weather Adjustment - MWh
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

			Residential MWH Adjustment	Small Gen Service MWH Adjustment	Medium Gen Service MWH Adjustment	Large Gen Service MWH Adjustment	NC Retail MWH Adjustment	SC Retail MWH Adjustment	Wholesale MWH Adjustment	Total MWH Adjustment
REVISED	**April**	**2020**	45,765	17,839	86,282	23,233	173,119	26,143	103,550	302,811
REVISED	**May**	**2020**	47,062	29,534	141,726	34,892	253,214	37,522	151,622	442,357
REVISED	**June**	**2020**	42,760	26,944	125,756	22,056	217,516	30,734	48,358	296,608
REVISED	**July**	**2020**	28,472	1,582	8,630	6,226	44,911	6,523	30,845	82,279
REVISED	**August**	**2020**	(51,620)	(3,362)	(18,075)	(12,899)	(85,957)	(13,379)	(43,031)	(142,367)
REVISED	**September**	**2020**	(60,969)	(4,824)	(25,014)	(15,644)	(106,450)	(14,818)	(33,536)	(154,804)
REVISED	**October**	**2020**	24,647	2,321	14,398	15,927	57,294	9,676	1,238	68,208
REVISED	**November**	**2020**	80,347	(268)	(30,515)	(97,951)	(48,388)	(24,474)	59,592	(13,269)
REVISED	**December**	**2020**	75,383	363	41,336	126,443	243,524	68,821	38,732	351,077
REVISED	**January**	**2021**	11,714	222	1,284	1,009	14,229	2,076	8,488	24,793
REVISED	**February**	**2021**	44,750	289	1,939	2,496	49,474	6,760	16,310	72,544
REVISED	**March**	**2021**	44,909	0	-	-	44,909	5,719	16,619	67,247
REVISED	**12ME March**	**2021**	**333,221**	**70,640**	**347,747**	**105,787**	**857,395**	**141,302**	**398,788**	**1,397,485**

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 9c**
North Carolina Annual Fuel and Fuel Related Expense
Customer Growth Adjustment - MWh
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

Rate Schedule	Estimation Method[1]	Reference	NC Proposed MWH Adjustment [1]	SC Proposed MWH Adjustment [1]	Wholesale Proposed MWH Adjustment
Residential	Regression	RES	134,304	1,562	
General:					
General Service Small	Regression	SGS	17,453	1,069	
General Service Medium	Customer	MGS	(6,486)	(1,347)	
Total General			10,967	(278)	
Lighting:					
Street Lighting	Regression	SLS/SLR	769	23	
Sports Field Lighting	Regression	SFLS	66	(1)	
Traffic Signal Service	Regression	TSS/TFS	37	(12)	
Total Street Lighting			871	11	
Industrial:					
I - Textile	Customer	LGS	-	-	
I - Nontextile		LGS	3,047	-	
Total Industrial			3,047	-	
Total			**149,190**	**1,294**	**125,791**

Note:

[1] Two approved methods are used for estimating the growth adjustment depending on the class/schedule:

"Regression" refers to the use of Ordinary Least Squares Regression.

"Customer" refers to the use of the Customer by Customer approach. See ND330 for further explanation.

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 10**
North Carolina Annual Fuel and Fuel Related Expense
Projected Sales - NERC 5 year Average
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Projection MWhs	Remove impact of SC DERP Net Metered Generation	Adjusted Projected Sales (MWhs)
NC Retail			
Residential	16,610,751		16,610,751
Small General Service	1,792,730		1,792,730
Medium General Service	10,332,062		10,332,062
Large General Service	9,225,261		9,225,261
Lighting	380,260		380,260
NC Retail	38,341,063		38,341,063
SC Retail	6,769,010	33,310	6,802,320
Total Wholesale	16,853,473		16,853,473
Total Adjusted NC System Sales	61,963,546	33,310	61,996,856
NC as a percentage of total	61.88%	0.00%	61.84%
SC as a percentage of total	10.92%	100.00%	10.97%
Wholesale as a percentage of total	27.20%	0.00%	27.18%

SC Net Metering allocation adjustment

Total Projected SC NEM MWhs		33,310	
Marginal Fuel rate per MWh for SC NEM	$	22.54	
Fuel Benefit to be directly assigned to SC	$	750,664	
System Fuel Expense	$	1,329,242,819	Exh 2 Sch 3 Pg 1
Fuel benefit to be directly assigned to SC Retail		750,664	
Total Adjusted System Fuel Expense	$	1,329,993,484	Exh 2 Sch 3 Pg 3

DUKE ENERGY PROGRESS, LLC **Harrington Workpaper 11**
North Carolina Annual Fuel and Fuel Related Expense
NC Retail Allocation %
Line Loss Calculation Factors - 12 Months Ending December 31, 2020
Docket No. E-2, Sub 1272

Generator Step Up Loss % **0.2074%**

	kWh @ Meter	E-2 Allocation	kWh @ Prod Out.	E-1 Allocation	Losses
NC RES	15,116,836,578	25.8420%	15,701,057,542	26.0737%	584,220,964
NC RES-TOU	410,328,321	0.7014%	426,186,295	0.7077%	15,857,974
NC SGS	1,718,899,004	2.9384%	1,785,312,008	2.9648%	66,413,004
NC SGS-CLR	48,786,279	0.0834%	50,671,271	0.0841%	1,884,992
NC MGS-TOU	7,752,733,902	13.2532%	8,039,202,208	13.3502%	286,468,306
NC MGS	2,415,688,184	4.1296%	2,506,947,379	4.1631%	91,259,195
NC SI	30,625,111	0.0524%	31,672,133	0.0526%	1,047,022
NC LGS	990,915,145	1.6940%	1,021,169,521	1.6958%	30,254,376
NC LGS-TOU	1,752,903,144	2.9966%	1,806,161,547	2.9994%	53,258,403
NC LGS-RTP	5,583,478,093	9.5449%	5,723,794,255	9.5051%	140,316,162
NC TSS	4,661,461	0.0080%	4,841,613	0.0080%	180,152
NC ALS	255,632,931	0.4370%	265,512,387	0.4409%	9,879,456
NC SLS	85,980,452	0.1470%	89,303,342	0.1483%	3,322,890
NC SFLS	943,392	0.0016%	972,181	0.0016%	28,789
Total NCR	36,168,411,997	61.8293%	37,452,803,680	62.1954%	1,284,391,683
NCWHS incl .					
NCEMPA	16,398,692,582	28.0333%	16,637,536,858	27.6289%	238,844,275
Total NC	52,567,104,579	89.8627%	54,090,340,538	89.8243%	1,523,235,958
SC RES	1,943,026,554	3.3216%	2,018,118,776	3.3514%	75,092,222
SC RET	33,291,698	0.0569%	34,578,324	0.0574%	1,286,626
SC SGS	236,111,440	0.4036%	245,224,167	0.4072%	9,112,727
SC SGS-CLR	5,745,041	0.0098%	5,967,070	0.0099%	222,029
SC MGS-TOU	1,054,298,004	1.8023%	1,093,107,498	1.8153%	38,809,494
SC MGS	459,629,167	0.7857%	476,692,225	0.7916%	17,063,058
SC SI	12,056,951	0.0206%	12,467,929	0.0207%	410,978
SC LGS	565,652,880	0.9670%	582,837,257	0.9679%	17,184,377
SC LGS-TOU	213,493,431	0.3650%	219,357,906	0.3643%	5,864,475
SC LGS-CRTL-TOU	666,103,200	1.1387%	679,947,604	1.1291%	13,844,404
SC LGS-RTP	663,130,532	1.1336%	678,777,952	1.1272%	15,647,420
SC TSS	1,966,910	0.0034%	2,042,925	0.0034%	76,015
SC ALS	59,418,391	0.1016%	61,714,736	0.1025%	2,296,345
SC SLS	16,026,332	0.0274%	16,645,702	0.0276%	619,370
SC SFLS	110,108	0.0002%	113,476	0.0002%	3,368
Total SCR	5,930,060,639	10.1373%	6,127,593,547	10.1757%	197,532,908
SCWHS		0.0000%		0.0000%	0
Total SC	5,930,060,639	10.1373%	6,127,593,547	10.1757%	197,532,908
Total System	58,497,165,218	100.0000%	60,217,934,085	100.0000%	1,720,768,866

Cost of Service Data Summarized

	kWh @ Meter	kWh @ Generator	Losses (kWh)	Loss Percent
Residential	15,527,164,899	16,160,767,721	633,602,822	4.0810%
SGS	1,772,346,744	1,844,651,435	72,304,691	4.0800%
MGS	10,199,047,197	10,599,809,956	400,762,759	3.9290%
LGS	8,327,296,382	8,568,900,643	241,604,261	2.9010%
Lighting	342,556,775	356,527,490	13,970,715	4.0780%
Total NC Retail	36,168,411,997	37,530,657,245	1,362,245,248	3.7660%
Total NC Retail	36,168,411,997	37,530,657,245	1,362,245,248	3.7660%
SC Retail	5,930,060,639	6,140,331,045	210,270,406	3.5460%
12ME NEM Generation	**30,159,869**	31,229,338	1,069,469	3.5460%
Total SC Retail	5,960,220,508	6,171,560,383	211,339,875	3.5460%
All other jurisdications	16,368,532,713	16,640,892,155	272,359,441	1.6640%
Total System	58,497,165,218	60,343,109,782	1,845,944,564	3.1560%
SC Retail + All Other	22,328,753,221	22,812,452,537	483,699,316	2.1660%

Line Loss Calculations for Projected

Fuel Costs	MWh @ Meter	MWh @ Generator	Losses (MWh)	Loss Percent
Total NC Retail	38,341,063	39,841,494	1,500,431	3.9130%
Total SC Retail	6,802,320	7,052,398	250,078	3.6760%
All other jurisdications	16,853,473	17,138,660	285,187	1.6920%
Total System	61,996,856	64,032,552	2,035,696	3.2840%
Allocation percent - NC retail	61.84%	62.22%		

Line Loss Calculations for Normalized

Test Period Sales	MWh @ Meter	MWh @ Generator	Losses (MWh)	Loss Percent
Total NC Retail	37,898,465	39,381,575	1,483,110	3.9130%
Total SC Retail	6,181,120	6,408,360	227,240	3.6760%
All other jurisdications	17,544,832	17,841,718	296,886	1.6920%
Total System	61,624,417	63,631,654	2,007,237	3.2570%
Allocation percent - NC retail	61.50%	61.89%		

DUKE ENERGY PROGRESS, LLC **Revised Harrington Workpaper**
North Carolina Annual Fuel and Fuel Related Expense
Derivation of Equal Percent Increases for all Rate Classes
Annualized Revenues at Current Rates
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

									Remove Partial Year Impacts						Add Impact of Approved Rate Changes During Test Year					
Revenue Class	Annual Sales	Annual EE Opt-Out Sales	Annual DSM Opt-Out Sales	Annual Customer Count	Annual Rider JAA kWh Units	Annual Rider JAA Demand Units	Annual Customer Count (Adjusted for Premise Billing)	Annual Revenues	Test Year Rate Changes**	Opt-Out Credit Due to Jan 2021 EE Rate	Opt-Out Credit Due to Jan. 2021 DSM Rate	NC Rate Case	REPS Revenue Due to December 2020 Rate Change	Annual Revenues Excluding All Rate Adjustments	Annual Impact of Rate Changes***	Annual Opt-Out Impact of 1/21 EE Rate	Annual Opt-Out Impact of 1/21 EE Rate	NC Rate Case	Annual Impact of Dec. 2020 REPS Rate	Annual Revenue At Current Rates
(1)	(2) per RMC2B - Adjusted to tie to RMCRY2	(3) per RMCRY14E	(4) per RMCRY14E	(5) per RMC2B	(6) per RMC2B	(7) per PMCM7M	(8) = (5) adjusted by RMCRY10	(9) per RMC2B	(10) - See Annualization Adjustment Worksheet	(11) per RMCRY14	(12) per RMCRY15	(13) per Report PMCM7M Worksheet	(14) per RMCRY10	(15)=(9)-[10-11-12]-(13)-(14)	(16) See Annualization Adjustment worksheet	(17) = (3) * Rate Change	(18) = (4) * Rate Change	(19) per Report PMCM7M Worksheet	(20) = (8) * Rate Change	(21)=(15)+[16-17-18]+(19)+(20)
Residential	16,363,387,435	0	0	15,294,135	16,363,387,435	0	14,812,068	$1,843,131,959	($1,970,211)	$0	$0	$0	($661,393)	$1,845,763,564	($42,559,090)	$0	$0	$0	($2,369,931)	$1,800,834,543
Residential	16,296,998,427	0	0	15,177,941	16,296,998,427	0	14,730,183	$1,820,731,667	($1,948,432)	$0	$0	$0	($657,925)	$1,823,338,025	($42,050,330)	$0	$0	$0	($2,356,829)	$1,778,930,866
SGS	1,692	0	0	2	1,692	0	0	$192	($2)	$0	$0	$0	$0	$194	($8)	$0	$0	$0	$0	$185
MGS	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LGS	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Lighting	66,387,316	0	0	116,192	66,387,316	0	81,885	$22,400,100	($21,777)	$0	$0	$0	($3,468)	$22,425,346	($508,752)	$0	$0	$0	($13,102)	$21,903,492
Commercial	11,286,623,086	3,907,286,711	3,946,983,626	2,524,258	1,992,626,856	28,686,945	2,363,415	$1,021,364,698	($13,144,860)	($250,302)	$36,433	$0	($843,182)	$1,035,138,872	($43,815,513)	($1,641,851)	$236,113	$87	($3,001,537)	$989,727,648
Residential	10,306	0	0	32	10,306	0	0	$1,509	($0)	$0	$0	$0	($18)	$1,527	($29)	$0	$0	$87	$0	$1,585
SGS	1,782,249,117	16,328,355	16,600,807	2,061,313	1,732,994,183	0	1,817,836	$217,193,982	($336,695)	($1,352)	$198	$0	($648,711)	$218,178,234	($7,456,096)	($6,858)	$996	$0	($2,308,652)	$208,419,349
MGS	8,250,885,512	2,805,529,427	2,879,069,560	446,582	57,005,997	26,439,834	389,477	$675,768,959	($11,374,657)	($186,269)	$27,440	$0	($139,796)	$687,124,583	($31,693,640)	($1,178,322)	$172,744	$0	($494,635)	$655,941,886
LGS	1,050,861,781	1,074,130,081	1,039,539,988	1,139	0	2,247,110	877	$77,605,965	($1,366,722)	($63,361)	$8,795	$0	($315)	$78,918,435	($3,117,461)	($451,135)	$62,372	$0	($1,114)	$76,188,622
Lighting	202,616,370	11,298,848	11,773,271	15,192	202,616,370	0	155,225	$50,794,284	($66,787)	$680	$0	$0	($54,343)	$50,916,093	($1,548,287)	($5,536)	$0	$0	($197,136)	$49,176,207
Industrial	7,800,249,190	8,398,189,643	8,392,622,238	41,145	2,273,651,120	18,386,676	20,924	$499,900,816	($10,465,043)	($552,935)	$78,949	$0	($69,567)	$509,961,439	($26,886,128)	($3,527,706)	$503,144	$0	($244,811)	$485,855,063
Residential	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SGS	16,586,855	8,101,261	8,248,425	11,893	-141,192	0	3,181	$1,828,247	($3,694)	($679)	$99	$0	($10,696)	$1,842,056	($70,435)	($3,403)	$495	$0	($37,213)	$1,737,315
MGS	1,905,172,708	1,569,000,798	1,568,283,987	26,707	1,543,251,934	5,590,967	7,181	$145,075,837	($2,801,756)	($108,872)	$15,514	$0	($24,443)	$147,808,678	($9,431,213)	($658,980)	$94,097	$0	($84,015)	$138,858,332
LGS	5,865,436,589	6,814,425,099	6,809,205,786	2,367	730,460,025	12,795,709	8,909	$350,211,278	($7,655,067)	($443,779)	$63,336	$0	($29,708)	$357,515,610	($17,285,304)	($2,862,059)	$408,552	$0	($104,238)	$342,579,574
Lighting	13,053,038	6,662,485	6,884,040	178	80,353	0	1,653	$2,785,454	($4,526)	$395	$0	$0	($4,720)	$2,795,096	($99,175)	($3,265)	$0	$0	($19,345)	$2,679,841
Public Streets & Highways	63,281,045	0	0	10,967	63,281,045	0	9,716	$17,232,066	($24,907)	$0	$0	$0	($3,376)	$17,260,349	($480,473)	$0	$0	$0	($12,339)	$16,767,537
Residential	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SGS	4,316,965	0	0	5,388	4,316,965	0	5,083	$415,826	($389)	$0	$0	$0	($1,710)	$417,925	($17,045)	$0	$0	$0	($6,455)	$394,425
MGS	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LGS	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Lighting	58,964,080	0	0	5,579	58,964,080	0	4,633	$16,816,240	($24,518)	$0	$0	$0	($1,667)	$16,842,424	($463,428)	$0	$0	$0	($5,884)	$16,373,112
Military	1,378,339,726	1,587,737,510	1,587,737,510	48	1,920	3,269,218	38	$79,404,048	($1,759,206)	($90,128)	$12,875	$0	($134)	$81,086,136	($3,728,568)	($666,850)	$95,264	$0	($445)	$77,928,709
Residential	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
SGS	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
MGS	0	0	0	0	0	0	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
LGS	1,378,337,806	1,587,737,510	1,587,737,510	48	0	3,269,218	38	$79,403,832	($1,759,206)	($90,128)	$12,875	$0	($134)	$81,085,920	($3,728,555)	($666,850)	$95,264	$0	($445)	$77,928,505
Lighting	1,920	0	0	0	1,920	0	0	$216	$0	$0	$0	$0	$0	$216	($13)	$0	$0	$0	$0	$203
NC Retail	36,891,880,482	13,893,213,864	13,927,343,374	17,870,553	20,692,948,376	50,342,839	17,206,161	$3,461,033,587	($27,364,228)	($893,364)	$128,257	$0	($1,577,652)	$3,489,210,361	($117,469,772)	($5,836,407)	$834,521	$87	($5,629,063)	$3,371,113,499
	0	0	0	0	0	0	0	0	$0	0	0	0	0	0	0	0	0	0	0	0
Rate Schedules (excludes REPS)																				
RES (includes RES-RECD)	15,872,746,543	0	0	14,920,005	15,872,746,543	0		$1,779,670,819	($1,491,866)	$0	$0	$93,434,533	-$657,943	$1,688,386,095	($32,748,509)	$0	$0	$0		$1,655,637,586
SGS	1,743,237,348	24,378,406	24,792,006	1,965,791	1,743,237,348	0		$212,566,970	($331,864)	($2,027)	$296	$25,847,772	-$622,980	$187,672,310	($7,316,203)	($10,239)	$1,488	$0		$180,364,858
MGS	2,410,887,243	299,114,818	301,087,022	202,355	0	12,275,816		$245,774,966	$1,398,660	($20,943)	$3,027	$26,773,309	-$84,885	$217,669,967	($3,676,210)	($125,628)	$18,065	$0		$214,101,320
SGS-TOU	7,688,582,175	4,071,497,132	4,142,246,640	260,468	0	19,702,908		$568,874,848	($15,572,806)	($273,936)	$39,889	$15,122,131	-$100,816	$569,192,292	($37,357,348)	($1,710,029)	$248,535	$0		$533,296,437
LGS	958,213,380	1,070,364,265	1,078,297,927	1,027	0	2,363,879		$76,449,715	($1,091,635)	($67,678)	$9,724	$15,544,950	-$2,119	$61,940,564	($2,573,385)	($449,553)	$64,698	$0		$59,752,034
LGS-TOU	1,772,188,848	1,877,485,927	1,829,742,859	1,551	0	3,404,606		$125,285,957	($2,193,546)	($126,927)	$17,759	$3,741,436	-$1,829	$123,630,728	($5,491,891)	($788,544)	$109,785	$0		$118,817,596
LGS-RTP	12,167,662	12,167,662	12,167,662	23	0	45,573		$1,930,418	($88,784)	$0	$0	$36,109	$0	$1,983,092	($200,405)	($5,110)	$730	$0		$1,787,068
LGS-RTP-TOU	5,552,066,286	6,524,373,391	6,524,373,391	953	0	12,497,980		$303,554,984	($7,407,031)	($402,663)	$57,523	$11,194,564	-$2,177	$299,424,490	($15,865,640)	($2,740,237)	$391,462	$0		$285,907,624
LGS Class	8,294,636,176	9,484,391,245	9,444,581,839	3,554	0	18,312,038		$507,221,074	($10,780,995)	($597,267)	$85,006	$30,517,059	($6,125)	$486,978,874	($24,131,321)	($3,983,444)	$566,675	$0		$466,264,322
Rate Class																				
Residential	16,297,008,733	0	0	15,177,973	16,297,008,733	0	14,730,183	$1,820,733,176	($1,948,433)	$0	$0	$0	($657,943)	$1,823,339,552	($42,050,359)	$0	$0	$87	($2,356,829)	$1,778,932,451
SGS	1,803,154,629	24,429,616	24,849,232	2,078,596	1,737,171,648	0	1,826,099	$219,438,247	($340,780)	($2,032)	$297	$0	($661,117)	$220,438,409	($7,543,585)	($10,260)	$1,491	$0	($2,352,320)	$210,551,274
MGS	10,156,058,220	4,374,530,225	4,447,353,547	473,289	1,600,257,931	32,030,801	396,658	$820,844,796	($14,176,412)	($295,141)	$42,955	$0	($164,239)	$834,933,261	($41,124,853)	($1,837,303)	$266,841	$0	($578,651)	$794,800,218
LGS	8,294,636,176	9,476,292,690	9,436,483,284	3,554	730,460,025	18,312,038	9,824	$507,221,074	($10,780,995)	($597,267)	$85,006	$0	($30,156)	$517,519,964	($24,131,321)	($3,980,043)	$566,189	$0	($105,796)	$496,696,701
Lighting	341,022,724	17,961,333	18,657,311	137,141	328,050,039	0	243,397	$92,796,294	($117,608)	$1,076	$0	$0	($64,197)	$92,979,175	($2,619,654)	($8,801)	$0	$0	($235,466)	$90,132,855
	36,891,880,482	13,893,213,864	13,927,343,374	17,870,553	20,692,948,376	50,342,839	17,206,161	$3,461,033,587	($27,364,228)	($893,364)	$128,257	$0	($1,577,652)	$3,489,210,361	($117,469,772)	($5,836,407)	$834,521	$87	($5,629,063)	$3,371,113,499

DUKE ENERGY PROGRESS, LLC **Revised Harrington Workpaper 13**
North Carolina Annual Fuel and Fuel Related Expense
Actual MWH Sales by Jurisdiction - Subject to Weather
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

	Line No.	Description	Reference	Retail North Carolina	Retail South Carolina	Retail Total Company	% NC	% SC
	1	Residential	Company Records	16,363,387	2,086,332	18,449,719	88.69	11.31
	2	Commercial	Company Records	11,286,623	1,571,072	12,857,695	87.78	12.22
REVISED	3	Industrial	Company Records	7,800,249	2,287,239	10,087,488	77.33	22.67
	4	Other Public Authority	Company Records	1,378,340	46,435	1,424,775	96.74	3.26
REVISED	5	Total Retail Sales subject to weather	Sum 1 through 4	36,828,600	5,991,078	42,819,677		
	6	Lighting	Company Records	63,281	14,135	77,416		
REVISED	7	Total Retail Sales	Line 5 + Line 6	36,891,881	6,005,213	42,897,094		

DUKE ENERGY PROGRESS, LLC
North Carolina Annual Fuel and Fuel Related Expense
2020 Production Plant Allocation Factors
Docket No. E-2, Sub 1272

Harrington Workpaper 14

2020 Total Production Plant	System	NC Retail	Residential	Small GS	Med GS	Lrg GS	Ltg
All - Production Plant	17,741,420	10,798,235	5,371,140	633,930	3,117,631	1,675,534	-
NC Retail % to Total System		60.86%	30.27%	3.57%	17.57%	9.44%	0.00%
Allocation of Classes to Total NC Retail		100.00%	49.74%	5.87%	28.87%	15.52%	0.00%

DUKE ENERGY PROGRESS, LLC **Revised Harrington Workpaper 15**
North Carolina Annual Fuel and Fuel Related Expense
Scenario Differences
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

Exhibit 2 Schedule 1: Line Loss

	Line Losses	Exh 2 Sch 1 Pg 1 Ln 16	(2,310,113)
	Generation	Exh 2 Sch 1 Pg 1 Ln 10	59,686,315
		%	-3.870%
		Multiplier	1.038704

Schedule 2: Proposed Nuclear Capacity Factor & Normalized Sales

REVISED	Normalized Sales	Exh 4, Total Co., Ln 4	61,591,107
	Sales Forecast	Exh 2 Sch 1 Pg 1 Ln 18	61,963,546
REVISED	Difference		(372,439)
REVISED	Gross up for losses	Difference x Multiplier	(386,854)
REVISED		MWh changes in Coal	(386,854)
REVISED		MWH changes in Losses	14,415

		Before Adj	Adj	Total
REVISED	Total Coal MWh	7,518,351	(386,854)	7,131,497
REVISED	Total Losses MWh	(2,310,113)	14,415	(2,295,698)
REVISED		5,208,238	(372,439)	4,835,799

		Before Adj	After Adj	Adjustment
REVISED	Total Coal $	$ 204,691,540	$ 194,159,211	$ (10,532,329)

Schedule 3: NERC 5 year average Capacity Factor & Projected Sales

		Nuclear-MWHs	Nuclear Costs
Nuclear	WP 1	29,337,015	$ 172,223,158
Nuclear - NERC Average	WP 2	27,892,328	$ 163,742,110
	Adjustment	(1,444,687)	$ (8,481,048)

		Coal-MWH	Coal Costs	
Coal MWh	WP 3, WP4	7,518,351	$ 204,691,540	
Adjustment from Above	Adjustment above	1,444,687	$ 39,332,470	(Priced at the avg Coal $/MWH)
		8,963,038	$ 244,024,009	

DUKE ENERGY PROGRESS, LLC **Revised Harrington Workpaper 16**
North Carolina Annual Fuel and Fuel Related Expense
2.5% Calculation Test - Projected Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Line No.	Description	Forecast $	EMF (Over)/Under Collection $	Total $
REVISED	1	Amount in current docket	$ 277,781,551	$ 22,812,629	$ 300,594,180
	2	Amount in 2020 Filing: Docket E-2 Sub 1250	269,804,228	(9,714,001)	260,090,227
	3	Reduction in prior year docket in excess of 2.5%	-		-
REVISED	4	Increase/(Decrease)	$ 7,977,322	$ 32,526,630	$ 40,503,952
	5	2.5% of 2020 NC revenue of $3,458,306,941 *			86,457,674
	6	Amount over 2.5%			0

	Description	System Cost	Alloc %	NC Alloc. Forecast
WP 4	Purchases from Dispatchable Units	$ 46,946,023	62.22%	$ 29,209,815
WP 4	Purchases for REPS Compliance Energy	114,179,542	62.22%	71,042,511
WP 4	Purchases for REPS Compliance Capacity	23,408,207	60.86%	14,247,300
WP 4	Purchases from Qualifying Facilities Energy	212,217,851	62.22%	132,041,947
WP 4	Purchases from Qualifying Facilities Capacity	43,472,451	60.86%	26,459,312
WP 4	Allocated Economic Purchases	7,683,487	62.22%	4,780,666
	Total	$ 447,907,561		$ 277,781,551

	Description	System Cost	Alloc %	NC Alloc. Forecast
Prior Year	Dispatchable Purchased Energy	$ 43,444,341	61.59%	$ 26,757,369
Prior Year	Purchases for REPS Compliance Energy	131,543,318	61.59%	81,017,530
Prior Year	Purchases for REPS Compliance Capacity	26,962,441	60.07%	16,195,509
Prior Year	Purchases from Qualifying Facilities Energy	191,949,817	61.59%	118,221,892
Prior Year	Purchases from Qualifying Facilities Capacity	39,344,300	60.07%	23,632,911
Prior Year	Allocated Economic Purchases	6,460,492	61.59%	3,979,017
Prior Year	Total	$ 439,704,709		$ 269,804,228

UPDATE
UPDATE
UPDATE

* Note: The 2020 NC revenue basis upon which the 2.5% limitation test is performed does not reflect approximately $500,000 in revenues associated with 6,855,839 NC Retail LGS kWh sales applicable to the months of June - December 2020. The projected billing period costs in this docket are significantly less than the prior calendar year (understated) revenues; therefore, the basis for the 2.5% test limitation has not been revised.

DUKE ENERGY PROGRESS, LLC **Revised Harrington Workpaper 17**
North Carolina Annual Fuel and Fuel Related Expense
2.5% Calculation Test - Normalized Sales
Billing Period December 1, 2021 - November 30, 2022
Docket No. E-2, Sub 1272

	Line No.	Description	Forecast $	EMF (Over)/Under Collection $	Total $
REVISED	1	Amount in current docket	$ 275,034,750	$ 22,812,629	$ 297,847,378
	2	Amount in 2020 Filing: Docket E-2 Sub 1250	266,267,477	(9,714,001)	256,553,477
	3	Reduction in prior year docket in excess of 2.5%	-		-
REVISED	4	Increase/(Decrease)	$ 8,767,272	$ 32,526,630	$ 41,293,902
	5	2.5% of 2020 NC revenue of $3,458,306,941 *			86,457,674
	6	Amount over 2.5%			0

			System Cost	Alloc %	NC Alloc. Forecast
REVISED	WP 4	Purchases from Dispatchable Units	$ 46,946,023	61.50%	$ 28,871,384
REVISED	WP 4	Purchases for REPS Compliance	114,179,542	61.50%	70,219,397
	WP 4	Purchases for REPS Compliance Capacity	23,408,207	60.86%	14,247,300
REVISED	WP 4	Purchases from Qualifying Facilities Energy	212,217,851	61.50%	130,512,081
	WP 4	Purchases from Qualifying Facilities Capacity	43,472,451	60.86%	26,459,312
REVISED	WP 4	Allocated Economic Purchases	7,683,487	61.50%	4,725,276
REVISED		Total	$ 447,907,561		$ 275,034,750

		System Cost	Alloc %	NC Alloc. Forecast
Prior Year	Dispatchable Purchased Energy	$ 43,444,341	60.64%	$ 26,345,873
Prior Year	Purchases for REPS Compliance Energy	131,543,318	60.64%	79,771,578
Prior Year	Purchases for REPS Compliance Capacity	26,962,441	60.07%	16,195,509
Prior Year	Purchases from Qualifying Facilities Energy	191,949,817	60.64%	116,403,782
Prior Year	Purchases from Qualifying Facilities Capacity	39,344,300	60.07%	23,632,911
Prior Year	Allocated Economic Purchases	6,460,492	60.64%	3,917,825
Prior Year	Total	$ 439,704,709		$ 266,267,477

UPDATE * Note: The 2020 NC revenue basis upon which the 2.5% limitation test is performed does not reflect approximately $500,000 in revenues associated
UPDATE with 6,855,839 NC Retail LGS kWh sales applicable to the months of June - December 2020. The projected billing period costs in this docket
UPDATE are significantly less than the prior calendar year (understated) revenues; therefore, the basis for the 2.5% test limitation has not been revised.

DUKE ENERGY PROGRESS, LLC
North Carolina Annual Fuel and Fuel Related Expense
2.5% Calculation Test-Detail Calculation
Twelve Months Ended March 31, 2021
Docket No. E-2, Sub 1272

Revised Harrington Workpaper 1

	Line No.		Reference	Apr-20	May-20	REVISED Jun-20	REVISED Jul-20	REVISED Aug-20	REVISED Sep-20	REVISED Oct-20	REVISED Nov-20	REVISED * Dec-20	REVISED ** Jan-21	REVISED Feb-21	REVISED Mar-21	REVISED Apr-21	REVISED May-21	Jun-21	15ME
REVISED	1	System kWh Sales, at generation		4,110,876,368	4,104,424,018	5,001,421,078	6,195,291,406	6,439,611,799	5,509,538,703	4,481,832,097	4,572,490,477	5,116,512,554	5,743,859,560	5,578,722,903	4,953,244,246	4,503,223,585	4,419,268,356	5,186,411,727	75,916,728,87
REVISED	2	NC Retail kWh Sales, at generation		2,633,443,825	2,517,777,010	3,016,281,809	3,639,008,008	3,928,893,523	3,551,203,772	2,825,611,233	2,906,147,134	3,001,106,907	3,482,683,815	3,500,939,597	3,172,325,565	2,899,011,469	2,685,296,379	3,086,219,108	46,845,949,15
REVISED	3	NC Retail % of Sales	Line 2 / Line 1	64.06%	61.34%	60.31%	58.74%	61.01%	64.46%	63.05%	63.56%	58.66%	60.63%	62.76%	64.05%	64.38%	60.76%	59.51%	61.7
		Total Purchase Power, Excl. JDA																	
	4	System Purchase Power, Excl. JDA		$ 30,512,264	$ 38,078,563	$ 32,831,693	$ 42,216,785	$ 38,292,614	$ 31,120,830	$ 22,997,645	$ 29,996,390	$ 26,855,321	$ 22,748,840	$ 23,672,728	$ 21,276,393	$ 34,197,095	$ 41,359,773	$ 35,008,386	$ 471,165,32
REVISED	5	NC Purchase Power	Line 4 * Line 3	$ 19,546,278	$ 23,358,534	$ 19,800,300	$ 24,797,416	$ 23,362,838	$ 20,059,104	$ 14,499,072	$ 19,064,867	$ 15,752,075	$ 13,793,342	$ 14,855,872	$ 13,626,553	$ 22,014,845	$ 25,131,592	$ 20,832,043	$ 290,742,06
REVISED	6	NC Retail kWh Sales, at delivery		2,545,360,664	2,433,609,079	2,915,096,511	3,516,360,899	3,796,446,772	3,431,786,982	2,731,447,087	2,808,761,789	2,900,291,536	3,364,816,379	3,382,385,264	3,065,517,620	2,794,163,055	2,588,634,760	2,973,987,062	45,248,665,459
REVISED	7	NC Incurred Rate	Line 5 / Line 6 * 100	0.768	0.960	0.679	0.705	0.615	0.585	0.531	0.679	0.543	0.410	0.439	0.445	0.788	0.971	0.700	0.643
		Total Capacity																	
	8	System Capacity		$ 5,383,105	$ 7,679,028	$ 5,836,636	$ 16,705,855	$ 11,813,564	$ 9,036,989	$ 6,175,861	$ 2,930,016	$ 4,775,494	$ 4,176,478	$ 3,146,493	$ 4,083,924	$ 6,093,534	$ 7,739,063	$ 5,674,978	$ 101,251,019
REVISED	9	NC Capacity (@ Production Plant%)	60.067% & 60.865%	$ 3,233,466	$ 4,612,556	$ 3,505,888	$ 10,034,693	$ 7,096,045	$ 5,428,241	$ 3,709,650	$ 1,759,970	$ 2,868,493	$ 2,508,682	$ 1,890,002	$ 2,453,087	$ 3,708,802	$ 4,710,346	$ 3,454,050	$ 60,973,970
	10	NC Incurred Rate	Line 9/Line 6*100	0.127	0.190	0.120	0.285	0.187	0.158	0.136	0.063	0.099	0.075	0.056	0.080	0.133	0.182	0.116	0.135
	11	Total NC Incurred Rate	Line 7 + Line 10	0.895	1.149	0.799	0.991	0.802	0.743	0.667	0.741	0.642	0.484	0.495	0.525	0.921	1.153	0.817	0.777
	12	Billed Rate	Billed Rates Below	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.728	0.716	0.715	0.715	0.715	0.715	0.715	
	13	(Over)/Under cents per kwh	Line 11- Line 12	0.160	0.415	0.065	0.256	0.068	0.008	(0.068)	0.007	(0.086)	(0.231)	(0.220)	(0.191)	0.205	0.438	0.101	
REVISED	14	(Over)/Under $	Line 6 * Line 13 /100	$ 4,085,051	$ 10,097,170	$ 1,895,928	$ 9,005,794	$ 2,575,444	$ 282,193	$ (1,852,705)	$ 195,564	$ (2,499,757)	$ (7,773,585)	$ (7,443,240)	$ (5,843,396)	$ 5,741,202	$ 11,329,328	$ 3,017,637	$ 22,812,62

Billed Rate from Docket E-2, Sub 1204 - Apr'20-Nov'20

	Purchases from Dispatchable Units &		
15	Economic Purchases	19,479,187	2019 Harrington WP4
16	Total MWH Sales	62,155,919	2019 Harrington WP3
17	Billed Rate for Purchases	**0.031**	
18	Renewables (energy)	168,625,939	2019 Harrington WP4
19	Total MWH Sales	62,155,919	2019 Harrington WP3
20	Billed Rate for Renewables	**0.271**	
21	QF Purchases (energy)	193,990,299	2019 Harrington WP4
22	Total MWH Sales	62,155,919	2019 Harrington WP3
23	Billed Rate for Renewables	**0.312**	
24	Capacity (REPS and QF)	74,415,842	2019 Harrington WP4
25	Total MWH Sales	62,155,919	2019 Harrington WP3
26	Billed Rate for Capacity	**0.120**	
27	Total Billed Rate	**0.734**	To Line 12

*** December billed rate is based on prorated billing factors**

	Prior Bill Rate (Sub 1204)	New Bill Rate (Sub 1250)	December Blended Rate	
Approved Rates	0.734	0.715		
Ratios of Days to rate	67.65%	32.35%		ok
Prorated Rate	**0.497**	**0.231**	**0.728**	To Line 12

**** January billed rate is based on prorated billing factors**

	Prior Bill Rate (Sub 1204)	New Bill Rate (Sub 1250)	January Blended Rate	
Approved Rates	0.734	0.715		
Ratios of Days to rate	1.868%	98.13%		ok
Prorated Rate	**0.014**	**0.702**	**0.716**	To Line 12

Billed Rate from Docket E-2, Sub 1250 - Feb'21-Jun'21

	Purchases from Dispatchable Units &		
	Economic Purchases	49,904,833	2020 Harrington WP4
	Total MWH Sales	61,484,301	2020 Harrington WP3
	Billed Rate for Purchases	**0.081**	
	Renewables (energy)	131,543,318	2020 Harrington WP4
	Total MWH Sales	61,484,301	2020 Harrington WP3
	Billed Rate for Renewables	**0.214**	
	QF Purchases (energy)	191,949,817	2020 Harrington WP4
	Total MWH Sales	61,484,301	2020 Harrington WP3
	Billed Rate for Renewables	**0.312**	
	Capacity (REPS and QF)	66,306,741	2020 Harrington WP4
	Total MWH Sales	61,484,301	2020 Harrington WP3
	Billed Rate for Capacity	**0.108**	
	Total Billed Rate	**0.715**	To Line 12

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. E-2, SUB 1272

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of Application of Duke Energy Progress, LLC, Pursuant to N.C.G.S. § 62-133.2 and Commission Rule R8-55 Regarding Fuel and Fuel-Related Cost Adjustments for Electric Utilities	)))))	ADDITIONAL PUBLIC NOTICE

NOTICE IS HEREBY GIVEN that the North Carolina Utilities Commission has scheduled a public hearing on an annual fuel and fuel-related charge adjustment proceeding for Duke Energy Progress, LLC (DEP). The public hearing has been scheduled to begin Tuesday, September 21, 2021, at 10:00 a.m., in Commission Hearing Room 2115, Dobbs Building, 430 North Salisbury Street, Raleigh, North Carolina. The proceeding is being held pursuant to the provisions of N.C.G.S. § 62-133.2 and Commission Rule R8-55 for the purpose of determining whether an increment or decrement rider is required in order to reflect changes in the cost of fuel and fuel-related costs over or under the base fuel rate established for DEP in its last general rate case. Public witness testimony will be received in accordance with Commission Rule R1-21(g).

DEP filed an application and testimony relative to the subject matter of the proceeding on June 15, 2021. The proposed change in rates is related to fuel and fuel-related costs. The proposed updates in that filing would result in a decrease of the present fuel and fuel-related rates of all customer classes, with the amount of the decrease varying for different customer classes. The decrease in the monthly bill of a typical residential customer using 1,000 kilowatt hours per month would be $0.10, excluding the regulatory fee.

On July 7, 2021, the Commission issued an Order Scheduling Hearing, Requiring Filing of Testimony, Establishing Discovery Guidelines and Requiring Public Notice (Scheduling Order). The Scheduling Order, among other things, required DEP to publish a Public Notice of the hearing date, time, and place, and of the proposed changes in Fuel rider rates.

Through supplemental testimony and exhibits filed on August 27, 2021, after the Public Notice of the original proposed Fuel rider rates had been published by DEP pursuant to the Commission's Scheduling Order, DEP revised its proposed fuel rates. The revisions, if approved by the Commission, would result in the present fuel and fuel-related rates, excluding regulatory fee, to increase by 0.1110

cents/kWh for residential customers, 0.1220 cents/kWh for small general service customers, 0.0800 cents/kWh for medium general service customers, 0.0560 cents/kWh for large general service customers, and 0.2450 for lighting customers. Proposed changes in all customers' Fuel rider rates would be effective for service rendered on and after December 1, 2021.

Further information a is available to the public by reviewing DEP's applications and supplemental filings on the Commission's website at www.ncuc.net.

The Public Staff is authorized by statute to represent consumers in proceedings before the Commission. Correspondence concerning the fuel adjustment proceeding and the hearing scheduled thereon should be directed to the Public Staff. Written statements to the Public Staff should include any information which the writers wish to be considered by the Public Staff in its investigation of the matter. Such statements should be addressed to Christopher J. Ayers, Executive Director, Public Staff, 4326 Mail Service Center, Raleigh, North Carolina 27699-4300.

The Attorney General is also authorized by statute to represent consumers in proceedings before the Commission. Statements to the Attorney General should be addressed to The Honorable Josh Stein, Attorney General, c/o Consumer Protection - Utilities, 9001 Mail Service Center, Raleigh, North Carolina 27699-9001. Written statements may be emailed to utilityAGO@ncdoj.gov.

Written statements are not evidence unless the writers appear at a public hearing and testify concerning the information contained in their written statements.

ISSUED BY ORDER OF THE COMMISSION.

This the __th day of _____, 2021.

NORTH CAROLINA UTILITIES COMMISSION
A. Shonta Dunston, Chief Clerk