

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. E-2, SUB 1322

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of)	
)	
Application of Duke Energy Progress, LLC)	REBUTTAL TESTIMONY
for Approval of Demand-Side Management)	OF CAROLYN T. MILLER
and Energy Efficiency Cost Recovery Rider)	FOR DUKE ENERGY
Pursuant to N.C. Gen. Stat. § 62-133.9 and)	PROGRESS, LLC
Commission Rule R8-69)	
)	

1 I. INTRODUCTION AND PURPOSE

2 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

3 A. My name is Carolyn T. Miller, and my business address is 525 South Tryon
4 Street, Charlotte, North Carolina, 28202.

5 Q. DID YOU PREVIOUSLY FILE TESTIMONY IN THIS MATTER?

6 A. Yes. I filed direct testimony on behalf of Duke Energy Progress, LLC
7 (“DEP” or the “Company”) in this matter on June 13, 2023, and filed
8 supplemental direct testimony on August 24, 2023, with a corrected
9 testimony filed on August 28, 2023.

10 Q. WHAT IS THE PURPOSE OF YOUR REBUTTAL TESTIMONY?

11 A. The purpose of my rebuttal testimony is to update Miller Exhibits 1, 2, and
12 3 filed with my supplemental direct testimony in this matter to reflect the
13 adjustment described in the rebuttal testimony of Company Witness Casey
14 Q. Fields.

15 Q. WERE THESE EXHIBITS PREPARED BY YOU OR AT YOUR
16 DIRECTION?

17 A. Yes.

18 II. REBUTTAL

19 Q. WHAT IS THE IMPACT OF THE ADJUSTMENT DESCRIBED IN
20 WITNESS FIELDS REBUTTAL TESTIMONY ON THE PROPOSED
21 DEMAND-SIDE MANAGEMENT (“DSM”) AND ENERGY
22 EFFICIENCY (“EE”) EXPERIENCE MODIFICATION FACTOR
23 (“EMF”) REVENUE REQUIREMENTS?

- 1 A. The table below reflects the impact of the adjustment on the DSM/EE EMF
2 revenue requirements proposed in my supplemental direct testimony.

	Rebuttal	Supplemental	Difference
Residential	\$(8,130,707)	\$(8,134,155)	\$3,448
Non-Residential EE	\$(15,909,290)	\$(15,888,820)	\$(20,470)
Non-Residential DSM	\$(766,552)	\$(790,236)	\$23,684
Lighting	\$(77,976)	\$(77,976)	\$0

3

- 4 **Q. WHAT IS THE IMPACT OF THE ADJUSTMENT ON THE**
5 **PROPOSED DSM AND EE BILLING FACTORS?**

- 6 A. The adjustment was not significant enough to change the billing factors
7 proposed in my supplemental direct testimony as shown in the table below.

	Rebuttal ¢/kWh	Supplemental ¢/kWh	Difference
Residential	0.629	0.629	0.000
Non-Residential EE	0.345	0.345	0.000
Non-Residential DSM	0.042	0.042	0.000
Lighting	0.000	0.000	0.000

8

- 9 **Q. DOES THIS CONCLUDE YOUR REBUTTAL TESTIMONY?**

- 10 A. Yes.

Miller Exhibit 1

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Summary of 2024 DSM/EE Rates

	Source:	cents/kWh Rate	Reg Fee	Rebuttal Billing Rate
Residential Rate				
EMF Rate - DSM	Miller Exhibit 2, page 5	0.000	0.000	0.000
EMF Rate - EE	Miller Exhibit 2, page 4	-0.047	0.000	-0.047
Projected Rate - DSM	Miller Exhibit 2, page 2	0.146	0.000	0.146
Projected Rate - EE	Miller Exhibit 2, page 1	0.529	0.001	0.530
Total Residential Rate		0.628		0.629
General Service				
EMF Rate - EE	Miller Exhibit 2, page 4	-0.182	0.000	-0.182
Projected Rate - EE	Miller Exhibit 2, page 1	0.526	0.001	0.527
Total General Service EE Rate		0.344		0.345
EMF Rate - DSM	Miller Exhibit 2, page 5	-0.009	0.000	-0.009
Projected Rate - DSM	Miller Exhibit 2, page 2	0.051	0.000	0.051
Total General Service DSM Rate		0.042		0.042
Lighting EE Rate				
EMF Rate - EE	Miller Exhibit 2, page 4	-0.021	0.000	-0.021
Projected Rate - EE	Miller Exhibit 2, page 1	0.021	0.000	0.021
Total Lighting EE Rate		0.000		0.000

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Energy Efficiency Rate Derivation

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NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Energy Allocation Factor ⁽²⁾	EE Revenue Requirements						
			Residential Programs ⁽³⁾	CIG Programs ⁽⁴⁾	DSDR ⁽⁵⁾	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾	DSDR Allocated A&G and Carrying Costs ⁽⁷⁾	Total of Allocated Costs ^{(8) = Σ (3 thru 7)}	Total EE Rate ^{(9) = (8) / (1)}
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	17,128,995,467	65.29%	\$ 78,727,362	\$ -	\$ 2,983,236	\$ 8,243,992	\$ 674,801	\$ 90,629,391	0.529
General Service	8,734,624,909	33.29%	\$ -	\$ 39,867,495	\$ 1,521,248	\$ 4,243,631	\$ 344,103	\$ 45,976,477	0.526
Lighting	371,886,089	1.42%	\$ -	\$ -	\$ 64,769	\$ -	\$ 14,651	\$ 79,419	0.021
NC Retail	26,235,506,465	100%	\$ 78,727,362	\$ 39,867,495	\$ 4,569,253	\$ 12,487,623	\$ 1,033,555	\$ 136,685,288	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Energy Allocation Factor is derived in Miller Exhibit 5, page 6, column (4).
- (3) Residential Program costs are allocated solely to the Residential Class in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) Non-Residential Program costs are allocated solely to the General Service Class in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) DSDR Costs are allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives and net lost revenues).
- (7) DSDR A&G Costs and Carrying Costs are allocated using the Rate Class Energy Allocation Factor from column (2).

Please note: Exhibit may not foot due to rounding.

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Demand-Side Management Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	DSM Revenue Requirements					
			Residential EnergyWise Program Costs ⁽³⁾	Non-Residential DR Programs ⁽⁴⁾	Allocated A&G Costs ⁽⁵⁾	Allocated Carrying Costs ⁽⁵⁾	Total of Allocated Costs	Total DSM Rate
	(1)	(2)	(3)	(4)	(5)	(6)	(7) = Σ (3 thru 6)	(8) = (7) / (1)
Residential	17,128,995,467	74.57%	\$ 21,058,083	\$ -	\$ 1,128,235	\$ 2,817,721	\$ 25,004,038	0.146
General Service	8,660,219,034	25.43%	\$ -	\$ 3,646,210	\$ 211,537	\$ 528,306	\$ 4,386,053	0.051
Lighting	371,703,126	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	-
NC Retail	26,160,917,627	100.00%	\$ 21,058,083	\$ 3,646,210	\$ 1,339,772	\$ 3,346,027	\$ 29,390,091	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Demand Allocation Factor is derived in Miller Exhibit 5, page 7, column (5).
- (3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) CIG DR Program and Energy Wise for Business costs are directly assigned solely to the General Service Class in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and net lost revenues).

Please note: Exhibit may not foot due to rounding.

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Rate Period Revenue Requirement Summary - NC Retail
January 2024 - December 2024

Table with columns: O&M, Insurance, A&G Expense, Capitalized O&M and A&G, Amortization of Capitalized O&M, Amortization of Capitalized A&G, O&M Year 10, O&M Year 9, O&M Year 8, O&M Year 7, O&M Year 6, O&M Year 5, O&M Year 4, O&M Year 3, O&M Year 2, O&M Year 1, Prior Period Amortization, DSDR Capital Costs, Income Taxes on DSDR Capital Costs, DSDR Property Taxes, DSDR Depreciation, Carrying Costs Net of Taxes, Income Taxes on Carrying Cost, Rev Reqmt Before PPI & NLR, Net Lost Revenue Recoupment, PPI/PRI, Rev Reqmt With PPI & NLR.

*All Non-Residential programs are amortized over a 3 year period. The Residential Lighting Program, Multi-Family EE, EE Education, Save Energy and Water Kit and Residential Energy Assessments are recoverable over a 3 year period. My Home Energy Report is recoverable over a 1 year period. All other Residential EE programs are recoverable over 3 years.

Please note: Exhibit may not foot due to rounding.

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Energy Allocation Factor ⁽²⁾	EE EMF Revenue Requirement								
			Residential Programs ⁽³⁾	CIG Programs ⁽⁴⁾	DSDR ⁽⁵⁾	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾	DSDR Allocated A&G and Carrying Costs ⁽⁵⁾	Total of Allocated Costs ^{(8) = Σ (3 thru 7)}	Less: Prior Period EE Rate Adjustment ⁽⁷⁾	Adjusted EE EMF Revenue Requirement ⁽¹⁰⁾⁼⁽⁸⁾⁻⁽⁹⁾	Total EE EMF Rate (cents/kWh) ^{(11) = (10) / (1)}
Residential	17,128,995,467	65.29%	\$60,646,588	\$ -	\$ 13,419,954	\$ 7,773,717	\$ 918,219	\$ 82,758,477	\$ 90,879,637	\$ (8,121,160)	(0.047)
General Service	8,734,624,909	33.29%	\$ -	\$33,780,457	\$ 6,843,265	\$ 4,698,475	\$ 468,229	\$ 45,790,427	\$ 61,699,717	\$ (15,909,290)	(0.182)
Lighting	371,886,089	1.42%	\$ -	\$ -	\$ 291,359	\$ -	\$ 19,935	\$ 311,295	\$ 389,271	\$ (77,976)	(0.021)
NC Retail	26,235,506,465	100.00%	\$60,646,588	\$33,780,457	\$ 20,554,578	\$12,472,192	\$ 1,406,383	\$ 128,860,198	\$ 152,968,624	\$ (24,108,426)	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Energy Allocation Factor is derived in Miller Exhibit 5, page 6, column (4).
- (3) Residential Program costs are allocated solely to the Residential rates in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) Non-residential Program costs are allocated solely to the General Service rates in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) DSDR Costs are allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives and net lost revenues) assigned in preceding columns.
- (7) Amounts are derived in Miller Exhibit 2, page 7.

Please note: Exhibit may not foot due to rounding.

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Demand-Side Management Experience Modification Factor Rate Derivation

DSM EMF Revenue Requirement

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	Allocated DSDR Program Costs ⁽³⁾	Residential EnergyWise Program Costs ⁽³⁾	Non - Residential DR Program ⁽⁴⁾	Allocated A&G Costs ⁽⁵⁾	Allocated Carrying Costs ⁽⁵⁾	Total of Allocated Costs	Less: Prior Period DSM Rate Adjustment ⁽⁶⁾	Adjusted DSM EMF Revenue Requirement	Total DSM EMF Rate (cents/kWh)
	(1)	(2)	(3)	(3)	(4)	(5)	(6)	(7) = Σ (3 thru 6)	(8)	(9)=(7)-(8)	(10) = (9) / (1)
Residential	17,128,995,467	74.57%	\$ -	\$ 14,885,935	\$ -	\$ 1,079,911	\$ 2,757,231	\$ 18,723,077	\$18,732,624	\$ (9,547)	-
General Service	8,660,219,034	25.43%	\$ -	\$ -	\$ 3,802,130	\$ 336,509	\$ 859,174	\$ 4,997,813	\$ 5,764,365	\$ (766,552)	(0.009)
Lighting	371,703,126	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
NC Retail	26,160,917,627	100%	\$ -	\$ 14,885,935	\$ 3,802,130	\$ 1,416,420	\$ 3,616,405	\$ 23,720,890	\$24,496,990	\$ (776,100)	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Exhibit 6.
- (2) Rate Class Demand Allocation Factor is derived in Miller Exhibit 5, page 7, column (5).
- (3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) CIG DR and Energy Wise for Business costs are directly assigned solely to the General Service Rate Class in compliance with the Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives and net lost revenues) assigned in preceding columns.
- (6) Amounts are derived in Miller Exhibit 2, page 7.

Please note: Exhibit may not foot due to rounding.

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
EMF Adjustment Summary
January 2022 - December 2022

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Line	Description	Residential				General Service				Lighting				Totals			
		DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total
1	Test Period DSM/EE Rate Billings ¹ <i>Amounts from Miller Exhibit 4</i>	\$ 18,732,624	\$ 19,448,763	\$ 70,329,884	\$ 108,511,270	\$ 5,664,009	\$ 10,839,520	\$ 48,287,644	\$ 64,791,173	\$ -	\$ 379,151	\$ -	\$ 379,151	\$ 24,396,634	\$ 30,667,434	\$ 118,617,527	\$ 173,681,595
2	Less: Uncollectible Allowance in Rates ²	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Over or (Under) collection of Uncollectibles ³																
4	True up of Vintage 2019 PPI ⁴ <i>Amounts from Summary (2019) - Exhibit</i>	-	-	-	-	228	-	299	527	-	-	-	-	228	-	299	527
5	True up of Vintage 2020 PPI ⁵ <i>Amounts from Summary (2020) - Exhibit</i>	-	-	-	-	17	-	23,814	23,831	-	-	-	-	17	-	23,814	23,831
6	True up of Vintage 2021 PPI ⁶ <i>Amounts from Summary (2021) - Exhibit</i>	-	-	-	-	-	-	202,778	202,778	-	-	-	-	-	-	202,778	202,778
7	True up of Vintage 2019 Lost Revenue through Year 2021 ⁷ <i>Amounts from Fields Exhibit 2 pages 4-6</i>			21,822	21,822	-		1,207	1,207					-	-	23,029	23,029
8	True up of Vintage 2020 Lost Revenue through Year 2021 ⁸ <i>Amounts from Fields Exhibit 2 pages 4-6</i>			6,622	6,622	-		49,887	49,887					-	-	56,509	56,509
9	True up of Vintage 2021 Lost Revenue through Year 2021 ⁹ <i>Amounts from Fields Exhibit 2 pages 4-6</i>			3,394	3,394	-		219,402	219,402					-	-	222,796	222,796
10	Interest on Overcollections/(Undercollections) ¹⁰ <i>Amounts from Miller Exhibit 3</i>	-	-	1,069,151	1,069,151	100,111	-	2,075,166	2,175,277	-	10,120	-	10,120	100,111	10,120	3,144,317	3,254,548
11	Net Adjustments to DSM/EE EMF Clause <i>Σ Lines 1 through 11</i>	\$ 18,732,624	\$ 19,448,763	\$ 71,430,874	\$ 109,612,261	\$ 5,764,365	\$ 10,839,520	\$ 50,860,197	\$ 67,464,082	\$ -	\$ 389,271	\$ -	\$ 389,271	\$ 24,496,990	\$ 30,677,554	\$ 122,291,071	\$ 177,465,614
		<i>Miller Exhibit 2 page 5</i>				<i>To Miller Exhibit 2 page 5</i>				<i>To Miller Exhibit 2 page 4 o Miller Exhibit 2 page 5</i>							
		\$90,879,637				\$61,699,717				\$152,968,624							
		<i>To Miller Exhibit 2 page 4</i>				<i>To Miller Exhibit 2 page 4</i>				<i>To Miller Exhibit 2 page 4</i>							

¹ Actual DSM/EE Rate billings for test period (January 2022 through December 2022).
² The Company is not requesting an adjustment for uncollectibles in this proceeding.
³ An uncollectible adjustment is not included in this rider filing due to the outstanding rate case and associated hearing.
⁴ See Vintage 2019 (True-Up) - Fields Exhibit 1 for a detail list of Vintage 2019 programs PPI true-ups
⁵ See Vintage 2020 (True Up) - Fields Exhibit 1 for a detail list of Vintage 2020 programs PPI true-ups
⁶ See Vintage 2021 (True Up) - Fields Exhibit 1 for a detail list of Vintage 2021 programs PPI true-ups
⁷ See Fields Exhibit 2 pages 3-6 for a detail list of Vintage 2019 programs impacted by EM&V true-ups
⁸ See Fields Exhibit 2 pages 3-6 for a detail list of Vintage 2020 programs impacted by EM&V true-ups
⁹ See Fields Exhibit 2 pages 3-6 for a detail list of Vintage 2021 programs impacted by EM&V true-ups
¹⁰ Calculated interest obligation associated with test period (January 1, 2022 through December 31, 2022).

Please note: Exhibit may not foot due to rounding.

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Estimated Return Calculation - Residential EE & DSM Programs Vintage 2022

	Residential EE Costs	Residential DSM Costs	Residential DSDR Program Costs Incurred	Total EE and DSM to be recovered	NC Residential Revenue Collected	NC Residential EE Program Collection %	EE Program Costs Revenue Collected	(Over)/Under Collection
2022 January	6,545,784	1,792,074	1,372,374	9,710,233	10,386,128	100.00%	(10,386,128)	(675,895)
2022 February	7,282,946	1,993,891	1,526,926	10,803,764	11,555,775	100.00%	(11,555,775)	(752,012)
2022 March	5,388,134	1,475,138	1,129,664	7,992,936	8,549,296	100.00%	(8,549,296)	(556,360)
2022 April	4,329,730	1,185,373	907,761	6,422,865	6,869,938	100.00%	(6,869,938)	(447,073)
2022 May	4,408,802	1,207,021	924,340	6,540,163	6,995,401	100.00%	(6,995,401)	(455,238)
2022 June	5,950,120	1,628,996	1,247,489	8,826,605	9,440,994	100.00%	(9,440,994)	(614,389)
2022 July	6,605,439	1,808,406	1,384,882	9,798,727	10,480,782	100.00%	(10,480,782)	(682,055)
2022 August	7,365,164	2,016,400	1,544,164	10,925,728	11,686,229	100.00%	(11,686,229)	(760,501)
2022 September	6,103,486	1,670,984	1,279,643	9,054,113	9,684,338	100.00%	(9,684,338)	(630,225)
2022 October	4,171,463	1,142,044	874,580	6,188,086	6,618,817	100.00%	(6,618,817)	(430,731)
2022 November	3,995,237	1,093,798	837,633	5,926,668	6,339,202	100.00%	(6,339,202)	(412,534)
2022 December	6,242,160	1,708,950	1,308,717	9,259,827	9,904,371	100.00%	(9,904,371)	(644,544)
	68,388,466	18,723,077	14,338,172	101,449,715	108,511,270			(7,061,556)

Note 1: Revenue source - CIM CRY4 reports

Note 2: Program & Carrying Costs allocated on a weighted average basis based on revenues collected.

	Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
2022 January	(675,895)	23.1330%	(156,355)	(156,355)	(519,540)	0.008333	(2,165)	(2,165)	0.76867	(2,816)
2022 February	(1,427,907)	23.1330%	(173,963)	(330,318)	(1,097,589)	0.008333	(6,738)	(8,903)	0.76867	(11,582)
2022 March	(1,984,267)	23.1330%	(128,703)	(459,020)	(1,525,246)	0.008333	(10,928)	(19,831)	0.76867	(25,799)
2022 April	(2,431,340)	23.1330%	(103,421)	(562,442)	(1,868,898)	0.008333	(14,142)	(33,974)	0.76867	(44,198)
2022 May	(2,886,577)	23.1330%	(105,310)	(667,752)	(2,218,825)	0.008333	(17,032)	(51,006)	0.76867	(66,356)
2022 June	(3,500,966)	23.1330%	(142,127)	(809,878)	(2,691,088)	0.008333	(20,458)	(71,464)	0.76867	(92,971)
2022 July	(4,183,021)	23.1330%	(157,780)	(967,658)	(3,215,363)	0.008333	(24,610)	(96,074)	0.76867	(124,987)
2022 August	(4,943,522)	23.1330%	(175,927)	(1,143,585)	(3,799,937)	0.008333	(29,230)	(125,304)	0.76867	(163,014)
2022 September	(5,573,747)	23.1330%	(145,790)	(1,289,375)	(4,284,372)	0.008333	(33,685)	(158,989)	0.76867	(206,836)
2022 October	(6,004,478)	23.1330%	(99,641)	(1,389,016)	(4,615,462)	0.008333	(37,083)	(196,072)	0.76867	(255,079)
2022 November	(6,417,012)	23.1330%	(95,432)	(1,484,447)	(4,932,565)	0.008333	(39,783)	(235,855)	0.76867	(306,835)
2022 December	(7,061,556)	23.1330%	(149,102)	(1,633,550)	(5,428,006)	0.008333	(43,169)	(279,024)	0.76867	(362,996)
Checks			(1,633,550)	(1,633,550)	(1,633,550)		(279,024)			(362,996)
		2022 tax rate				10.00%			0.76867	
					Twelve months return on 2022 Year End Balance	(5,428,006)	(542,801)			(706,156)
					Total return on Residential EE& DSM Programs					(1,069,151)

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Estimated Return Calculation -Non-Residential DSM Programs Vintage 2022

		Non-Residential DSM Program Costs Incurred	Non-Residential Allcoated Carrying Costs & A&G	Total Program Costs Incurred	NC Non-Residential DSM Revenue Collected	NC Non- Residential DSM Program Collection %	Non- Residential DSM Program Costs Revenue Collected	(Over)/Under Collection
2022	January	272,770	85,786	358,556	406,371	100.0000%	(406,371)	(47,815)
2022	February	373,929	117,600	491,528	557,075	100.0000%	(557,075)	(65,547)
2022	March	312,026	98,131	410,158	464,854	100.0000%	(464,854)	(54,696)
2022	April	270,554	85,088	355,642	403,068	100.0000%	(403,068)	(47,426)
2022	May	300,244	94,426	394,670	447,301	100.0000%	(447,301)	(52,630)
2022	June	334,268	105,126	439,394	497,989	100.0000%	(497,989)	(58,595)
2022	July	350,379	110,193	460,573	521,992	100.0000%	(521,992)	(61,419)
2022	August	393,682	123,812	517,494	586,503	100.0000%	(586,503)	(69,009)
2022	September	323,958	101,884	425,843	482,630	100.0000%	(482,630)	(56,787)
2022	October	320,269	100,724	420,993	477,133	100.0000%	(477,133)	(56,141)
2022	November	250,715	78,849	329,564	373,512	100.0000%	(373,512)	(43,948)
2022	December	299,091	94,063	393,154	445,582	100.0000%	(445,582)	(52,428)
		3,801,885	1,195,683	4,997,568	5,664,009		(5,664,009)	(666,441)

Note 1: Revenue source - CIM CRY4 reports

Note 2: Program & Carrying Costs allocated on a weighted average basis based on revenues collected.

		Cumulative (Over)/Under Recovery	Current Income Tax Rate 2022 tax rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return 10.00%	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate 0.76867	Gross up of Return to Pretax
2022	January	(47,815)	23.1330%	(11,061)	(11,061)	(36,754)	0.008333	(153)	(153)	0.76867	(199)
2022	February	(113,361)	23.1330%	(15,163)	(26,224)	(87,138)	0.008333	(516)	(669)	0.76867	(871)
2022	March	(168,057)	23.1330%	(12,653)	(38,877)	(129,181)	0.008333	(901)	(1,571)	0.76867	(2,043)
2022	April	(215,483)	23.1330%	(10,971)	(49,848)	(165,636)	0.008333	(1,228)	(2,799)	0.76867	(3,641)
2022	May	(268,114)	23.1330%	(12,175)	(62,023)	(206,091)	0.008333	(1,549)	(4,348)	0.76867	(5,656)
2022	June	(326,708)	23.1330%	(13,555)	(75,577)	(251,131)	0.008333	(1,905)	(6,253)	0.76867	(8,135)
2022	July	(388,127)	23.1330%	(14,208)	(89,785)	(298,342)	0.008333	(2,289)	(8,542)	0.76867	(11,113)
2022	August	(457,137)	23.1330%	(15,964)	(105,749)	(351,387)	0.008333	(2,707)	(11,250)	0.76867	(14,635)
2022	September	(513,924)	23.1330%	(13,137)	(118,886)	(395,038)	0.008333	(3,110)	(14,360)	0.76867	(18,681)
2022	October	(570,065)	23.1330%	(12,987)	(131,873)	(438,192)	0.008333	(3,472)	(17,832)	0.76867	(23,198)
2022	November	(614,013)	23.1330%	(10,167)	(142,040)	(471,973)	0.008333	(3,792)	(21,624)	0.76867	(28,132)
2022	December	(666,441)	23.1330%	(12,128)	(154,168)	(512,274)	0.008333	(4,101)	(25,725)	0.76867	(33,467)
	Checks			(154,168)	(154,168)	(154,168)		(25,725)			(33,467)
						(512,274)		(51,227)			(66,644)
											(100,111)

Twelve months return on 2022 Year End Balance

Total return on Non-Residential DSM

Duke Energy Progress, LLC
Docket No. E-2, Sub 1322
Estimated Return Calculation -Lighting DSDR Programs Vintage 2022

		Lighting DSDR Program Costs Incurred	Lighting Allocated Carrying Costs & A&G	Total Program Costs Incurred	NC Lighting Revenue Collected	NC Lighting Program Collection %	Lighting Program Costs Revenue Collected	(Over)/Under Collection
2022	January	15,019	1,028	16,047	19,544	100.0000%	(19,544)	(3,498)
2022	February	22,574	1,545	24,118	29,376	100.0000%	(29,376)	(5,257)
2022	March	25,220	1,726	26,946	32,819	100.0000%	(32,819)	(5,874)
2022	April	30,295	2,073	32,367	39,423	100.0000%	(39,423)	(7,055)
2022	May	29,341	2,008	31,348	38,182	100.0000%	(38,182)	(6,833)
2022	June	24,489	1,676	26,164	31,868	100.0000%	(31,868)	(5,703)
2022	July	23,455	1,605	25,059	30,522	100.0000%	(30,522)	(5,462)
2022	August	24,792	1,696	26,489	32,263	100.0000%	(32,263)	(5,774)
2022	September	23,658	1,619	25,276	30,786	100.0000%	(30,786)	(5,510)
2022	October	24,523	1,678	26,201	31,913	100.0000%	(31,913)	(5,711)
2022	November	23,328	1,596	24,925	30,358	100.0000%	(30,358)	(5,433)
2022	December	24,667	1,688	26,354	32,099	100.0000%	(32,099)	(5,745)
		291,359	19,935	311,295	379,151		(379,151)	(67,856)

Note 1: Revenue source - CIM CRY4 reports

Note 2: Program & Carrying Costs allocated on a weighted average basis based on revenues collected.

		Cumulative (Over)/Under Recovery	Current Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
			2022 tax rate				10.00%			0.76867	
2022	January	(3,498)	23.1330%	(809)	(809)	(2,689)	0.008333	(11)	(11)	0.76867	(15)
2022	February	(8,755)	23.1330%	(1,216)	(2,025)	(6,730)	0.008333	(39)	(50)	0.76867	(66)
2022	March	(14,629)	23.1330%	(1,359)	(3,384)	(11,245)	0.008333	(75)	(125)	0.76867	(163)
2022	April	(21,684)	23.1330%	(1,632)	(5,016)	(16,668)	0.008333	(116)	(242)	0.76867	(314)
2022	May	(28,517)	23.1330%	(1,581)	(6,597)	(21,921)	0.008333	(161)	(402)	0.76867	(524)
2022	June	(34,221)	23.1330%	(1,319)	(7,916)	(26,304)	0.008333	(201)	(603)	0.76867	(785)
2022	July	(39,683)	23.1330%	(1,264)	(9,180)	(30,503)	0.008333	(237)	(840)	0.76867	(1,093)
2022	August	(45,457)	23.1330%	(1,336)	(10,516)	(34,942)	0.008333	(273)	(1,113)	0.76867	(1,448)
2022	September	(50,967)	23.1330%	(1,275)	(11,790)	(39,177)	0.008333	(309)	(1,422)	0.76867	(1,849)
2022	October	(56,678)	23.1330%	(1,321)	(13,111)	(43,567)	0.008333	(345)	(1,766)	0.76867	(2,298)
2022	November	(62,111)	23.1330%	(1,257)	(14,368)	(47,743)	0.008333	(380)	(2,147)	0.76867	(2,793)
2022	December	(67,856)	23.1330%	(1,329)	(15,697)	(52,159)	0.008333	(416)	(2,563)	0.76867	(3,334)
	Checks			(15,697)	(15,697)	(15,697)		(2,563)			(3,334)
	Twelve months return on 2022 Year End Balance					(52,159)		(5,216)			(6,786)
	Total return on DSDR Lighting										(10,120)