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August 28, 2023

VIA ELECTRONIC FILING

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

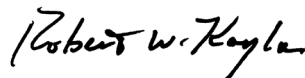
**Re: Duke Energy Progress, LLC's DSM/EE Cost Recovery Rider –
Supplemental Testimony and Exhibits--Correction
Docket No. E-2, Sub 1322**

Dear Ms. Dunston:

On Thursday, August 24, 2023, Duke Energy Progress, LLC filed the Supplemental Testimony and Exhibits of Casey Q. Fields and Carolyn T. Miller in the above-referenced docket. The documents were inadvertently filed under Ladawn Toon's name. Therefore, we are refileing under Robert W. Kaylor's name. There were no other changes to the testimony and exhibits. We apologize for any inconvenience this may have caused.

Please do not hesitate to contact me if you have any questions.

Sincerely,



Robert W. Kaylor

Enclosures

cc: Parties of Record

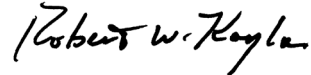
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Aug 28 2023

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Progress, LLC's Supplemental Testimony and Exhibits – Corrected Copy, in Docket No. E-2, Sub 1322, has been served by electronic mail, hand delivery, or by depositing a copy in the United States Mail, 1st Class Postage Prepaid, properly addressed to parties of record.

This the 28th day of August, 2023.



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ATTORNEY FOR DUKE ENERGY
CAROLINAS, LLC

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)	
for Approval of Demand-Side Management)	
and Energy Efficiency Cost Recovery Rider)	
Pursuant to N.C. Gen. Stat. § 62-133.9 and)	
Commission Rule R8-69)	SUPPLEMENTAL DIRECT TESTIMONY OF CASEY Q. FIELDS FOR DUKE ENERGY PROGRESS, LLC

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I. INTRODUCTION AND PURPOSE

Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A. My name is Casey Q. Fields, and my business address is 411 Fayetteville Street, Raleigh, North Carolina 27601.

Q. DID YOU PREVIOUSLY FILE DIRECT TESTIMONY IN THIS MATTER BEFORE THE NORTH CAROLINA UTILITIES COMMISSION?

A. Yes. I filed direct testimony on behalf of Duke Energy Progress, LLC (“DEP” or the “Company”) in this matter on June 13, 2023.

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

A. The purpose of my supplemental direct testimony is to update Fields Exhibits 1, 2, 5, 7, 12 with my direct testimony in this docket on June 13, 2023, to reflect certain updates and corrections.

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

A. Yes.

II. UPDATES TO DIRECT TESTIMONY

Q. PLEASE DESCRIBE THE UPDATES TO YOUR DIRECT TESTIMONY.

A. Exhibits 1, 2, 7, 12 have been updated to include a few minor modifications to tables that includes the impacts of the Smart Saver Non-Residential Prescriptive Program to appropriately reflect the application of a recent Evaluation,

1 Measurement, and Verification in Vintages 2021, 2022, and 2024 as well as
2 to reconcile participation in Vintage 2021. The modifications impacted the
3 proposed non-residential energy efficiency billing factor as outlined in the
4 supplemental direct testimony of Company witness Carolyn T. Miller.

5 **Q. ARE THERE ANY OTHER UPDATES OR CORRECTIONS THAT**
6 **NEED TO BE MADE TO YOUR DIRECT TESTIMONY?**

7 A. Exhibit 5 has been updated to provide corrections to the table to align with the
8 Annual Report for Distribution System Demand Response.

9 **Q. DOES THIS CONCLUDE YOUR PRE-FILED SUPPLEMENTAL**
10 **DIRECT TESTIMONY?**

11 A. Yes.

**Duke Energy Progress
Fields Exhibit 1
Vintage 2019 True Up - January 1, 2019 to December 31, 2019
Docket Number E-2, Sub 1322
Load Impacts and Estimated Revenue Requirements by Program**

	A	B	C	D	E	F	G	H			
				=(A-B)*C	=(B+D)			=AF (from page 2)			
	System KW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement (2)	NC Retail KWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement (2)	NC Residential Adjusted Revenue Requirement	
Residential Programs											
EE Programs											
1 Appliance Recycling Program	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.634%	E1 * F1	\$ -	\$ -
2 Energy Efficient Appliances and Devices	4,984	18,394,631	10,224,171	\$ 2,160,799	11.75%	\$ 947,446	\$ 3,108,246	85.634%	E2 * F2	\$ 2,661,704	\$ -
3 Energy Efficiency Education Program	392	3,283,839	1,039,694	\$ 747,483	0.00%	\$ -	\$ 747,483	85.634%	E3 * F3	\$ 640,097	\$ -
4 Energy Efficient Lighting	5,497	33,349,231	27,067,315	\$ 11,993,695	11.75%	\$ 1,771,150	\$ 13,764,845	85.634%	E4 * F4	\$ 11,787,340	\$ -
5 Residential Smart Saver®	1,862	6,756,132	5,417,341	\$ 6,411,758	11.75%	\$ (116,844)	\$ 6,294,914	85.634%	E5 * F5	\$ 5,390,565	\$ -
6 Weatherization Pilot	34	178,739	109,701	\$ 27,356	0.00%	\$ -	\$ 27,356	85.634%	E6 * F6	\$ 23,426	\$ -
7 Multi-Family Energy Efficiency Program	1,583	11,855,149	5,977,179	\$ 2,156,484	11.75%	\$ 448,932	\$ 2,605,416	85.634%	E7 * F7	\$ 2,231,113	\$ -
8 Neighborhood Energy Saver	451	3,115,614	1,244,442	\$ 1,671,298	0.00%	\$ -	\$ 1,671,298	85.634%	E8 * F8	\$ 1,431,193	\$ -
9 Residential Energy Assessments	943	7,834,474	4,344,111	\$ 2,113,798	11.75%	\$ 262,062	\$ 2,375,860	85.634%	E9 * F9	\$ 2,034,535	\$ -
10 Residential New Construction	4,665	16,337,464	19,396,567	\$ 15,113,951	11.75%	\$ 503,207	\$ 15,617,158	85.634%	E10 * F11	\$ 13,373,543	\$ -
11 Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.634%	E11 * F11	\$ -	\$ -
12 Total for Residential Conservation Programs	20,411	101,105,273	74,820,520	\$ 42,396,623		\$ 3,815,953	\$ 46,212,576			\$ 39,573,516	\$ -
13 My Home Energy Report	53,425	152,888,746	11,494,728	\$ 6,299,307	11.75%	\$ 610,462	\$ 6,909,769	85.634%	E13*F13	\$ 5,917,088	\$ -
14 Total Residential Conservation and Behavioral Programs	73,836	253,994,018	\$ 86,315,249	\$ 48,695,930		\$ 4,426,415	\$ 53,122,345			\$ 45,490,604	\$ -
								NC Residential Peak Demand Allocation Factor	Allocation Factor (2)		
15 EnergyWise	28,993	-	53,221,850	\$ 5,806,874	11.75%	\$ 5,571,260	\$ 11,378,134	86.691%	49.60%	\$ 6,763,816	\$ -
16 Total Residential	102,829	253,994,018	\$ 139,537,098	\$ 54,502,804		\$ 9,997,675	\$ 64,500,479			\$ 52,254,420	\$ -
Non-Residential Programs											
EE Programs											
17 Energy Efficient Lighting	2,275	8,778,572	\$ 8,347,756	\$ 1,453,336	11.75%	\$ 810,094	\$ 2,263,431	85.634%	E17 * F17	\$ 1,938,258	\$ -
18 Smart Saver® Non-Residential Prescriptive	9,065	49,660,939	31,468,924	\$ 7,877,838	11.75%	\$ 2,771,953	\$ 10,649,791	85.634%	E18 * F18	\$ 9,119,805	\$ 299
19 Smart Saver® Non-Residential - Custom	3,124	13,129,686	9,658,177	\$ 2,776,482	11.75%	\$ 808,599	\$ 3,585,082	85.634%	E19 * F19	\$ 3,070,036	\$ -
20 Smart Saver(R) Non-Residential Performance Incentive Program	99	1,356,835	606,333	\$ 267,186	11.75%	\$ 39,850	\$ 307,036	85.634%	E20 * F20	\$ 262,926	\$ -
21 Small Business Energy Saver	6,338	36,430,983	17,456,367	\$ 7,301,790	11.75%	\$ 1,193,163	\$ 8,494,953	85.634%	E21 * F21	\$ 7,274,538	\$ -
22 Total for Non-Residential Conservation Programs	20,902	109,357,016	\$ 67,537,557	\$ 19,676,634		\$ 5,623,658	\$ 25,300,292			\$ 21,665,563	\$ 299
23 EnergyWise for Business	4,981	1,052,210	921,420	\$ 2,412,880	11.75%	\$ (175,246)	\$ 2,237,633	86.691%		\$ 3,533,564	\$ 228
24 Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EEB)	2,567	-	4,394,068	\$ 1,811,347	11.75%	\$ 303,470	\$ 2,114,817	86.691%	...	\$ 3,339,618	\$ -
25 Total for Non-Residential DSM Programs	7,548	1,052,210	\$ 5,315,489	\$ 4,224,227		\$ 128,223	\$ 4,352,450	86.691%	Allocation Factor 50.40%	\$ 6,873,182	\$ 228
26 Total Non Residential	28,449	110,409,226	\$ 72,853,046	\$ 23,900,860		\$ 5,751,882	\$ 29,652,742			\$ 28,538,745	\$ 527
27 Total All Programs	131,278	364,403,244	\$ 212,390,144	\$ 78,403,665		\$ 15,749,557	\$ 94,153,221			\$ 80,793,165	\$ 527
(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year (2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak											
28 DSDR	334,197	38,083,660		\$ 18,305,182			\$ 18,305,182				
29 Total with DSDR	465,475	402,486,905	\$ 212,390,144	\$ 96,708,846		\$ 15,749,557	\$ 112,458,403			\$ 80,793,165	\$ 527

Duke Energy Progress
Fields Exhibit 5
Vintage 2019 True Up - January 1, 2019 to December 31, 2019
Docket Number E-2, Sub 1322
Load Impacts and Estimated Revenue Requirements by Program

A	B	C	D	E	F	G	H	I	J	K	L	M	N	Q	P																		
									+CB	+AC	+PMTE,F,D	+1B	+3I	+4K		+5L'E	+6N																
Residential Programs	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2019 - Year 1 PPI	Income Tax Gross-Up Factor	Original Vintage 2019 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection	Carrying Costs	PPI Over/(Under) Collection - w/Cost	Z Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	Vintage 2018 PPI	PPI Values for Test Period							
	EE Programs																																
1	Appliance Recycling Program	\$	811,333	23.17%	\$	(187,963)	\$	623,353	6.64%	10	\$	150,574	76.83%	\$	195,981	\$	-	1	\$	-	-	-	-	\$	119,754	\$	-	\$	799	\$	119,754		
2	Appliances and Devices	\$	811,333	23.17%	\$	(187,963)	\$	623,353	6.64%	5	\$	150,574	76.83%	\$	195,981	\$	-	1	\$	-	-	-	-	\$	119,754	\$	-	\$	799	\$	119,754		
3	Energy Education Program for Schools	\$	-	23.17%	\$	-	\$	-	6.64%	NA	\$	-	76.83%	\$	-	\$	-	1	\$	-	-	-	-	\$	-	\$	-	\$	-	\$	-		
4	Energy Efficient Lighting	\$	1,116,701	23.17%	\$	(251,409)	\$	1,165,232	6.64%	5	\$	281,482	76.83%	\$	366,368	\$	-	1	\$	-	-	-	-	\$	418,660	\$	-	\$	473,444	\$	418,660		
5	Residential Service - Smart Saver	\$	(100,058)	23.17%	\$	23,163	\$	(76,875)	6.64%	10	\$	(10,765)	76.83%	\$	(14,011)	\$	-	1	\$	-	-	-	-	\$	14,667	\$	0	\$	24,334	\$	13,823		
6	Low Income Weatherization Pilot	\$	-	23.17%	\$	-	\$	-	6.64%	5	\$	-	76.83%	\$	-	\$	-	1	\$	-	-	-	-	\$	-	\$	-	\$	-	\$	-		
7	Multi-Family Energy Efficiency Program	\$	384,437	23.17%	\$	(89,071)	\$	295,366	6.64%	5	\$	71,347	76.83%	\$	92,863	\$	-	1	\$	-	-	-	-	\$	193,329	\$	-	\$	124,282	\$	186,211		
8	Neighborhood Energy Saver	\$	-	23.17%	\$	-	\$	-	6.64%	NA	\$	-	76.83%	\$	-	\$	-	1	\$	-	-	-	-	\$	-	\$	-	\$	-	\$	-		
9	Residential Energy Assessments	\$	224,413	23.17%	\$	(51,995)	\$	172,418	6.64%	5	\$	41,548	76.83%	\$	54,208	\$	-	1	\$	-	-	-	-	\$	83,543	\$	-	\$	88,534	\$	85,701		
10	Residential New Construction	\$	430,915	23.17%	\$	(99,849)	\$	331,075	6.64%	10	\$	46,360	76.83%	\$	60,340	\$	-	1	\$	-	-	-	-	\$	47,653	\$	54,738	\$	72,258	\$	139,487		
11	Residential Home Advantage	\$	3,287,740	23.17%	\$	(797,112)	\$	2,510,628	6.64%	10	\$	590,646	76.83%	\$	755,748	\$	-	1	\$	-	-	-	-	\$	7,225,545	\$	677,879	\$	526,684	\$	829,814	\$	702,066
12	Total for Residential Conservation Programs	\$	3,287,740	23.17%	\$	(797,112)	\$	2,510,628	6.64%	10	\$	590,646	76.83%	\$	755,748	\$	-	1	\$	-	-	-	-	\$	7,225,545	\$	677,879	\$	526,684	\$	829,814	\$	702,066
13	My Home Energy Report	\$	522,261	23.17%	\$	(121,120)	\$	401,841	6.64%	1	\$	401,841	76.83%	\$	522,261	\$	-	1	\$	-	-	-	-	\$	-	\$	-	\$	-	\$	-	\$	522,261
14	Total Residential Conservation and Behavioral Programs	\$	3,790,001	23.17%	\$	(918,232)	\$	2,871,769	6.64%	1	\$	902,207	76.83%	\$	1,278,508	\$	-	1	\$	-	-	-	-	\$	7,225,545	\$	677,879	\$	526,684	\$	829,814	\$	702,066
15	EnergyWise	\$	4,929,790	23.17%	\$	(1,119,026)	\$	3,710,764	6.64%	10	\$	519,629	76.83%	\$	676,304	\$	-	1	\$	-	-	-	-	\$	6,533,589	\$	614,048	\$	791,456	\$	347,959	\$	401,264
16	Total Residential	\$	11,927,256	23.17%	\$	(2,726,726)	\$	6,693,022	6.64%	10	\$	1,504,856	76.83%	\$	1,954,812	\$	-	1	\$	-	-	-	-	\$	17,929,127	\$	1,720,927	\$	1,508,142	\$	1,177,773	\$	849,221
Non-Residential Programs																																	
EE Programs																																	
17	Energy Efficient Lighting	\$	693,713	23.17%	\$	(160,723)	\$	532,985	6.64%	5	\$	128,745	76.83%	\$	167,570	\$	-	1	\$	-	-	-	-	\$	1,377,490	\$	-	\$	134,853	\$	74,572	\$	153,107
18	Non-Residential Smart Saver Prescriptive	\$	2,373,724	23.17%	\$	(549,975)	\$	1,823,749	6.64%	3	\$	690,397	76.83%	\$	898,595	\$	280	1	\$	280	19	299	\$	7,504,780	\$	-	\$	452,376	\$	648,907	\$	722,666	
19	Non-Residential Smart Saver Custom	\$	662,433	23.17%	\$	(160,422)	\$	502,011	6.64%	3	\$	201,384	76.83%	\$	262,127	\$	-	1	\$	-	-	-	-	\$	256,638	\$	-	\$	-	\$	-	\$	-
20	Non-Res SmartSaver Performance	\$	34,125	23.17%	\$	(7,805)	\$	26,318	6.64%	3	\$	9,825	76.83%	\$	12,918	\$	-	1	\$	-	-	-	-	\$	30,402	\$	-	\$	-	\$	-	\$	7,194
21	Small Business Energy Saver	\$	1,661,729	23.17%	\$	(326,732)	\$	1,335,027	6.64%	3	\$	297,125	76.83%	\$	386,736	\$	280	1	\$	280	19	299	\$	1,248,278	\$	-	\$	-	\$	80,700	\$	212,324	
22	Total for Non-Residential Conservation Programs	\$	4,815,744	23.17%	\$	(1,115,774)	\$	3,699,970	6.64%	3	\$	1,207,656	76.83%	\$	1,728,600	\$	280	1	\$	280	19	299	\$	10,916,988	\$	-	\$	587,229	\$	724,479	\$	875,773	
23	EnergyWise for Business	\$	151,829	23.17%	\$	35,189	\$	(116,220)	6.64%	1	\$	(116,220)	76.83%	\$	(151,323)	\$	228	1	\$	228	-	-	-	\$	17,655	\$	-	\$	-	\$	-	\$	-
24	Commercial, Industrial, & Governmental Demand Response	\$	283,081	23.17%	\$	(60,954)	\$	202,127	6.64%	3	\$	76,517	76.83%	\$	99,592	\$	228	1	\$	228	-	-	-	\$	243,801	\$	-	\$	65,722	\$	17,655	\$	28,315
25	Total for Non-Residential DSM Programs	\$	111,158	23.17%	\$	(25,765)	\$	85,404	6.64%	3	\$	(40,206)	76.83%	\$	(52,331)	\$	228	1	\$	228	-	-	-	\$	65,722	\$	-	\$	17,655	\$	28,315	\$	9,714
26	Total Non-Residential	\$	(1,141,620)	23.17%	\$	(3,785,373)	\$	(1,287,430)	6.64%	3	\$	1,675,671	76.83%	\$	1,676,179	\$	508	1	\$	508	19	227	\$	11,158,890	\$	-	\$	652,951	\$	749,134	\$	904,088	
27	Total All Programs	\$	13,647,183	23.17%	\$	(3,158,787)	\$	10,408,395	6.64%	10	\$	2,780,526	76.83%	\$	3,630,983	\$	508	1	\$	508	19	227	\$	23,018,017	\$	-	\$	2,373,878	\$	2,060,273	\$	2,081,861	

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year, including impacts for participants from prior vintages
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Progress
Fields Exhibit 1
Vintage 2020 True Up - January 1, 2020 to December 31, 2020
Docket Number E-2, Sub 1322
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H				
				=(A-B)*C	=(B+D)			=AF (from page 2)				
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement ⁽²⁾	NC Residential Adjusted Revenue Requirement		
Residential Programs												
EE Programs												
1	Appliance Recycling Program	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.754%	E1 * F1	\$ -	\$ -	
2	Energy Efficient Appliances and Devices	2,606	17,958,166	\$ 8,710,041	\$ 3,051,854	11.75%	\$ 664,837	\$ 3,716,691	85.754%	E2 * F2	\$ 3,187,227	\$ -
3	Energy Efficiency Education Program	(62)	1,772,474	\$ 412,495	\$ 388,273	0.00%	\$ -	\$ 388,273	85.754%	E3 * F3	\$ 332,961	\$ -
4	Energy Efficient Lighting	3,123	18,942,865	\$ 15,408,720	\$ 5,385,332	11.75%	\$ 1,177,748	\$ 6,563,080	85.754%	E4 * F4	\$ 5,628,131	\$ -
5	Residential Smart Saver®	1,925	6,893,070	\$ 5,453,175	\$ 6,494,225	11.75%	\$ (122,323)	\$ 6,371,902	85.754%	E5 * F5	\$ 5,464,187	\$ -
6	Weatherization Pilot	27	133,541	\$ 79,198	\$ 51,370	0.00%	\$ -	\$ 51,370	85.754%	E6 * F6	\$ 44,052	\$ -
7	Multi-Family Energy Efficiency Program	369	2,816,526	\$ 1,389,245	\$ 892,251	11.75%	\$ 58,397	\$ 950,647	85.754%	E7 * F7	\$ 815,222	\$ -
8	Neighborhood Energy Saver	56	349,777	\$ 143,940	\$ 401,046	0.00%	\$ -	\$ 401,046	85.754%	E8 * F8	\$ 343,914	\$ -
9	Residential Energy Assessments	861	7,151,467	\$ 4,050,428	\$ 2,160,729	11.75%	\$ 222,040	\$ 2,382,769	85.754%	E9 * F9	\$ 2,043,329	\$ -
10	Residential New Construction	5,358	20,007,860	\$ 22,840,461	\$ 18,861,261	11.75%	\$ 467,556	\$ 19,328,817	85.754%	E10 * F11	\$ 16,575,314	\$ -
11	Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.754%	E11 * F11	\$ -	\$ -
12	Total for Residential Conservation Programs	14,262	76,025,745	\$ 58,487,704	\$ 37,686,341		\$ 2,468,254	\$ 40,154,595			\$ 34,434,337	\$ -
13	My Home Energy Report	53,597	153,286,583	\$ 10,733,674	\$ 7,369,336	11.75%	\$ 395,310	\$ 7,764,646	85.754%	E13*F13	\$ 6,658,527	\$ -
14	Total Residential Conservation and Behavioral Programs	67,859	229,312,328	\$ 69,221,378	\$ 45,055,677		\$ 2,863,564	\$ 47,919,241			\$ 41,092,864	\$ -
15	EnergyWise	17,810	-	\$ 8,817,400	\$ 1,110,200	11.75%	\$ 905,596	\$ 2,015,796	86.339%	Allocati on	\$ 2,202,152	\$ -
16	Total Residential	85,669	229,312,328	\$ 78,038,778	\$ 46,165,877		\$ 3,769,160	\$ 49,935,037			\$ 43,295,016	\$ -
Non-Residential Programs												
EE Programs												
17	Energy Efficient Lighting	1,294	4,993,362	\$ 4,684,106	\$ 610,362	11.75%	\$ 478,665	\$ 1,089,027	85.754%	E17 * F17	\$ 933,888	\$ -
18	Smart Saver® Non Residential Prescriptive	7,699	46,347,977	\$ 28,514,369	\$ 7,863,953	11.75%	\$ 2,426,424	\$ 10,290,377	85.754%	E18 * F18	\$ 8,824,452	\$ 259
19	Smart Saver® Non-Residential - Custom	3,024	12,768,124	\$ 9,481,018	\$ 3,514,807	11.75%	\$ 701,030	\$ 4,215,837	85.754%	E19 * F19	\$ 3,615,266	\$ -
20	Smart Saver(R) Non Residential Performance Incentive Program	223	3,104,355	\$ 1,239,947	\$ 386,339	11.75%	\$ 100,299	\$ 486,638	85.754%	E20 * F20	\$ 417,133	\$ -
21	Small Business Energy Saver	3,848	22,675,420	\$ 10,540,437	\$ 5,004,816	11.75%	\$ 650,435	\$ 5,655,252	85.754%	E21 * F21	\$ 4,849,628	\$ 23,555
22	Total for Non-Residential Conservation Programs	16,089	89,889,238	\$ 54,459,876	\$ 17,380,276		\$ 4,356,853	\$ 21,737,129			\$ 18,640,547	\$ 23,814
23	EnergyWise for Business	5,063	548,159	\$ 691,466	\$ 1,896,524	11.75%	\$ (141,594)	\$ 1,754,930	86.339%	Allocati on	\$ 1,269,442	\$ 17
24	Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EEB)	1,928	-	\$ 2,964,614	\$ 1,352,902	11.75%	\$ 189,976	\$ 1,542,278	86.339%	51.99%	\$ 1,115,619	\$ -
25	Total for Non-Residential DSM Programs	6,991	548,159	\$ 3,656,079	\$ 3,249,426		\$ 47,782	\$ 3,297,208	86.339%		\$ 2,385,062	\$ 17
26	Total Non Residential	23,080	90,437,397	\$ 58,115,956	\$ 20,629,702		\$ 4,404,635	\$ 25,034,337			\$ 21,025,609	\$ 23,831
27	Total All Programs	108,748	319,749,725	\$ 136,154,734	\$ 66,795,579		\$ 8,173,795	\$ 74,969,374			\$ 64,320,625	\$ 23,831
(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year												
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak												
28	DSDR	205,053	32,097,809	\$ -	\$ 16,923,949		\$ -	\$ 16,923,949			\$ -	\$ -
29	Total with DSDR	313,801	351,847,533	\$ 136,154,734	\$ 83,719,528		\$ 8,173,795	\$ 91,893,323			\$ 64,320,625	\$ 23,831

Duke Energy Progress
Fields Exhibit 1
Vintage 2021 True Up - January 1, 2021 to December 31, 2021
Docket Number E-2, Sub 1322
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H					
				=(A-B)*C	=(B+D)			(from page 2)					
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement ⁽¹⁾	NC Residential Adjusted Revenue Requirement		
Residential Programs													
EE Programs													
1	Appliance Recycling Program	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.940%	E1 * F1	\$ -	\$ -	
2	Energy Efficient Appliances and Devices	2,107	2,911	11,590,763	\$ 5,644,364	\$ 1,336,043	11.75%	\$ 506,228	\$ 1,842,270	85.940%	E2 * F2	\$ 1,583,239	\$ -
3	Energy Efficiency Education Program	(316)	10	1,857,439	\$ 360,751	\$ 396,660	0.00%	\$ -	\$ 396,660	85.940%	E3 * F3	\$ 340,888	\$ -
4	Energy Efficient Lighting	3,181	1,416	19,297,093	\$ 11,379,809	\$ 5,580,078	11.75%	\$ 681,468	\$ 6,261,547	85.940%	E4 * F4	\$ 5,381,146	\$ (0)
5	Residential Smart Saver [®]	1,922	614	6,809,114	\$ 3,855,373	\$ 6,365,722	11.75%	\$ (294,966)	\$ 6,070,756	85.940%	E5 * F5	\$ 5,217,181	\$ -
6	Weatherization Pilot	53	39	249,853	\$ 123,740	\$ 63,139	0.00%	\$ -	\$ 63,139	85.940%	E6 * F6	\$ 54,261	\$ -
7	Multi-Family Energy Efficiency Program	187	286	1,474,721	\$ 673,764	\$ 377,471	11.75%	\$ 34,814	\$ 412,285	85.940%	E7 * F7	\$ 354,316	\$ -
8	Neighborhood Energy Saver	83	77	427,569	\$ 187,939	\$ 601,722	0.00%	\$ -	\$ 601,722	85.940%	E8 * F8	\$ 517,117	\$ -
9	Residential Energy Assessments	703	571	6,006,904	\$ 2,870,462	\$ 2,046,087	11.75%	\$ 96,864	\$ 2,142,951	85.940%	E9 * F9	\$ 1,841,643	\$ -
10	Residential New Construction	4,854	5,981	19,718,837	\$ 20,371,403	\$ 18,415,175	11.75%	\$ 229,857	\$ 18,645,032	85.940%	E10 * F11	\$ 16,023,459	\$ -
11	Residential Home Advantage	-	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.940%	E11 * F11	\$ -	\$ -
12	Total for Residential Conservation Programs	12,774	11,905	67,432,291	\$ 45,467,606	\$ 35,182,097		\$ 1,254,265	\$ 36,436,362			\$ 31,313,250	\$ -
13	My Home Energy Report	35,870	33,131	186,446,714	\$ 9,398,049	\$ 4,152,580	11.75%	\$ 616,343	\$ 4,768,923	85.940%	E13*F13	\$ 4,098,392	\$ -
14	Total Residential Conservation and Behavioral Programs	48,643	45,037	253,879,005	\$ 54,865,655	\$ 39,334,677		\$ 1,870,608	\$ 41,205,285			\$ 35,411,642	\$ -
15	Power Manager	28,705	(38)	-	\$ 882,669	\$ 2,443,378	11.75%	\$ (183,383)	\$ 2,259,994	86.866%	Allocation Factor (2)	\$ 4,209,359	\$ -
16	Total Residential	77,348	44,998	253,879,005	\$ 55,748,324	\$ 41,778,055		\$ 1,687,225	\$ 43,465,280		49.74%	\$ 39,621,001	\$ -
Non-Residential Programs													
EE Programs													
17	Energy Efficient Lighting	1,319	289	5,087,818	\$ 3,107,373	\$ 632,434	11.75%	\$ 290,805	\$ 923,239	85.940%	E17 * F17	\$ 793,428	\$ 0
18	Smart Saver [®] Non-Residential Prescriptive	6,303	5,224	40,080,074	\$ 18,922,368	\$ 8,272,474	11.75%	\$ 1,251,362	\$ 9,523,837	85.940%	E18 * F18	\$ 8,184,744	\$ 156,700
19	Smart Saver [®] Non-Residential - Custom	2,939	3,035	11,947,765	\$ 8,026,993	\$ 3,861,513	11.75%	\$ 489,444	\$ 4,350,957	85.940%	E19 * F19	\$ 3,739,193	\$ -
20	Smart Saver(R) Non-Residential Performance Incentive Program	119	116	891,850	\$ 373,606	\$ 225,576	11.75%	\$ 17,393	\$ 242,970	85.940%	E20 * F20	\$ 208,807	\$ 143
21	Small Business Energy Saver	3,522	4,393	21,259,482	\$ 8,635,052	\$ 5,575,420	11.75%	\$ 359,507	\$ 5,934,927	85.940%	E21 * F21	\$ 5,100,450	\$ 45,935
22	Total for Non-Residential Conservation Programs	14,200	13,057	79,266,990	\$ 39,065,391	\$ 18,567,417		\$ 2,408,512	\$ 20,975,929			\$ 18,026,622	\$ 202,778
23	EnergyWise for Business	4,406	10	54,238	\$ 456,862	\$ 1,358,137	11.75%	\$ (105,900)	\$ 1,252,237	86.866%		\$ 711,840	\$ -
24	Commercial, Industrial, Governmental Energy Efficiency (CIG EE)	7,970	93	-	\$ 11,618,565	\$ 5,512,341	11.75%	\$ 717,481	\$ 6,229,822	86.866%		\$ 3,541,372	\$ -
25	Total for Non-Residential DSM Programs	12,376	103	54,238	\$ 12,075,427	\$ 6,870,478		\$ 611,581	\$ 7,482,060	86.866%	Allocation Factor 50.26%	\$ 4,253,212	\$ -
26	Total Non Residential	26,576	13,160	79,321,228	\$ 51,140,818	\$ 25,437,895		\$ 3,020,093	\$ 28,457,988			\$ 22,279,834	\$ 202,778
27	Total All Programs	103,924	58,158	333,200,234	\$ 106,889,142	\$ 67,215,950		\$ 4,707,318	\$ 71,923,268			\$ 61,900,835	\$ 202,778
(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year (2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak													
28	DSDR	274,893	274,893	36,438,277	\$ -	\$ 9,705,577		\$ -	\$ 9,705,577			\$ -	\$ -
29	Total with DSDR	378,817	333,051	369,638,510	\$ 106,889,142	\$ 76,921,527		\$ 4,707,318	\$ 81,628,845			\$ 61,900,835	\$ 202,778

Duke Energy Progress
Final Exhibit 5
Vintage 2021 True Up - January 1, 2021 to December 31, 2021
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Load Impacts and Estimated Revenue Requirements by Program

Table with columns A through K. Rows include Residential Programs (EE Programs, Energy Efficient Lighting, etc.) and Non-Residential Programs (EE Programs, Non-Residential Smart Meter Prescriptions, etc.). Columns include Net of Tax PPI, Discount Rate, PPI Amortization Period, and various PPI values for different years (2021-2029).

(1) My Home Energy Report impacts reflect cumulative capability at end of vintage year, including impacts for all DSM programs from prior vintages
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Progress
Fields Exhibit 1
Vintage 2022 - January 1, 2022 to December 31, 2022
Docket No. E-2, Sub 1322
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H	I	I			
						=A*C*D	=(A-B)*C*D						
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	NC Retail kWh Sales Allocation Factor	NC Allocated Total Cost	NC PRI	NC PPI	NC PPI Cap Adjustment	Unamortized Revenue Requirement (includes CAP)	Amortized Revenue Requirement (includes CAP)
Residential Programs													
EE Programs													
1 Energy Efficient Appliances and Devices	2,451	4,901	20,158,529	\$ 10,459,821	\$ 2,494,680	10.60%	86.2249134%	\$ 2,151,036		\$ 728,001		\$ 2,879,037	\$ 841,933
2 Appliance Recycling Program	-	-	-	-	-	10.60%	86.2249134%			\$ -		\$ -	\$ 31,968
3 Energy Efficiency Education Program	(283)	9	1,664,153	334,972	367,472	10.60%	86.2249134%	316,852	\$ 20,577	\$ -		\$ 337,429	\$ 20,577
4 Energy Efficient Lighting	6,119	2,603	37,316,321	22,923,015	6,332,078	10.60%	86.2249134%	5,459,829		\$ 1,516,385		\$ 6,976,214	\$ 2,901,820
5 Residential Smart Saver*	1,483	445	5,282,993	3,088,369	3,002,711	10.60%	86.2249134%	2,589,085		\$ 7,829		\$ 2,596,914	\$ (31,567)
6 Weatherization Pilot	21	19	113,385	58,002	49,176	10.60%	86.2249134%	42,402	\$ 3,563	\$ -		\$ 45,965	\$ 3,563
7 Multi-Family Energy Efficiency Program	321	426	2,670,018	1,205,430	572,714	10.60%	86.2249134%	493,822		\$ 57,829		\$ 551,651	\$ 249,372
8 Neighborhood Energy Saver	616	616	2,765,104	1,702,839	2,625,610	10.60%	86.2249134%	2,263,930	\$ 104,604	\$ -		\$ 2,368,534	\$ 104,604
9 Residential Energy Assessments	689	564	5,887,717	2,967,322	1,798,816	10.60%	86.2249134%	1,551,028		\$ 106,800		\$ 1,657,827	\$ 231,643
10 Residential New Construction	5,436	6,663	21,858,686	24,029,721	20,690,791	10.60%	86.2249134%	17,840,617		\$ 305,173		\$ 18,145,789	\$ 774,743
11 Residential Home Advantage	-	-	-	-	-	10.60%	86.2249134%			\$ -		\$ -	\$ 517
12 Total for Residential Conservation Programs	16,955	16,247	97,716,905	66,769,491	37,934,049			32,708,601	128,744	2,722,017	-	35,559,361	5,129,173
13 My Home Energy Report	37,168	34,330	193,193,377	9,656,602	3,623,098	10.60%	86.2249134%	\$ 3,124,013		\$ 551,453		\$ 3,675,466	\$ 551,453
14 Total Residential Conservation and Behavioral Programs	54,122	50,577	290,910,282	\$ 76,426,093	\$ 41,557,147			\$ 35,832,614	\$ 128,744	\$ 3,273,470	\$ 1,243	\$ 39,236,070	\$ 6,681,868
NC Residential Peak Demand Allocation Factor													
15 EnergyWise	31,426	11,992	-	5,558,137	3,241,866	10.60%	87.3612508%	\$ 2,832,134		\$ 214,493		\$ 3,046,628	\$ 4,154,526
Total Residential Demand Response Programs	31,426	11,992	-	5,558,137	3,241,866	10.60%	87.3612508%	\$ 2,832,134		\$ 214,493	\$ 21,100	\$ 3,067,728	\$ 4,175,626
16 Total Residential	85,548	62,569	290,910,282	\$ 81,984,230	\$ 44,799,012			\$ 38,664,748	\$ 128,744	\$ 3,487,963	\$ 22,343	\$ 42,303,798	\$ 9,857,495
Non-Residential Programs													
EE Programs													
17 Energy Efficient Lighting	999	219	3,853,186	2,458,090	717,664	10.60%	86.2249134%	\$ 618,805		\$ 159,072		\$ 777,877	\$ 969,727
18 Smart Saver* Non-Residential - Custom	1,949	922	8,557,130	4,672,613	3,008,768	10.60%	86.2249134%	2,598,308		\$ 152,073		\$ 2,746,380	\$ 443,905
19 Smart Saver* Non-Residential Prescriptive	7,281	5,831	39,754,334	21,265,889	9,532,527	10.60%	86.2249134%	8,219,413		\$ 1,072,411		\$ 9,291,824	\$ 3,085,574
20 NR E-2, Sub 1180 Adjustment (AEC)	-	-	282,353	-	68,566		100.0000000%	68,566				68,566	68,566
21 Smart Saver(R) Non-Residential Performance Incentive Program	9	6	274,907	58,712	105,649	10.60%	86.2249134%	91,096		\$ (4,290)		86,806	36,589
22 Small Business Energy Saver	3,638	4,009	19,362,742	8,762,886	5,081,493	10.60%	86.2249134%	4,381,513		\$ 336,473		4,717,986	993,976
23 Total for Non-Residential Conservation Programs	13,876	10,988	72,084,652	\$ 37,218,190	\$ 18,514,667			\$ 15,973,700		\$ 1,715,739	\$ -	\$ 17,689,439	\$ 5,598,337
NC Non-Residential Peak Demand Allocation Factor													
24 EnergyWise for Business	3,193	65	24,452	331,689	1,198,684	10.60%	87.3612508%	\$ 1,047,185		\$ (80,286)		\$ 966,899	\$ (80,286)
25 Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EI)	-	-	-	-	-	10.60%	87.3612508%	\$ -		\$ -		\$ -	\$ 336,648
26 Total for Non-Residential DSM Programs	3,193	65	24,452	\$ 331,689	\$ 1,198,684			\$ 1,047,185	\$ -	\$ (80,286)	\$ 153,629	\$ 1,120,528	\$ 409,991
27 Total Non Residential	17,069	11,053	72,109,103	\$ 37,549,879	\$ 19,713,351			\$ 17,020,886	\$ -	\$ 1,635,453	\$ 153,629	\$ 18,809,968	\$ 6,008,328
28 Total All Programs	102,618	73,622	363,019,385	\$ 119,534,108	\$ 64,512,363			\$ 55,685,634	\$ 128,744	\$ 5,123,416	\$ 175,972	\$ 61,113,766	\$ 15,865,823
DSDR													
1 DSDR	173,743	160,608	36,435,947		\$ 6,871,743	N/A		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total All Programs with DSDR	276,361	234,230	399,455,333	\$ 119,534,108	\$ 71,384,106			\$ 55,685,634	\$ 128,744	\$ 5,123,416	\$ 175,972	\$ 61,113,766	\$ 15,865,823

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak
(3) Excluding DSDR, DEP's EE/DSM portfolio estimates a Winter Peak reduction of 73,622 kW systemwide in 2022.

Duke Energy Progress
Fields Exhibit 1
Vintage 2022 - January 1, 2022 to December 31, 2022
Docket No. E-2, Sub 1322
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H	I	J	K														
	=A*B	=A+C				=PMT(E,F,D)	=I-8				=H1														
Residential Programs	NC Incentive (PPI or PPI) from pg 1	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortized on Period	Vintage Year 2022 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	Vintage 2018 PPI	Vintage 2019 PPI	Vintage 2020 PPI	Vintage 2021 PPI	PPI Values for Test Period	
EE Programs																									
1 Appliances and Devices	\$ 728,001	23.13%	\$ (168,409)	\$ 559,593	6.48%	5	\$ 134,601	76.87%	\$ 175,109	\$ 666,824	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 228,333	\$ 195,981	\$ 137,717	\$ 104,793	\$ 841,933	
2 Appliance Recycling Program	\$ -	23.13%	\$ -	\$ -	6.48%	10	\$ -	76.87%	\$ -	\$ 31,968	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (79)	\$ -	\$ -	\$ -	\$ 31,968	
3 Energy Education Program for Schools	\$ 20,577	23.13%	\$ (4,760)	\$ 15,817	6.48%	N/A	\$ 15,817	76.87%	\$ 20,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,577	
4 Energy Efficient Lighting	\$ 1,516,385	23.13%	\$ (350,785)	\$ 1,165,600	6.48%	5	\$ 280,366	76.87%	\$ 364,741	\$ 2,537,079	\$ -	\$ -	\$ -	\$ -	\$ 636,857	\$ 397,825	\$ 332,048	\$ -	\$ -	\$ 418,950	\$ 366,366	\$ 243,963	\$ 141,069	\$ 2,901,820	
5 Residential Service - Smart Saver	\$ 7,829	23.13%	\$ (1,811)	\$ 6,018	6.48%	10	\$ 837	76.87%	\$ 1,088	\$ (32,656)	\$ -	\$ -	\$ -	\$ -	\$ 14,647	\$ 24,334	\$ 13,823	\$ (9,166)	\$ (12,271)	\$ (14,011)	\$ (14,689)	\$ (35,323)	\$ (35,323)	\$ (31,567)	
6 Weatherization Pilot	\$ 3,563	23.13%	\$ (824)	\$ 2,739	6.48%	N/A	\$ 2,739	76.87%	\$ 3,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,563	
7 Multi-Family	\$ 57,829	23.13%	\$ (13,378)	\$ 44,452	6.48%	5	\$ 10,692	76.87%	\$ 13,810	\$ 235,462	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123,296	\$ 92,863	\$ 12,097	\$ 7,207	\$ 248,372	
8 Neighborhood Energy Saver	\$ 104,604	23.13%	\$ (24,158)	\$ 80,406	6.48%	N/A	\$ 80,406	76.87%	\$ 104,604	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 104,604	
9 Residential Energy Assessments	\$ 106,800	23.13%	\$ (24,706)	\$ 82,094	6.48%	5	\$ 19,746	76.87%	\$ 25,689	\$ 205,955	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,701	\$ 54,208	\$ 45,994	\$ 20,052	\$ 231,643	
9 Residential New Construction	\$ 305,173	23.13%	\$ (70,596)	\$ 234,577	6.48%	10	\$ 32,607	76.87%	\$ 42,420	\$ 732,323	\$ -	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 139,487	\$ 138,767	\$ 135,410	\$ 60,340	\$ 56,144	\$ 27,526	\$ 774,743	
10 Residential Home Advantage	\$ -	23.13%	\$ -	\$ -	6.48%	10	\$ -	76.87%	\$ 517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 517	
10 Total for Residential Conservation Prog	2,850,761		(659,466)	2,191,294			577,810		751,701	4,377,472	-	-	-	-	702,066	474,715	433,132	156,321	129,522	979,420	755,748	481,227	265,323	5,129,173	
11 My Home Energy Report	\$ 551,453	23.13%	\$ (127,568)	\$ 423,885	6.48%	1	\$ 423,885	76.87%	\$ 551,453	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 551,453	
12 Total Residential Conservation and Beh	3,402,213		(787,034)	2,615,179			1,001,695		1,303,153	4,377,472	-	-	-	-	702,066	474,715	433,132	156,321	129,522	979,420	755,748	481,227	265,323	5,680,625	
13 EnergyWise * Home	\$ 214,493	23.13%	\$ (49,619)	\$ 164,875	6.48%	10	\$ 22,918	76.87%	\$ 29,815	\$ 4,124,711	\$ -	\$ -	\$ -	\$ -	\$ 301,384	\$ 369,522	\$ 265,373	\$ 911,314	\$ 796,851	\$ 716,674	\$ 676,304	\$ 109,486	\$ (22,198)	\$ 4,154,526	
14 Total Residential	3,616,707		(836,653)	2,780,054			1,024,613		1,132,969	8,502,183	-	-	-	-	1,003,450	844,237	698,504	1,067,635	926,373	1,696,094	1,432,052	590,712	243,125	9,835,152	
Non-Residential Programs																									
EE Programs																									
15 Energy Efficient Lighting	\$ 159,072	23.13%	\$ (36,798)	\$ 122,274	6.48%	5	\$ 29,411	76.87%	\$ 38,262	\$ 931,464	\$ -	\$ -	\$ -	\$ -	\$ 171,971	\$ 116,186	\$ 152,430	\$ -	\$ -	\$ 163,956	\$ 167,570	\$ 99,153	\$ 60,199	\$ 969,727	
16 Non-Residential Smart Saver Custom	\$ 152,073	23.13%	\$ (35,179)	\$ 116,894	6.48%	3	\$ 44,124	76.87%	\$ 57,403	\$ 386,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 227,576	\$ 158,926	\$ 443,905	
17 Non-Residential Smart Saver Prescription	\$ 1,072,411	23.13%	\$ (248,081)	\$ 824,330	6.48%	3	\$ 211,158	76.87%	\$ 404,800	\$ 2,680,774	\$ -	\$ -	\$ -	\$ -	\$ 678,479	\$ 438,885	\$ 369,180	\$ -	\$ -	\$ -	\$ -	\$ 787,693	\$ 406,537	\$ 3,085,574	
18 Non-Res SmartSaver Performance	\$ (4,290)	23.13%	\$ 992	\$ (3,298)	6.48%	3	\$ (1,245)	76.87%	\$ (1,619)	\$ 38,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,560	\$ 5,648	\$ 36,589
19 Small Business Energy Saver	\$ 336,473	23.13%	\$ (77,836)	\$ 258,637	6.48%	3	\$ 97,627	76.87%	\$ 127,028	\$ 866,969	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ -	\$ -	\$ -	\$ -	\$ 211,152	\$ 116,735	\$ 993,976	
20 Total for Non-Residential Conservation	1,715,739		(396,902)	1,318,837			481,075		625,854	4,903,917	-	-	-	-	931,159	772,394	762,661	-	-	163,956	167,570	1,358,133	748,045	5,529,771	
21 EnergyWise * for Business	\$ (80,286)	23.13%	\$ 18,573	\$ (61,714)	6.48%	1	\$ (61,714)	76.87%	\$ (80,286)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (80,286)	
22 Commercial, Industrial, Governmental E	\$ -	23.13%	\$ -	\$ -	6.48%	3	\$ -	76.87%	\$ -	\$ 336,648	\$ -	\$ -	\$ -	\$ -	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,897	\$ 235,484	\$ 336,648
23 Total for Non-Residential DSM Program	(80,286)		18,573	(61,714)			(61,714)		(80,286)	336,648	-	-	-	-	9,714	25,139	4,414	-	-	-	-	61,897	235,484	336,648	
24 Total Non Residential	1,635,453		(378,329)	1,257,123			419,361		545,567	5,240,566	-	-	-	-	940,873	797,533	767,075	-	-	163,956	167,570	1,420,030	983,529	5,786,133	
25 Total All Programs	5,252,160		(1,214,982)	4,037,177			1,443,974		1,878,536	13,742,748	-	-	-	-	1,944,323	1,641,770	1,465,580	1,067,635	926,373	1,860,050	1,599,621	2,010,742	1,226,654	15,621,284	

Duke Energy Progress
Fields Exhibit 1
Vintage 2024 Estimate - January 1, 2024 to December 31, 2024
Docket No. E-2, Sub 1322
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H	I	J			
						=A*C*D	=(A-B)*C*D						
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	NC Retail kWh Sales Allocation Factor	NC Allocated Total Cost	NC PRI	NC PPI	NC PPI Cap Reduction	Unamortized Revenue Requirement (Includes CAP)	Amortized Revenue Requirement
Residential Programs													
EE Programs													
1	Energy Efficient Appliances and Devices	2,203	3,791	15,618,265	\$ 10,716,991	\$ 2,367,768	10.60%	86.2483215%	\$ 2,042,161	\$ 763,313	\$ -	\$ 2,805,473	\$ 931,730
2	Appliance Recycling Program	-	-	-	-	-	10.60%	86.2483215%	-	-	-	-	\$ 7,425
3	Energy Efficiency Education Program	(922)	31	5,423,622	1,120,196	1,073,002	10.60%	86.2483215%	925,446	\$ 102,412	\$ -	\$ 1,027,858	\$ 102,412
4	Energy Efficient Lighting	-	-	-	-	41,128	10.60%	86.2483215%	35,472	\$ -	\$ -	\$ 31,712	\$ 1,104,377
5	Income-Qualified Energy Efficiency and Weatherization	201	256	919,186	922,042	2,344,993	10.60%	86.2483215%	2,022,517	\$ 84,296	\$ (3,760)	\$ 2,106,813	\$ 89,762
6	Residential Smart Saver*	1,745	536	6,301,625	5,412,944	4,000,209	10.60%	86.2483215%	3,450,113	\$ -	\$ 129,157	\$ 3,579,270	\$ 38,776
7	Weatherization Pilot	-	-	-	-	153,293	10.60%	86.2483215%	132,213	\$ (14,015)	\$ -	\$ 118,198	\$ (14,015)
8	Multi-Family Energy Efficiency Program	842	1,524	7,941,015	4,883,369	1,222,605	10.60%	86.2483215%	1,054,476	\$ -	\$ 334,679	\$ 1,389,155	\$ 273,947
9	Neighborhood Energy Saver	753	655	3,071,873	2,541,521	2,981,738	10.60%	86.2483215%	2,571,699	\$ 232,354	\$ -	\$ 2,804,053	\$ 232,354
10	Residential Energy Assessments	1,934	1,631	17,065,054	10,385,382	5,218,489	10.60%	86.2483215%	4,500,860	\$ -	\$ 472,374	\$ 4,973,233	\$ 421,266
11	Residential New Construction	4,520	5,673	18,916,209	29,993,146	17,176,097	10.60%	86.2483215%	14,814,095	\$ -	\$ 1,171,776	\$ 15,985,871	\$ 1,593,644
12	Save Energy and Water Kit	-	-	-	-	-	10.60%	86.2483215%	-	\$ -	\$ -	\$ -	\$ -
13	Residential Home Advantage	-	-	-	-	-	10.60%	86.2483215%	-	\$ -	\$ -	\$ -	\$ -
14	Total for Residential Conservation Programs	11,276	14,097	75,256,850	65,975,589	36,579,322		31,549,052	419,062	2,853,524	\$ -	34,821,637	4,781,677
15	My Home Energy Report	37,612	34,741	195,502,512	12,282,659	4,697,711	10.60%	86.2483215%	4,051,697	\$ 693,440	\$ -	\$ 4,745,137	\$ 693,440
16	Total Residential Conservation and Behavioral Programs	48,888	48,838	270,759,362	\$ 78,258,248	\$ 41,277,033		\$ 36,600,748	\$ 419,062	\$ 3,546,964	\$ -	\$ 39,566,774	\$ 5,475,117
NC Residential Peak Demand Allocation Factor													
17	EnergyWise	69,626	58,927	-	13,794,591	6,109,233	10.60%	87.2597494%	\$ 5,330,902	\$ 710,860	\$ -	\$ 6,041,761	\$ 3,874,653
18	Total Residential Demand Response Programs	69,626	58,927	-	13,794,591	6,109,233	10.60%	0.0000000%	\$ 5,330,902	\$ -	\$ 710,860	\$ 6,041,761	\$ 3,874,653
18	Total Residential	118,514	107,765	270,759,362	\$ 92,052,838	\$ 47,386,267		\$ 40,931,650	\$ 419,062	\$ 4,257,824	\$ -	\$ 45,608,536	\$ 9,349,770
Non-Residential Programs													
EE Programs													
19	Energy Efficient Lighting	-	-	-	-	-	10.60%	86.2483215%	-	\$ -	\$ -	\$ -	\$ 389,593
20	Smart Saver* Non-Residential - Custom	4,096	4,096	27,890,515	18,241,433	5,347,283	10.60%	86.2483215%	4,611,942	\$ 1,178,825	\$ -	\$ 5,790,767	\$ 222,724
21	Smart Saver* Non-Residential Prescriptive	10,159	8,295	60,480,678	41,741,698	15,700,927	10.60%	86.2483215%	13,541,786	\$ 2,380,731	\$ -	\$ 15,922,517	\$ 2,217,611
22	Smart Saver(R) Non-Residential Performance Incentive Program	257	257	2,249,035	1,256,244	407,498	10.60%	86.2483215%	351,460	\$ 77,595	\$ -	\$ 429,055	\$ 111,505
23	Small Business Energy Saver	6,394	6,226	36,343,154	22,918,131	8,879,537	10.60%	86.2483215%	7,658,452	\$ 1,283,453	\$ -	\$ 8,941,905	\$ 1,088,827
24	Total for Non-Residential Conservation Programs	20,906	18,874	126,963,382	\$ 84,157,505	\$ 30,335,245		\$ 26,163,640		\$ 4,920,604	\$ -	\$ 31,084,244	\$ 4,630,260
NC Non-Residential Peak Demand Allocation Factor													
25	EnergyWise for Business	4,772	2,366	117,810	1,077,482	1,383,604	10.60%	87.2597494%	\$ 1,207,330	\$ (28,315)	\$ -	\$ 1,179,015	\$ (28,315)
26	Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EE)	3,106	1,957	-	8,383,113	2,154,131	10.60%	87.2597494%	\$ 1,879,689	\$ 576,152	\$ -	\$ 2,455,841	\$ 442,083
27	Total for Non-Residential DSM Programs	7,878	4,323	117,810	\$ 9,460,595	\$ 3,537,736		\$ 3,087,019	\$ -	\$ 547,837	\$ -	\$ 3,634,856	\$ 413,768
28	Total Non-Residential	28,784	23,197	127,081,192	\$ 93,618,101	\$ 33,872,981		\$ 29,250,659	\$ -	\$ 5,468,441	\$ -	\$ 34,719,100	\$ 5,044,028
29	Total All Programs	147,298	130,962	397,840,554	\$ 185,670,939	\$ 81,259,247		\$ 70,182,309	\$ 419,062	\$ 9,726,265	\$ -	\$ 80,327,636	\$ 14,393,799

(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year
(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Progress
Fields Exhibit 1
Vintage 2024 Estimate - January 1, 2024 to December 31, 2024
Docket No. E-2, Sub-1322
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C =A*B	D =A/C	E	F	G =PMT(E,F,D)	H =1-B	I	J													KPI Values for Test Period				
	NC Incentive (PBI or PPI Including CAP) Eq 1	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization on Period	Vintage Year 2024 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	Vintage 2018 PPI	Vintage 2019 PPI	Vintage 2020 PPI	Vintage 2021 PPI	Vintage 2022 PPI	Vintage 2023 PPI		
Residential Programs																											
EE Programs																											
1 Appliances and Devices	\$ 763,313	23.13%	\$ (176,577)	\$ 586,736	6.48%	3	\$ 221,474	76.87%	\$ 288,126	\$ 643,604	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 137,717	\$ 104,793	\$ 175,109	\$ 225,985	\$ 931,730	
2 Appliance Recycling Program	\$ -	23.13%	\$ -	\$ -	6.48%	3	\$ -	76.87%	\$ -	\$ 7,425	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,492	\$ 3,011	\$ (79)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,425	
3 Energy Education Program for Schools	\$ 102,412	23.13%	\$ (23,691)	\$ 78,721	6.48%	1	\$ 78,721	76.87%	\$ 102,412	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102,412	
4 Energy Efficient Lighting	\$ (3,760)	23.13%	\$ 870	\$ (2,890)	6.48%	3	\$ (1,091)	76.87%	\$ (1,419)	\$ 1,105,796	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 332,048	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 243,963	\$ 141,069	\$ 364,741	\$ 23,975	\$ 1,104,377
4 Income-Qualified Energy Efficiency anc	\$ 84,296	23.13%	\$ (19,500)	\$ 64,796	6.48%	1	\$ 68,997	76.87%	\$ 89,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,762	
5 Residential Service - Smart Saver	\$ 129,157	23.13%	\$ (29,878)	\$ 99,279	6.48%	3	\$ 37,475	76.87%	\$ 48,752	\$ (9,577)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,324	\$ 13,823	\$ (9,166)	\$ (12,271)	\$ (14,011)	\$ (14,689)	\$ (25,323)	\$ 1,088	\$ 36,238	\$ 28,776	
6 Weatherization Pilot	\$ (14,015)	23.13%	\$ 3,242	\$ (10,773)	6.48%	N/A	\$ (10,773)	76.87%	\$ (14,015)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (14,015)	
7 Multi-Family	\$ 334,679	23.13%	\$ (77,421)	\$ 257,258	6.48%	3	\$ 97,106	76.87%	\$ 126,330	\$ 147,617	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,097	\$ 13,910	\$ 7,207	\$ 114,403	\$ 273,947	
8 Neighborhood Energy Saver	\$ 232,254	23.13%	\$ (53,750)	\$ 178,604	6.48%	1	\$ 178,604	76.87%	\$ 232,254	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 232,254	
9 Residential Energy Assessments	\$ 472,374	23.13%	\$ (109,274)	\$ 363,100	6.48%	3	\$ 137,058	76.87%	\$ 178,306	\$ 242,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,994	\$ 20,052	\$ 25,689	\$ 151,225	\$ 421,266
10 Residential New Construction	\$ 1,171,776	23.13%	\$ (271,067)	\$ 900,709	6.48%	3	\$ 339,988	76.87%	\$ 442,307	\$ 1,151,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72,258	\$ 139,487	\$ 138,767	\$ 135,410	\$ 60,340	\$ 56,144	\$ 27,526	\$ 42,420	\$ 478,984	\$ 1,593,644	
11 Save Energy and Water Kit	\$ -	23.13%	\$ -	\$ -	6.48%	3	\$ -	76.87%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
12 Residential Home Advantage	\$ -	23.13%	\$ -	\$ -	6.48%	3	\$ -	76.87%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
13 Total for Residential Conservation Pro	\$ 3,272,586		\$ (757,047)	\$ 2,515,538			\$ 1,147,560		\$ 1,492,916	\$ 3,288,761	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 433,132	\$ 156,321	\$ 129,522	\$ 123,140	\$ 46,329	\$ 481,227	\$ 265,323	\$ 622,957	\$ 1,030,811	\$ 4,781,677	
14 My Home Energy Report	\$ 693,440	23.13%	\$ (160,414)	\$ 533,027	6.48%	1	\$ 533,027	76.87%	\$ 693,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 693,440	
15 Total Residential Conservation and Bel	\$ 3,966,026		\$ (917,461)	\$ 3,048,565			\$ 1,680,587		\$ 2,186,357	\$ 3,288,761	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 433,132	\$ 156,321	\$ 129,522	\$ 123,140	\$ 46,329	\$ 481,227	\$ 265,323	\$ 622,957	\$ 1,030,811	\$ 4,475,117	
16 EnergyWise * Home	\$ 710,860	23.13%	\$ (164,443)	\$ 546,417	6.48%	3	\$ 206,255	76.87%	\$ 268,327	\$ 3,606,327	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 265,373	\$ 911,314	\$ 796,851	\$ 716,674	\$ 676,304	\$ 109,486	\$ (22,198)	\$ 39,738	\$ 112,784	\$ 3,874,653	
17 Total Residential	\$ 4,676,886		\$ (1,081,904)	\$ 3,594,982			\$ 1,886,841		\$ 2,454,683	\$ 6,895,087	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 698,504	\$ 1,067,635	\$ 926,373	\$ 839,814	\$ 722,633	\$ 590,712	\$ 243,125	\$ 662,695	\$ 1,143,596	\$ 9,349,770	
Non-Residential Programs																											
EE Programs																											
18 Energy Efficient Lighting	\$ -	23.13%	\$ -	\$ -	6.48%	3	\$ -	76.87%	\$ -	\$ 389,593	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 152,430	\$ -	\$ -	\$ -	\$ -	\$ 99,153	\$ 60,199	\$ 38,262	\$ 39,549	\$ 389,593	
19 Non-Residential Smart Saver Custom	\$ 1,178,825	23.13%	\$ (272,698)	\$ 906,127	6.48%	3	\$ 342,034	76.87%	\$ 444,968	\$ 377,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 377,756	
20 Non-Residential Smart Saver Prescript	\$ 2,380,731	23.13%	\$ (550,735)	\$ 1,829,997	6.48%	3	\$ 600,764	76.87%	\$ 858,649	\$ 1,318,962	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 369,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,318,962	
21 Non-Res SmartSaver Performance	\$ 77,595	23.13%	\$ (17,950)	\$ 59,645	6.48%	3	\$ 22,514	76.87%	\$ 29,240	\$ 82,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,215	
22 Small Business Energy Saver	\$ 1,283,453	23.13%	\$ (296,901)	\$ 986,552	6.48%	3	\$ 372,391	76.87%	\$ 484,462	\$ 604,165	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 604,165	
23 Total for Non-Residential Conservator	\$ 4,920,604		\$ (1,138,293)	\$ 3,782,311			\$ 1,427,704		\$ 1,857,369	\$ 2,772,391	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 762,661	\$ -	\$ -	\$ -	\$ -	\$ 99,153	\$ 60,199	\$ 625,362	\$ 1,225,017	\$ 4,930,760	
24 EnergyWise * For Business	\$ (28,315)	23.13%	\$ 6,550	\$ (21,765)	6.48%	1	\$ (21,765)	76.87%	\$ (28,315)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (21,765)	
25 Commercial, Industrial, & Government	\$ 576,152	23.13%	\$ (133,281)	\$ 442,871	6.48%	3	\$ 157,169	76.87%	\$ 217,479	\$ 224,605	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 224,605	
26 Total for Non-Residential DSM Program	\$ 547,837		\$ (126,731)	\$ 421,106			\$ 145,404		\$ 189,164	\$ 224,605	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,414	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 224,605	
27 Total Non Residential	\$ 5,468,441		\$ (1,265,015)	\$ 4,203,427			\$ 1,573,108		\$ 2,046,533	\$ 2,997,496	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 767,075	\$ -	\$ -	\$ -	\$ -	\$ 99,153	\$ 60,199	\$ 620,548	\$ 1,450,521	\$ 5,044,028	
28 Total All Programs	\$ 10,145,327		\$ (2,346,918)	\$ 7,798,408			\$ 3,459,950		\$ 4,501,216	\$ 9,892,583	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,465,580	\$ 1,067,635	\$ 926,373	\$ 839,814	\$ 722,633	\$ 689,865	\$ 303,324	\$ 1,283,242	\$ 2,594,117	\$ 14,993,799	

Duke Energy Progress
For the Period January 1, 2019 - December 31, 2024
Docket No. E-2, Sub 1322
North Carolina Net Lost Revenue for Vintages 2019 - 2024

Fields Exhibit 2, page 1

Table for Vintages 2019 Residential. Columns: Line, Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 1-13.

Table for Vintages 2019 Non-Residential. Columns: Line, Non-Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 14-22.

(a) Lost revenues were estimated by applying forecasted lost revenue rates for residential and non-residential customers to state specific forecasted program participation.

Table for Vintages 2020 Residential. Columns: Line, Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 1-13.

Table for Vintages 2020 Non-Residential. Columns: Line, Non-Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 14-22.

Table for Vintages 2021 Residential. Columns: Line, Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 1-13.

Table for Vintages 2021 Non-Residential. Columns: Line, Non-Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 14-22.

Fields Exhibit 2, page 2

Table for Vintages 2022 Residential. Columns: Line, Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 1-13.

Table for Vintages 2022 Non-Residential. Columns: Line, Non-Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 14-22.

Table for Vintages 2023 Residential. Columns: Line, Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 1-13.

Table for Vintages 2023 Non-Residential. Columns: Line, Non-Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 14-22.

Table for Vintages 2024 Residential. Columns: Line, Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 1-13.

Table for Vintages 2024 Non-Residential. Columns: Line, Non-Residential, 2019, 2020, 2021, 2022, 2023, 2024, Total. Rows 14-22.

Duke Energy Progress
 For the Period January 1, 2019 - December 31, 2021
 Docket No. E-2, Sub 1322
 North Carolina Net Lost Revenue
 True Up for Vintages 2019 - 2021

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 Aug 28 2023

		Vintage 2019 as Filed Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ 112,171	\$ 134,338	\$ 32,528	\$ 25,540	\$ -	\$ -	\$ 304,577
2	Energy Efficient Appliances and Devices	\$ 515,392	\$ 809,864	\$ 374,006	\$ 253,762	\$ -	\$ -	\$ 1,953,024
3	Energy Efficient Lighting	\$ 1,044,587	\$ 1,411,674	\$ 554,828	\$ 354,546	\$ -	\$ -	\$ 3,365,635
4	Multi-Family Energy Efficiency Program	\$ 423,542	\$ 555,710	\$ 200,656	\$ 134,260	\$ -	\$ -	\$ 1,314,167
5	My Home Energy Report	\$ 8,989,654	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,989,654
6	Neighborhood Energy Saver	\$ 82,557	\$ 109,512	\$ 43,341	\$ 26,812	\$ -	\$ -	\$ 262,222
7	Residential Energy Assessments	\$ 244,084	\$ 341,865	\$ 140,124	\$ 92,250	\$ -	\$ -	\$ 818,323
8	Residential New Construction	\$ 523,723	\$ 815,936	\$ 363,043	\$ 250,022	\$ -	\$ -	\$ 1,952,725
9	Residential Smart Saver®	\$ 210,486	\$ 324,420	\$ 151,191	\$ 97,924	\$ -	\$ -	\$ 784,021
10	Weatherization Pilot	\$ 3,908	\$ 6,826	\$ 2,374	\$ 2,193	\$ -	\$ -	\$ 16,201
11	Lost Residential Revenues	\$ 12,150,103	\$ 4,510,143	\$ 1,862,992	\$ 1,237,310	\$ -	\$ -	\$ 19,760,548
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ 12,150,103	\$ 4,510,143	\$ 1,862,992	\$ 1,237,310	\$ -	\$ -	\$ 19,760,548

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	\$ 208,345	\$ 278,434	\$ 105,186	\$ 67,259	\$ -	\$ -	\$ 659,224
15	EnergyWise for Business	\$ 21,449	\$ 35,193	\$ 15,775	\$ 10,323	\$ -	\$ -	\$ 82,740
16	Small Business Energy Saver	\$ 813,467	\$ 1,146,686	\$ 421,528	\$ 294,189	\$ -	\$ -	\$ 2,675,869
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ 30,568	\$ 50,425	\$ 26,063	\$ 16,649	\$ -	\$ -	\$ 123,705
18	Smart Saver® Non Residential Prescriptive	\$ 1,221,053	\$ 1,647,977	\$ 630,839	\$ 412,102	\$ -	\$ -	\$ 3,911,972
19	Smart Saver® Non-Residential - Custom	\$ 221,885	\$ 457,593	\$ 222,234	\$ 165,603	\$ -	\$ -	\$ 1,067,314
20	Net Lost Non-Residential Revenues	\$ 2,516,766	\$ 3,616,307	\$ 1,421,626	\$ 966,125	\$ -	\$ -	\$ 8,520,824
21	Found Non- Residential Revenues	\$ (2,687)	\$ (3,706)	\$ (1,357)	\$ (835)	\$ -	\$ -	\$ (8,585)
22	Net Lost Non-Residential Revenues	\$ 2,514,080	\$ 3,612,601	\$ 1,420,268	\$ 965,290	\$ -	\$ -	\$ 8,512,240

		Vintage 2020 as Filed Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ -	\$ 39,503	\$ 88,045	\$ 88,104	\$ 53,914	\$ -	\$ 269,565
2	Energy Efficient Appliances and Devices	\$ -	\$ 478,497	\$ 969,112	\$ 969,761	\$ 538,770	\$ -	\$ 2,956,141
3	Energy Efficient Lighting	\$ -	\$ 526,646	\$ 990,034	\$ 990,698	\$ 513,855	\$ -	\$ 3,021,232
4	Multi-Family Energy Efficiency Program	\$ -	\$ 136,010	\$ 101,668	\$ 101,737	\$ 7,717	\$ -	\$ 347,132
5	My Home Energy Report	\$ -	\$ 9,210,111	\$ -	\$ -	\$ -	\$ -	\$ 9,210,111
6	Neighborhood Energy Saver	\$ -	\$ 12,247	\$ 10,020	\$ 10,027	\$ 1,194	\$ -	\$ 33,498
7	Residential Energy Assessments	\$ -	\$ 173,035	\$ 399,452	\$ 399,720	\$ 244,411	\$ -	\$ 1,216,618
8	Residential New Construction	\$ -	\$ 613,230	\$ 1,204,018	\$ 1,204,825	\$ 642,728	\$ -	\$ 3,664,802
9	Residential Smart Saver®	\$ -	\$ 201,538	\$ 409,393	\$ 409,668	\$ 221,737	\$ -	\$ 1,242,336
10	Weatherization Pilot	\$ -	\$ 2,892	\$ 6,640	\$ 6,645	\$ 4,109	\$ -	\$ 20,286
11	Lost Residential Revenues	\$ -	\$ 11,393,708	\$ 4,178,382	\$ 4,181,163	\$ 2,228,435	\$ -	\$ 21,981,709
12	Found Residential Revenues	\$ -	\$ -	\$ (12)	\$ (12)	\$ (22)	\$ -	\$ (47)
13	Net Lost Residential Revenues	\$ -	\$ 11,393,708	\$ 4,178,370	\$ 4,181,170	\$ 2,228,413	\$ -	\$ 21,981,662

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	\$ -	\$ 104,052	\$ 187,612	\$ 187,787	\$ 97,294	\$ -	\$ 576,746
15	EnergyWise for Business	\$ -	\$ 14,795	\$ 18,491	\$ 18,508	\$ 8,123	\$ -	\$ 59,917
16	Small Business Energy Saver	\$ -	\$ 460,707	\$ 723,691	\$ 724,366	\$ 348,913	\$ -	\$ 2,257,677
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ -	\$ 26,728	\$ 161,946	\$ 162,097	\$ 133,188	\$ -	\$ 483,959
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ 917,203	\$ 1,634,100	\$ 1,635,623	\$ 875,894	\$ -	\$ 5,062,820
19	Smart Saver® Non-Residential - Custom	\$ -	\$ 260,424	\$ 544,599	\$ 545,107	\$ 320,605	\$ -	\$ 1,670,735
20	Total Lost Revenues	\$ -	\$ 1,783,909	\$ 3,270,439	\$ 3,273,487	\$ 1,784,018	\$ -	\$ 10,111,854
21	Found Non- Residential Revenues	\$ -	\$ (5,064)	\$ (9,609)	\$ (9,609)	\$ (5,421)	\$ -	\$ (29,702)
22	Net Lost Non-Residential Revenues	\$ -	\$ 1,778,845	\$ 3,260,830	\$ 3,263,878	\$ 1,778,597	\$ -	\$ 10,082,151

		Vintage 2021 as Filed Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ -	\$ -	\$ 62,992	\$ 108,303	\$ 108,163	\$ -	\$ 279,458
2	Energy Efficient Appliances and Devices	\$ -	\$ -	\$ 524,238	\$ 755,620	\$ 754,649	\$ -	\$ 2,034,507
3	Energy Efficient Lighting	\$ -	\$ -	\$ 624,135	\$ 1,180,020	\$ 1,178,504	\$ -	\$ 2,982,660
4	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ 25,083	\$ 104,000	\$ 103,866	\$ -	\$ 232,949
5	My Home Energy Report	\$ -	\$ -	\$ 11,825,124	\$ -	\$ -	\$ -	\$ 11,825,124
6	Neighborhood Energy Saver	\$ -	\$ -	\$ 15,460	\$ 42,987	\$ 42,931	\$ -	\$ 101,378
7	Residential Energy Assessments	\$ -	\$ -	\$ 170,278	\$ 387,420	\$ 386,922	\$ -	\$ 944,621
8	Residential New Construction	\$ -	\$ -	\$ 822,871	\$ 1,431,186	\$ 1,429,347	\$ -	\$ 3,683,404
9	Residential Smart Saver®	\$ -	\$ -	\$ 257,139	\$ 478,730	\$ 478,115	\$ -	\$ 1,213,984
10	Weatherization Pilot	\$ -	\$ -	\$ 8,458	\$ 15,131	\$ 15,112	\$ -	\$ 38,701
11	Lost Residential Revenues	\$ -	\$ -	\$ 14,335,779	\$ 4,503,396	\$ 4,497,611	\$ -	\$ 23,336,786
12	Found Residential Revenues	\$ -	\$ -	\$ (1)	\$ (228)	\$ (228)	\$ -	\$ (456)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 14,335,778	\$ 4,503,168	\$ 4,497,383	\$ -	\$ 23,336,330

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	\$ -	\$ -	\$ 164,625	\$ 311,121	\$ 310,721	\$ -	\$ 786,466
15	EnergyWise for Business	\$ -	\$ -	\$ 1,931	\$ 2,693	\$ 2,688	\$ -	\$ 7,312
16	Small Business Energy Saver	\$ -	\$ -	\$ 513,518	\$ 1,011,963	\$ 1,010,169	\$ -	\$ 2,535,651
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ -	\$ -	\$ 21,896	\$ 39,930	\$ 39,860	\$ -	\$ 101,686
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ -	\$ 1,085,743	\$ 2,145,267	\$ 2,141,463	\$ -	\$ 5,372,474
19	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ 303,152	\$ 615,107	\$ 614,016	\$ -	\$ 1,532,275
20	Total Lost Revenues	\$ -	\$ -	\$ 2,090,865	\$ 4,126,080	\$ 4,118,917	\$ -	\$ 10,335,863
21	Found Non- Residential Revenues	\$ -	\$ -	\$ (2,826)	\$ (5,545)	\$ (5,545)	\$ -	\$ (13,917)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 2,088,039	\$ 4,120,535	\$ 4,113,372	\$ -	\$ 10,321,946

**Duke Energy Progress
For the Period January 1, 2019 - December 31, 2021
Docket No. E-2, Sub 1322
North Carolina Net Lost Revenue
True Up for Vintages 2019 - 2021**

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Aug 28 2023

		Vintage 2019 True Up Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ 112,171	\$ 134,328	\$ 32,495	\$ 25,256	\$ -	\$ -	\$ 304,249
2	Energy Efficient Appliances and Devices	\$ 515,392	\$ 809,749	\$ 373,622	\$ 250,939	\$ -	\$ -	\$ 1,949,702
3	Energy Efficient Lighting	\$ 1,044,587	\$ 1,411,504	\$ 554,259	\$ 350,602	\$ -	\$ -	\$ 3,360,951
4	Multi-Family Energy Efficiency Program	\$ 423,542	\$ 555,648	\$ 200,450	\$ 132,766	\$ -	\$ -	\$ 1,312,406
5	My Home Energy Report	\$ 8,989,654	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,989,654
6	Neighborhood Energy Saver	\$ 78,921	\$ 97,228	\$ 35,256	\$ 20,535	\$ -	\$ -	\$ 231,940
7	Residential Energy Assessments	\$ 244,084	\$ 341,822	\$ 139,980	\$ 91,224	\$ -	\$ -	\$ 817,110
8	Residential New Construction	\$ 523,723	\$ 815,825	\$ 362,671	\$ 247,241	\$ -	\$ -	\$ 1,949,459
9	Residential Smart Saver®	\$ 210,486	\$ 324,373	\$ 151,036	\$ 96,835	\$ -	\$ -	\$ 782,730
10	Weatherization Pilot	\$ 5,115	\$ 9,066	\$ 4,430	\$ 2,928	\$ -	\$ -	\$ 21,540
11	Lost Residential Revenues	\$ 12,147,674	\$ 4,499,543	\$ 1,854,198	\$ 1,218,326	\$ -	\$ -	\$ 19,719,742
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ 12,147,674	\$ 4,499,543	\$ 1,854,198	\$ 1,218,326	\$ -	\$ -	\$ 19,719,742

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	\$ 208,345	\$ 278,400	\$ 105,078	\$ 72,294	\$ -	\$ -	\$ 664,117
15	EnergyWise for Business	\$ 21,332	\$ 35,074	\$ 15,764	\$ 11,100	\$ -	\$ -	\$ 83,271
16	Small Business Energy Saver	\$ 813,467	\$ 1,146,686	\$ 421,528	\$ 316,536	\$ -	\$ -	\$ 2,698,216
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ 30,568	\$ 50,425	\$ 26,063	\$ 17,914	\$ -	\$ -	\$ 124,970
18	Smart Saver® Non Residential Prescriptive	\$ 1,220,532	\$ 1,647,619	\$ 630,899	\$ 443,462	\$ -	\$ -	\$ 3,942,512
19	Smart Saver® Non-Residential - Custom	\$ 221,885	\$ 457,593	\$ 222,234	\$ 178,182	\$ -	\$ -	\$ 1,078,894
20	Net Lost Non-Residential Revenues	\$ 2,516,129	\$ 3,615,797	\$ 1,421,566	\$ 1,039,488	\$ -	\$ -	\$ 8,592,980
21	Found Non- Residential Revenues	\$ (2,687)	\$ (3,706)	\$ (1,357)	\$ (835)	\$ -	\$ -	\$ (8,585)
22	Net Lost Non-Residential Revenues	\$ 2,513,442	\$ 3,612,091	\$ 1,420,209	\$ 1,038,653	\$ -	\$ -	\$ 8,584,395

		Vintage 2020 True Up Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ -	\$ 39,491	\$ 88,006	\$ 87,175	\$ 52,780	\$ -	\$ 267,452
2	Energy Efficient Appliances and Devices	\$ -	\$ 478,379	\$ 968,716	\$ 959,567	\$ 527,431	\$ -	\$ 2,934,094
3	Energy Efficient Lighting	\$ -	\$ 526,525	\$ 989,630	\$ 980,284	\$ 503,036	\$ -	\$ 2,999,475
4	Multi-Family Energy Efficiency Program	\$ -	\$ 135,974	\$ 101,548	\$ 100,589	\$ 7,545	\$ -	\$ 345,656
5	My Home Energy Report	\$ -	\$ 9,210,111	\$ -	\$ -	\$ -	\$ -	\$ 9,210,111
6	Neighborhood Energy Saver	\$ -	\$ 8,475	\$ 6,927	\$ 6,862	\$ 808	\$ -	\$ 23,073
7	Residential Energy Assessments	\$ -	\$ 173,012	\$ 399,375	\$ 395,603	\$ 239,297	\$ -	\$ 1,207,286
8	Residential New Construction	\$ -	\$ 613,088	\$ 1,203,542	\$ 1,192,175	\$ 629,200	\$ -	\$ 3,638,005
9	Residential Smart Saver®	\$ -	\$ 201,496	\$ 409,252	\$ 405,387	\$ 217,075	\$ -	\$ 1,233,209
10	Weatherization Pilot	\$ -	\$ 3,855	\$ 8,067	\$ 7,990	\$ 4,642	\$ -	\$ 24,553
11	Lost Residential Revenues	\$ -	\$ 11,390,406	\$ 4,175,062	\$ 4,135,632	\$ 2,181,814	\$ -	\$ 21,882,915
12	Found Residential Revenues	\$ -	\$ -	\$ (12)	\$ (12)	\$ (22)	\$ -	\$ (47)
13	Net Lost Residential Revenues	\$ -	\$ 11,390,406	\$ 4,175,050	\$ 4,135,620	\$ 2,181,792	\$ -	\$ 21,882,868

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	\$ -	\$ 104,028	\$ 187,536	\$ 201,969	\$ 103,221	\$ -	\$ 596,755
15	EnergyWise for Business	\$ -	\$ 14,780	\$ 18,477	\$ 19,899	\$ 8,617	\$ -	\$ 61,773
16	Small Business Energy Saver	\$ -	\$ 449,403	\$ 685,579	\$ 738,344	\$ 342,666	\$ -	\$ 2,219,992
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ -	\$ 26,728	\$ 161,946	\$ 174,410	\$ 141,325	\$ -	\$ 504,408
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ 917,030	\$ 1,633,932	\$ 1,759,687	\$ 929,365	\$ -	\$ 5,240,014
19	Smart Saver® Non-Residential - Custom	\$ -	\$ 260,424	\$ 544,599	\$ 586,514	\$ 340,192	\$ -	\$ 1,731,729
20	Total Lost Revenues	\$ -	\$ 1,772,393	\$ 3,232,068	\$ 3,480,823	\$ 1,865,387	\$ -	\$ 10,350,671
21	Found Non- Residential Revenues	\$ -	\$ (5,064)	\$ (9,609)	\$ (9,609)	\$ (3,641)	\$ -	\$ (27,922)
22	Net Lost Non-Residential Revenues	\$ -	\$ 1,767,329	\$ 3,222,459	\$ 3,471,214	\$ 1,861,746	\$ -	\$ 10,322,749

		Vintage 2021 True Up Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ -	\$ -	\$ 62,992	\$ 107,208	\$ 105,903	\$ 44,231	\$ 320,334
2	Energy Efficient Appliances and Devices	\$ -	\$ -	\$ 524,238	\$ 747,982	\$ 738,878	\$ 225,739	\$ 2,236,837
3	Energy Efficient Lighting	\$ -	\$ -	\$ 624,136	\$ 1,168,093	\$ 1,153,875	\$ 542,743	\$ 3,488,847
4	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ 25,083	\$ 102,949	\$ 101,696	\$ 77,093	\$ 306,820
5	My Home Energy Report	\$ -	\$ -	\$ 11,825,124	\$ -	\$ -	\$ -	\$ 11,825,124
6	Neighborhood Energy Saver	\$ -	\$ -	\$ 10,993	\$ 30,726	\$ 30,352	\$ 19,581	\$ 91,652
7	Residential Energy Assessments	\$ -	\$ -	\$ 170,278	\$ 383,504	\$ 378,836	\$ 212,057	\$ 1,144,675
8	Residential New Construction	\$ -	\$ -	\$ 822,871	\$ 1,416,720	\$ 1,399,476	\$ 593,842	\$ 4,232,909
9	Residential Smart Saver®	\$ -	\$ -	\$ 257,139	\$ 473,891	\$ 468,123	\$ 216,347	\$ 1,415,500
10	Weatherization Pilot	\$ -	\$ -	\$ 9,771	\$ 17,955	\$ 17,737	\$ 8,170	\$ 53,632
11	Lost Residential Revenues	\$ -	\$ -	\$ 14,332,624	\$ 4,449,028	\$ 4,394,876	\$ 1,939,803	\$ 25,116,331
12	Found Residential Revenues	\$ -	\$ -	\$ (241)	\$ (670)	\$ (670)	\$ (430)	\$ (2,011)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 14,332,384	\$ 4,448,358	\$ 4,394,205	\$ 1,939,374	\$ 25,114,320

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	\$ -	\$ -	\$ 164,623	\$ 307,976	\$ 304,227	\$ 143,034	\$ 919,859
15	EnergyWise for Business	\$ -	\$ -	\$ 1,931	\$ 2,897	\$ 2,852	\$ 804	\$ 8,485
16	Small Business Energy Saver	\$ -	\$ -	\$ 464,118	\$ 984,788	\$ 969,456	\$ 476,935	\$ 2,895,298
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ -	\$ -	\$ 21,896	\$ 42,964	\$ 42,295	\$ 19,063	\$ 126,216
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ -	\$ 916,328	\$ 1,946,008	\$ 1,915,711	\$ 943,304	\$ 5,721,352
19	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ 303,152	\$ 661,831	\$ 651,527	\$ 329,805	\$ 1,946,316
20	Total Lost Revenues	\$ -	\$ -	\$ 1,872,049	\$ 3,946,464	\$ 3,886,068	\$ 1,912,945	\$ 11,617,525
21	Found Non- Residential Revenues	\$ -	\$ -	\$ (3,412)	\$ (6,626)	\$ (2,761)	\$ -	\$ (12,799)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 1,868,637	\$ 3,939,838	\$ 3,883,307	\$ 1,912,945	\$ 11,604,727

Duke Energy Progress
 For the Period January 1, 2019 - December 31, 2021
 Docket No. E-2, Sub 1322
 North Carolina Net Lost Revenue
 True Up for Vintages 2019 - 2021

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Aug 28 2023

		Vintage 2019 Variance Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ -	\$ (10)	\$ (33)	\$ (284)	\$ -	\$ -	\$ (327)
2	Energy Efficient Appliances and Devices	\$ -	\$ (115)	\$ (384)	\$ (2,823)	\$ -	\$ -	\$ (3,321)
3	Energy Efficient Lighting	\$ -	\$ (170)	\$ (570)	\$ (3,944)	\$ -	\$ -	\$ (4,684)
4	Multi-Family Energy Efficiency Program	\$ -	\$ (62)	\$ (206)	\$ (1,494)	\$ -	\$ -	\$ (1,761)
5	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Neighborhood Energy Saver	\$ (3,636)	\$ (12,284)	\$ (8,085)	\$ (6,277)	\$ -	\$ -	\$ (30,282)
7	Residential Energy Assessments	\$ -	\$ (43)	\$ (144)	\$ (1,026)	\$ -	\$ -	\$ (1,213)
8	Residential New Construction	\$ 0	\$ (111)	\$ (373)	\$ (2,781)	\$ -	\$ -	\$ (3,265)
9	Residential Smart Saver®	\$ -	\$ (46)	\$ (155)	\$ (1,089)	\$ -	\$ -	\$ (1,291)
10	Weatherization Pilot	\$ 1,207	\$ 2,241	\$ 1,157	\$ 735	\$ -	\$ -	\$ 5,339
11	Lost Residential Revenues	\$ (2,429)	\$ (10,600)	\$ (8,793)	\$ (18,983)	\$ -	\$ -	\$ (40,806)
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ (2,429)	\$ (10,600)	\$ (8,793)	\$ (18,983)	\$ -	\$ -	\$ (40,806)

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	\$ -	\$ (34)	\$ (108)	\$ 5,035	\$ -	\$ -	\$ 4,893
15	EnergyWise for Business	\$ (117)	\$ (119)	\$ (11)	\$ 777	\$ -	\$ -	\$ 531
16	Small Business Energy Saver	\$ -	\$ -	\$ -	\$ 22,347	\$ -	\$ -	\$ 22,347
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ -	\$ -	\$ -	\$ 1,265	\$ -	\$ -	\$ 1,265
18	Smart Saver® Non Residential Prescriptive	\$ (520)	\$ (358)	\$ 59	\$ 31,359	\$ -	\$ -	\$ 30,540
19	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ -	\$ 12,579	\$ -	\$ -	\$ 12,579
20	Net Lost Non-Residential Revenues	\$ (637)	\$ (510)	\$ (60)	\$ 73,363	\$ -	\$ -	\$ 72,155
21	Found Non- Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	Net Lost Non-Residential Revenues	\$ (637)	\$ (510)	\$ (60)	\$ 73,363	\$ -	\$ -	\$ 72,155

		Vintage 2020 Variance Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ -	\$ (12)	\$ (39)	\$ (929)	\$ (1,134)	\$ -	\$ (2,113)
2	Energy Efficient Appliances and Devices	\$ -	\$ (118)	\$ (396)	\$ (10,194)	\$ (11,339)	\$ -	\$ (22,047)
3	Energy Efficient Lighting	\$ -	\$ (121)	\$ (404)	\$ (10,414)	\$ (10,818)	\$ -	\$ (21,757)
4	Multi-Family Energy Efficiency Program	\$ -	\$ (36)	\$ (120)	\$ (1,148)	\$ (172)	\$ -	\$ (1,476)
5	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Neighborhood Energy Saver	\$ -	\$ (3,772)	\$ (3,093)	\$ (3,165)	\$ (386)	\$ -	\$ (10,415)
7	Residential Energy Assessments	\$ -	\$ (23)	\$ (77)	\$ (4,117)	\$ (5,114)	\$ -	\$ (9,331)
8	Residential New Construction	\$ -	\$ (142)	\$ (476)	\$ (12,650)	\$ (13,528)	\$ -	\$ (26,797)
9	Residential Smart Saver®	\$ -	\$ (42)	\$ (141)	\$ (4,281)	\$ (4,662)	\$ -	\$ (9,127)
10	Weatherization Pilot	\$ -	\$ 963	\$ 1,426	\$ 1,346	\$ 533	\$ -	\$ 4,268
11	Lost Residential Revenues	\$ -	\$ (3,302)	\$ (3,320)	\$ (45,550)	\$ (46,621)	\$ -	\$ (98,794)
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ (3,302)	\$ (3,320)	\$ (45,550)	\$ (46,621)	\$ -	\$ (98,794)

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	-	(24)	(77)	14,182	5,928	-	20,009
15	EnergyWise for Business	-	(15)	(14)	1,391	494	-	1,866
16	Small Business Energy Saver	-	(11,304)	(38,112)	13,978	(6,247)	-	(41,685)
17	Smart Saver(R) Non Residential Performance Incentive Program	-	-	-	12,313	8,137	-	20,450
18	Smart Saver® Non Residential Prescriptive	-	(174)	(168)	124,064	53,471	-	177,194
19	Smart Saver® Non-Residential - Custom	-	-	-	41,407	19,586	-	60,994
20	Total Lost Revenues	\$ -	\$ (11,516)	\$ (38,371)	\$ 207,336	\$ 81,369	\$ -	\$ 238,818
21	Found Non- Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ 1,780	\$ -	\$ 1,780
22	Net Lost Non-Residential Revenues	\$ -	\$ (11,516)	\$ (38,371)	\$ 207,336	\$ 83,149	\$ -	\$ 240,597

		Vintage 2021 Variance Lost Revenue kWh \$						
Line	Residential	2019	2020	2021	2022	2023	2024	Total
1	Energy Efficiency Education Program	\$ -	\$ -	\$ -	\$ (1,095)	\$ (2,260)	\$ 44,231	\$ 40,876
2	Energy Efficient Appliances and Devices	\$ -	\$ -	\$ -	\$ (7,638)	\$ (15,771)	\$ 225,739	\$ 202,330
3	Energy Efficient Lighting	\$ -	\$ -	\$ 1	\$ (11,927)	\$ (24,629)	\$ 542,743	\$ 506,188
4	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ -	\$ (1,051)	\$ (2,171)	\$ 77,093	\$ 73,871
5	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Neighborhood Energy Saver	\$ -	\$ -	\$ (4,467)	\$ (12,261)	\$ (12,579)	\$ 19,581	\$ (9,726)
7	Residential Energy Assessments	\$ -	\$ -	\$ -	\$ (3,916)	\$ (8,086)	\$ 212,057	\$ 200,055
8	Residential New Construction	\$ -	\$ -	\$ (0)	\$ (14,466)	\$ (29,872)	\$ 593,842	\$ 549,505
9	Residential Smart Saver®	\$ -	\$ -	\$ -	\$ (4,839)	\$ (9,992)	\$ 216,347	\$ 201,516
10	Weatherization Pilot	\$ -	\$ -	\$ 1,312	\$ 2,824	\$ 2,625	\$ 8,170	\$ 14,931
11	Lost Residential Revenues	\$ -	\$ -	\$ (3,154)	\$ (54,368)	\$ (102,736)	\$ 1,939,803	\$ 1,779,546
12	Found Residential Revenues	\$ -	\$ -	\$ (240)	\$ (443)	\$ (430)	\$ -	\$ (1,555)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ (3,394)	\$ (54,811)	\$ (103,179)	\$ 1,939,374	\$ 1,777,990

		2019	2020	2021	2022	2023	2024	Total
14	Energy Efficient Lighting	-	-	(1)	(3,145)	(6,494)	143,034	133,393
15	EnergyWise for Business	-	-	-	205	164	804	1,173
16	Small Business Energy Saver	-	-	(49,400)	(27,175)	(40,713)	476,935	359,647
17	Smart Saver(R) Non Residential Performance Incentive Program	-	-	-	3,033	2,435	19,062	24,530
18	Smart Saver® Non Residential Prescriptive	-	-	(169,415)	(199,259)	(225,752)	943,304	348,878
19	Smart Saver® Non-Residential - Custom	-	-	-	46,725	37,511	329,805	414,041
20	Total Lost Revenues	\$ -	\$ -	\$ (218,817)	\$ (179,617)	\$ (232,849)	\$ 1,912,945	\$ 1,281,662
21	Found Non- Residential Revenues	\$ -	\$ -	\$ (585)	\$ (1,081)	\$ 2,784	\$ -	\$ (1,182)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ (219,402)	\$ (180,698)	\$ (230,064)	\$ 1,912,945	\$ 1,282,781

Duke Energy Progress
System Event Based Demand Response January 1, 2022 - December 31, 2022
Docket Number E-2, Sub 1322

OFFICIAL COPY
Aug 28 2023

Date	State	Program Name	Event Trigger	Customers Notified/Switches Dispatched	MW Reduction <small>(at Generator except DSDR which is measured at T/D substation transformer bank)</small>
1/12/2022	NC and SC	DSDR	Capacity Needs	N/A	135
1/22/2022	NC and SC	DSDR	Capacity Needs	N/A	187
1/27/2022	NC and SC	DSDR	Capacity Needs	N/A	151
1/30/2022	NC and SC	DSDR	Capacity Needs	N/A	173
1/31/2022	NC and SC	DSDR	Capacity Needs	N/A	141
1/31/2022	NC and SC	EnergyWise Home - BYOT	Capacity	6,205/8,383	6.0
2/8/2022	NC and SC	EnergyWise Home - BYOT	Capacity	6,158/8,298	5.0
2/8/2022	NC and SC	EnergyWise Home - DLC	Capacity	17,689/18,331	6.0
2/14/2022	NC and SC	EnergyWise Home - BYOT	Capacity	6,158/8,298	5.0
2/14/2022	NC and SC	EnergyWise Home - DLC	Capacity	17,689/18,331	6.0
2/15/2022	NC and SC	EnergyWise Home - BYOT	Capacity	6,158/8,298	6.3
2/15/2022	NC and SC	EnergyWise Home - DLC	Capacity	17,689/18,331	6.0
3/13/2022	NC and SC	DSDR	Capacity Needs	N/A	158
3/14/2022	NC and SC	DSDR	Capacity Needs	N/A	141
5/19/2022	NC and SC	DSDR	Capacity Needs	N/A	136
5/20/2022	NC and SC	DSDR	Capacity Needs	N/A	146
6/1/2022	NC and SC	DSDR	Capacity Needs	N/A	175
6/2/2022	NC and SC	DSDR	Capacity Needs	N/A	243
6/14/2022	NC and SC	Demand Response Automation (Rider DRA)	Tariff - Minimum Event	23 Customers / 88 Sites	26.2
8/29/2022	NC and SC	EnergyWise Home - BYOT	Capacity	23,338/32,840	28
8/29/2022	NC and SC	EnergyWise Home - DLC	Capacity	193,835/219,782	164
8/29/2022	NC and SC	DSDR	Capacity Needs	N/A	333
8/30/2022	NC and SC	DSDR	Capacity Needs	N/A	151
12/24/2022	NC and SC	Demand Response Automation (Rider DRA)	Capacity Needs	25 Customers / 52 Sites	12.1
12/24/2022	NC and SC	Large Load Curtailable Rates & Riders	Capacity Needs	42 Customers / 51 Sites	132
12/25/2022	NC and SC	EnergyWise Home - BYOT	Capacity	11,193/15,046	16
12/25/2022	NC and SC	EnergyWise Home - DLC	Capacity	17,798/18,680	6
12/25/2022	NC and SC	DSDR	Capacity Needs	N/A	165
12/26/2022	NC and SC	Demand Response Automation (Rider DRA)	Capacity Needs	25 Customers / 52 Sites	12.9
12/26/2022	NC and SC	Large Load Curtailable Rates & Riders	Capacity Needs	42 Customers / 51 Sites	147.7
12/26/2022	NC and SC	EnergyWise Home - BYOT	Capacity	11,193/15,046	22
12/26/2022	NC and SC	EnergyWise Home - DLC	Capacity	17,798/18,680	6
12/26/2022	NC and SC	DSDR	Capacity Needs	N/A	211

Duke Energy Progress
 Estimate - January 1, 2024 - December 31, 2024
 Docket Number E-2, Sub Sub 1322 - Supplemental
 Projected Program/Portfolio Cost Effectiveness - Vintage 2024

Program	UCT	TRC	RIM	PCT
Residential Programs				
• Energy Education Program for Schools	1.12	1.14	0.39	10.45
• Energy Efficient Appliances & Devices	4.85	3.34	0.95	5.42
• Residential Smart \$aver	1.49	0.71	0.61	1.44
• Neighborhood Energy Saver	0.91	0.91	0.58	2.09
• Weatherization Pilot	0.00	0.00	0.00	
• Residential New Construction	1.88	2.19	0.77	3.97
• Energy Efficient Lighting	0.00	0.00	0.00	
• Income-Qualified Energy Efficiency and Weatherization	0.42	0.42	0.33	1.56
• Multi-Family EE Products & Services	4.28	4.39	0.77	39.83
• My Home Energy Report	2.81	2.81	0.69	
• EnergyWise Home	2.26	3.75	2.26	
• Residential Energy Assessments	2.14	2.09	0.61	30.24
Residential Total	2.07	2.05	0.79	4.79
Non-Residential Programs				
• EnergyWise for Business	0.84	1.39	0.81	82.55
• Smart \$aver(R) Non Residential Performance Incentive Program	3.31	1.35	1.21	1.89
• Smart \$aver® Non Residential Prescriptive	2.86	1.81	0.97	2.90
• Smart Saver® Non-Residential - Custom	3.66	1.50	1.33	1.91
• Small Business Energy Saver	2.77	1.73	1.06	2.63
• Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EEB)	3.89	69.14	3.89	
Non-Residential Total	2.95	1.86	1.13	2.67
Overall Portfolio Total	2.44	1.95	0.93	3.42

Duke Energy Progress, LLC
 Docket Number E-2, Sub 1322
 Actual Program and Avoided Costs, January 1, 2017 - December 31, 2022

Market	Program	2017		2018		2019		2020		2021		2022	
		Program Costs	Avoided Costs	Program Costs	Avoided Costs	Program Costs	Avoided Costs	Program Costs	Avoided Costs	Program Costs	Avoided Costs	Program Costs	Avoided Costs
Residential	Appliance Recycling Program	\$ 5,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential	Energy Efficient Appliances and Devices	-	-	-	-	2,160,799	10,224,171	3,051,854	8,710,041	\$ 1,336,043	\$ 5,644,364	\$ 2,494,680	\$ 10,459,821
Residential	Energy Efficiency Education Program	835,991	1,376,442	676,815	1,261,453	747,483	1,039,694	388,273	412,495	\$ 396,660	\$ 360,751	\$ 367,472	\$ 334,972
Residential	Energy Efficient Lighting	12,229,222	39,549,493	9,815,496	33,767,282	13,447,031	35,415,070	5,995,694	20,092,826	\$ 6,212,512	\$ 14,487,182	\$ 7,049,742	\$ 25,381,105
Residential	Power Manager	6,502,032	62,410,503	5,817,271	55,969,158	5,806,874	53,221,850	1,110,200	8,817,400	\$ 2,443,378	\$ 882,669	\$ 3,241,866	\$ 5,558,137
Residential	Weatherization Pilot	-	-	-	-	27,356	109,701	51,370	79,198	\$ 63,139	\$ 123,740	\$ 49,176	\$ 58,002
Residential	Multi-Family Energy Efficiency Program	2,514,413	10,163,052	2,409,743	8,510,368	2,156,484	5,977,179	892,251	1,389,245	\$ 377,471	\$ 673,764	\$ 572,714	\$ 1,205,430
Residential	My Home Energy Report	6,753,153	6,838,444	7,687,891	9,647,930	6,299,307	11,494,728	7,369,336	10,733,674	\$ 4,152,580	\$ 9,398,049	\$ 3,623,098	\$ 9,656,602
Residential	Neighborhood Energy Saver	1,781,211	1,117,743	1,845,739	1,682,539	1,671,298	1,244,442	401,046	143,940	\$ 601,722	\$ 187,939	\$ 2,625,610	\$ 1,702,839
Residential	Residential Energy Assessments	1,863,486	5,512,365	1,851,965	5,373,437	2,113,798	4,344,111	2,160,729	4,050,428	\$ 2,046,087	\$ 2,870,462	\$ 1,798,816	\$ 2,967,322
Residential	Residential Smart Saver®	6,961,463	6,313,442	7,168,833	6,300,422	6,411,758	5,417,341	6,494,225	5,453,175	\$ 6,365,722	\$ 3,855,373	\$ 3,002,711	\$ 3,088,369
Residential	Residential New Construction	11,671,724	21,481,837	13,189,949	22,773,154	15,113,951	19,396,567	18,861,261	22,840,461	\$ 18,415,175	\$ 20,371,403	\$ 20,690,791	\$ 24,029,721
Residential	Save Energy and Water Kit	888,869	17,187,186	825,279	10,207,563	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Non-Residential	Business Energy Report	20,330	737	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Non-Residential	Commercial, Industrial, Governmental Energy Effic	1,393,650	3,551,967	1,154,642	1,412,804	1,811,347	4,394,068	1,352,902	2,964,614	\$ 5,512,341	\$ 11,618,565	\$ -	\$ -
Non-Residential	EnergyWise for Business	1,390,549	858,655	2,108,030	151,825	2,412,880	921,420	1,896,524	691,466	\$ 1,358,137	\$ 456,862	\$ 1,198,684	\$ 331,689
Non-Residential	Energy Efficiency for Business	21,749,807	77,891,372	-	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -
Non-Residential	Non-Residential Smart Saver Prescriptive	-	-	11,515,913	65,391,512	7,877,838	31,468,924	7,863,953	28,514,369	\$ 8,272,474	\$ 18,922,368	\$ 9,601,093	\$ 21,265,889
Non-Residential	Non-Residential Smart Saver Custom	-	-	2,174,163	8,907,633	2,776,482	9,658,177	3,514,807	9,481,018	\$ 3,861,513	\$ 8,026,993	\$ 3,008,768	\$ 4,672,613
Non-Residential	Non-Res SmartSaver Performance	147,160	335,899	201,559	810,478	267,186	606,333	386,339	1,239,947	\$ 225,576	\$ 373,606	\$ 105,649	\$ 58,712
Non-Residential	Small Business Energy Saver	8,770,755	26,945,514	8,858,213	22,342,803	7,301,790	17,456,367	5,004,816	10,540,437	\$ 5,575,420	\$ 8,635,052	\$ 5,081,493	\$ 8,762,886
		\$ 85,479,401	\$ 281,534,651	\$ 77,301,500	\$ 254,510,362	\$ 78,403,665	\$ 212,390,144	\$ 66,795,579	\$ 136,154,734	\$ 67,215,950	\$ 106,889,142	\$ 64,512,363	\$ 119,534,108

Costs as Filed in	Docket Number
2015	E-2, Sub 1174
2016	E-2, Sub 1206
2017	E-2, Sub 1206
2018	E-2, Sub 1273
2019	E-2, Sub 1273
2020	E-2, Sub 1273
2021	E-2, Sub 1294
2022	E-2, Sub 1322

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. E-2, SUB 1322

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of)	
)	SUPPLEMENTAL DIRECT
Application of Duke Energy Progress, LLC)	TESTIMONY OF
for Approval of Demand-Side Management)	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 DIRECT TESTIMONY IN THIS**
6 **MATTER BEFORE THE NORTH CAROLINA UTILITIES**
7 **COMMISSION (“COMMISSION”)?**

8 A. Yes. I filed direct testimony on behalf of Duke Energy Progress, LLC
9 (“DEP” or the “Company”) in this matter on June 13, 2023.

10 **Q. WHAT IS THE PURPOSE OF YOUR SUPPLEMENTAL DIRECT**
11 **TESTIMONY?**

12 A. The purpose of my supplemental direct testimony is to update Miller
13 Exhibits 1, 2 and 3 filed with my direct testimony in this docket on June
14 13, 2023, to reflect certain updates and corrections.

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

17 A. Yes.

18 **II. CORRECTIONS TO DIRECT TESTIMONY**

19 **Q. PLEASE DESCRIBE THE CORRECTIONS TO YOUR DIRECT**
20 **TESTIMONY.**

21 A. Following the submission of my direct testimony and exhibits, in the course
22 of our comprehensive review and during the discovery process, a few minor

1 corrections were identified that impacted the proposed non-residential
2 billing factor.

3 The first correction pertains to the updates made to the Smart Saver
4 Non-Residential Prescriptive Program to correct the application of
5 Evaluation, Measurement, and Verification in Vintages 2021, 2022, and
6 2024 as well as to reconcile participation in Vintage 2021. These
7 adjustments are outlined in the supplemental direct testimony of Company
8 witness Casey Q. Fields. Miller Exhibits 1, 2 and 3 have been updated to
9 reflect these changes.

10 The second update pertains to the change in the regulatory fee
11 applied to noncompetitive jurisdictional revenues from 0.14% to 0.1475%
12 as approved in the Commission's June 30, 2023 *Order Increasing*
13 *Regulatory Fee Effective July 1, 2023* issued in Docket No. M-100, Sub
14 142. Increasing the regulatory fee multiplier had no impact on the rates
15 supplied in the original application and direct testimony filed on June 13,
16 2023; however, Miller Exhibit 1 has been updated to reflect the new
17 regulatory fee rate in the calculation of the revised rates proposed for
18 approval.

19 **Q. WHAT IS THE IMPACT OF THESE UPDATES ON THE**
20 **PROPOSED DEMAND-SIDE MANAGEMENT (“DSM”) AND**
21 **ENERGY EFFICIENCY (“EE”) RESIDENTIAL AND NON-**
22 **RESIDENTIAL BILLING FACTORS?**

- 1 A. The impact of the proposed updates is an overall reduction to the non-
 2 residential EE rates as shown in the table below. The table below reflects
 3 the rates originally proposed in my direct testimony (including a regulatory
 4 fee of 0.0014) and the revised rates proposed for approval (including a
 5 regulatory fee of 0.001475) in my supplemental direct testimony.

	Supplemental ¢/kWh	Direct ¢/kWh	Difference
Residential	0.629	0.629	0.000
Non-Residential EE	0.345	0.358	(0.013)
Non-Residential DSM	0.042	0.042	0.000
Lighting	0.000	0.000	0.000

6

- 7 **Q. ARE THERE ANY OTHER CORRECTIONS THAT NEED TO BE**
 8 **MADE TO YOUR DIRECT TESTIMONY?**

- 9 A. Yes. A summary of the costs associated with DEP's recovery request by
 10 period and DSM/EE program/measure provided in a table on page 5 of my
 11 direct testimony included some misclassification of program costs by
 12 program. A revised table is provided below.

Program/Measure	Test Period	Rate Period
	1/1/22 through 12/31/22	1/1/24 through 12/31/24
CIG DR	\$2,118,943	\$2,617,004
EnergyWise	\$16,332,470	\$17,166,763
EnergyWise for Business	\$910,922	\$1,107,847
DSDR Implementation	\$19,256,561	\$0
Residential Home Advantage	\$517	\$0
Residential Smart Saver/Home Energy Improvement	\$3,581,568	\$4,444,662
Residential Low Income – NES	\$2,345,924	\$3,241,109

Program/Measure	Test Period	Rate Period
	1/1/22 through 12/31/22	1/1/24 through 12/31/24
Energy Efficient Lighting	\$13,578,054	\$5,135,138
Appliance Recycling	\$31,968	\$7,425
My Home Energy Report	\$15,497,035	\$17,107,376
Small Business Energy Saver	\$7,583,286	\$11,585,828
Residential New Construction	\$20,701,780	\$19,840,370
Multi-Family EE	\$1,147,680	\$2,469,421
Energy Education Program for Schools	\$572,721	\$1,533,825
Save Energy & Water Kit	\$5,425,936	\$5,890,501
Residential Energy Assessments	\$2,708,016	\$6,849,442
Smart Saver Prescriptive	\$15,735,706	\$22,324,975
Smart Saver Custom	\$4,296,639	\$7,361,363
Smart Saver Performance Incentive	\$408,457	\$610,532
Administrative & General Costs	\$6,069,919	\$5,480,550
Carrying Cost on Balances	\$13,309,889	\$12,518,552
Found Revenue (total)	\$(57,247)	\$(173,765)
PPI Cap Adjustment	\$244,515	
Total Cost*	\$151,801,256	\$147,118,919

1 *Totals may not foot due to rounding

2 **Q. DOES THIS CONCLUDE YOUR SUPPLEMENTAL DIRECT**
3 **TESTIMONY?**

4 **A. Yes.**

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

	<u>Source:</u>	<u>cents/kWh Rate</u>	<u>Reg Fee</u>	<u>Billing Rate</u>
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	<u>0.530</u>
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	<u>0.527</u>
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	<u>0.051</u>
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

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
Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾ (1)	Rate Class Energy Allocation Factor ⁽²⁾ (2)	Residential Programs ⁽³⁾ (3)	CIG Programs ⁽⁴⁾ (4)	DSDR ⁽⁵⁾ (5)	EE EMF Revenue Requirement		Total of Allocated Costs ⁽⁸⁾ = Σ (3 thru 7) (8)	Less: Prior Period EE Rate Adjustment ⁽⁷⁾ (9)	Adjusted EE EMF Revenue Requirement ⁽¹⁰⁾ = (8) - (9) (10)	Total EE EMF Rate (cents/kWh) ⁽¹¹⁾ = (10) / (1) (11)
						Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾ (6)	DSDR Allocated A&G and Carrying Costs ⁽⁵⁾ (7)				
Residential	17,128,995,467	65.29%	\$60,646,421	\$ -	\$ 13,419,954	\$ 7,773,717	\$ 918,219	\$ 82,758,310	\$ 90,880,090	\$ (8,121,780)	(0.047)
General Service	8,734,624,909	33.29%	\$ -	\$33,798,254	\$ 6,843,265	\$ 4,698,475	\$ 468,229	\$ 45,808,223	\$ 61,697,043	\$ (15,888,820)	(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%	\$60,646,421	\$33,798,254	\$ 20,554,578	\$12,472,192	\$ 1,406,383	\$ 128,877,828	\$ 152,966,404	\$ (24,088,576)	

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

NC Rate Class	DSM EMF Revenue Requirement										
	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%	\$ -	\$ 14,883,107	\$ -	\$ 1,079,911	\$ 2,757,231	\$ 18,720,249	\$18,732,624	\$ (12,375)	-
General Service	8,660,219,034	25.43%	\$ -	\$ -	\$ 3,781,539	\$ 336,509	\$ 859,174	\$ 4,977,222	\$ 5,767,458	\$ (790,236)	(0.009)
Lighting	371,703,126	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
NC Retail	26,160,917,627	100%	\$ -	\$ 14,883,107	\$ 3,781,539	\$ 1,416,420	\$ 3,616,405	\$ 23,697,471	\$24,500,083	\$ (802,612)	

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 Period Revenue Requirement Summary - NC Retail
January 2022 - December 2022

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 (Batch 6-10), O&M Year 1-7 Amortization (Batch 1-11), O&M Year 8-10 Amortization (Batch 12-15), 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 Costs, Rev Reqmt Before PPI & NLR, Net Lost Revenue Recoupment, PPI/PRI, Rev Reqmt With PPI & NLR. Rows include program expenses for NC DSM, NC EE, and NC DSDR.

*All Non-Residential programs are amortized over a 3 year period. The Residential Lighting Program, Multi-Family EE and EE Education are recoverable over a 5 year period. My Home Energy Report is recoverable over a 1 year period. All other Residential EE programs are recoverable over 10 years.

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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Aug 28 2023

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>	-	-	1,069,605	1,069,605	103,204	-	2,072,492	2,175,696	-	10,120	-	10,120	103,204	10,120	3,142,097	3,255,421
11	Net Adjustments to DSM/EE EMF Clause <i>Σ Lines 1 through 11</i>	\$ 18,732,624	\$ 19,448,763	\$ 71,431,327	\$ 109,612,714	\$ 5,767,458	\$ 10,839,520	\$ 50,857,523	\$ 67,464,502	\$ -	\$ 389,271	\$ -	\$ 389,271	\$ 24,500,083	\$ 30,677,554	\$ 122,288,850	\$ 177,466,487
		<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>				<i>To Miller Exhibit 2 page 4</i>			
		\$90,880,090				\$61,697,043				\$152,966,404							
		<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 in 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	6,545,768	1,791,804	1,372,374	9,709,946	10,386,128	100.00%	(10,386,128)	(676,182)
2022 February	7,282,929	1,993,590	1,526,926	10,803,445	11,555,775	100.00%	(11,555,775)	(752,331)
2022 March	5,388,121	1,474,915	1,129,664	7,992,700	8,549,296	100.00%	(8,549,296)	(556,596)
2022 April	4,329,719	1,185,194	907,761	6,422,675	6,869,938	100.00%	(6,869,938)	(447,262)
2022 May	4,408,792	1,206,839	924,340	6,539,970	6,995,401	100.00%	(6,995,401)	(455,431)
2022 June	5,950,106	1,628,750	1,247,489	8,826,345	9,440,994	100.00%	(9,440,994)	(614,649)
2022 July	6,605,423	1,808,133	1,384,882	9,798,438	10,480,782	100.00%	(10,480,782)	(682,344)
2022 August	7,365,146	2,016,096	1,544,164	10,925,406	11,686,229	100.00%	(11,686,229)	(760,824)
2022 September	6,103,471	1,670,732	1,279,643	9,053,846	9,684,338	100.00%	(9,684,338)	(630,492)
2022 October	4,171,453	1,141,871	874,580	6,187,903	6,618,817	100.00%	(6,618,817)	(430,913)
2022 November	3,995,228	1,093,632	837,633	5,926,493	6,339,202	100.00%	(6,339,202)	(412,709)
2022 December	6,242,145	1,708,691	1,308,717	9,259,553	9,904,371	100.00%	(9,904,371)	(644,817)
	68,388,299	18,720,249	14,338,172	101,446,720	108,511,270			(7,064,550)

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	(676,182)	23.1330%	(156,421)	(156,421)	(519,760)	0.008333	(2,166)	(2,166)	0.76867	(2,817)
2022 February	(1,428,512)	23.1330%	(174,037)	(330,458)	(1,098,055)	0.008333	(6,741)	(8,907)	0.76867	(11,587)
2022 March	(1,985,108)	23.1330%	(128,757)	(459,215)	(1,525,893)	0.008333	(10,933)	(19,840)	0.76867	(25,810)
2022 April	(2,432,371)	23.1330%	(103,465)	(562,680)	(1,869,690)	0.008333	(14,148)	(33,988)	0.76867	(44,217)
2022 May	(2,887,801)	23.1330%	(105,355)	(668,035)	(2,219,766)	0.008333	(17,039)	(51,027)	0.76867	(66,384)
2022 June	(3,502,451)	23.1330%	(142,187)	(810,222)	(2,692,229)	0.008333	(20,467)	(71,494)	0.76867	(93,010)
2022 July	(4,184,795)	23.1330%	(157,847)	(968,069)	(3,216,726)	0.008333	(24,621)	(96,115)	0.76867	(125,040)
2022 August	(4,945,618)	23.1330%	(176,001)	(1,144,070)	(3,801,549)	0.008333	(29,243)	(125,357)	0.76867	(163,084)
2022 September	(5,576,111)	23.1330%	(145,852)	(1,289,922)	(4,286,189)	0.008333	(33,699)	(159,056)	0.76867	(206,924)
2022 October	(6,007,024)	23.1330%	(99,683)	(1,389,605)	(4,617,419)	0.008333	(37,098)	(196,155)	0.76867	(255,187)
2022 November	(6,419,733)	23.1330%	(95,472)	(1,485,077)	(4,934,656)	0.008333	(39,800)	(235,955)	0.76867	(306,965)
2022 December	(7,064,550)	23.1330%	(149,166)	(1,634,242)	(5,430,308)	0.008333	(43,187)	(279,142)	0.76867	(363,150)
Checks			(1,634,242)	(1,634,242)	(1,634,242)		(279,142)			(363,150)
Twelve months return on 2022 Year End Balance					(5,430,308)		(543,031)			(706,455)
Total return on Residential EE& DSM Programs										(1,069,605)

**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	271,293	85,786	357,079	406,371	100.0000%	(406,371)	(49,292)
2022 February	371,903	117,600	489,503	557,075	100.0000%	(557,075)	(67,572)
2022 March	310,336	98,131	408,468	464,854	100.0000%	(464,854)	(56,386)
2022 April	269,089	85,088	354,177	403,068	100.0000%	(403,068)	(48,891)
2022 May	298,618	94,426	393,044	447,301	100.0000%	(447,301)	(54,257)
2022 June	332,458	105,126	437,584	497,989	100.0000%	(497,989)	(60,405)
2022 July	348,482	110,193	458,675	521,992	100.0000%	(521,992)	(63,316)
2022 August	391,550	123,812	515,361	586,503	100.0000%	(586,503)	(71,142)
2022 September	322,204	101,884	424,088	482,630	100.0000%	(482,630)	(58,542)
2022 October	318,534	100,724	419,258	477,133	100.0000%	(477,133)	(57,875)
2022 November	249,357	78,849	328,206	373,512	100.0000%	(373,512)	(45,306)
2022 December	297,471	94,063	391,534	445,582	100.0000%	(445,582)	(54,048)
	<u>3,781,294</u>	<u>1,195,683</u>	<u>4,976,977</u>	<u>5,664,009</u>		<u>(5,664,009)</u>	<u>(687,032)</u>

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	(49,292)	23.1330%	(11,403)	(11,403)	(37,889)	0.008333	(158)	(158)	0.76867	(205)
2022 February	(116,864)	23.1330%	(15,631)	(27,034)	(89,830)	0.008333	(532)	(690)	0.76867	(898)
2022 March	(173,250)	23.1330%	(13,044)	(40,078)	(133,172)	0.008333	(929)	(1,619)	0.76867	(2,107)
2022 April	(222,141)	23.1330%	(11,310)	(51,388)	(170,753)	0.008333	(1,266)	(2,886)	0.76867	(3,754)
2022 May	(276,398)	23.1330%	(12,551)	(63,939)	(212,458)	0.008333	(1,597)	(4,482)	0.76867	(5,831)
2022 June	(336,803)	23.1330%	(13,973)	(77,913)	(258,890)	0.008333	(1,964)	(6,446)	0.76867	(8,386)
2022 July	(400,119)	23.1330%	(14,647)	(92,560)	(307,559)	0.008333	(2,360)	(8,806)	0.76867	(11,457)
2022 August	(471,261)	23.1330%	(16,457)	(109,017)	(362,244)	0.008333	(2,791)	(11,597)	0.76867	(15,087)
2022 September	(529,803)	23.1330%	(13,543)	(122,559)	(407,243)	0.008333	(3,206)	(14,803)	0.76867	(19,259)
2022 October	(587,678)	23.1330%	(13,388)	(135,948)	(451,730)	0.008333	(3,579)	(18,383)	0.76867	(23,915)
2022 November	(632,984)	23.1330%	(10,481)	(146,428)	(486,556)	0.008333	(3,910)	(22,292)	0.76867	(29,001)
2022 December	(687,032)	23.1330%	(12,503)	(158,931)	(528,101)	0.008333	(4,228)	(26,520)	0.76867	(34,501)
Checks			<u>(158,931)</u>	<u>(158,931)</u>	<u>(158,931)</u>		<u>(26,520)</u>			<u>(34,501)</u>
					Twelve months return on 2022 Year End Balance	(528,101)	(52,810)			(68,703)
					Total return on Non-Residential DSM					<u>(103,204)</u>

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

		Non-Residential EE Total Costs Incurred	Non-Residential DSDR Total Costs Incurred	Total Program Costs Incurred	NC EE Non-Residential Revenue Collected	NC Non-Residential EE Program Collection %	Total EE Revenue Collected	NC DSDR Non-Residential Revenue Collected	NC Non-Residential DSDR Program Collection %	DSDR Program Costs Revenue Collected	Total EE & DSDR Revenue Collected	(Over)/Under Collection
2022	January	2,745,248	446,526	3,191,775	3,488,523	100.0000%	(3,488,523)	661,989	100.0000%	(661,989)	(4,150,512)	(958,738)
2022	February	3,682,627	673,632	4,356,259	4,679,697	100.0000%	(4,679,697)	998,681	100.0000%	(998,681)	(5,678,377)	(1,322,118)
2022	March	3,130,859	605,223	3,736,082	3,978,537	100.0000%	(3,978,537)	897,262	100.0000%	(897,262)	(4,875,800)	(1,139,718)
2022	April	2,746,312	537,331	3,283,644	3,489,875	100.0000%	(3,489,875)	796,610	100.0000%	(796,610)	(4,286,485)	(1,002,842)
2022	May	2,999,459	587,894	3,587,353	3,811,561	100.0000%	(3,811,561)	871,571	100.0000%	(871,571)	(4,683,132)	(1,095,779)
2022	June	3,340,045	657,018	3,997,063	4,244,361	100.0000%	(4,244,361)	974,049	100.0000%	(974,049)	(5,218,410)	(1,221,347)
2022	July	3,503,194	688,366	4,191,560	4,451,682	100.0000%	(4,451,682)	1,020,525	100.0000%	(1,020,525)	(5,472,207)	(1,280,646)
2022	August	3,923,879	771,258	4,695,136	4,986,267	100.0000%	(4,986,267)	1,143,414	100.0000%	(1,143,414)	(6,129,681)	(1,434,544)
2022	September	3,238,877	636,696	3,875,573	4,115,802	100.0000%	(4,115,802)	943,921	100.0000%	(943,921)	(5,059,723)	(1,184,150)
2022	October	3,202,394	629,306	3,831,701	4,069,441	100.0000%	(4,069,441)	932,966	100.0000%	(932,966)	(5,002,407)	(1,170,707)
2022	November	2,499,207	491,149	2,990,356	3,175,867	100.0000%	(3,175,867)	728,143	100.0000%	(728,143)	(3,904,010)	(913,654)
2022	December	2,987,239	587,095	3,574,334	3,796,032	100.0000%	(3,796,032)	870,387	100.0000%	(870,387)	(4,666,420)	(1,092,085)
		37,999,341	7,311,495	45,310,836	48,287,644		(48,287,644)	10,839,520		(10,839,520)	(59,127,164)	(13,816,328)

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	(958,738)	23.1330%	(221,785)	(221,785)	(736,953)	0.008333	(3,071)	(3,071)	0.76867	(3,995)
2022	February	(2,280,856)	23.1330%	(305,846)	(527,630)	(1,753,225)	0.008333	(10,376)	(13,446)	0.76867	(17,493)
2022	March	(3,420,573)	23.1330%	(263,651)	(791,281)	(2,629,292)	0.008333	(18,260)	(31,707)	0.76867	(41,249)
2022	April	(4,423,415)	23.1330%	(231,987)	(1,023,269)	(3,400,147)	0.008333	(25,123)	(56,830)	0.76867	(73,932)
2022	May	(5,519,194)	23.1330%	(253,487)	(1,276,755)	(4,242,439)	0.008333	(31,844)	(88,674)	0.76867	(115,360)
2022	June	(6,740,542)	23.1330%	(282,534)	(1,559,289)	(5,181,252)	0.008333	(39,265)	(127,939)	0.76867	(166,442)
2022	July	(8,021,188)	23.1330%	(296,252)	(1,855,541)	(6,165,647)	0.008333	(47,279)	(175,218)	0.76867	(227,949)
2022	August	(9,455,732)	23.1330%	(331,853)	(2,187,395)	(7,268,338)	0.008333	(55,975)	(231,193)	0.76867	(300,770)
2022	September	(10,639,882)	23.1330%	(273,929)	(2,461,324)	(8,178,558)	0.008333	(64,362)	(295,555)	0.76867	(384,501)
2022	October	(11,810,589)	23.1330%	(270,820)	(2,732,144)	(9,078,445)	0.008333	(71,904)	(367,459)	0.76867	(478,045)
2022	November	(12,724,243)	23.1330%	(211,356)	(2,943,499)	(9,780,744)	0.008333	(78,580)	(446,039)	0.76867	(580,274)
2022	December	(13,816,328)	23.1330%	(252,632)	(3,196,131)	(10,620,197)	0.008333	(85,004)	(531,043)	0.76867	(690,859)
Checks				(3,196,131)	(3,196,131)	(3,196,131)		(531,043)			(690,859)
				Twelve months return on 2022 Year End Balance			(10,620,197)		(1,062,020)		(1,381,633)
				Total return on Non-Residential EE programs							(2,072,492)

**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	100.0000%	(19,544)	(3,498)
2022	February	22,574	1,545	24,118	100.0000%	(29,376)	(5,257)
2022	March	25,220	1,726	26,946	100.0000%	(32,819)	(5,874)
2022	April	30,295	2,073	32,367	100.0000%	(39,423)	(7,055)
2022	May	29,341	2,008	31,348	100.0000%	(38,182)	(6,833)
2022	June	24,489	1,676	26,164	100.0000%	(31,868)	(5,703)
2022	July	23,455	1,605	25,059	100.0000%	(30,522)	(5,462)
2022	August	24,792	1,696	26,489	100.0000%	(32,263)	(5,774)
2022	September	23,658	1,619	25,276	100.0000%	(30,786)	(5,510)
2022	October	24,523	1,678	26,201	100.0000%	(31,913)	(5,711)
2022	November	23,328	1,596	24,925	100.0000%	(30,358)	(5,433)
2022	December	24,667	1,688	26,354	100.0000%	(32,099)	(5,745)
		291,359	19,935	311,295		(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)	0.76867	(15)
2022	February	(8,755)	23.1330%	(1,216)	(2,025)	(6,730)	0.008333	(39)	0.76867	(66)
2022	March	(14,629)	23.1330%	(1,359)	(3,384)	(11,245)	0.008333	(75)	0.76867	(163)
2022	April	(21,684)	23.1330%	(1,632)	(5,016)	(16,668)	0.008333	(116)	0.76867	(314)
2022	May	(28,517)	23.1330%	(1,581)	(6,597)	(21,921)	0.008333	(161)	0.76867	(524)
2022	June	(34,221)	23.1330%	(1,319)	(7,916)	(26,304)	0.008333	(201)	0.76867	(785)
2022	July	(39,683)	23.1330%	(1,264)	(9,180)	(30,503)	0.008333	(237)	0.76867	(1,093)
2022	August	(45,457)	23.1330%	(1,336)	(10,516)	(34,942)	0.008333	(273)	0.76867	(1,448)
2022	September	(50,967)	23.1330%	(1,275)	(11,790)	(39,177)	0.008333	(309)	0.76867	(1,849)
2022	October	(56,678)	23.1330%	(1,321)	(13,111)	(43,567)	0.008333	(345)	0.76867	(2,298)
2022	November	(62,111)	23.1330%	(1,257)	(14,368)	(47,743)	0.008333	(380)	0.76867	(2,793)
2022	December	(67,856)	23.1330%	(1,329)	(15,697)	(52,159)	0.008333	(416)	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)