

Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Summary of 2021 DSM/EE Rates

	<u>Source:</u>	<u>cents/kWh</u> <u>Rate</u>	<u>Reg Fee</u>	<u>Billing Rate</u>
Residential Rate				
EMF Rate - DSM	Listebarger Exhibit 2, page 5	0.001	0.000	0.001
EMF Rate - EE	Listebarger Exhibit 2, page 4	0.056	0.000	0.056
Projected Rate - DSM	Listebarger Exhibit 2, page 2	0.114	0.000	0.114
Projected Rate - EE	Listebarger Exhibit 2, page 1	0.549	0.001	0.550
Total Residential Rate		0.720		0.721
General Service				
EE EMF Rate	Listebarger Exhibit 2, page 4	0.040	0.000	0.040
EE Projected Rate	Listebarger Exhibit 2, page 1	0.637	0.001	0.638
Total General Service EE Rate		0.677		0.678
DSM EMF Rate	Listebarger Exhibit 2, page 5	-0.008	0.000	-0.008
DSM Projected Rate	Listebarger Exhibit 2, page 2	0.061	0.000	0.061
Total General Service DSM Rate		0.053		0.053
Lighting EE Rate				
Lighting EE EMF Rate	Listebarger Exhibit 2, page 4	0.005	0.000	0.005
Lighting EE Projected Rate	Listebarger Exhibit 2, page 1	0.119	0.000	0.119
Total Lighting EE Rate		0.124		0.124

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
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	16,576,122,049	62.52%	\$ 63,245,421	\$ -	\$ 3,408,568	\$ 7,926,723	\$ 16,380,531	\$ 90,961,243	0.549
General Service	9,578,145,621	36.12%	\$ -	\$ 44,084,752	\$ 1,969,565	\$ 5,488,633	\$ 9,465,128	\$ 61,008,078	0.637
Lighting	360,847,443	1.36%	\$ -	\$ -	\$ 74,201	\$ -	\$ 356,590	\$ 430,791	0.119
NC Retail	26,515,115,113	100%	\$ 63,245,421	\$ 44,084,752	\$ 5,452,335	\$ 13,415,355	\$ 26,202,248	\$ 152,400,111	

NOTES:

(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Listebarger Exhibit 6.

(2) Rate Class Energy Allocation Factor is derived in Listebarger Exhibit 5, page 5, column (4).

(3) Residential Program costs are allocated solely to the Residential Class in compliance with 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 Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with 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 1273
Demand-Side Management Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	DSM Revenue Requirements					
			EnergyWise Program Costs ⁽³⁾	CIG DR Program ⁽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	16,576,122,049	68.84%	\$ 15,249,279	\$ -	\$ 844,263	\$ 2,850,869	\$ 18,944,411	0.114
General Service	9,552,012,298	31.16%	\$ -	\$ 4,391,128	\$ 331,527	\$ 1,119,484	\$ 5,842,139	0.061
Lighting	360,212,520	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	-
NC Retail	26,488,346,867	100.00%	\$ 15,249,279	\$ 4,391,128	\$ 1,175,790	\$ 3,970,353	\$ 24,786,549	

NOTES:

(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Listebarger Exhibit 6.

(2) Rate Class Demand Allocation Factor is derived in Listebarger Exhibit 5, page 6, column (5).

(3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(4) CIG DR Program costs are directly assigned solely to the General Service Class in compliance with 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 1273
Rate Period Revenue Requirement Summary - NC Level
January 2022 - December 2022

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																		
O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR		
(1)	(2)	(3)	(4)	(5)	(6)		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)		
			ΣCols(1)thru(3)	((1)+(2))/10 or 5 or 3	(3)/3								ΣCols(5)thru(15)			ΣCols(16)thru(18)		
1,754,390		-	1,754,390	584,797	-	1,406,284							1,991,081		263,724	2,254,804		
10,645,101		-	10,645,101	1,064,510	-	9,932,548							10,997,058		4,252,220	15,249,279		
2,522,669		-	2,522,669	840,890	-	1,486,373							2,327,263	29,532	(220,471)	2,136,324		
14,922,160	-		14,922,160	2,490,197	-	12,825,205	-	-	-	-	-	-	15,315,402	29,532	4,295,473	19,640,407		
-		1,273,332	1,273,332		424,445	751,345					3,258,608	711,745	5,146,143			5,146,143		
14,922,160		1,273,332	16,195,492	2,490,197	424,445	13,576,550					3,258,608	711,745	20,461,545	29,532	4,295,473	24,786,549		
-			-	-	-	17,926							17,926	-	517	18,443		
2,836,474			2,836,474	283,647	-	4,437,766							4,721,413	941,657	(33,910)	5,629,161		
2,632,146			2,632,146	263,215	-	1,271,797							1,535,012	335,971	235,924	2,106,907		
-			-	-	-	-							-		-	-		
4,368,050			4,368,050	873,610	-	5,068,591							5,942,201	2,097,968	2,546,988	10,587,157		
-			-	-	-	322,281							322,281		31,968	354,249		
5,621,998			5,621,998	5,621,998	-	-							5,621,998	9,262,304	332,908	15,217,210		
13,011,253			13,011,253	1,301,125	-	8,195,331							9,496,456	3,082,444	809,645	13,388,544		
1,653,453			1,653,453	330,691	-	1,343,970							1,674,661	1,538,764	394,652	3,608,077		
1,087,376			1,087,376	217,475	-	465,923							683,398	446,543	168,500	1,298,440		
4,323,640			4,323,640	864,728	-	954,459							1,819,187	3,748,547	1,030,914	6,598,648		
3,014,793			3,014,793	602,959	-	1,646,582							2,249,541	1,824,710	364,347	4,438,598		
-			-	-	-	-							-	(12)		(12)		
38,549,183		-	38,549,183	10,359,448	-	23,724,627							34,084,075	23,278,894	5,882,452	63,245,421		
0			-	-	-	1,850,729							1,850,729			1,850,729		
529,416			529,416	105,883	-	614,203							720,086	412,165	943,798	2,076,049		
-			-	-	-	-							-		-	-		
11,031,922			11,031,922	3,677,308	-	5,492,914							9,170,222	6,841,558	4,174,035	20,185,814		
3,961,123			3,961,123	1,320,374	-	2,001,612							3,321,986	1,812,086	640,148	5,774,221		
208,003			208,003	69,334	-	148,616							217,950	362,845	96,968	677,764		
8,868,395			8,868,395	2,956,132	-	5,363,439							8,319,571	3,703,150	1,519,614	13,542,336		
-			-	-	-	-							-		-	-		
-			-	-	-	-							-	(22,160)		(22,160)		
24,598,859	-	-	24,598,859	8,129,031	-	15,471,513	-	-	-	-	-	-	23,600,544	13,109,644	7,374,563	44,084,752		
63,148,042		-	63,148,042	18,488,479	-	39,196,140							-	-	57,684,619	36,388,539	13,257,015	107,330,173
-		5,618,202	5,618,202		1,872,734	2,430,075					7,478,987	1,633,559	13,415,355			13,415,355		
63,148,042		5,618,202	68,766,245	18,488,479	1,872,734	41,626,215					7,478,987	1,633,559	71,099,974	36,388,539	13,257,015	120,745,529		
4,414,974	712,082		5,127,056	512,706	-	4,939,629									5,452,335	-	-	5,452,335
-			-	-	-	-	11,173,004	2,709,102	674,033	9,982,628	1,364,708	298,773	26,202,248			26,202,248		
4,414,974	712,082	-	5,127,056	512,706	-	4,939,629	11,173,004	2,709,102	674,033	9,982,628	1,364,708	298,773	31,654,583	-	-	31,654,583		
82,485,176	712,082	6,891,535	90,088,793	21,491,382	2,297,179	60,142,393	11,173,004	2,709,102	674,033	9,982,628	12,102,303	2,644,076	123,216,102	36,418,070	17,552,489	177,186,661		

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

Jun 15 2021

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DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales (1)	Rate Class Energy Allocation Factor (2)	EE EMF Revenue Requirement								
			Residential Programs (3)	CIG Programs (4)	DSDR (5)	Non-DSDR Allocated A&G and Carrying Costs (6)	DSDR Allocated A&G and Carrying Costs (5)	Total of Allocated Costs (8) = Σ (3 thru 7)	Less: Prior Period EE Rate Adjustment (7)	Adjusted EE EMF Revenue Requirement (10)=(8)-(9)	Total EE EMF Rate (cents/kWh) (11) = (10) / (1)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Residential	16,576,122,049	62.52%	\$ 63,753,433	\$0	\$ 12,582,268	\$ 7,451,032	\$ 918,646	\$ 84,705,379	\$ 75,503,707	\$ 9,201,672	0.056
General Service	9,578,145,621	36.12%	\$0	\$ 44,616,173	\$ 7,270,385	\$ 4,712,221	\$ 530,819	\$ 57,129,598	\$ 53,278,068	\$ 3,851,530	0.040
Lighting	360,847,443	1.36%	\$0	\$0	\$ 273,905	\$ -	\$ 19,998	\$ 293,903	\$ 274,954	\$ 18,949	0.005
NC Retail	26,515,115,113	100.00%	\$ 63,753,433	\$ 44,616,173	\$ 20,126,558	\$ 12,163,252	\$ 1,469,463	\$ 142,128,880	\$ 129,056,729	\$ 13,072,151	

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Listebarger Exhibit 6.
(2) Rate Class Energy Allocation Factor is derived in Listebarger Exhibit 5, page 5, column (4).
(3) Residential Program costs are allocated solely to the Residential rates in compliance with 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 Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with 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 Listebarger Exhibit 2, page 7.

Please note: Exhibit may not foot due to rounding.

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
Demand-Side Management Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWh Sales (1)	Rate Class Demand Allocation Factor ⁽²⁾ (2)	DSM EMF Reven		DSM EMF Revenue Requirement						
			Allocated DSDR Program Costs (3)	EnergyWise Program Costs ⁽³⁾ (3)	CIG DR Program ⁽⁴⁾ (4)	Allocated A&G Costs ⁽⁵⁾ (5)	Allocated Carrying Costs ⁽⁵⁾ (6)	Total of Allocated Costs (7) = Σ (3 thru 6)	Less: Prior Period DSM Rate Adjustment ⁽⁶⁾ (8)	Adjusted DSM EMF Revenue Requirement (9)=(7)-(8)	Total DSM EMF Rate (cents/kWh) (10) = (9) / (1)
Residential	16,576,122,049	68.84%	\$0	\$ 15,482,558	\$ -	\$ 668,256	\$ 2,673,186	\$ 18,823,999	\$ 18,579,285	\$ 244,714	0.001
General Service	9,552,012,298	31.16%	\$0	\$ -	\$ 4,022,142	\$ 250,192	1,000,829	\$ 5,273,163	\$ 6,038,059	\$ (764,895)	(0.008)
Lighting	360,212,520	0.00%	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
NC Retail	26,488,346,867	100%	\$0	\$ 15,482,558	\$ 4,022,142	\$ 918,448	\$ 3,674,015	\$ 24,097,162	\$ 24,617,344	\$ (520,181)	
CHK			CHK								

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Listebarger Exhibit 6.
(2) Rate Class Demand Allocation Factor is derived in Listebarger Exhibit 5, page 6, column (5).
(3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(4) CIG DR costs are directly assigned solely to the General Service Rate Class in compliance with 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 Listebarger Exhibit 2, page 7.

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DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
EMF Period Revenue Requirement Summary - NC Level
January 2020 - December 2020

	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(13)			ΣCols(14)thru(16)
NC DSM Program Expenses																	
1 CIG DR	1,501,957			1,501,957	500,652	-	1,592,919					-	-	2,093,571		256,702	2,350,273
2 EnergyWise	11,625,907			11,625,907	1,162,591	-	9,043,633					-	-	10,206,224		5,276,333	15,482,558
3 EnergyWise for Business	1,465,227			1,465,227	488,409		1,239,186							1,727,595	67,077	(122,803)	1,671,869
4 Total DSM	14,593,091			14,593,091	2,151,652	-	11,875,738					-	-	14,027,391	67,077	5,410,232	19,504,700
5 DSM Assigned A&G and CCost	-		1,189,929	1,189,929		396,643	521,805					3,014,136	659,879	4,592,463			4,592,463
6 Total DSM and Assigned Costs	14,593,091		1,189,929	15,783,020	2,151,652	396,643	12,397,543					3,014,136	659,879	18,619,853	67,077	5,410,232	24,097,162
NCE Program Expenses																	
7 Residential Home Advantage	-			-	-	-	224,324					-	-	224,324	-	140,907	365,231
8 Residential Smart Saver/Home Energy Imprc	5,249,930			5,249,930	524,993		4,587,643					-	-	5,112,636	939,237	227,693	6,279,566
9 Neighborhood Energy Saver/Weatherization	321,648			321,648	32,165		1,407,709					-	-	1,439,874	218,847	-	1,658,721
10 Solar Hot Water Pilot	-			-	-		15,912					-	-	15,912	-	-	15,912
11 EE Lighting (Res)*	4,887,760			4,887,760	977,552		8,466,701					-	-	9,444,253	3,451,495	4,249,585	17,145,334
12 Appliance Recycling	-			-	-		550,144					-	-	550,144	2,348,711	91,207	2,990,061
13 My Home Energy Report	5,922,407			5,922,407	5,922,407		-					-	-	5,922,407	9,317,886	355,484	15,595,776
14 Residential New Construction	15,125,754			15,125,754	1,512,575		5,420,737					-	-	6,933,312	2,279,593	704,807	9,917,712
15 Home Depot CFL	-			-	-	-	-					-	-	-	-	-	-
16 Energy Education Program for Schools	311,456			311,456	62,291		524,566					-	-	586,857	286,666	-	873,523
17 Save Energy & Water Kits	1,775,894			1,775,894	355,179		586,962					-	-	942,141	-	1,283,005	2,225,146
18 Residential Energy Assessments	1,774,101			1,774,101	354,820		1,182,001					-	-	1,536,821	925,674	358,285	2,820,780
19 Multi-Family	716,655			716,655	143,331		1,605,072					-	-	1,748,403	1,584,081	538,755	3,871,239
20 Found Revenue	-			-	-		-					-	-	-	(5,569)	-	(5,569)
21 Subtotal-Residential	36,085,606			36,085,606	9,885,313	-	24,571,771	-	-	-	-	-	-	34,457,084	21,346,621	7,949,729	63,753,433
22 CIG Energy Efficiency	-			-	-		3,262,526					-	-	3,262,526			3,262,526
23 EE Lighting (Gen Svc)*	592,274			592,274	118,455		1,026,881					-	-	1,145,336	731,665	1,509,366	3,386,367
24 Energy Efficiency for Business	-			-	-		-					-	-	-			-
25 Smart Saver Prescriptive	6,210,114			6,210,114	2,070,038		5,332,093					-	-	7,402,131	6,646,957	6,596,738	20,645,825
26 Smart Saver Custom	2,626,137			2,626,137	875,379		1,264,161					-	-	2,139,540	1,311,985	746,352	4,197,877
27 Smart Saver Performance Incentive	184,423			184,423	61,474		127,151					-	-	188,625	135,338	68,688	392,651
28 Small Business Energy Saver	3,809,900			3,809,900	1,269,967		6,383,405					-	-	7,653,372	3,493,751	1,662,323	12,809,447
29 Business Energy Report	-			-	-		-					-	-	-	-	-	-
30 Found Revenue	-			-	-		-					-	-	-	(78,520)	-	(78,520)
30 Subtotal-General Service	13,422,848			13,422,848	4,395,313	-	17,396,217	-	-	-	-	-	-	21,791,530	12,241,176	10,583,467	44,616,173
31 Total of EE Programs	49,508,454			49,508,454	14,280,626	-	41,967,988					-	-	56,248,614	33,587,797	18,533,196	108,369,607
32 EE Assigned A&G and CCost	-		3,784,831	3,784,831		1,261,610	1,965,374					7,331,252	1,605,016	12,163,252			12,163,252
33 Total EE and Assigned Costs	49,508,454		3,784,831	53,293,285	14,280,626	1,261,610	43,933,361					7,331,252	1,605,016	68,411,866	33,587,797	18,533,196	120,532,859
NC DSDR Program Expenses																	
34 DSDR Program	4,079,423	806,948		4,886,370	488,637	-	4,843,364	7,133,285	1,576,055	726,281	5,358,937			20,126,558	-		20,126,558
35 DSDR Proforma Adjustments	-			-	-		-							-			-
36 DSDR Assigned A&G and CCost	-		-	-	-		-					1,205,537	263,926	1,469,463			1,469,463
37 Total DSDR and Assigned Costs	4,079,423	806,948	-	4,886,370	488,637	-	4,843,364	7,133,285	1,576,055	726,281	5,358,937	1,205,537	263,926	21,596,021	-	-	21,596,021
38 Test Period Totals	68,180,968	806,948	4,974,760	73,962,676	16,920,915	1,658,253	61,174,269	7,133,285	1,576,055	726,281	5,358,937	11,550,926	2,528,820	108,627,740	33,654,874	23,943,428	166,226,042

*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.

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DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
EMF Adjustment Summary
January 2020 - December 2020

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 Listebarger Exhibit 4</i>	\$ 18,632,590	\$ 13,157,554	\$ 63,302,627	\$ 95,092,771	\$ 5,940,410	\$ 7,243,328	\$ 46,248,475	\$ 59,432,213	\$ -	\$ 277,433	\$ -	\$ 277,433	\$ 24,573,000	\$ 20,678,315	\$ 109,551,102	\$ 154,802,417
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	(53,305)	(20,093)	(170,956)	(244,354)	(1,466)	(1,238)	(18,140)	(20,844)	-	-	-	-	(54,771)	(21,331)	(189,096)	(265,198)
4	True up of Vintage 2019 PPI ⁴ <i>Amounts from Summary (2019) - Exhibit</i>	-		14,713	14,713	-		-	-			-	-	-	-	14,713	14,713
5	True up of Vintage 2017 Lost Revenue through Year 2019 ⁵ <i>Amounts from Evans Exhibit 2 pages 4-7</i>			(0)	(0)			(0)	(0)					-	-	(0)	(0)
6	True up of Vintage 2018 Lost Revenue through Year 2019 ⁶ <i>Amounts from Evans Exhibit 2 pages 4-7</i>			(44,830)	(44,830)			-	-			-	-	-	-	(44,830)	(44,830)
7	True up of Vintage 2019 Lost Revenue through Year 2019 ⁷ <i>Amounts from Evans Exhibit 2 pages 4-7</i>			(793)	(793)			\$ 86,932	86,932				-	-	-	86,139	86,139
8	Interest on Overcollections/(Undercollections) ⁸ <i>Amounts from Listebarger Exhibit 3</i>	-	-	(734,515)	(734,515)	99,115	-	(281,290)	(182,175)	-	(2,479)	-	(2,479)	99,115	(2,479)	(1,015,805)	(919,168)
9	Net Adjustments to DSM/EE EMF Clause <i>Lines 1 through 8</i>	\$ 18,579,285	\$ 13,137,461	\$ 62,366,246	\$ 94,082,992	\$ 6,038,059	\$ 7,242,090	\$ 46,035,978	\$ 59,316,126	\$ -	\$ 274,954	\$ -	\$ 274,954	\$ 24,617,344	\$ 20,654,505	\$ 108,402,224	\$ 153,674,073
		\$75,503,707 To Listebarger Exhibit 2 page 4				\$53,278,068 To Listebarger Exhibit 2 page 4				\$129,056,729 To Listebarger Exhibit 2 page 4							

¹ Actual DSM/EE Rate billings for test period (*January 2020 through December 2020*).

² The Company is not requesting an adjustment for uncollectibles in this proceeding.

³ The Company's actual uncollectible experience was greater than the rate approved in the last rate case proceeding. An adjustment is necessary.

⁴ See Evans Exhibit 1 page 3 for a detail list of Vintage 2017 programs impacted by EM&V true-ups

⁵ See Evans Exhibit 2 page 6 for a detail list of Vintage 2017 programs impacted by EM&V true-ups

⁶ See Evans Exhibit 2 page 6 for a detail list of Vintage 2018 programs impacted by EM&V true-ups

⁷ See Evans Exhibit 2 page 6 for a detail list of Vintage 2019 programs impacted by EM&V true-ups

⁸ Calculated interest obligation associated with test period (*January 1, 2020 through December 31, 2020*).

Please note: Exhibit may not foot due to rounding.

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DEP is undercollected on program costs and undercollected in total, therefore the Company is calculating interest on the program cost piece of the balance.

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

734,515

Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Estimated Return Calculation -Non-Residential DSM Programs Vintage 2020

		Non-Residential DSM Program Costs Incurred	Non-Residential Allocated 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	
2020	January	326,122	101,398	427,520	481,483	100.0000%	(481,483)	(53,963)	DEP is overcollected on program costs, but undercollected in total. Interest is calculated on program cost piece of the balance.
2020	February	340,165	105,764	445,929	502,216	100.0000%	(502,216)	(56,287)	
2020	March	313,720	97,542	411,262	463,173	100.0000%	(463,173)	(51,911)	
2020	April	279,032	86,757	365,789	411,960	100.0000%	(411,960)	(46,171)	
2020	May	266,326	82,806	349,132	393,201	100.0000%	(393,201)	(44,069)	
2020	June	326,524	101,523	428,047	482,076	100.0000%	(482,076)	(54,029)	
2020	July	392,810	122,132	514,942	579,940	100.0000%	(579,940)	(64,998)	
2020	August	423,434	131,654	555,088	625,153	100.0000%	(625,153)	(70,065)	
2020	September	401,205	124,743	525,948	592,334	100.0000%	(592,334)	(66,387)	
2020	October	322,576	100,296	422,872	476,248	100.0000%	(476,248)	(53,376)	
2020	November	295,718	91,945	387,663	436,595	100.0000%	(436,595)	(48,932)	
2020	December	335,976	104,462	440,438	496,031	100.0000%	(496,031)	(55,593)	
		4,023,609	1,251,021	5,274,630	5,940,410		(5,940,410)	(665,781)	

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
			2020 tax rate				10.00%			0.76867	
2020	January	(53,963)	23.1330%	(12,483)	(12,483)	(41,480)	0.008333	(173)	(173)	0.76867	(225)
2020	February	(110,250)	23.1330%	(13,021)	(25,504)	(84,746)	0.008333	(526)	(699)	0.76867	(909)
2020	March	(162,160)	23.1330%	(12,009)	(37,513)	(124,648)	0.008333	(872)	(1,571)	0.76867	(2,044)
2020	April	(208,331)	23.1330%	(10,681)	(48,193)	(160,138)	0.008333	(1,187)	(2,758)	0.76867	(3,588)
2020	May	(252,400)	23.1330%	(10,194)	(58,388)	(194,012)	0.008333	(1,476)	(4,233)	0.76867	(5,508)
2020	June	(306,429)	23.1330%	(12,499)	(70,886)	(235,543)	0.008333	(1,790)	(6,023)	0.76867	(7,836)
2020	July	(371,427)	23.1330%	(15,036)	(85,922)	(285,505)	0.008333	(2,171)	(8,194)	0.76867	(10,660)
2020	August	(441,492)	23.1330%	(16,208)	(102,130)	(339,362)	0.008333	(2,604)	(10,798)	0.76867	(14,048)
2020	September	(507,879)	23.1330%	(15,357)	(117,488)	(390,391)	0.008333	(3,041)	(13,839)	0.76867	(18,003)
2020	October	(561,255)	23.1330%	(12,348)	(129,835)	(431,420)	0.008333	(3,424)	(17,263)	0.76867	(22,458)
2020	November	(610,187)	23.1330%	(11,319)	(141,155)	(469,032)	0.008333	(3,752)	(21,015)	0.76867	(27,339)
2020	December	(665,781)	23.1330%	(12,860)	(154,015)	(511,766)	0.008333	(4,087)	(25,101)	0.76867	(32,656)
								(25,101)			(32,656)
						(511,766)		(51,177)			(66,578)
											(99,234)

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Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Estimated Return Calculation -Non-Residential EE & DSDR Programs Vintage 2020

		Non-Residential EE Costs Incurred	Non-Residential DSDR 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
2020	January	2,348,269	725,122	3,073,391	2,230,636	100.0000%	(2,230,636)	673,267	100.0000%	(673,267)	(2,903,903)	169,488
2020	February	2,158,214	652,726	2,810,940	2,050,102	100.0000%	(2,050,102)	606,049	100.0000%	(606,049)	(2,656,150)	154,790
2020	March	2,036,676	600,593	2,637,269	1,934,652	100.0000%	(1,934,652)	557,643	100.0000%	(557,643)	(2,492,295)	144,974
2020	April	1,771,327	533,269	2,304,596	1,682,595	100.0000%	(1,682,595)	495,134	100.0000%	(495,134)	(2,177,729)	126,867
2020	May	1,559,791	509,047	2,068,838	1,481,656	100.0000%	(1,481,656)	472,644	100.0000%	(472,644)	(1,954,300)	114,538
2020	June	2,002,818	624,749	2,627,567	1,902,489	100.0000%	(1,902,489)	580,073	100.0000%	(580,073)	(2,482,562)	145,005
2020	July	2,541,549	752,233	3,293,782	2,414,233	100.0000%	(2,414,233)	698,440	100.0000%	(698,440)	(3,112,673)	181,109
2020	August	2,940,569	810,303	3,750,872	2,793,265	100.0000%	(2,793,265)	752,357	100.0000%	(752,357)	(3,545,622)	205,250
2020	September	2,951,396	766,632	3,718,029	2,803,550	100.0000%	(2,803,550)	711,809	100.0000%	(711,809)	(3,515,359)	202,669
2020	October	2,259,526	616,995	2,876,521	2,146,338	100.0000%	(2,146,338)	572,873	100.0000%	(572,873)	(2,719,211)	157,310
2020	November	1,838,645	564,600	2,403,245	1,746,540	100.0000%	(1,746,540)	524,225	100.0000%	(524,225)	(2,270,765)	132,480
2020	December	2,094,969	644,934	2,739,903	1,990,025	100.0000%	(1,990,025)	598,814	100.0000%	(598,814)	(2,588,838)	151,065
		26,503,750	7,801,205	34,304,955	25,176,081		(25,176,081)	7,243,328		(7,243,328)	(32,419,409)	1,885,546

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
			2020 tax rate				10.00%			0.76867	
2020	January	169,488	23.1330%	39,208	39,208	130,280	0.008333	543	543	0.76867	706
2020	February	324,278	23.1330%	35,808	75,015	249,263	0.008333	1,581	2,124	0.76867	2,764
2020	March	469,252	23.1330%	33,537	108,552	360,700	0.008333	2,542	4,666	0.76867	6,070
2020	April	596,119	23.1330%	29,348	137,900	458,219	0.008333	3,412	8,078	0.76867	10,509
2020	May	710,658	23.1330%	26,496	164,396	546,261	0.008333	4,185	12,263	0.76867	15,954
2020	June	855,663	23.1330%	33,544	197,941	657,723	0.008333	5,017	17,280	0.76867	22,480
2020	July	1,036,772	23.1330%	41,896	239,836	796,936	0.008333	6,061	23,341	0.76867	30,365
2020	August	1,242,022	23.1330%	47,480	287,317	954,705	0.008333	7,299	30,639	0.76867	39,860
2020	September	1,444,691	23.1330%	46,883	334,200	1,110,491	0.008333	8,605	39,244	0.76867	51,055
2020	October	1,602,002	23.1330%	36,391	370,591	1,231,411	0.008333	9,758	49,002	0.76867	63,750
2020	November	1,734,481	23.1330%	30,647	401,238	1,333,244	0.008333	10,686	59,688	0.76867	77,652
2020	December	1,885,546	23.1330%	34,946	436,183	1,449,363	0.008333	11,594	71,283	0.76867	92,735
								71,283			92,735
						1,449,363		144,936			188,555
											281,290

DEP program costs and undercollected in total, therefore the Company is calculating interest on the program cost piece of the balance.

DEP is undercollected on the DSDR program, therefore, interest is calculated on the total.

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

2,479

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
2020 Actual Revenues

Rate Period	DSM	DSDR	EE	Total
Residential	\$ 18,632,590	\$ 13,157,554	\$ 63,302,627	\$ 95,092,771
General Service	5,940,410	7,243,328	46,248,475	59,432,213
Lighting		277,433		277,433
Total	<u>\$ 24,573,000</u>	<u>\$ 20,678,315</u>	<u>\$ 109,551,102</u>	<u>\$ 154,802,417</u>
EMF				
Residential	\$ 216,468	\$ (6,052,506)	\$ (2,850,716)	\$ (8,686,754)
General Service	(1,128,182)	(3,200,205)	13,470,626	9,142,239
Lighting		(103,097)		(103,097)
Total	<u>\$ (911,714)</u>	<u>\$ (9,355,808)</u>	<u>\$ 10,619,910</u>	<u>\$ 352,388</u>

Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Allocation Factor For Year 2018
Allocation Factors from 2018 Filed Cost of Service Study

			MWh		
Line	Sales Allocator at Generation				
1	NC Retail MWh Sales Allocation	Company Records	38,153,842		
2	SC Retail MWh Sales Allocation	Company Records	6,438,789		
3	Total Retail	Line 1 + Line 2	44,592,631		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	85.5608674%		
Demand Allocators (kW)			NC	SC	Total
5	Residential	Company Records	3,699,632	487,425	4,187,058
6	Non Residential	Company Records	3,915,717	698,002	4,613,719
7	Total	Line 5 + Line 6	7,615,350	1,185,427	8,800,777
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	86.5304240%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	42.0375642%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	44.4928598%		
Allocation 4 NC res vs non-res Peak Demand					
11	NC Residential	Line 5 NC / Line 7 NC	48.5812530%		
12	NC Non-residential	Line 6 NC / Line 7 NC	51.4187470%		

NOTE: These allocation factors are used for Vintage 2018 based on the Cost of Service Study filed in April 2018.

Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Allocation Factor For Year 2019
Allocation Factors from 2019 Filed Cost of Service Study

			MWh		
Line	Sales Allocator at Generation				
1	NC Retail MWh Sales Allocation	Company Records	40,300,849		
2	SC Retail MWh Sales Allocation	Company Records	6,761,081		
3	Total Retail	Line 1 + Line 2	47,061,930		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	85.6336514%		
Demand Allocators (kW)			NC	SC	Total
5	Residential	Company Records	3,850,873	500,552	4,351,425
6	Non Residential	Company Records	3,913,139	691,398	4,604,537
7	Total	Line 5 + Line 6	7,764,011	1,191,950	8,955,962
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	86.6909847%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	42.9978695%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	43.6931152%		
Allocation 4 NC res vs non-res Peak Demand					
11	NC Residential	Line 5 NC / Line 7 NC	49.5990092%		
12	NC Non-residential	Line 6 NC / Line 7 NC	50.4009908%		

NOTE: These allocation factors are used for vintages 2019 based on the filed Cost of Service Study (April 2019).

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Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Allocation Factor For Year 2020
Allocation Factors from 2020 Filed Cost of Service Study

			MWh		
Line	Sales Allocator at Generation				
1	NC Retail MWh Sales Allocation	Company Records	37,938,229		
2	SC Retail MWh Sales Allocation	Company Records	6,302,325		
3	Total Retail	Line 1 + Line 2	44,240,554		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	85.7544161%		
Demand Allocators (kW)			NC	SC	Total
5	Residential	Company Records	3,632,210	478,603	4,110,813
6	Non Residential	Company Records	3,933,899	718,509	4,652,408
7	Total	Line 5 + Line 6	7,566,109	1,197,112	8,763,221
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	86.3393647%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	41.4483435%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	44.8910211%		
Allocation 4 NC res vs non-res Peak Demand					
11	NC Residential	Line 5 NC / Line 7 NC	48.0063105%		
12	NC Non-residential	Line 6 NC / Line 7 NC	51.9936895%		

NOTE: These allocation factors are used for vintages 2020-2021 based on the most recently filed Cost of Service Study (May 2020).

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Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Allocation Factor For Year 2021
Estimated Allocation Factor For Year 2022
Allocation Factors from 2021 Filed Cost of Service Study

		MWh
Line	Sales Allocator at Generation	
1	NC Retail MWh Sales Allocation	Company Records 36,168,412
2	SC Retail MWh Sales Allocation	Company Records 5,930,061
3	Total Retail	Line 1 + Line 2 42,098,473
Allocation 1 to state based on kWh sales		
4	NC Retail	Line 1 / Line 3 85.9138342%
Demand Allocators (kW)		
		NC SC Total
5	Residential	Company Records 3,877,909 495,826 4,373,734
6	Non Residential	Company Records 3,918,308 682,909 4,601,217
7	Total	Line 5 + Line 6 7,796,217 1,178,735 8,974,952
Allocation 2 to state based on peak demand		
8	NC Retail	Line 7, NC / Line 7 Total 86.8663950%
Allocation 3 NC res vs non-res Peak Demand to retail system peak		
9	NC Residential	Line 5 NC/ Line 7 Total 43.2081296%
10	NC Non-residential	Line 6 NC/ Line 7 Total 43.6582654%
Allocation 4 NC res vs non-res Peak Demand		
11	NC Residential	Line 5 NC / Line 7 NC 49.7409033%
12	NC Non-residential	Line 6 NC / Line 7 NC 50.2590967%

NOTE: These allocation factors are used for vintages 2021-2022 based on the most recently filed Cost of Service Study (May 2021).

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DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
Energy Allocation Factors - Applicable to EE Program Costs

North Carolina Rate Class Energy Allocation Factors

	Total NC Rate Class Sales (MWh) ⁽¹⁾	Opt-Out Sales ⁽²⁾	Adjusted NC Rate Class MWh Sales	Rate Class Energy Allocation Factor
	(1)	(2)	(3) = (1) - (2)	(4) = (3) / NC Total in Column 3
<u>Rate Class</u>				
Residential	16,576,122	-	16,576,122	62.52%
General Service	21,324,998	(11,746,852)	9,578,146	36.12%
Lighting	375,968	(15,120)	360,847	1.36%
NC Retail	38,277,088	(11,761,973)	26,515,115	100.00%

NOTES:

- (1) Total NC Rate Class Sales (MWh) are for the forecasted year ending December 2022.
(2) Opt-Out sales are provided in Listebarger Exhibit 6. Since sales are not forecasted by individual customer, historic opt-out sales are assumed to be unchanged during the rate recovery period.

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
Demand Allocation Factors - Applicable to DSM Programs

North Carolina Rate Class Demand Allocation Factors

Rate Class	Total NC Rate Class Sales ⁽¹⁾	Sales Subject to Opt-Out ⁽²⁾	Rate Class Demand ⁽³⁾	Revised Rate Class Demand	Rate Class Allocation Factor
	(1)	(2)	(3)	(4) = ((1 - 2) / 1) * 3	(5) = (4)/Total of Column 4
Residential	16,576,122	-	3,877,909	3,877,909	68.84%
General Service	21,324,998	(11,772,985)	3,918,308	1,755,111	31.16%
Lighting	375,968	(15,755)	0	0	0.00%
NC Retail	38,277,088	(11,788,741)	7,796,217	5,633,019	100.00%

NOTES:

- (1) Total NC Rate Class Sales (MWh) are for the forecasted year ended December 2022.
 (2) Opt-Out sales are provided in Listebarger Exhibit 6. Since sales are not forecasted by individual customer, historic opt-out sales are assumed to be unchanged during the rate recovery period.
 (3) The Coincident Peak ("CP") demands are based on the 2020 CP occurring on July 17 during the hour ended at 1600 EDT.

DUKE ENERGY PROGRESS, LLC
Docket No. E-2, Sub 1273
Determination of Lighting Allocation Factors

January through December 2020

		Bulb %s		Allocation Factors	
1	Residential	81.70%	<i>Per M&V</i>	89.19%	<i>Lines 1 / (1 + 2)</i>
2	General Service	9.90%	<i>Per M&V</i>	10.81%	<i>Lines 2 / (1 + 2)</i>
3	Leakage	8.40%	<i>Per M&V</i>	0.00%	-NA-
4	Totals	100.00%	Σ <i>Lines 1 thru 3</i>	100.00%	Σ <i>Lines 1 thru 3</i>

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Duke Energy Progress, LLC
Docket No. E-2, Sub 1273
Forecasted 2022 kWh Sales

Spring 2022 Sales Forecast - kWh		Total 2022		
North Carolina Retail:				
Line				
1	Residential	16,576,122,049		
2	Non-Residential	21,324,997,788		
3	Lighting	375,967,831		
4	Total Retail	<u><u>38,277,087,668</u></u>		
Non-Residential		Gross kWh	Opt-outs	Net kWh
5	Energy Efficiency	21,324,997,788	(11,746,852,167)	9,578,145,621
6	DSM	21,324,997,788	(11,772,985,490)	9,552,012,298
7	Lighting - EE	375,967,831	(15,120,388)	360,847,443
8	Lighting - DSM	375,967,831	(15,755,311)	360,212,520

¹ Actual Opt-Out volumes for the twelve-months ending December 31, 2020.