

Duke Energy Progress
Evans Exhibit 1
Vintage 2018 True Up - January 1, 2018 to December 31, 2018
Docket Number E-2, Sub 1273
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H			
				=(A-B)*C	= (B+D)			=O (from page 2)			
Residential Programs	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	
EE Programs											
1 Appliance Recycling Program	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.5608674%	E1 * F1	\$ -	\$ -
2 Energy Efficiency Education Program	766	2,563,019	\$ 1,261,493	\$ 676,815	0.00%	\$ -	\$ 676,815	85.5608674%	E2 * F2	\$ 579,089	\$ -
3 Energy Efficient Lighting	4,227	25,642,842	\$ 25,967,772	\$ 8,752,062	11.75%	\$ 2,022,846	\$ 10,774,908	85.5608674%	E3 * F3	\$ 9,219,104	\$ (10,718)
4 Residential Smart \$aver®	1,805	7,228,648	\$ 6,300,631	\$ 7,168,833	11.75%	\$ (102,014)	\$ 7,066,819	85.5608674%	E4 * F4	\$ 6,046,432	\$ (186)
5 Multi-Family Energy Efficiency Program	1,802	13,834,972	\$ 8,510,661	\$ 2,409,743	11.75%	\$ 716,858	\$ 3,126,601	85.5608674%	E5 * F5	\$ 2,675,147	\$ (8,395)
6 Multi-Family PipeWrap EMV Adjustment						\$ (103,989)	\$ (103,989)	100.0000000%	E6 * F6	\$ (103,989)	\$ -
7 Neighborhood Energy Saver	486	3,538,968	\$ 1,682,598	\$ 1,845,739	0.00%	\$ -	\$ 1,845,739	85.5608674%	E7 * F7	\$ 1,579,230	\$ -
8 Residential Energy Assessments	935	7,751,895	\$ 5,373,630	\$ 1,851,965	11.75%	\$ 413,796	\$ 2,265,760	85.5608674%	E8 * F8	\$ 1,938,604	\$ (295)
9 Residential New Construction	5,440	14,263,235	\$ 22,773,890	\$ 13,189,949	11.75%	\$ 1,126,113	\$ 14,316,062	85.5608674%	E9 * F9	\$ 12,248,947	\$ (654)
10 Energy Efficient Appliances and Devices	5,058	15,252,311	\$ 10,207,890	\$ 825,279	11.75%	\$ 1,102,457	\$ 1,927,736	85.5608674%	E10 * F10	\$ 1,649,387	\$ (499)
11 Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.5608674%	E11 * F11	\$ -	\$ -
12 Total for Residential Conservation Programs	20,517	90,075,889	82,078,566	36,720,384		\$ 5,176,067	\$ 41,896,450			\$ 35,831,951	\$ (20,747)
13 My Home Energy Report	57,430	164,066,050	\$ 9,855,291	\$ 7,687,891	11.75%	\$ 254,670	\$ 7,942,560	85.5608674%	E13*F13	\$ 6,795,724	\$ (1,908)
14 Total Residential Conservation and Behavioral Programs	77,947	254,141,939	\$ 91,933,857	\$ 44,408,274		\$ 5,430,736	\$ 49,839,011			\$ 42,627,675	\$ (22,655)
								NC Residential Peak Demand Allocation Factor	NC Allocation Factor (2)		
15 EnergyWise Home	29,483	-	\$ 55,969,845	\$ 5,817,271	11.75%	\$ 5,892,927	\$ 11,710,199	86.5304240%	48.5812530%	\$ 6,210,393	\$ 769
16 Total Residential	107,430	254,141,939	\$ 147,903,702	\$ 50,225,546		\$ 11,323,664	\$ 61,549,209			\$ 48,838,068	\$ (21,886)
Non-Residential Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor		NC Non-Residential Unadjusted Revenue Requirement ⁽²⁾	NC Non-Residential Adjusted Revenue Requirement
EE Programs											
17 Energy Efficient Lighting	1,753	6,759,940	\$ 7,800,687	\$ 1,063,434	11.75%	\$ 791,627	\$ 1,855,061	85.5608674%	E17 * F17	\$ 1,587,207	\$ 8,916
18 Smart \$aver® Non Residential Prescriptive	14,760	84,980,392	\$ 65,320,575	\$ 11,515,913	11.75%	\$ 6,322,048	\$ 17,837,961	85.5608674%	E18 * F18	\$ 15,262,314	\$ (5,434)
19 Smart Saver® Non-Residential - Custom	1,883	11,901,442	\$ 8,907,939	\$ 2,174,163	11.75%	\$ 791,219	\$ 2,965,382	85.5608674%	E19 * F19	\$ 2,537,207	\$ (734)
20 Smart \$aver(R) Non Residential Performance Incentive Programs	129	1,519,117	\$ 810,508	\$ 201,559	11.75%	\$ 71,551	\$ 273,111	85.5608674%	E20 * F20	\$ 233,676	\$ (70)
21 Small Business Energy Saver	6,667	40,298,466	\$ 22,343,579	\$ 8,858,213	11.75%	\$ 1,584,530	\$ 10,442,743	85.5608674%	E21 * F21	\$ 8,934,902	\$ (1,858)
22 Total for Non-Residential Conservation Programs	25,192	145,459,357	\$ 105,183,287	\$ 23,813,283		\$ 9,560,976	\$ 33,374,258			\$ 28,555,306	\$ 821
23 EnergyWise for Business	2,661	39,728	\$ 151,899	\$ 2,108,030	11.75%	\$ (229,845)	\$ 1,878,185	86.5304240%	E23 * F23	\$ 4,030,227	\$ (71,380)
24 Commercial, Industrial, & Governmental Demand Response	1,629	-	\$ 1,413,457	\$ 1,154,642	11.75%	\$ 30,411	\$ 1,185,053	86.5304240%	E24 * F24	\$ 2,542,897	\$ 29,258
25 Total for Non-Residential DSM Programs	4,290	39,728	\$ 1,565,356	\$ 3,262,672		\$ (199,435)	\$ 3,063,237	86.5304240%	NC Allocation Factor (2)	\$ 6,573,124	\$ (42,122)
									51.4187470%		
26 Total Non Residential	29,482	145,499,085	\$ 106,748,643	\$ 27,075,954		\$ 9,361,541	\$ 36,437,495			\$ 35,128,430	\$ (41,302)
27 Total All Programs	136,912	399,641,024	\$ 254,652,345	\$ 77,301,500		\$ 20,685,205	\$ 97,986,705		6,573,124.09 0.613137155	\$ 83,966,498	\$ (63,187)
(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) Multi-Family PipeWrap EMV Adjustment includes (\$196,164) applied to line 5 as part of EMV application to the 2018 vintage year, of which (\$43,806) is Lost Revenue and (\$152,357) is Incentive. The remaining (\$103,989) is reflected in line 6 for a total of (\$300,153).											
28 DSDR	277,039	48,056,048		\$ 12,886,517			\$ 12,886,517				
29 Total with DSDR	413,951	447,697,073	\$ 254,652,345	\$ 90,188,017		\$ 20,685,205	\$ 110,873,221			\$ 83,966,498	\$ (63,187)

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	A	B	C	D =(A-B)*C	E =(B+D)	F	G	H =O (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%	\$ -	\$ -	85.634%	E1 * F1	\$ -	
2 Energy Efficient Appliances and Devices	4,672	19,589,304	10,419,429	\$ 2,160,799	11.75%	\$ 970,389	\$ 3,131,188	85.634%	E2 * F2	\$ 10,702	
3 Energy Efficiency Education Program	392	3,283,839	1,039,694	\$ 747,483	0.00%	\$ -	\$ 747,483	85.634%	E3 * F3	\$ -	
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	\$ 0	
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	\$ (0)	
6 Weatherization Pilot	25	130,071	75,533	\$ 27,356	0.00%	\$ -	\$ 27,356	85.634%	E6 * F6	\$ -	
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	\$ 4,011	
8 Neighborhood Energy Saver	493	3,699,023	1,438,897	\$ 1,671,298	0.00%	\$ -	\$ 1,671,298	85.634%	E8 * F8	\$ -	
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	\$ -	
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 ¹ F11	\$ -	
11 Residential Home Advantage	-	-	-	\$ -	11.75%	\$ -	\$ -	85.634%	E11 * F11	\$ -	
12 Total for Residential Conservation Programs	20,131	102,834,686	75,176,065	\$ 42,396,623		\$ 3,838,896	\$ 46,235,519		\$ 39,593,163	\$ 14,713	
13 My Home Energy Report	54,248	154,602,240	11,676,738	\$ 6,299,307	11.75%	\$ 631,848	\$ 6,931,155	85.634%	E13 ¹ F13	\$ -	
14 Total Residential Conservation and Behavioral Programs	74,380	257,436,926	\$ 86,852,803	\$ 48,695,930		\$ 4,470,744	\$ 53,166,674		\$ 45,528,564	\$ 14,713	
								NC Residential Peak Demand Allocation Factor	NC Allocation n Factor		
15 EnergyWise Home	28,993	-	53,221,850	\$ 5,806,874	11.75%	\$ 5,571,260	\$ 11,378,134	86.691%	49.60%	\$ 6,763,929	\$ -
16 Total Residential	103,372	257,436,926	\$ 140,074,653	\$ 54,502,804		\$ 10,042,004	\$ 64,544,808		\$ 52,292,493	\$ 14,713	
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)	
18 Smart Saver® Non Residential Prescriptive	9,068	49,683,398	31,482,596	\$ 7,877,838	11.75%	\$ 2,773,559	\$ 10,651,397	85.634%	E18 * F18	\$ 130,132	
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	\$ -	
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	\$ -	
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	\$ (56,539)	
22 Total for Non-Residential Conservation Programs	20,905	109,379,475	\$ 67,551,229	\$ 19,676,634		\$ 5,625,265	\$ 25,301,899		\$ 21,666,938	\$ 73,592	
23 EnergyWise for Business	4,982	1,057,989	923,654	\$ 2,412,880	11.75%	\$ (174,984)	\$ 2,237,896	86.691%		\$ (39,031)	
24 Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EI	2,567	-	4,394,068	\$ 1,811,347	11.75%	\$ 303,470	\$ 2,114,817	86.691%		\$ -	
25 Total for Non-Residential DSM Programs	7,549	1,057,989	\$ 5,317,723	\$ 4,224,227		\$ 128,486	\$ 4,352,712	86.691%	NC Allocation 50.40%	\$ (39,031)	
26 Total Non Residential	28,454	110,437,464	\$ 72,868,951	\$ 23,900,860		\$ 5,753,751	\$ 29,654,611		\$ 28,540,235	\$ 34,561	
27 Total All Programs	131,826	367,874,390	\$ 212,943,604	\$ 78,403,665		\$ 15,795,754	\$ 94,199,419		\$ 80,832,727	\$ 49,274	
(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	466,023	405,958,050	\$ 212,943,604	\$ 96,708,846		\$ 15,795,754	\$ 112,504,601		\$ 80,832,727	\$ 49,274	

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	A	B	C	D =(A-B)*C	E =(B+D)	F	G	H =K (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	\$ -	\$ 91,207
2 Energy Efficient Appliances and Devices	2,049	18,783,681	\$ 8,646,551	\$ 3,051,854	11.75%	\$ 657,377	\$ 3,709,231	85.754%	E2 * F2	\$ 3,180,829	\$ 1,283,005
3 Energy Efficiency Education Program	174	1,455,424	\$ 456,210	\$ 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	\$ 4,249,585
5 Residential Smart Saver®	1,925	6,893,070	\$ 5,453,175	\$ 6,517,089	11.75%	\$ (125,010)	\$ 6,392,079	85.754%	E5 * F5	\$ 5,481,490	\$ 227,693
6 Weatherization Pilot	21	107,608	\$ 61,168	\$ 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	\$ 538,755
8 Neighborhood Energy Saver	67	505,268	\$ 196,865	\$ 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	\$ 358,285
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	\$ 704,807
11 Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.754%	E11 * F11	\$ -	\$ 140,907
12 Total for Residential Conservation Programs	13,945	76,663,769	\$ 58,502,824	\$ 37,709,204		\$ 2,458,108	\$ 40,167,312			\$ 34,445,242	\$ 7,594,245
13 My Home Energy Report	54,395	154,961,344	\$ 10,897,311	\$ 7,369,336	11.75%	\$ 414,537	\$ 7,783,873	85.754%	E13*F13	\$ 6,675,015	\$ 355,484
14 Total Residential Conservation and Behavioral Programs	68,340	231,625,113	\$ 69,400,134	\$ 45,078,540		\$ 2,872,645	\$ 47,951,185			\$ 41,120,257	\$ 7,949,729
								NC Residential Peak Demand Allocation Factor	NC Allocatio n Factor		
15 Power Manager	17,810	-	\$ 8,817,400	\$ 1,110,200	11.75%	\$ 905,596	\$ 2,015,796	86.339%	48.01%	\$ 2,201,887	\$ 5,276,333
16 Total Residential	86,150	231,625,113	\$ 78,217,534	\$ 46,188,741		\$ 3,778,241	\$ 49,966,981			\$ 43,322,144	\$ 13,226,062
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Vintage 2020 True Up - January 1, 2020 to December 31, 2020

Residential Programs		NC Incentive	Rate	Local Incentive	Rate	Period	PPI	Factor	Adjusted PPI	Program PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	Period
EE Programs																											
1	Appliance Recycling Program	\$ -	23.17%	\$ -	\$ -	6.64%	10	\$ -	76.83%	\$ -	\$ 91,207	\$ -	\$ -	\$ -	\$ 20,592	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 3,011	\$ (79)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 91,207
2	Appliances and Devices	\$ 563,730	23.17%	\$ (130,612)	\$ 433,118	6.64%	5	\$ 104,622	76.83%	\$ 136,172	\$ 1,146,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,973	\$ 396,792	\$ 228,341	\$ -	\$ -	\$ 200,727	\$ 1,283,005
3	Energy Education Program for Schools	\$ -	23.17%	\$ -	\$ -	6.64%	N/A	\$ -	76.83%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Energy Efficient Lighting	\$ 1,009,971	23.17%	\$ (234,003)	\$ 755,968	6.64%	5	\$ 187,439	76.83%	\$ 243,963	\$ 4,005,622	\$ -	\$ -	\$ -	\$ 309,670	\$ 621,854	\$ 636,857	\$ 397,825	\$ 332,048	\$ 448,586	\$ 473,444	\$ 418,973	\$ 366,366	\$ -	\$ -	\$ 4,249,585	
5	Residential Service – Smart Saver	\$ (107,201)	23.17%	\$ 24,838	\$ (82,364)	6.64%	10	\$ (11,533)	76.83%	\$ (15,011)	\$ 242,704	\$ -	\$ -	\$ -	\$ 116,481	\$ 108,864	\$ 0	\$ 16,467	\$ 24,334	\$ 13,823	\$ (12,608)	\$ (14,011)	\$ -	\$ -	\$ -	\$ 227,693	
6	Low Income Weatherization Pilot	\$ -	23.17%	\$ -	\$ -	6.64%	5	\$ -	76.83%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	Multi-Family Energy Efficiency Program	\$ 50,078	23.17%	\$ (11,603)	\$ 38,475	6.64%	5	\$ 9,294	76.83%	\$ 12,097	\$ 526,658	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 124,282	\$ 186,211	\$ -	\$ 123,303	\$ -	\$ -	\$ 92,863	\$ 538,755
8	Neighborhood Energy Saver	\$ -	23.17%	\$ -	\$ -	6.64%	N/A	\$ -	76.83%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9	Residential Energy Assessments	\$ 190,409	23.17%	\$ (44,116)	\$ 146,292	6.64%	5	\$ 35,338	76.83%	\$ 45,994	\$ 312,291	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83,543	\$ 88,834	\$ 85,706	\$ 54,208	\$ -	\$ -	\$ 358,285	
10	Residential New Construction	\$ 400,950	23.17%	\$ (92,897)	\$ 308,053	6.64%	10	\$ 43,136	76.83%	\$ 56,144	\$ 648,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 139,487	\$ 138,767	\$ 135,421	\$ 60,340	\$ -	\$ -	\$ 704,807	
11	Residential Home Advantage	\$ -	23.17%	\$ -	\$ -	6.64%	10	\$ -	76.83%	\$ -	\$ 140,907	\$ -	\$ -	\$ -	\$ -	\$ 79,940	\$ 60,450	\$ 517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,907	
12	Total for Residential Conservation Programs	\$ 2,107,936		\$ (488,394)	\$ 1,619,542			\$ 368,295	\$ 479,359	\$ 7,114,886	\$ -	\$ -	\$ -	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 433,132	\$ 1,133,704	\$ 1,274,803	\$ 979,475	\$ 760,493	\$ -	\$ -	\$ 7,594,245		
13	My Home Energy Report	\$ 355,484	23.17%	\$ (82,363)	\$ 273,121	6.64%	1	\$ 273,121	76.83%	\$ 355,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 355,484
14	Total Home Conservation and Behavioral Programs	\$ 2,463,420		\$ (750,757)	\$ 1,892,663			\$ 641,415	\$ 834,843	\$ 7,114,886	\$ -	\$ -	\$ -	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 433,132	\$ 1,133,704	\$ 1,274,803	\$ 979,475	\$ 760,493	\$ -	\$ -	\$ 7,949,729		
15	EnergyWise	\$ 781,886	23.17%	\$ (181,157)	\$ 600,728	6.64%	10	\$ 84,119	76.83%	\$ 109,486	\$ 5,166,848	\$ -	\$ -	\$ -	\$ 781,456	\$ 347,959	\$ 301,384	\$ 369,532	\$ 265,373	\$ -	\$ 796,851	\$ 716,684	\$ 676,304	\$ -	\$ -	\$ 5,276,333	
16	Total Residential	\$ 3,245,305		\$ (751,051)	\$ 2,494,391			\$ 725,534	\$ 944,328	\$ 12,281,734	\$ -	\$ -	\$ -	\$ 1,308,140	\$ 1,177,773	\$ 1,003,450	\$ 844,237	\$ 698,504	\$ 2,045,018	\$ 2,071,654	\$ 1,696,160	\$ 1,436,797	\$ -	\$ -	\$ 13,226,062		

	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total PPI	Discount Rate	PPI Amortisation Period	Vintage Year PPI	Income Tax Gross-Up Factor	Adjusted PPI	1 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	PPI Values for Test Period	
Non-Residential Programs																							
EE Programs																							
17 Energy Efficient Lighting	\$ 410,476	23.17%	\$ (95,104)	\$ 315,372	6.64%	3	\$ 76,180	76.83%	\$ 99,153	\$ 1,410,213	\$ -	\$ -	\$ -	\$ 74,572	\$ 153,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ 218,730	\$ 191,685	\$ 163,962	\$ 167,570	\$ 1,509,366
18 Non-Residential Smart Saver Prescriptive	\$ 2,081,067	23.17%	\$ (482,176)	\$ 1,598,891	6.64%	3	\$ 605,278	76.83%	\$ 787,807	\$ 5,808,931	\$ -	\$ -	\$ -	\$ 649,907	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ -	\$ -	\$ 2,009,949	\$ 899,116	\$ 6,596,718
19 Non-Residential Smart Saver Customer	\$ 601,164	23.17%	\$ (139,285)	\$ 461,879	6.64%	3	\$ 174,648	76.83%	\$ 227,576	\$ 518,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 256,650	\$ 262,127	\$ 746,352
20 Non-Res SmartSaver Performance	\$ 86,011	23.17%	\$ (20,068)	\$ 66,083	6.64%	3	\$ 25,016	76.83%	\$ 32,560	\$ 36,128	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,209	\$ 12,918	\$ 68,688
21 Small Business Saver Energy	\$ 587,678	23.17%	\$ (136,161)	\$ 451,517	6.64%	3	\$ 170,928	76.83%	\$ 222,471	\$ 1,439,853	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ -	\$ -	\$ 513,978	\$ 386,792	\$ 1,662,323
22 Total for Non-Residential Conservation Programs	\$ 3,766,396	-	\$ (872,648)	\$ 2,893,748	-	-	\$ 1,652,248	-	\$ 3,360,556	\$ 9,213,901	\$ -	\$ -	\$ -	\$ 724,479	\$ 875,773	\$ 931,159	\$ 772,384	\$ 762,661	\$ 218,730	\$ 191,685	\$ 3,008,408	\$ 1,728,523	\$ 10,583,467
23 EnergyWise for Business	\$ (122,803)	23.17%	\$ 28,463	\$ (94,350)	6.64%	1	\$ (94,350)	76.83%	\$ (122,803)	\$ 194,805	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (122,803)
24 Commercial, Industrial, & Governmental Demand Res.	\$ 163,506	23.17%	\$ (37,883)	\$ 125,623	6.64%	3	\$ 47,856	76.83%	\$ 61,802	\$ 194,805	\$ -	\$ -	\$ -	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ -	\$ 9,976	\$ 99,592	\$ 256,718
25 Total for Non-Residential DSM Programs	\$ 40,703	-	\$ (9,431)	\$ 31,272	-	-	\$ (46,795)	-	\$ (60,906)	\$ 194,805	\$ -	\$ -	\$ -	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ -	\$ 9,976	\$ 99,592	\$ 133,899
26 Total Non Residential	\$ 3,807,099	-	\$ (882,078)	\$ 2,925,021	-	-	\$ 1,005,453	-	\$ 3,308,660	\$ 9,408,706	\$ -	\$ -	\$ -	\$ 742,134	\$ 904,088	\$ 940,873	\$ 797,533	\$ 767,075	\$ 218,730	\$ 191,685	\$ 3,018,474	\$ 1,828,114	\$ 10,717,366
27 Total All Programs	\$ 7,052,405	-	\$ (1,633,993)	\$ 5,418,412	-	-	\$ 2,252,989	-	\$ 2,252,989	\$ 21,690,439	\$ -	\$ -	\$ -	\$ 2,060,273	\$ 2,081,861	\$ 1,944,323	\$ 1,641,770	\$ 1,465,580	\$ 2,263,748	\$ 2,263,339	\$ 3,714,633	\$ 3,264,912	\$ 23,843,428

(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
Evans Exhibit 1
Vintage 2022 Estimate - January 1, 2022 to December 31, 2022
Docket No. E-2, Sub 1273
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H	I			
				=(A-B)*C	= (B+D)				=K (from page 2)			
Residential Programs	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	
	EE Programs											
	1 Energy Efficient Appliances and Devices	2,721	3,614	34,103,786	\$ 13,976,572	\$ 5,440,134	10.60%	\$ 904,862	\$ 6,344,996	85.9138342%	E1 * F1 \$ 5,451,229	\$ 1,030,914
	2 Appliance Recycling Program	-	-	-	-	-	10.60%	\$ -	\$ -	85.9138342%	E2 * F2 \$ -	\$ 31,968
	3 Energy Efficiency Education Program	690	1,076	5,777,606	1,850,249	1,369,049	10.60%	\$ 196,126	\$ 1,565,175	85.9138342%	E3 * F3 \$ 1,344,702	\$ 168,500
	4 Energy Efficient Lighting	2,603	1,159	15,793,393	9,761,285	5,499,808	10.60%	\$ 451,717	\$ 5,951,525	85.9138342%	E4 * F4 \$ 5,113,183	\$ 2,546,988
	5 Residential Smart Saver®	1,475	572	5,747,317	3,338,996	3,563,126	10.60%	\$ (23,758)	\$ 3,539,368	85.9138342%	E5 * F5 \$ 3,040,807	\$ (33,910)
	6 Weatherization Pilot	27	31	159,960	85,792	89,917	10.60%	\$ 2,382,661	\$ 89,917	85.9138342%	E6 * F6 \$ 77,251	\$ -
	7 Multi-Family Energy Efficiency Program	1,389	1,802	10,550,408	4,982,779	2,074,370	10.60%	\$ 308,291	\$ 2,382,661	85.9138342%	E7 * F7 \$ 2,047,036	\$ 394,652
	8 Neighborhood Energy Saver	1,018	877	4,699,288	2,590,613	3,306,653	10.60%	\$ 274,605	\$ 3,581,258	85.9138342%	E8 * F8 \$ 3,076,796	\$ 235,924
9 Residential Energy Assessments	1,826	1,421	15,281,862	7,838,136	3,696,823	10.60%	\$ 438,979	\$ 4,135,802	85.9138342%	E9 * F9 \$ 3,553,226	\$ 364,347	
10 Residential New Construction	5,191	5,967	17,933,111	20,458,026	16,382,458	10.60%	\$ 432,010	\$ 16,814,468	85.9138342%	E10 * F10 \$ 14,445,954	\$ 809,645	
11 Save Energy and Water Kit	-	-	-	-	-	10.60%	\$ -	\$ -	85.9138342%	E10 * F10 \$ -	\$ -	
12 Residential Home Advantage	-	-	-	-	-	10.60%	\$ -	\$ -	85.9138342%	E11 * F11 \$ -	\$ 517	
13 Total for Residential Conservation Programs	16,940	16,519	110,046,730	64,882,448	41,422,338		2,982,833	44,405,171		\$ 38,150,184	\$ 5,549,545	
14 My Home Energy Report	54,936	50,914	157,153,012	10,729,556	7,073,989	10.60%	\$ 387,490	\$ 7,461,479	85.9138342%	E12 * F12 \$ 6,410,443	\$ 332,908	
15 Total Residential Conservation and Behavioral Programs	71,876	67,433	267,199,742	\$ 75,612,004	\$ 48,496,327		\$ 3,370,323	\$ 51,866,651		\$ 44,560,627	\$ 5,882,452	
NC Residential Peak Demand Allocation Factor												
16 Power Manager	23,138	8,091	-	4,145,545	3,054,545	10.60%	\$ 115,646	\$ 3,170,191	86.8663950%	49.74% (E13+E23) *F13 *G13	\$ 3,710,047	\$ 4,252,220
17 Total Residential	95,015	75,524	267,199,742	\$ 79,757,549	\$ 51,550,872		\$ 3,485,969	\$ 55,036,841		\$ 48,270,674	\$ 10,134,673	
NC Non-Residential												
	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⁾	Adjusted Revenue Requirement	
18 Energy Efficient Lighting	1,078	236	4,158,893	2,653,112	666,587	10.60%	\$ 210,572	\$ 877,159	85.9138342%	E15 * F15 \$ 753,601	\$ 943,798	
19 Smart Saver® Non-Residential - Custom	2,925	2,925	20,862,620	10,548,581	5,061,855	10.60%	\$ 581,593	\$ 5,643,448	85.9138342%	E16 * F16 \$ 4,848,503	\$ 640,148	
20 Smart Saver® Non Residential Prescriptive	12,751	12,236	70,901,100	39,447,957	14,014,784	10.60%	\$ 2,695,916	\$ 16,710,700	85.9138342%	E17 * F17 \$ 14,356,803	\$ 4,174,035	
21 Smart Saver(R) Non Residential Performance Incentive Program	290	290	2,544,145	1,123,866	442,995	10.60%	\$ 72,172	\$ 515,168	85.9138342%	E18 * F18 \$ 442,600	\$ 96,968	
22 Small Business Energy Saver	10,523	7,606	52,365,662	25,640,082	11,358,395	10.60%	\$ 1,513,859	\$ 12,872,254	85.9138342%	E19 * F19 \$ 11,059,047	\$ 1,519,614	
23 Total for Non-Residential Conservation Programs	27,568	23,295	150,832,421	\$ 79,413,599	\$ 31,544,617		\$ 5,074,112	\$ 36,618,729		\$ 31,460,554	\$ 7,374,563	
NC Non-Residential Peak Demand Allocation Factor												
24 EnergyWise for Business	7,934	483	-	804,045	3,198,425	10.60%	\$ (253,804)	\$ 2,944,621		\$ 2,038,027	\$ (220,471)	
25 Commercial, Industrial, Governmental DR	3,153	1,766	-	4,671,542	2,210,806	10.60%	\$ 260,838	\$ 2,471,644		\$ 1,710,671	\$ 263,724	
26 Total for Non-Residential DSM Programs	11,087	2,249	-	\$ 5,475,587	\$ 5,409,231		\$ 7,034	\$ 5,416,265	86.8663950%	50.26% (E13+E23) *F23 *G23	\$ 3,748,698	\$ 43,253
27 Total Non Residential	38,655	25,544	150,832,421	\$ 84,889,185	\$ 36,953,848		\$ 5,081,146	\$ 42,034,994		\$ 35,209,252	\$ 7,417,816	
28 Total All Programs	133,670	101,068	418,032,163	\$ 164,646,734	\$ 88,504,720		\$ 8,567,115	\$ 97,071,835		\$ 83,479,925	\$ 17,552,489	
DSDR												
	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 DSDR Unadjusted Revenue Requirement ⁽¹⁾	NC DSDR Adjusted Revenue Requirement	
1 DSDR	281,340	261,646	44,325,569		\$ 16,984,169	N/A	\$ -	\$ 16,984,169		\$ -	\$ -	
Total All Programs with DSDR	415,009	362,714	462,357,732	\$ 164,646,734	\$ 105,488,889		\$ 8,567,115	\$ 114,056,004		\$ 83,479,925	\$ 17,552,489	

(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 89,984 kW systemwide in 2021.

PPI Margin 9.7%

Duke Energy Progress
Evans Exhibit 1
Vintage 2022 Estimate - January 1, 2022 to December 31, 2022
Docket No. E-2, Sub 1273
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)	=1-B																=H)
	Income Tax	Income Taxes	Net-of-Tax PPI -	Discount	PPI	Vintage Year	Income Tax		I Prior Period	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Vintage 2017	Vintage 2018	Vintage 2019	Vintage 2020	Vintage 2021	PPI Values for	
	NC Incentive	Rate	Total NPV	Rate	Amortizati	2021 - Year 1	Gross-Up		PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	Test Period	
					on Period	PPI	Factor		Adjusted PPI															
Residential Programs																								
EE Programs																								
1 Appliances and Devices	\$ 777,402	23.13%	\$ (179,836)	\$ 597,566	6.48%	5	\$ 143,735	76.87%	\$ 186,991	\$ 843,923	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 228,341	\$ 200,727	\$ 136,172	\$ 278,683	\$ 1,030,914	
2 Appliance Recycling Program	\$ -	23.13%	\$ -	\$ -	6.48%	10	\$ -	76.87%	\$ -	\$ 31,968	\$ -	\$ -	\$ -	\$ 17,038	\$ 7,505	\$ 4,492	\$ 3,011	\$ (79)	\$ -	\$ -	\$ -	\$ -	\$ 31,968	
3 Energy Education Program for Schools	\$ 168,500	23.13%	\$ (38,979)	\$ 129,521	6.48%	1	\$ 129,521	76.87%	\$ 168,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 168,500	
4 Energy Efficient Lighting	\$ 388,087	23.13%	\$ (89,776)	\$ 298,311	6.48%	5	\$ 71,754	76.87%	\$ 93,348	\$ 2,453,640	\$ -	\$ -	\$ -	\$ 636,857	\$ 397,825	\$ 332,048	\$ -	\$ -	\$ 418,973	\$ 366,366	\$ 243,963	\$ 57,607	\$ 2,546,988	
5 Residential Service – Smart Saver	\$ (20,411)	23.13%	\$ 4,722	\$ (15,690)	6.48%	10	\$ (2,181)	76.87%	\$ (2,837)	\$ (31,072)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,647	\$ 24,334	\$ 13,823	\$ (9,166)	\$ (12,268)	\$ (14,011)	\$ (15,011)	\$ (33,420)	
6 Weatherization Pilot	\$ -	23.13%	\$ -	\$ -	6.48%	N/A	\$ -	76.87%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7 Multi-Family	\$ 264,865	23.13%	\$ (61,271)	\$ 203,594	6.48%	5	\$ 48,971	76.87%	\$ 63,709	\$ 330,943	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123,303	\$ 92,863	\$ 12,097	\$ 102,682	\$ 394,652	
8 Neighborhood Energy Saver	\$ 235,924	23.13%	\$ (54,576)	\$ 181,347	6.48%	1	\$ 181,347	76.87%	\$ 235,924	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 235,924	
9 Residential Energy Assessments	\$ 377,144	23.13%	\$ (87,245)	\$ 289,899	6.48%	5	\$ 69,730	76.87%	\$ 90,716	\$ 273,631	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,706	\$ 54,208	\$ 45,994	\$ 87,723	\$ 364,347	
10 Residential New Construction	\$ 371,157	23.13%	\$ (85,860)	\$ 285,297	6.48%	10	\$ 39,657	76.87%	\$ 51,592	\$ 758,053	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 139,487	\$ 138,767	\$ 135,421	\$ 60,340	\$ 56,144	\$ 53,246	\$ 809,645	
11 Save Energy and Water Kit	\$ -	23.13%	\$ -	\$ -	6.48%	5	\$ -	76.87%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
12 Residential Home Advantage	\$ -	23.13%	\$ -	\$ -	6.48%	10	\$ -	76.87%	\$ -	\$ 517	\$ -	\$ -	\$ -	\$ 517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 517	
13 Total for Residential Conservation Prog	2,562,666		(592,822)	1,969,845			682,534		887,942	4,661,603	-	-	-	702,066	474,715	433,132	156,321	129,522	979,475	760,493	479,359	546,520	5,549,545	
14 My Home Energy Report	\$ 332,908	23.13%	\$ (77,012)	\$ 255,896	6.48%	1	\$ 255,896	76.87%	\$ 332,908	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 332,908	
15 Total Residential Conservation and Beh	2,895,574		(669,833)	2,225,741			938,430		1,220,849	4,661,603	-	-	-	702,066	474,715	433,132	156,321	129,522	979,475	760,493	479,359	546,520	5,882,452	
16 EnergyWise® Home	\$ 100,458	23.13%	\$ (23,239)	\$ 77,219	6.48%	10	\$ 10,734	76.87%	\$ 13,964	\$ 4,238,256	\$ -	\$ -	\$ -	\$ 301,384	\$ 369,522	\$ 265,373	\$ 911,314	\$ 796,851	\$ 716,684	\$ 676,304	\$ 109,486	\$ 91,338	\$ 4,252,220	
17 Total Residential	2,996,032		(693,072)	2,302,960			949,164		1,234,813	8,899,859	-	-	-	1,003,450	844,237	698,504	1,067,635	926,373	1,696,160	1,436,797	588,845	637,859	10,134,673	
Non-Residential Programs																								
EE Programs																								
18 Energy Efficient Lighting	\$ 180,910	23.13%	\$ (41,850)	\$ 139,060	6.48%	5	\$ 33,449	76.87%	\$ 43,515	\$ 900,283	\$ -	\$ -	\$ -	\$ 171,971	\$ 116,186	\$ 152,430	\$ -	\$ -	\$ 163,962	\$ 167,570	\$ 99,153	\$ 29,011	\$ 943,798	
19 Non-Residential Smart Saver Custom	\$ 499,669	23.13%	\$ (115,588)	\$ 384,080	6.48%	3	\$ 144,978	76.87%	\$ 188,609	\$ 451,539	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 640,148	
20 Non-Residential Smart Saver Prescripth	\$ 2,316,165	23.13%	\$ (535,798)	\$ 1,780,367	6.48%	3	\$ 672,031	76.87%	\$ 874,277	\$ 3,299,757	\$ -	\$ -	\$ -	\$ 678,479	\$ 438,885	\$ 369,180	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,174,035	
21 Non-Res SmartSaver Performance	\$ 62,006	23.13%	\$ (14,344)	\$ 47,662	6.48%	3	\$ 17,991	76.87%	\$ 23,405	\$ 73,563	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,968	
22 Small Business Energy Saver	\$ 1,300,614	23.13%	\$ (300,871)	\$ 999,743	6.48%	3	\$ 377,371	76.87%	\$ 490,940	\$ 1,038,675	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,519,614	
23 Total for Non-Residential Conservation	4,359,364		(1,008,452)	3,350,912			1,245,819		1,620,746	5,753,817	-	-	-	931,159	772,394	762,661	-	-	163,962	167,570	1,369,566	1,586,505	7,374,563	
24 EnergyWise® for Business	\$ (220,471)	23.13%	\$ 51,001	\$ (169,469)	6.48%	1	\$ (169,469)	76.87%	\$ (220,471)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (220,471)	
25 Commercial, Industrial, & Government	\$ 226,581	23.13%	\$ (52,415)	\$ 174,166	6.48%	3	\$ 65,742	76.87%	\$ 85,527	\$ 178,197	\$ -	\$ -	\$ -	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ -	\$ -	\$ -	\$ 61,897	\$ 77,033	\$ 263,724	
26 Total for Non-Residential DSM Program	6,110		(1,413)	4,697			(103,727)		(134,944)	178,197	-	-	-	9,714	25,139	4,414	-	-	-	-	61,897	77,033	43,253	
27 Total Non Residential	4,365,474		(1,009,865)	3,355,609			1,142,092		1,485,802	5,932,014	-	-	-	940,873	797,533	767,075	-	-	163,962	167,570	1,431,463	1,663,538	7,417,816	
28 Total All Programs	7,361,506		(1,702,937)	5,658,569			2,091,256		2,720,616	14,831,873	-	-	-	1,944,323	1,641,770	1,465,580	1,067,635	926,373	1,860,122	1,604,367	2,020,308	2,301,396	17,552,489	

Duke Energy Progress
For the Period January 1, 2017 - December 31, 2022
Docket No. E-2, Sub 1273
North Carolina Net Lost Revenue for Vintages 2017 - 2022

Vintage 2017

Line	Residential	2017	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program	\$ 75,158	\$ 82,127	\$ 71,730	\$ 28,278	\$ -	\$ -	257,293
2	Energy Efficient Appliances and Devices	\$ 754,565	\$ 939,579	\$ 843,089	\$ 383,581	\$ -	\$ -	2,920,814
3	Energy Efficient Lighting	\$ 650,874	\$ 1,136,390	\$ 1,050,708	\$ 577,938	\$ -	\$ -	3,415,909
4	Multi-Family Energy Efficiency Program	\$ 458,694	\$ 653,898	\$ 598,323	\$ 295,671	\$ -	\$ -	2,006,585
5	My Home Energy Report	\$ 6,016,176	\$ -	\$ -	\$ -	\$ -	\$ -	6,016,176
6	Neighborhood Energy Saver	\$ 42,581	\$ 61,285	\$ 54,279	\$ 28,517	\$ -	\$ -	186,662
7	Residential Energy Assessments	\$ 210,303	\$ 275,908	\$ 246,877	\$ 117,628	\$ -	\$ -	850,616
8	Residential New Construction	\$ 369,740	\$ 519,463	\$ 468,424	\$ 233,640	\$ -	\$ -	1,591,267
9	Residential Smart Saver®	\$ 235,241	\$ 284,755	\$ 250,445	\$ 112,910	\$ -	\$ -	883,352
10	Total Lost Revenues	\$ 8,813,332	\$ 3,953,304	\$ 3,583,875	\$ 1,778,164	\$ -	\$ -	18,128,675
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
12	Net Lost Residential Revenues	\$ 8,813,332	\$ 3,953,304	\$ 3,583,875	\$ 1,778,164	\$ -	\$ -	18,128,675

	Non-Residential	2017	2018	2019	2020	2021	2022	Total
13	Business Energy Report	\$ 577	\$ -	\$ -	\$ -	\$ -	\$ -	577
14	Energy Efficient Lighting	\$ 140,093	\$ 316,570	\$ 328,825	\$ 165,951	\$ -	\$ -	951,440
15	EnergyWise for Business	\$ 29,965	\$ 45,234	\$ 46,905	\$ 16,026	\$ -	\$ -	138,210
16	Small Business Energy Saver	\$ 1,045,486	\$ 1,803,999	\$ 1,873,837	\$ 767,913	\$ -	\$ -	5,491,235
17	Smart Saver(R) Non Residential Performance Incentive Pro	\$ 8,952	\$ 20,325	\$ 21,112	\$ 12,355	\$ -	\$ -	62,744
18	Smart Saver® Non Residential Prescriptive	\$ 2,202,094	\$ 3,875,364	\$ 4,024,915	\$ 1,714,272	\$ -	\$ -	11,816,646
19	Smart Saver® Non-Residential - Custom	\$ 203,962	\$ 452,557	\$ 470,076	\$ 236,533	\$ -	\$ -	1,363,128
20	Total Lost Revenues	\$ 3,631,129	\$ 6,514,049	\$ 6,765,752	\$ 2,913,049	\$ -	\$ -	19,823,979
21	Found Non-Residential Revenues	\$ (72,644)	\$ (106,296)	\$ (106,296)	\$ (32,792)	\$ -	\$ -	(318,028)
22	Net Lost Non-Residential Revenues	\$ 3,558,485	\$ 6,407,753	\$ 6,659,456	\$ 2,880,258	\$ -	\$ -	19,505,951

	DSDR	2017	2018	2019	2020	2021	2022	Total
23	DSDR	\$ 65,125	\$ 2,329	\$ -	\$ -	\$ -	\$ -	67,453

Vintage 2018

Line	Residential	2017	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program	\$ -	\$ 68,911	\$ 129,318	\$ 87,537	\$ -	\$ -	285,766
3	Energy Efficient Appliances and Devices	\$ -	\$ 440,027	\$ 850,555	\$ 575,751	\$ -	\$ -	1,866,332
4	Energy Efficient Lighting	\$ -	\$ 642,900	\$ 1,381,621	\$ 935,237	\$ -	\$ -	2,959,758
5	Multi-Family Energy Efficiency Program	\$ -	\$ 445,045	\$ 861,489	\$ 596,691	\$ -	\$ -	1,923,225
6	My Home Energy Report	\$ -	\$ 7,718,873	\$ -	\$ -	\$ -	\$ -	7,718,873
7	Neighborhood Energy Saver	\$ -	\$ 38,712	\$ 87,336	\$ 59,119	\$ -	\$ -	185,168
8	Residential Energy Assessments	\$ -	\$ 236,716	\$ 433,062	\$ 293,145	\$ -	\$ -	962,923
9	Residential New Construction	\$ -	\$ 440,096	\$ 911,175	\$ 616,786	\$ -	\$ -	1,968,058
10	Residential Smart Saver®	\$ -	\$ 224,364	\$ 443,734	\$ 300,369	\$ -	\$ -	969,468
11	Total Lost Revenues	\$ -	\$ 10,255,643	\$ 5,118,292	\$ 3,464,637	\$ -	\$ -	18,838,571
12	Found Residential Revenues	\$ -	\$ (4,903)	\$ (8,353)	\$ (5,569)	\$ -	\$ -	(18,824)
13	Net Lost Residential Revenues	\$ -	\$ 10,250,740	\$ 5,109,939	\$ 3,459,068	\$ -	\$ -	18,819,748

	Non-Residential	2017	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting	\$ -	\$ 130,325	\$ 276,105	\$ 184,656	\$ -	\$ -	591,085
15	EnergyWise for Business	\$ -	\$ 681	\$ 1,590	\$ 1,063	\$ -	\$ -	3,334
16	Small Business Energy Saver	\$ -	\$ 864,421	\$ 1,675,520	\$ 1,120,571	\$ -	\$ -	3,660,511
17	Smart Saver(R) Non Residential Performance Incentive Program	\$ -	\$ 25,808	\$ 68,527	\$ 45,830	\$ -	\$ -	140,165
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ 2,156,131	\$ 3,539,467	\$ 2,387,160	\$ -	\$ -	8,062,758
19	Smart Saver® Non-Residential - Custom	\$ -	\$ 345,367	\$ 534,452	\$ 357,436	\$ -	\$ -	1,237,255
20	Total Lost Revenues	\$ -	\$ 3,522,733	\$ 6,095,660	\$ 4,076,716	\$ -	\$ -	13,695,108
21	Found Non-Residential Revenues	\$ -	\$ (31,247)	\$ (55,439)	\$ (36,959)	\$ -	\$ -	(92,398)
22	Net Lost Non-Residential Revenues	\$ -	\$ 3,491,486	\$ 6,040,221	\$ 4,039,757	\$ -	\$ -	13,602,711

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

Vintage 2019

Line	Residential	2017	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program			\$ 112,171	\$ 134,338	\$ 29,017	\$ 23,094	\$ 298,619
2	Energy Efficient Appliances and Devices			\$ 529,158	\$ 868,744	\$ 368,074	\$ 257,520	\$ 2,023,496
3	Energy Efficient Lighting			\$ 1,411,674	\$ 1,411,674	\$ 494,928	\$ 320,586	\$ 3,271,775
4	Multi-Family Energy Efficiency Program			\$ 423,542	\$ 555,710	\$ 178,992	\$ 121,400	\$ 1,278,644
5	My Home Energy Report			\$ 9,095,458	\$ -	\$ -	\$ -	\$ 9,095,458
6	Neighborhood Energy Saver			\$ 82,557	\$ 109,512	\$ 38,662	\$ 24,244	\$ 254,975
7	Residential Energy Assessments			\$ 244,084	\$ 341,865	\$ 124,996	\$ 83,414	\$ 794,359
8	Residential New Construction			\$ 523,723	\$ 815,936	\$ 323,848	\$ 226,074	\$ 1,889,582
9	Residential Smart Saver®			\$ 210,486	\$ 324,420	\$ 134,868	\$ 88,545	\$ 758,319
10	Weatherization Pilot			\$ 3,751	\$ 6,561	\$ 2,765	\$ 1,905	\$ 14,981
11	Total Lost Revenues	\$ -	\$ -	\$ 12,269,515	\$ 4,568,759	\$ 1,696,149	\$ 1,146,782	\$ 19,681,206
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 12,269,515	\$ 4,568,759	\$ 1,696,149	\$ 1,146,782	\$ 19,681,206

	Non-Residential	2017	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting			\$ 208,345	\$ 277,493	\$ 96,422	\$ 61,721	\$ 643,981
15	EnergyWise for Business			\$ 21,449	\$ 35,193	\$ 14,888	\$ 9,754	\$ 81,284
16	Small Business Energy Saver			\$ 813,467	\$ 1,146,686	\$ 397,843	\$ 277,956	\$ 2,635,952
17	Smart Saver(R) Non Residential Performance Incentive Program			\$ 30,568	\$ 50,425	\$ 24,599	\$ 15,731	\$ 121,322
18	Smart Saver® Non Residential Prescriptive			\$ 1,221,088	\$ 1,648,321	\$ 595,594	\$ 389,547	\$ 3,854,550
19	Smart Saver® Non-Residential - Custom			\$ 221,885	\$ 457,593	\$ 209,748	\$ 156,465	\$ 1,045,690
20	Total Lost Revenues	\$ -	\$ -	\$ 2,516,801	\$ 3,615,711	\$ 1,339,095	\$ 911,173	\$ 8,382,779
21	Found Non-Residential Revenues	\$ -	\$ -	\$ (2,687)	\$ (3,706)	\$ (1,357)	\$ (835)	\$ (6,585)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 2,514,114	\$ 3,612,005	\$ 1,337,737	\$ 910,338	\$ 8,374,194

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

Vintage 2020

Line	Residential	2017	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program			\$ -	\$ 36,513	\$ 61,432	\$ 62,312	\$ 160,257
2	Energy Efficient Appliances and Devices			\$ -	\$ 520,634	\$ 887,602	\$ 900,324	\$ 2,308,560
3	Energy Efficient Lighting			\$ -	\$ 526,646	\$ 883,147	\$ 895,806	\$ 2,305,599
4	Multi-Family Energy Efficiency Program			\$ -	\$ 136,010	\$ 90,692	\$ 91,992	\$ 318,694
5	My Home Energy Report			\$ -	\$ 9,317,886	\$ -	\$ -	\$ 9,317,886
6	Neighborhood Energy Saver			\$ -	\$ 12,247	\$ 8,938	\$ 9,066	\$ 30,251
7	Residential Energy Assessments			\$ -	\$ 173,035	\$ 356,326	\$ 361,433	\$ 890,794
8	Residential New Construction			\$ -	\$ 613,230	\$ 1,074,029	\$ 1,089,424	\$ 2,776,683
9	Residential Smart Saver®			\$ -	\$ 201,538	\$ 365,194	\$ 370,429	\$ 937,161
10	Weatherization Pilot			\$ -	\$ 2,892	\$ 5,923	\$ 6,008	\$ 14,823
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 11,540,630	\$ 3,733,283	\$ 3,786,795	\$ 19,060,708
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ (12)	\$ (12)	\$ (25)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ 11,540,630	\$ 3,733,271	\$ 3,786,782	\$ 19,060,684

	Non-Residential	2017	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting			\$ -	\$ 103,565	\$ 175,594	\$ 175,945	\$ 455,104
15	EnergyWise for Business			\$ -	\$ 14,795	\$ 17,452	\$ 17,487	\$ 49,734
16	Small Business Energy Saver			\$ -	\$ 458,582	\$ 676,224	\$ 677,577	\$ 1,812,383
17	Smart Saver(R) Non Residential Performance Incentive Program			\$ -	\$ 26,728	\$ 152,846	\$ 153,152	\$ 332,727
18	Smart Saver® Non Residential Prescriptive			\$ -	\$ 917,203	\$ 1,542,285	\$ 1,545,372	\$ 4,004,860
19	Smart Saver® Non-Residential - Custom			\$ -	\$ 260,424	\$ 514,000	\$ 515,029	\$ 1,289,452
20	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 1,781,297	\$ 3,078,400	\$ 3,084,562	\$ 7,944,263
21	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ (5,064)	\$ (9,609)	\$ (9,609)	\$ (14,673)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ 1,776,234	\$ 3,068,792	\$ 3,074,953	\$ 4,845,025

Vintage 2021

Line	Residential	2017	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program			\$ -	\$ -	\$ 119,914	\$ 216,664	\$ 336,578
2	Energy Efficient Appliances and Devices			\$ -	\$ -	\$ 819,946	\$ 1,536,419	\$ 2,356,365
3	Energy Efficient Lighting			\$ -	\$ -	\$ 245,134	\$ 480,605	\$ 725,739
4	Multi-Family Energy Efficiency Program			\$ -	\$ -	\$ 513,447	\$ 961,489	\$ 1,474,937
5	My Home Energy Report			\$ -	\$ -	\$ 9,430,353	\$ -	\$ 9,430,353
6	Neighborhood Energy Saver			\$ -	\$ -	\$ 90,941	\$ 170,298	\$ 261,239
7	Residential Energy Assessments			\$ -	\$ -	\$ 462,332	\$ 865,770	\$ 1,328,102
8	Residential New Construction			\$ -	\$ -	\$ 588,687	\$ 1,162,104	\$ 1,750,792
9	Residential Smart Saver®			\$ -	\$ -	\$ 151,993	\$ 284,625	\$ 436,618
10	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ 12,422,747	\$ 5,677,975	\$ 18,100,721
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ 12,422,747	\$ 5,677,975	\$ 18,100,721

	Non-Residential	2017	2018	2019	2020	2021	2022	Total
13	Energy Efficient Lighting			\$ -	\$ -	\$ 49,121	\$ 95,135	\$ 144,255
14	EnergyWise for Business			\$ -	\$ -	\$ 1,239	\$ 2,291	\$ 3,530
15	Small Business Energy Saver			\$ -	\$ -	\$ 811,359	\$ 1,541,199	\$ 2,352,558
16	Smart Saver(R) Non Residential Performance Incentive Program			\$ -	\$ -	\$ 78,024	\$ 144,332	\$ 222,355
17	Smart Saver® Non Residential Prescriptive			\$ -	\$ -	\$ 1,755,219	\$ 3,246,890	\$ 5,002,109
18	Smart Saver® Non-Residential - Custom			\$ -	\$ -	\$ 396,339	\$ 733,168	\$ 1,129,508
19	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ 3,091,300	\$ 5,763,015	\$ 8,854,315
20	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ (6,175)	\$ (11,399)	\$ (17,574)
21	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ 3,085,125	\$ 5,751,616	\$ 8,836,741

Vintage 2022

Line	Residential	2017	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program			\$ -	\$ -	\$ -	\$ 144,472	\$ 144,472
2	Energy Efficient Appliances and Devices			\$ -	\$ -	\$ -	\$ 1,054,283	\$ 1,054,283
3	Energy Efficient Lighting			\$ -	\$ -	\$ -	\$ 400,970	\$ 400,970
4	Multi-Family Energy Efficiency Program			\$ -	\$ -	\$ -	\$ 363,882	\$ 363,882
5	My Home Energy Report			\$ -	\$ -	\$ -	\$ 9,262,304	\$ 9,262,304
6	Neighborhood Energy Saver			\$ -	\$ -	\$ -	\$ 118,763	\$ 118,763
7	Residential Energy Assessments			\$ -	\$ -	\$ -	\$ 514,092	\$ 514,092
8	Residential New Construction			\$ -	\$ -	\$ -	\$ 604,841	\$ 604,841
9	Residential Smart Saver®			\$ -	\$ -	\$ -	\$ 198,059	\$ 198,059
10	Weatherization Pilot			\$ -	\$ -	\$ -	\$ 5,688	\$ 5,688
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,667,355	\$ 12,667,355
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,667,355	\$ 12,667,355

	Non-Residential	2017	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting			\$ -	\$ -	\$ -	\$ 79,364	\$ 79,364
15	Small Business Energy Saver			\$ -	\$ -	\$ -	\$ 1,206,418	\$ 1,206,418
16	Smart Saver(R) Non Residential Performance Incentive Program			\$ -	\$ -	\$ -	\$ 49,631	\$ 49,631
17	Smart Saver® Non Residential Prescriptive			\$ -	\$ -	\$ -	\$ 1,659,749	\$ 1,659,749
18	Smart Saver® Non-Residential - Custom			\$ -	\$ -	\$ -	\$ 407,424	\$ 407,424
19	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,402,586	\$ 3,402,586
20	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (317)	\$ (317)
21	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,402,269	\$ 3,402,269

Duke Energy Progress
For the Period January 1, 2017 - December 31, 2019
Docket No. E-2, Sub 1273
North Carolina Net Lost Revenue
True Up for Vintages 2017 - 2019

		Vintage 2017 as Filed Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ 75,158	\$ 82,127	\$ 71,730	\$ 26,431	\$ -	\$ -	\$ 255,446
3	Energy Efficient Lighting	\$ 650,874	\$ 1,136,390	\$ 1,050,708	\$ 540,193	\$ -	\$ -	\$ 3,378,164
4	Home Energy Improvement Program	\$ 235,241	\$ 284,755	\$ 250,445	\$ 105,536	\$ -	\$ -	\$ 875,978
5	Multi-Family	\$ 458,694	\$ 653,898	\$ 598,323	\$ 276,361	\$ -	\$ -	\$ 1,987,275
6	My Home Energy Report	\$ 6,016,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,016,176
7	Neighborhood Energy Saver	\$ 42,581	\$ 61,285	\$ 54,279	\$ 26,654	\$ -	\$ -	\$ 184,800
8	Residential Energy Assessments	\$ 210,303	\$ 275,808	\$ 246,877	\$ 109,946	\$ -	\$ -	\$ 842,934
9	Residential New Construction	\$ 369,740	\$ 519,463	\$ 468,424	\$ 218,382	\$ -	\$ -	\$ 1,576,008
10	Save Energy and Water Kit	\$ 754,565	\$ 939,579	\$ 843,089	\$ 358,530	\$ -	\$ -	\$ 2,895,763
11	Lost Residential Revenues	\$ 8,813,332	\$ 3,953,304	\$ 3,583,875	\$ 1,662,033	\$ -	\$ -	\$ 18,012,544
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ 8,813,332	\$ 3,953,304	\$ 3,583,875	\$ 1,662,033	\$ -	\$ -	\$ 18,012,544
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Business Energy Report	\$ 577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 577
15	Energy Efficiency for Business	\$ 2,406,056	\$ 4,327,920	\$ 4,494,992	\$ 1,871,445	\$ -	\$ -	\$ 13,100,414
16	Energy Efficient Lighting	\$ 140,093	\$ 316,570	\$ 328,825	\$ 159,200	\$ -	\$ -	\$ 944,689
17	Small Business Energy Saver	\$ 1,045,486	\$ 1,803,999	\$ 1,873,837	\$ 736,674	\$ -	\$ -	\$ 5,459,996
18	Non-Res SmartSaver Performance	\$ 8,952	\$ 20,325	\$ 21,112	\$ 11,852	\$ -	\$ -	\$ 62,241
19	EnergyWise for Business	\$ 29,965	\$ 45,234	\$ 46,985	\$ 15,374	\$ -	\$ -	\$ 137,558
20	Net Lost Non-Residential Revenues	\$ 3,631,129	\$ 6,514,049	\$ 6,765,752	\$ 2,794,545	\$ -	\$ -	\$ 19,705,475
21	Found Non-Residential Revenues	\$ (72,644)	\$ (106,296)	\$ (106,296)	\$ (32,792)	\$ -	\$ -	\$ (318,028)
22	Net Lost Non-Residential Revenues	\$ 3,558,485	\$ 6,407,753	\$ 6,659,456	\$ 2,761,753	\$ -	\$ -	\$ 19,387,447
DSDR		2017(a)	2018	2019	2020	2021	2022	Total
23	DSDR	\$ 65,125	\$ 2,329	\$ -	\$ -	\$ -	\$ -	\$ 67,453
		Vintage 2018 as Filed Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ -	\$ 68,911	\$ 129,318	\$ 81,820	\$ -	\$ -	\$ 280,049
3	Energy Efficient Lighting	\$ -	\$ 642,900	\$ 1,381,621	\$ 874,157	\$ -	\$ -	\$ 2,898,679
4	Home Energy Improvement Program	\$ -	\$ 224,364	\$ 443,734	\$ 280,752	\$ -	\$ -	\$ 948,851
5	Multi-Family	\$ -	\$ 434,773	\$ 846,931	\$ 535,857	\$ -	\$ -	\$ 1,817,561
6	My Home Energy Report	\$ -	\$ 7,718,873	\$ -	\$ -	\$ -	\$ -	\$ 7,718,873
7	Neighborhood Energy Saver	\$ -	\$ 38,712	\$ 87,336	\$ 55,258	\$ -	\$ -	\$ 181,307
8	Residential Energy Assessments	\$ -	\$ 236,716	\$ 433,062	\$ 274,000	\$ -	\$ -	\$ 943,778
9	Residential New Construction	\$ -	\$ 440,096	\$ 911,175	\$ 576,504	\$ -	\$ -	\$ 1,927,776
10	Save Energy and Water Kit	\$ -	\$ 440,027	\$ 850,555	\$ 538,149	\$ -	\$ -	\$ 1,828,731
11	Lost Residential Revenues	\$ -	\$ 10,245,371	\$ 5,083,734	\$ 3,216,498	\$ -	\$ -	\$ 18,545,603
12	Found Residential Revenues	\$ -	\$ (4,903)	\$ (8,353)	\$ (5,569)	\$ -	\$ -	\$ (18,824)
13	Net Lost Residential Revenues	\$ -	\$ 10,240,469	\$ 5,075,381	\$ 3,210,930	\$ -	\$ -	\$ 18,526,779
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting	\$ -	\$ 130,325	\$ 276,105	\$ 215,622	\$ 62,040	\$ -	\$ 684,092
15	Non-Residential Smart Saver Prescriptive	\$ -	\$ 2,156,131	\$ 3,539,467	\$ 2,764,128	\$ 573,019	\$ -	\$ 9,032,744
16	Non-Residential Smart Saver Custom	\$ -	\$ 345,367	\$ 534,452	\$ 417,377	\$ 77,460	\$ -	\$ 1,374,656
17	Non-Res SmartSaver Performance	\$ -	\$ 25,808	\$ 68,527	\$ 53,516	\$ 18,392	\$ -	\$ 166,243
18	Small Business Energy Saver	\$ -	\$ 864,421	\$ 1,675,520	\$ 1,308,488	\$ 342,804	\$ -	\$ 4,191,233
19	EnergyWise for Business	\$ -	\$ 681	\$ 1,590	\$ 1,242	\$ 389	\$ -	\$ 3,902
20	Net Lost Non-Residential Revenues	\$ -	\$ 3,522,733	\$ 6,095,660	\$ 4,760,373	\$ 1,074,103	\$ -	\$ 15,452,869
21	Found Non-Residential Revenues	\$ -	\$ (31,247)	\$ (55,439)	\$ (44,987)	\$ (10,510)	\$ -	\$ (142,182)
22	Net Lost Non-Residential Revenues	\$ -	\$ 3,491,486	\$ 6,040,221	\$ 4,715,386	\$ 1,063,593	\$ -	\$ 15,310,687
DSDR		2016(a)	2017(a)	2018	2019	2020	2021	Total
23	DSDR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Vintage 2019 as Filed Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program	\$ -	\$ -	\$ 112,171	\$ 141,064	\$ 78,558	\$ -	\$ 331,792
2	Energy Efficient Appliances and Devices	\$ -	\$ -	\$ 539,606	\$ 883,980	\$ 497,220	\$ -	\$ 1,920,806
3	Energy Efficient Lighting	\$ -	\$ -	\$ 1,044,587	\$ 1,409,874	\$ 783,860	\$ -	\$ 3,238,322
4	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ 412,299	\$ 567,959	\$ 313,221	\$ -	\$ 1,293,479
5	My Home Energy Report	\$ -	\$ -	\$ 9,095,458	\$ -	\$ -	\$ -	\$ 9,095,458
6	Neighborhood Energy Saver	\$ -	\$ -	\$ 82,557	\$ 110,291	\$ 64,012	\$ -	\$ 256,859
7	Residential Energy Assessments	\$ -	\$ -	\$ 244,084	\$ 337,845	\$ 183,510	\$ -	\$ 765,439
8	Residential New Construction	\$ -	\$ -	\$ 523,723	\$ 800,957	\$ 446,297	\$ -	\$ 1,770,977
9	Residential Smart Saver®	\$ -	\$ -	\$ 210,486	\$ 316,432	\$ 177,059	\$ -	\$ 703,977
10	Weatherization Pilot	\$ -	\$ -	\$ 3,751	\$ 6,553	\$ 4,110	\$ -	\$ 14,413
11	Lost Residential Revenues	\$ -	\$ -	\$ 12,268,722	\$ 4,574,954	\$ 2,547,846	\$ -	\$ 19,391,522
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 12,268,722	\$ 4,574,954	\$ 2,547,846	\$ -	\$ 19,391,522
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting	\$ -	\$ -	\$ 208,344	\$ 353,582	\$ 372,818	\$ -	\$ 934,744
15	EnergyWise for Business	\$ -	\$ -	\$ 1,295	\$ 2,239	\$ 2,361	\$ -	\$ 5,896
16	Small Business Energy Saver	\$ -	\$ -	\$ 784,625	\$ 1,385,267	\$ 1,460,629	\$ -	\$ 3,630,521
17	Smart Saver(R) Non Residential Performance Incentiv	\$ -	\$ -	\$ 30,568	\$ 60,896	\$ 64,209	\$ -	\$ 155,672
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ -	\$ 1,357,017	\$ 2,300,536	\$ 2,425,690	\$ -	\$ 6,083,243
19	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ 221,885	\$ 559,003	\$ 589,414	\$ -	\$ 1,370,302
20	Total Lost Revenues	\$ -	\$ -	\$ 2,603,733	\$ 4,661,524	\$ 4,915,120	\$ -	\$ 12,180,377
21	Found Non-Residential Revenues	\$ -	\$ -	\$ (2,687)	\$ (4,880)	\$ (4,880)	\$ -	\$ (12,447)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 2,601,047	\$ 4,656,644	\$ 4,910,240	\$ -	\$ 12,167,930

Duke Energy Progress
For the Period January 1, 2017 - December 31, 2017
Docket No. E-2, Sub 1273
North Carolina Net Lost Revenue
True Up for Vintages 2017 - 2019

		Vintage 2017 True Up Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ 75,158	\$ 82,127	\$ 71,730	\$ 28,278	\$ -	\$ -	\$ 257,293
3	Energy Efficient Lighting	\$ 650,874	\$ 1,136,390	\$ 1,050,708	\$ 577,938	\$ -	\$ -	\$ 3,415,909
4	Home Energy Improvement Program	\$ 235,241	\$ 284,755	\$ 250,445	\$ 112,910	\$ -	\$ -	\$ 883,352
5	Multi-Family	\$ 458,694	\$ 653,898	\$ 598,323	\$ 295,671	\$ -	\$ -	\$ 2,006,585
6	My Home Energy Report	\$ 6,016,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,016,176
7	Neighborhood Energy Saver	\$ 42,581	\$ 61,285	\$ 54,279	\$ 28,517	\$ -	\$ -	\$ 186,662
8	Residential Energy Assessments	\$ 210,303	\$ 275,808	\$ 246,877	\$ 117,628	\$ -	\$ -	\$ 850,616
9	Residential New Construction	\$ 369,740	\$ 519,463	\$ 468,424	\$ 233,640	\$ -	\$ -	\$ 1,591,267
10	Save Energy and Water Kit	\$ 754,565	\$ 939,579	\$ 843,089	\$ 383,581	\$ -	\$ -	\$ 2,920,814
11	Lost Residential Revenues	\$ 8,813,332	\$ 3,953,304	\$ 3,583,875	\$ 1,778,164	\$ -	\$ -	\$ 18,128,675
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ 8,813,332	\$ 3,953,304	\$ 3,583,875	\$ 1,778,164	\$ -	\$ -	\$ 18,128,675
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Business Energy Report	\$ 577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 577
15	Energy Efficiency for Business	\$ 2,406,056	\$ 4,327,920	\$ 4,494,992	\$ 1,950,805	\$ -	\$ -	\$ 13,179,774
16	Energy Efficient Lighting	\$ 140,093	\$ 316,570	\$ 328,825	\$ 165,951	\$ -	\$ -	\$ 951,440
17	Small Business Energy Saver	\$ 1,045,486	\$ 1,803,999	\$ 1,873,837	\$ 767,913	\$ -	\$ -	\$ 5,491,235
18	Non-Res SmartSaver Performance	\$ 8,952	\$ 20,325	\$ 21,112	\$ 12,355	\$ -	\$ -	\$ 62,744
19	EnergyWise for Business	\$ 29,965	\$ 45,234	\$ 46,985	\$ 16,026	\$ -	\$ -	\$ 138,210
20	Net Lost Non-Residential Revenues	\$ 3,631,129	\$ 6,514,049	\$ 6,765,752	\$ 2,913,049	\$ -	\$ -	\$ 19,823,979
21	Found Non- Residential Revenues	\$ (72,644)	\$ (106,296)	\$ (106,296)	\$ (32,792)	\$ -	\$ -	\$ (318,028)
22	Net Lost Non-Residential Revenues	\$ 3,558,485	\$ 6,407,753	\$ 6,659,456	\$ 2,880,258	\$ -	\$ -	\$ 19,505,951
23	DSDR	\$ 65,125	\$ 2,329	\$ -	\$ -	\$ -	\$ -	\$ 67,453
		Vintage 2018 True Up Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ -	\$ 68,911	\$ 129,318	\$ 87,537	\$ -	\$ -	\$ 285,766
3	Energy Efficient Lighting	\$ -	\$ 642,900	\$ 1,381,621	\$ 935,237	\$ -	\$ -	\$ 2,959,758
4	Home Energy Improvement Program	\$ -	\$ 224,364	\$ 443,734	\$ 300,369	\$ -	\$ -	\$ 968,468
5	Multi-Family	\$ -	\$ 445,045	\$ 881,489	\$ 596,691	\$ -	\$ -	\$ 1,923,225
6	My Home Energy Report	\$ -	\$ 7,718,873	\$ -	\$ -	\$ -	\$ -	\$ 7,718,873
7	Neighborhood Energy Saver	\$ -	\$ 38,712	\$ 87,336	\$ 59,119	\$ -	\$ -	\$ 185,168
8	Residential Energy Assessments	\$ -	\$ 236,716	\$ 433,062	\$ 293,145	\$ -	\$ -	\$ 965,923
9	Residential New Construction	\$ -	\$ 440,096	\$ 911,175	\$ 616,786	\$ -	\$ -	\$ 1,968,058
10	Save Energy and Water Kit	\$ -	\$ 440,027	\$ 850,555	\$ 575,751	\$ -	\$ -	\$ 1,866,332
11	Lost Residential Revenues	\$ -	\$ 10,255,643	\$ 5,118,292	\$ 3,464,637	\$ -	\$ -	\$ 18,838,571
12	Found Residential Revenues	\$ -	\$ (4,903)	\$ (8,353)	\$ (5,569)	\$ -	\$ -	\$ (18,824)
13	Net Lost Residential Revenues	\$ -	\$ 10,250,740	\$ 5,109,939	\$ 3,459,068	\$ -	\$ -	\$ 18,819,748
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting	\$ -	\$ 130,325	\$ 276,105	\$ 184,656	\$ -	\$ -	\$ 591,085
15	Non-Residential Smart Saver Prescriptive	\$ -	\$ 2,156,131	\$ 3,539,467	\$ 2,367,160	\$ -	\$ -	\$ 8,062,758
16	Non-Residential Smart Saver Custom	\$ -	\$ 345,367	\$ 534,452	\$ 357,436	\$ -	\$ -	\$ 1,237,255
17	Non-Res SmartSaver Performance	\$ -	\$ 25,808	\$ 68,527	\$ 45,830	\$ -	\$ -	\$ 140,165
18	Small Business Energy Saver	\$ -	\$ 864,421	\$ 1,675,520	\$ 1,120,571	\$ -	\$ -	\$ 3,660,511
19	EnergyWise for Business	\$ -	\$ 681	\$ 1,590	\$ 1,063	\$ -	\$ -	\$ 3,334
20	Net Lost Non-Residential Revenues	\$ -	\$ 3,522,733	\$ 6,095,660	\$ 4,076,716	\$ -	\$ -	\$ 13,695,108
21	Found Non- Residential Revenues	\$ -	\$ (31,247)	\$ (55,439)	\$ (36,959)	\$ -	\$ -	\$ (123,644)
22	Net Lost Non-Residential Revenues	\$ -	\$ 3,491,486	\$ 6,040,221	\$ 4,039,757	\$ -	\$ -	\$ 13,571,464
23	DSDR	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Vintage 2019 True Up Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program	\$ -	\$ -	\$ 112,171	\$ 134,338	\$ 29,017	\$ 23,094	\$ 298,619
2	Energy Efficient Appliances and Devices	\$ -	\$ -	\$ 529,158	\$ 868,744	\$ 368,074	\$ 257,520	\$ 2,023,496
3	Energy Efficient Lighting	\$ -	\$ -	\$ 1,044,587	\$ 1,411,674	\$ 494,928	\$ 320,586	\$ 3,271,775
4	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ 423,542	\$ 555,710	\$ 178,992	\$ 121,400	\$ 1,279,644
5	My Home Energy Report	\$ -	\$ -	\$ 9,095,458	\$ -	\$ -	\$ -	\$ 9,095,458
6	Neighborhood Energy Saver	\$ -	\$ -	\$ 82,557	\$ 109,512	\$ 38,662	\$ 24,244	\$ 254,975
7	Residential Energy Assessments	\$ -	\$ -	\$ 244,084	\$ 341,865	\$ 124,996	\$ 83,414	\$ 794,359
8	Residential New Construction	\$ -	\$ -	\$ 523,723	\$ 815,936	\$ 323,848	\$ 226,074	\$ 1,889,582
9	Residential Smart Saver®	\$ -	\$ -	\$ 210,486	\$ 324,420	\$ 134,868	\$ 88,545	\$ 758,319
10	Weatherization Pilot	\$ -	\$ -	\$ 3,751	\$ 6,561	\$ 2,765	\$ 1,905	\$ 14,981
11	Lost Residential Revenues	\$ -	\$ -	\$ 12,269,515	\$ 4,568,759	\$ 1,696,149	\$ 1,146,782	\$ 19,681,206
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 12,269,515	\$ 4,568,759	\$ 1,696,149	\$ 1,146,782	\$ 19,681,206
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting	\$ -	\$ -	\$ 208,345	\$ 277,493	\$ 96,422	\$ 61,721	\$ 643,981
15	EnergyWise for Business	\$ -	\$ -	\$ 21,449	\$ 35,193	\$ 14,888	\$ 9,754	\$ 81,284
16	Small Business Energy Saver	\$ -	\$ -	\$ 813,467	\$ 1,146,686	\$ 397,843	\$ 277,956	\$ 2,635,952
17	Smart Saver(R) Non Residential Performance	\$ -	\$ -	\$ 30,568	\$ 50,425	\$ 24,599	\$ 15,731	\$ 121,322
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ -	\$ 1,221,088	\$ 1,648,321	\$ 595,594	\$ 389,547	\$ 3,854,550
19	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ 221,885	\$ 457,593	\$ 209,748	\$ 156,465	\$ 1,045,690
20	Total Lost Revenues	\$ -	\$ -	\$ 2,516,801	\$ 3,615,711	\$ 1,339,095	\$ 911,173	\$ 8,382,779
21	Found Non- Residential Revenues	\$ -	\$ -	\$ (2,687)	\$ (3,706)	\$ (1,357)	\$ (835)	\$ (7,750)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 2,514,114	\$ 3,612,005	\$ 1,337,737	\$ 910,338	\$ 8,375,030

Duke Energy Progress
For the Period January 1, 2017 - December 31, 2019
Docket No. E-2, Sub 1273
North Carolina Net Lost Revenue
True Up for Vintages 2017 - 2019

		Vintage 2017 Variance Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ -	\$ -	\$ -	\$ 1,847	\$ -	\$ -	\$ 1,847
3	Energy Efficient Lighting	\$ -	\$ -	\$ -	\$ 37,745	\$ -	\$ -	\$ 37,745
4	Home Energy Improvement Program	\$ -	\$ -	\$ 0	\$ 7,374	\$ -	\$ -	\$ 7,374
5	Multi-Family	\$ -	\$ -	\$ -	\$ 19,310	\$ -	\$ -	\$ 19,310
6	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	Neighborhood Energy Saver	\$ -	\$ -	\$ -	\$ 1,862	\$ -	\$ -	\$ 1,862
8	Residential Energy Assessments	\$ -	\$ -	\$ -	\$ 7,682	\$ -	\$ -	\$ 7,682
9	Residential New Construction	\$ -	\$ -	\$ -	\$ 15,259	\$ -	\$ -	\$ 15,259
10	Save Energy and Water Kit	\$ -	\$ -	\$ -	\$ 25,051	\$ -	\$ -	\$ 25,051
11	Lost Residential Revenues	\$ -	\$ -	\$ 0	\$ 116,131	\$ -	\$ -	\$ 116,131
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 0	\$ 116,131	\$ -	\$ -	\$ 116,131
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Business Energy Report	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
15	Energy Efficiency for Business	-	-	\$ -	\$ 79,360	\$ -	\$ -	\$ 79,360
16	Energy Efficient Lighting	-	-	\$ 0	\$ 6,751	\$ -	\$ -	\$ 6,751
17	Small Business Energy Saver	-	-	\$ -	\$ 31,239	\$ -	\$ -	\$ 31,239
18	Non-Res SmartSaver Performance	-	-	\$ -	\$ 503	\$ -	\$ -	\$ 503
19	EnergyWise for Business	-	-	\$ -	\$ 652	\$ -	\$ -	\$ 652
20	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 0	\$ 118,504	\$ -	\$ -	\$ 118,504
21	Found Non-Residential Revenues	-	-	\$ -	\$ -	\$ -	\$ -	\$ -
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 0	\$ 118,504	\$ -	\$ -	\$ 118,504
23	DSDR	-	-	-	-	-	-	\$ -
		Vintage 2018 Variance Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Appliance Recycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Energy Education Program for Schools	\$ -	\$ -	\$ -	\$ 5,717	\$ -	\$ -	\$ 5,717
3	Energy Efficient Lighting	\$ -	\$ -	\$ -	\$ 61,080	\$ -	\$ -	\$ 61,080
4	Home Energy Improvement Program	\$ -	\$ -	\$ -	\$ 19,617	\$ -	\$ -	\$ 19,617
5	Multi-Family	\$ -	\$ 10,272	\$ 34,558	\$ 60,834	\$ -	\$ -	\$ 105,664
6	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	Neighborhood Energy Saver	\$ -	\$ -	\$ -	\$ 3,861	\$ -	\$ -	\$ 3,861
8	Residential Energy Assessments	\$ -	\$ -	\$ -	\$ 19,145	\$ -	\$ -	\$ 19,145
9	Residential New Construction	\$ -	\$ -	\$ -	\$ 40,282	\$ -	\$ -	\$ 40,282
10	Save Energy and Water Kit	\$ -	\$ -	\$ -	\$ 37,602	\$ -	\$ -	\$ 37,602
11	Lost Residential Revenues	\$ -	\$ 10,272	\$ 34,558	\$ 248,138	\$ -	\$ -	\$ 292,968
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ 10,272	\$ 34,558	\$ 248,138	\$ -	\$ -	\$ 292,968
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting	-	-	-	\$ (30,966)	\$ (62,040)	\$ -	\$ (93,006)
15	Non-Residential Smart Saver Prescriptive	-	-	-	\$ (396,968)	\$ (573,019)	\$ -	\$ (969,987)
16	Non-Residential Smart Saver Custom	-	-	-	\$ (59,941)	\$ (77,460)	\$ -	\$ (137,401)
17	Non-Res SmartSaver Performance	-	-	-	\$ (7,686)	\$ (18,392)	\$ -	\$ (26,077)
18	Small Business Energy Saver	-	-	-	\$ (187,918)	\$ (342,804)	\$ -	\$ (530,721)
19	EnergyWise for Business	-	-	-	\$ (178)	\$ (389)	\$ -	\$ (567)
20	Net Lost Non-Residential Revenues	0	0	0	\$ (683,658)	\$ (1,074,103)	0	\$ (1,757,761)
21	Found Non-Residential Revenues	-	-	-	\$ 8,028	\$ 10,510	\$ -	\$ 18,538
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ (675,629)	\$ (1,063,593)	\$ -	\$ (1,739,223)
23	DSDR	2016(a)	2017(a)	2018	2019	2020	2021	Total
		-	-	-	\$ -	-	-	-
		Vintage 2019 Variance Lost Revenue kWh \$						
Line	Residential	2017(a)	2018	2019	2020	2021	2022	Total
1	Energy Efficiency Education Program	\$ -	\$ -	\$ -	\$ (6,726)	\$ (49,541)	\$ 23,094	\$ (33,174)
2	Energy Efficient Appliances and Devices	\$ -	\$ -	\$ (10,449)	\$ (15,236)	\$ (129,147)	\$ 257,520	\$ 102,689
3	Energy Efficient Lighting	\$ -	\$ -	\$ (0)	\$ 1,800	\$ (288,933)	\$ 320,586	\$ 33,453
4	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ 11,242	\$ (12,249)	\$ (134,229)	\$ 121,400	\$ (13,835)
5	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Neighborhood Energy Saver	\$ -	\$ -	\$ -	\$ (779)	\$ (25,350)	\$ 24,244	\$ (1,884)
7	Residential Energy Assessments	\$ -	\$ -	\$ -	\$ 4,020	\$ (58,514)	\$ 83,414	\$ 28,920
8	Residential New Construction	\$ -	\$ -	\$ -	\$ 14,979	\$ (122,448)	\$ 226,074	\$ 118,605
9	Residential Smart Saver®	\$ -	\$ -	\$ -	\$ 7,988	\$ (42,191)	\$ 88,545	\$ 54,341
10	Weatherization Pilot	\$ -	\$ -	\$ -	\$ 8	\$ (1,345)	\$ 1,905	\$ 568
11	Lost Residential Revenues	\$ -	\$ -	\$ 793	\$ (6,195)	\$ (851,697)	\$ 1,146,782	\$ 289,683
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 793	\$ (6,195)	\$ (851,697)	\$ 1,146,782	\$ 289,683
Non-Residential		2017(a)	2018	2019	2020	2021	2022	Total
14	Energy Efficient Lighting	\$ -	\$ -	\$ 1	\$ (76,089)	\$ (276,396)	\$ 61,721	\$ (290,763)
15	EnergyWise for Business	\$ -	\$ -	\$ 20,154	\$ 32,954	\$ 12,527	\$ 9,754	\$ 75,389
16	Small Business Energy Saver	\$ -	\$ -	\$ 28,842	\$ (238,581)	\$ (1,062,785)	\$ 277,956	\$ (994,569)
17	Smart Saver(R) Non Residential Performance	\$ -	\$ -	\$ (10,471)	\$ (39,610)	\$ (39,610)	\$ 15,731	\$ (34,350)
18	Smart Saver® Non Residential Prescriptive	\$ -	\$ -	\$ (135,929)	\$ (652,215)	\$ (1,830,096)	\$ 389,547	\$ (2,228,693)
19	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ -	\$ (101,411)	\$ (379,667)	\$ 156,465	\$ (324,612)
20	Total Lost Revenues	\$ -	\$ -	\$ (86,932)	\$ (1,045,813)	\$ (3,576,026)	\$ 911,173	\$ (3,797,598)
21	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ 1,174	\$ 3,523	\$ (835)	\$ 3,862.18
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ (86,932)	\$ (1,044,639)	\$ (3,572,503)	\$ 910,338	\$ (3,793,736)

Duke Energy Progress
Actual Program Costs for Vintage Years 2016 - 2020
Docket Number E-2, Sub 1273

		Carolinas System - 12 Months Ended 12/31/2016	Carolinas System - 12 Months Ended 12/31/2017	Carolinas System - 12 Months Ended 12/31/2018	Carolinas System - 12 Months Ended 12/31/2019	Carolinas System - 12 Months Ended 12/31/2020
1	Appliance Recycling Program	\$ (137,009)	\$ 5,586	\$ -	\$ -	\$ -
2	Appliances and Devices	\$ -	\$ -	\$ -	\$ 2,160,799	\$ 3,051,854
3	Residential Service – Smart Saver	\$ 6,013,170	\$ 6,961,463	\$ 7,168,833	\$ 6,411,758	\$ 6,517,089
4	Energy Efficient Lighting	\$ 15,552,184	\$ 10,904,279	\$ 8,752,062	\$ 11,993,695	\$ 5,385,332
5	Neighborhood Energy Saver	\$ 2,052,535	\$ 1,781,211	\$ 1,845,739	\$ 1,671,298	\$ 401,046
6	Residential New Construction	\$ 9,405,615	\$ 11,671,724	\$ 13,189,949	\$ 15,113,951	\$ 18,861,261
7	Residential Energy Efficient Benchmarking	\$ -	\$ -	\$ -	\$ -	\$ -
8	Residential Home Advantage	\$ -	\$ -	\$ -	\$ -	\$ -
9	Energy Education Program for Schools	\$ 827,497	\$ 835,991	\$ 676,815	\$ 747,483	\$ 388,273
10	Multi-Family Energy Efficiency	\$ 2,045,220	\$ 2,514,413	\$ 2,409,743	\$ 2,156,484	\$ 892,251
11	My Home Energy Report	\$ 5,890,093	\$ 6,753,153	\$ 7,687,891	\$ 6,299,307	\$ 7,369,336
12	Residential Energy Assessments	\$ 1,417,924	\$ 1,863,486	\$ 1,851,965	\$ 2,113,798	\$ 2,160,729
13	Save Energy and Water Kit	\$ 674,538	\$ 888,869	\$ 825,279	\$ -	\$ -
14	Low Income Weatherization Pilot	\$ -	\$ -	\$ -	\$ 27,356	\$ 51,370
15	Business Energy Report	\$ 69,516	\$ 20,330	\$ -	\$ -	\$ -
16	Energy Efficiency for Business	\$ 14,159,310	\$ 21,749,807	\$ 13,690,077	\$ -	\$ -
17	Energy Efficient Lighting	\$ 1,889,694	\$ 1,324,943	\$ 1,063,434	\$ 1,453,336	\$ 610,362
18	Non-Residential Smart Saver Custom	\$ -	\$ -	\$ -	\$ 2,776,482	\$ 3,514,807
19	Non-Residential Smart Saver - Prescriptive	\$ -	\$ -	\$ -	\$ 7,877,838	\$ 7,863,953
20	Non-Residential Smart Saver Performance Incentive	\$ -	\$ 147,160	\$ 201,559	\$ 267,186	\$ 386,339
21	Small Business Energy Saver	\$ 9,336,274	\$ 8,770,755	\$ 8,858,213	\$ 7,301,790	\$ 5,004,816
22	EnergyWise Home	\$ 13,633,666	\$ 13,125,314	\$ 14,619,512	\$ 15,117,800	\$ 14,221,860
23	EnergyWise for Business	\$ 1,112,815	\$ 1,390,549	\$ 2,108,030	\$ 2,412,880	\$ 1,896,524
24	Commercial, Industrial, & Governmental Demand Response	\$ 1,615,703	\$ 1,523,514	\$ 1,692,473	\$ 1,715,824	\$ 1,837,718
25	Total Energy Efficiency & Demand Side Program Cost (Lines 1-24)	\$ 85,558,746	\$ 92,232,546	\$ 86,641,573	\$ 87,619,068	\$ 80,414,918

26	NC Allocation Factor for EE programs	Listed	85.44%	85.51%	85.56%	85.63%	85.75%
27	NC Allocation Factor for DSM programs	Listed	86.17%	86.16%	86.53%	86.69%	86.34%

		NC Allocated - 12 Months Ended 12/31/2016 (1)	NC Allocated - 12 Months Ended 12/31/2017 (1)	NC Allocated - 12 Months Ended 12/31/2018 (1)	NC Allocated - 12 Months Ended 12/31/2019 (1)	NC Allocated - 12 Months Ended 12/31/2020 (1)
28	Appliance Recycling Program	1 * Lin \$ (117,059)	\$ 4,776.58	\$ -	\$ -	\$ -
29	Appliances and Devices	2 * Lin \$ -	\$ -	\$ -	\$ 1,850,371.47	\$ 2,617,099.41
30	Residential Service – Smart Saver	3 * Lin \$ 5,137,557	\$ 5,952,627.50	\$ 6,133,715.68	\$ 5,490,622.77	\$ 5,588,691.49
31	Energy Efficient Lighting	4 * Lin \$ 13,287,540	\$ 9,324,062.29	\$ 7,488,339.94	\$ 10,270,639.05	\$ 4,618,160.26
32	Neighborhood Energy Saver	5 * Lin \$ 1,753,654	\$ 1,523,082.68	\$ 1,579,230.00	\$ 1,431,193.32	\$ 343,914.32
33	Residential New Construction	6 * Lin \$ 8,036,009	\$ 9,980,291.02	\$ 11,285,434.67	\$ 12,942,627.79	\$ 16,174,364.35
34	Residential Energy Efficient Benchmarking	7 * Lin \$ -	\$ -	\$ -	\$ -	\$ -
35	Residential Home Advantage	8 * Lin \$ -	\$ -	\$ -	\$ -	\$ -
36	Energy Education Program for Schools	9 * Lin \$ 707,000	\$ 714,841.32	\$ 579,088.78	\$ 640,097.22	\$ 332,960.83
37	Multi-Family Energy Efficiency	10 * Lin \$ 1,747,403	\$ 2,150,031.73	\$ 2,061,796.67	\$ 1,846,676.22	\$ 765,144.36
38	My Home Energy Report	11 * Lin \$ 5,032,403	\$ 5,774,505.65	\$ 6,577,826.06	\$ 5,394,326.86	\$ 6,319,531.14
39	Residential Energy Assessments	12 * Lin \$ 1,211,452	\$ 1,593,434.59	\$ 1,584,557.04	\$ 1,810,122.41	\$ 1,852,920.50
40	Save Energy and Water Kit	13 * Lin \$ 576,315	\$ 760,056.35	\$ 706,115.88	\$ -	\$ -
41	Weatherization - Electric	14 * Lin \$ -	\$ -	\$ -	\$ 23,426.11	\$ 44,052.45
42	Business Energy Report	15 * Lin \$ 59,393	\$ 17,383.70	\$ -	\$ -	\$ -
43	Energy Efficiency for Business	16 * Lin \$ 12,097,491	\$ 18,597,886.97	\$ 11,713,348.28	\$ -	\$ -
44	Energy Efficient Lighting	17 * Lin \$ 1,614,525	\$ 1,132,935.88	\$ 909,883.35	\$ 1,244,545.00	\$ 523,412.06
45	Non-Residential Smart Saver Custom	18 * Lin \$ -	\$ -	\$ -	\$ 2,377,603.24	\$ 3,014,102.12
46	Non-Residential Smart Saver Prescriptive	19 * Lin \$ -	\$ -	\$ -	\$ 6,746,080.63	\$ 6,743,686.79
47	Non-Residential Smart Saver Performance Incentive	20 * Lin \$ -	\$ 125,834.21	\$ 172,455.95	\$ 228,801.53	\$ 331,302.53
48	Small Business Energy Saver	21 * Lin \$ 7,976,765	\$ 7,499,722.72	\$ 7,579,163.64	\$ 6,252,789.54	\$ 4,291,850.84
49	EnergyWise Home	22 * Lin \$ 11,747,963	\$ 11,308,498.16	\$ 12,650,326.09	\$ 13,105,769.51	\$ 12,279,063.40
50	EnergyWise for Business	23 * Lin \$ 958,899	\$ 1,198,068.36	\$ 1,824,087.26	\$ 2,091,749.23	\$ 1,637,446.74
51	Commercial, Industrial, & Governmental Demand Response	24 * Lin \$ 1,392,232	\$ 1,312,628	\$ 1,464,504	\$ 1,487,465	\$ 1,586,674
52	Total Energy Efficiency & Demand Side Program Cost (Lines 28-51)	\$ 73,219,542	\$ 78,970,668	\$ 74,309,873	\$ 75,234,907	\$ 69,064,377

(1) NC Allocations are based on annual weighted average, which are employed in the allocation of Utility Cost Test (UCT) results for PPI determination. This differs from the allocation used in Miller Exhibit 2, which allocates actual costs by month.

Evans Exhibit 4
Duke Energy Progress, LLC
January - December 2020 Actuals
January 2021 - December 2022 Estimates
Docket Number E-2, Sub 1273
North Carolina Found Revenues

	Actual/Reported KWH					Estimated KWH		Decision Tree Node
	2016	2017	2018	2019	2020	2021	2022	
Economic Development	40,751,172	217,748,650	43,971,258	53,541,120	54,029,490	-	-	Box 5 - exclude
Lighting								
Residential	21,158	18,164	15,302	872	525	525	525	Box 6 - include
Non Residential (Regulated)	328,140	304,084	111,625	10,984	23,372	23,372	23,372	Box 6 - include
MV to LED Credit - Residential (Regulated)	(460,649)	(456,768)	(2,478)	(1,589)	(543)	(2,994)	(2,994)	Box 6 - include
MV to LED Credit - Non-Residential (Regulated)	(105,415)	(105,982)	(919)	(1,602)	(322)	(1,775)	(1,775)	Box 6 - include
Total KWH	40,534,406	217,508,148	44,094,788	53,549,785	54,052,522	19,128	19,128	
Total KWH Included	(216,766)	(240,502)	123,530	8,665	23,032	19,128	19,128	
Total KWH Included (net of Free Riders 15%)	(184,251)	(204,427)	105,001	7,365	19,577	16,259	16,259	
Annualized Found Revenue - Non Residential	\$ 113,553	\$ 106,296	\$ 55,439	\$ 4,880	\$ 12,028	\$ 11,399	\$ 11,422	
Annualized Found Revenue - Residential	\$ (279,063)	\$ (297,693)	\$ 8,353	\$ (492)	\$ (13)	\$ (1,713)	\$ (1,737)	
	2016	2017	2018	2019	2020	2021	2022	
Vintage 2016 - Non Res	\$ 68,561	\$ 113,553	\$ 69,282	\$ 22,835	\$ -	\$ -	\$ -	
Vintage 2017 - Non Res		\$ 72,644	\$ 106,296	\$ 106,296	\$ 32,792	\$ -	\$ -	
Vintage 2018 - Non Res			\$ 31,247	\$ 55,439	\$ 36,959	\$ -	\$ -	
Vintage 2019 - Non Res				\$ 2,687	\$ 3,706	\$ 1,357	\$ 835	
Vintage 2020 - Non Res					\$ 5,064	\$ 9,609	\$ 9,609	
Vintage 2021 - Non Res						\$ 6,175	\$ 11,399	
Vintage 2022 - Non Res							\$ 317	
Net Negative Found Revenues to Zero*	-	-	-	-	-	-	-	
Subtotal - Non Res	\$ 68,561	\$ 186,197	\$ 206,825	\$ 187,256	\$ 78,520	\$ 17,141	\$ 22,160	
Vintage 2016 - Res	\$ (150,940)	\$ (279,063)	\$ (76,403)	\$ (20,187)	\$ -	\$ -	\$ -	
Vintage 2017 - Res		\$ (160,772)	\$ (199,283)	\$ (173,386)	\$ (78,746)	\$ -	\$ -	
Vintage 2018 - Res			\$ 4,903	\$ 8,353	\$ 5,569	\$ -	\$ -	
Vintage 2019 - Res				\$ (173)	\$ (402)	\$ (223)	\$ (155)	
Vintage 2020 - Res					\$ (26)	\$ 12	\$ 12	
Vintage 2021 - Res						\$ (928)	\$ (1,713)	
Vintage 2022 - Res							\$ (941)	
Net Negative Found Revenues to Zero*	150,940	439,836	270,784	185,393	73,606	1,138	2,797	
Subtotal - Residential	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Found Revenues	\$ 68,561	\$ 186,197	\$ 206,825	\$ 187,256	\$ 78,520	\$ 17,141	\$ 22,160	

* Eliminates the inclusion of total negative found revenues at the Residential level

Duke Energy Progress
System Event Based Demand Response January 1, 2020 - December 31, 2020
Docket Number E-2, Sub 1273

Date	State	Program Name	Event Trigger	Customers Notified /Switches Dispatched	MW Reduction
6/4/2020	NC&SC	DSDR	DMS Testing	NA	107.8
7/15/2020	NC & SC	DEP EnergyWise Home	System Test	9,759/7,227	12.2
7/16/2020	NC&SC	DSDR	DMS Testing	NA	123.2
7/17/2020	NC and SC	DEP DRA	Tariff - Minimum Event	22 Customers / 87 Sites	25.4
7/17/2020	NC & SC	DEP EnergyWise Home	System Test	9,753/7,342	11.4
7/27/2020	NC & SC	DEP EnergyWise Home	System Test	10,958/8739	13.6
7/30/2020	NC&SC	DSDR	DMS Testing	NA	114.5
8/27/2020	NC&SC	DEP EnergyWise Home	System Test	12,625/9,502	15.0
8/27/2020	NC&SC	DSDR	DMS Testing	NA	167.5
9/3/2020	NC&SC	DEP EnergyWise Home	System Test	13,125/9,853	18.0
9/3/2020	NC&SC	DSDR	DMS Testing	NA	178.4
9/14/2020	NC&SC	DSDR	Capacity Needs	NA	157.9
11/19/2020	NC&SC	DSDR	Capacity Needs	NA	129.8
12/8/2020	NC&SC	DSDR	DMS Testing	NA	92.5
12/10/2020	NC&SC	DSDR	DMS Testing	NA	127.9
12/30/2020	NC&SC	DEP EnergyWise Home	Capacity	13,150/18,300	14.1

Energy Efficient Appliances and Devices

A. Description

The Energy Efficient Appliances and Devices program ("Program") offers a variety of measures to eligible Duke Energy Progress, LLC (the "Company") customers to facilitate a reduction in their energy consumption. The Program includes offers for lighting measures, smart thermostats, water measures and other energy efficient measures.

Online Savings Store-

The Duke Energy Savings Store ("Store") is an on-demand ordering platform enabling eligible customers to purchase a variety of energy efficient products for their home. The incentive levels vary by product, and the customer pays the difference. Various promotions run throughout the year, offering customer reduced prices as well as shipping promotions, ranging from free to a reduced flat rate price.

The maximum number of incented products are listed below with the associated limits (per account)

- LED lighting, 36 per account.
 - LED lighting product offering is comprised of - reflectors, globes, candelabra, 3-way, and dimmable bulbs. The incentive levels vary by bulb type.
- Smart thermostats, 2 total
- Water measures, 3 total
- Smart Strips, 4 total
- LED fixtures (direct wires, portable, & outdoor photocell), limit 8 total
- Small appliance, dehumidifiers & air purifiers, limit 2 each total

Customers may choose to order additional products without the Company's incentive.

Product pages include application photos, product images, product specifications, purchase limits, and program pricing. Customers may place items in their shopping carts to purchase at a later time. Customers can pay for their purchases with a credit card or by check.

Save Energy and Water Kit Program

The Save Energy and Water Kit Program ("SEWK") launched in November 2015. The Program is designed to increase the energy efficiency of residential customers by offering customers energy efficient water fixtures and insulating pipe tape for use within their homes.

The SEWK program is offered through a selective eligibility process, enabling eligible customers to request a kit and have it shipped directly to their homes. Customers owning and living in a single-family home with an electric water heater who have not received similar measures through another Company-offered energy efficiency program are eligible for the program. Kits are available in two sizes for homes with one or more full bathrooms and contain varying quantities of shower heads, bathroom aerators, kitchen aerator and insulating pipe tape. Program participants are eligible for one kit shipped free of charge to their home.

Customers are pre-screened based on the eligibility requirements. Marketing channels include both a direct mail business reply card (BRC) and direct email. Customers receiving the BRC may choose to return the BRC, navigate to a redemption website listed on the card, or call a toll-free number to take advantage of the offer. Customers receiving a direct email simply click on a redemption link to redeem the offer online. Upon receiving the order from the customer through one of the methods above, Energy Federation Inc. (EFI), the program vendor, will ship the pre-determined kit to the customer. Due to the unique eligibility requirements of this program, direct mail (BRCs) and direct email are the only two methods being used to solicit customers for participation.

The program has a website in place that customers can access to learn more about the program or to watch videos to aid in installing the kit measures.

Energy Efficient Appliances and Devices

Audience

The Program is available to customers residing in a single-family home with an electric water heater who have not received similar measures through another Company-offered energy efficiency program.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	23,788	18,784	-5,004
Savings (MW)	7.92	2.05	-5.87
Participants		338,776	
Program Expenses		\$3,051,854	

D. Qualitative Analysis

Online Savings Store

Highlights

The Online Savings Store was launched in DEP in Q3 2019 and provides an ecommerce platform that allows customers to purchase a variety of energy efficient products, including LEDs, smart thermostats, smart strips and more, at any time—delivered to their home. In 2020, the program has delivered 94,427 bulbs; 7,313 smart thermostats; 1,943 smart strips; 118 water products, 199 LED fixtures, and 5 small appliances (dehumidifiers) to customers.

Issues

Educating and bringing awareness to the variety of products on the Store to eligible customers.

Potential Changes

The program continues to explore opportunity to facilitate ease of use shopping online as well as additional product offerings for consideration to enhance energy savings.

Save Energy and Water Kit

In 2020, the Program distributed over 234,000 water measures in over 24,000 kits to Duke Energy Progress customers in the Carolinas. These kits delivered approximately 49,488 bath aerators, 24,744 kitchen aerators, 36,819 showerheads, and 123,720 feet of pipe insulation.. Upgraded showerheads accounted for 16% of all showerheads shipped in 2020.

Issues

Potential Changes

The program will be enhancing the standard showerhead included in the kit in effort to increase installation rates and improve customer satisfaction in 2021. Additionally, the program continues to explore opportunities to consider new measures for replacement or upgrade.

E. Marketing Strategy

Online Savings Store

The marketing efforts for the store can include the following:

- bill messages
- bill inserts

Energy Efficient Appliances and Devices

- email campaigns
- direct mail
- and other digital media channels

Awareness and education will continue to be a focus in collateral messages to eligible customers, as well as highlighting great pricing and other promotional offerings such as free shipping.

Save Energy and Water Kit

The overall strategy of the program is to reach residential customers who have not adopted low flow water devices.

Both direct mail marketing in the form of BRCs and direct email are the current marketing channels being utilized by this program in the Carolinas. O Email solicitation and online ordering continue to grow. As a result, the paper and cost associated with traditional mail solicitations continues to decline.

F. Evaluation, Measurement and Verification

Future evaluations for the DEC Online Savings Store/Marketplace Program is tentatively scheduled for a final report date in the fourth quarter of 2021.

Save Energy & Water

The final evaluation was delivered in 2020 and a revised report to account for corrections to the showerheads was presented at the October 2020 Collaborative.

The next evaluation is scheduled to begin activities in mid-2021, with a final report scheduled for mid-2022.

Energy Efficiency Education Program

A. Description

The Energy Efficiency Education Program ("Program") is an energy efficiency program available to students in grades K-12 enrolled in public and private schools who reside in households served by Duke Energy Progress in North and South Carolina. The current curriculum administered by The National Theatre for Children ("NTC") provides performances in elementary, middle and high schools.

The Program provides principals and teachers with an innovative curriculum that educates students about energy, resources, the relationship between energy and resources, ways energy is wasted and ways they can be more energy efficient. The centerpiece of the curriculum is a live theatrical production focused on concepts such as energy, renewable fuels and energy efficiency and performed by two professional actors. Teachers receive supportive educational materials for their classrooms and assignments for students to take home. The workbooks, assignments, and activities meet state curriculum requirements.

School principals are the main point of contact for scheduling their school's performance. Once the principal confirms the performance date and time, all materials are scheduled for delivery two weeks prior to the performance. Materials include school posters, teacher guides, and classroom and family activity books.

Students are encouraged to complete a request form with their family (found in their classroom and family activity book, as well as online), to receive an Energy Efficiency Starter Kit. The kit contains specific energy efficiency measures to reduce home energy consumption. It is available at no cost to eligible Duke Energy customer households at participating schools.

In 2020, many of the aspects of the Energy Efficiency Education program were impacted as a result of the COVID-19 pandemic. All in-school performances ceased as of March 13, 2020. This resulted in the program pivoting and offering livestream performances so school and students could still participate. More details are provided below in section D.

Audience

Eligible participants include the Company's residential customers, with school-age children enrolled in public and private schools, who reside in households served by Duke Energy Progress.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/30/2020	Variation
Savings (MWH)	3,873	1,455	-2,418
Savings (MW)	0.46	0.17	-0.29
Participants		4,382	
Program Expenses		\$388,273	

D. Qualitative Analysis

Highlights

The Company is supporting arts and theatre in schools while providing an important message about energy efficiency for students through an innovative delivery channel. Enhancing the message with a live theatrical production captivates the students' attention and reinforces the classroom curriculum materials provided.

Energy Efficiency Education Program

The spring semester of the 2019-2020 school year brought on unprecedented challenges related to the COVID-19 pandemic forcing schools to close and revert to virtual learning. As a result, live performances ceased on March 13, 2020. Overall, 23 scheduled schools representing close to 7,000 children had to have their performance cancelled. This also impacted the ability to the program administrator to continue outreach to additional schools that may have been interested in having a performance in the Spring months. Despite this, the program provided these schools with an educational video as well as the educational materials that could be accessed via the program website.

After the conclusion of the spring semester, the program began to develop a plan to continue to offer these educational performances via online livestream for all three levels of schooling for the Fall semester. Given the uncertainty around whether or not a school is remote learning or using a hybrid plan, the program would be able to offer time slots to schools to view a live host providing educational information and narrating between four different segments of the theatrical performance that's normally given in schools by professional acting troupes.

Consistent with past years, each performance had content that was appropriate with its educational level. Elementary schools were able to view livestream performances of "Space Station Conservation"; "The Conservation Crew" was made available to Middle schools and High Schools were able to watch "Your Plant, Your Future". Students and teachers also had access to a Q&A with the host and an e-learning package that includes games, quizzes and lesson plans for the class that reinforce concepts from the show.

In addition, students and teachers will still have the ability to request an Energy Efficient kit and download the program's educational gaming app, Kilowatt Krush.

Overall in 2020, a total of 196 schools participated in the program in the Company's DEP service territory, reaching approximately 64,572 students and spurring the distribution of 4,382 kits.

Once an eligible customer submits a completed energy efficiency, the Energy Efficiency Starter Kit is shipped for delivery within two to four weeks.

In order to help encourage student participation, NTC would reward schools \$250 for every 100 Energy Efficient kit requests. Additionally, various rewards for teachers and participating families were offered to encourage additional kit requests.

Updates

The Company continues to enhance the Program by the following:

- Introducing new productions each school year to refresh and refocus the materials and scripts to keep participating schools engaged.
- Promoting the program through social media to encourage awareness, recognition and participation.
- Partnering with Duke Energy Account and District Managers to leverage existing relationships in the community to develop positive media stories while encouraging kit sign ups.
- Offering teacher satisfaction survey evaluations after the performances for all school levels. Survey data from January through December indicated 87% of teachers surveyed had an overall satisfaction of rating of at least 8 on a scale of 1 to 10.
- Enhancing the offering by providing educational materials for all student households, but particularly those that have already received the current Energy Efficiency Starter Kit as well as non-Duke Energy customer student households; both of which are ineligible for an EE Starter Kit.
- Inclusion of the Kilowatt Krush mobile gaming application that will allow users to learn about smart energy use and conservation through an engaging arcade of action-packed, energy themed games. Students build and customize virtual houses in the neighborhood of their choice while learning about energy efficiency and safety education.

Energy Efficiency Education Program

E. Marketing Strategy

The National Theatre for Children is responsible for all marketing campaigns and outreach. The marketing channels may include but are not limited to the following:

- Direct mail (letters to school administrators)
- Email
- In-Person
- Program Website
- Events or assemblies
- Printed materials for classrooms
- Social media promotions

These marketing efforts engage students and their families in energy conservation behavior and provide energy saving opportunities through the Energy Efficiency Starter kits.

F. Evaluation, Measurement and Verification

An evaluation report covering an evaluation period of August 2017 through July 2018 was completed in 2019. Evaluation work is currently underway for the period covering August 2019 – July 2020. The final report is scheduled to be completed in the third quarter of 2021.

A. Description

The Energy Efficient Lighting Program partners with lighting manufacturers and retailers across North and South Carolina to provide marked-down prices at the register to DEP customers purchasing energy efficient lighting products. Participation continues to be high, and the success of this Program can be attributed to high customer interest in energy efficiency, increased knowledge of the benefits associated with energy efficient lighting, and effective promotion of the Program.

The Energy Efficient Lighting Program continues to incentivize customers to adopt a wide range of energy efficient lighting products, including LEDs and fixtures. Customer education is imperative to ensure customers are purchasing the right bulb for the application, to obtain high satisfaction with lighting products and to encourage subsequent purchases.

Audience

The Program is available to residential customers. Customers simply shop for their lighting needs at a wide variety of retail locations. Incentives are provided at the point of purchase.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/30/2020	Variation
Savings (MWH)	11,336	23,936	12,600
Savings (MW)	2.09	4.42	2.33
Participants		1,463,047	
Program Expenses		\$5,995,694	

D. Qualitative Analysis**Highlights**

In 2020, the Program incentivized a total of 1,463,047 measures, including 1,208,839 LEDs and 254,208 fixtures. The DEP Energy Efficiency Program had 15 lighting retail channels actively participating in 2020. While the top five retail channels account for 84% of the Program sales, all retail channels allow access to the Program for a diverse and geographically wide population of DEP customers. The Program is designed to reach 90% of customers within 30 miles of a participating retail location.

The Program continues to operate efficiently with 85% of overall Program costs going directly to customers in the form of incentives. Additionally, a total of 14% of the Program costs are spent on implementation and administration of the Program, including management fees. Therefore, only 1% is spent on marketing, labor and other costs.

Issues

Despite continued success in 2020, potential effects of the COVID-19 pandemic remain on the program's radar. Based on experiences in 2020, impacts included and could continue to include:

- temporary store closures or limited hours impacting opportunity for the program.
- depending on COVID conditions, in-field store visits (training of store staff, proper placement of POP) may be paused to limit exposure of field team in stores for not only their safety, but that of store patrons and staff.
- Continued suspension of in-store and community events promoting the program and its product offering.

The Program continues to monitor this closely while adhering to Duke Energy Customer Engagement Safety Protocols.

Potential Changes

The Program will continue to evaluate the market and adjust products and incentive levels as necessary, focusing on specialty applications and strategically targeting underserved customers through select channels and events.

E. Marketing Strategy

The Program continued marketing efforts in 2020 through the following:

- Point of Purchase materials at the participating retailer locations
- Duke Energy Progress and Program website
- General Awareness Email Campaigns
- Cross-Promotional Opportunities in via internal marketing channels (Other Programs, Residential Newsletters)

In general, marketing efforts are designed to create customer awareness of the Program, to educate customers on energy saving opportunities, and to emphasize the convenience of Program participation.

As a result of the COVID-19 pandemic, the program has suspended its normal events at key retailers as well as community outreach events (national night out, cultural events, etc.) indefinitely. This decision will be evaluated on a regular basis with activities only resuming when appropriate conditions permit.

F. Evaluation, Measurement and Verification

No evaluation activities occurred in 2020. The evaluation for the DEP Retail Lighting Program are tentatively scheduled for a final report date in the fourth quarter of 2021.

EnergyWise Home Program

A. Description

EnergyWise Home ("Program") allows Duke Energy Progress, LLC ("Company") to:

Option 1- install load control switches at the customer's premise to remotely control the following

residential appliances:

- Central air conditioning or electric heat pumps
- Auxiliary strip heat on central electric heat pumps (Western Region only)
- Electric water heaters (Western Region only)

AND/OR

Option 2- enroll a customer's qualified smart thermostat

For each of the appliance options mentioned in item 1, Program participants receive an initial one-time bill credit of \$25 following the successful installation and testing of load control device(s) and an annual bill credit of \$25 in exchange for allowing the Company to control the listed appliances.

For each customer's premise that enrolls their qualified smart thermostat the Program participants receive a one-time initial e-gift card of \$75 following the successful enrollment and an annual e-gift card of \$25 in exchange for allowing the Company to control the enrolled thermostat(s).

Customers cannot be enrolled in both options for the same appliance.

Audience

The Program is available to all of the Company's residential customers residing in owner-occupied or leased, single-family, or multi-family residences. Water heater option is only available in the Western Region only.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	N/A	N/A	N/A
Savings (MW)	27.63	17.81	-9.82
Participants (258,673Devices)		15,862	
2020 Program Expenses		\$14,221,860	

1. MW Savings at the generator include Summer MW for AC participants and Winter MW for Heat Strip and Water Heater Participants

D. Qualitative Analysis

Highlights

After receiving regulatory approval from both the North Carolina Utilities Commission and the South Carolina Public Service Commission late in 2008, the Company officially launched the Program in April of 2009. Comverge, which specializes in integrated demand response solutions, was awarded the contract for the load management system software and switch technology, and GoodCents was awarded the contract for enrollment, field implementation, and call center support.

EnergyWise Home Program

Smart Thermostat Introduction/Option

Winter-focused option was made available November 13, 2020, in North Carolina and a few weeks later in South Carolina as well.

E. Marketing Strategy

The Company continues to deploy Program marketing efforts through various channels that include but are not limited to the following:

- Door-to-door canvassing
- Outbound calling
- Duke Energy Progress website
- Email
- Direct mail (letters and postcards to qualifying customers)

Additional detailed program information is located at <https://www.duke-energy.com/home/products/energywise-home>

F. Evaluation, Measurement and Verification

EnergyWise Home completed a 2019 summer impact study using AMI data (for the first time) and traditional data loggers. The Final Evaluation Study was completed Summer 2020 and presented at the 2nd Quarter Carolinas Collaborative.

Guidehouse estimated impacts at the two cycling levels: 65% cycling impacts estimated at 1.12 kW; 100% cycling impacts estimated at 1.81 kW. Full capacity was estimated at 1.44 kW per participant at 65% cycling and 2.29 kW per participant at 100% cycling.

Evaluation activities are currently underway for the DEP EnergyWise Winter evaluation.

Income-Qualified Programs

A. Description

The purpose of Income-Qualified Programs (Program) for DEP is to assist low income customers with installing energy efficiency measures in their homes that will help reduce their energy cost. There are two offerings currently in the Program:

- Neighborhood Energy Saver (NES)
- Low-Income Weatherization Pay for Performance Pilot

Neighborhood Energy Savers

The purpose of Duke Energy Progress's ("DEP") Neighborhood Energy Saver program (the "Program") is to reduce energy usage through the direct installation of energy efficiency measures within the households of income-qualified residential customers. The Program utilizes Honeywell Building Solutions, which was awarded the contract through a competitive bid process, to (1) to identify appropriate energy conservation measures through an on-site energy assessment of the residence, (2) to install a comprehensive package of energy conservation measures at no cost to the customer, and (3) to provide one-on-one energy education. Program measures address end-uses in lighting, refrigeration, air infiltration and HVAC applications.

Program participants receive a free energy assessment of their homes followed by a recommendation of energy efficiency measures to be installed at no cost to the resident. A team of energy technicians install applicable measures and provide one-on-one energy education about each measure, emphasizing the benefit of each and recommending behavior changes to reduce and control energy usage. The goal is to serve a minimum of 4,500 households each year. NES participants may have the measures listed below installed in their homes based on the opportunities identified during the energy assessment.

1. Energy Efficient Bulbs - Up to 15 energy efficient bulbs (LEDs) to replace incandescent bulbs
2. Electric Water Heater Wrap and Insulation for Water Pipes
3. Electric Water Heater Temperature Check and Adjustment
4. Water Saving Faucet Aerators - Up to three faucet aerators
5. Water Saving Showerheads - Up to two showerheads
6. Wall Plate Thermometer
7. HVAC Winterization Kits – Up to three kits for wall/window air conditioning units will be provided along with education on the proper use, installation and value of the winterization kit as a method of stopping air infiltration.
8. HVAC Filters - A one-year supply of HVAC filters will be provided along with instructions on the proper method for installing a replacement filter.
9. Air Infiltration Reduction Measures - Weather stripping, door sweeps, caulk, foam sealant and clear patch tape will be installed to reduce or stop air infiltration around doors, windows, attic hatches and plumbing penetrations.

Pay for Performance

The Low-Income Weatherization Pay for Performance Pilot Program (Pilot) in Buncombe County North Carolina provides monetary incentives to local weatherization assistance providers and other non-profit organizations involved in weatherizing residential low-income households. Incentive payments is based on the kilowatt-hours (kWhs) saved from the additional Energy Efficiency (EE) measures installed. EE measures such as attic or wall insulation, air sealing, refrigerator replacement, lighting, or water measures could qualify for the incentives. The Pilot seeks to provide additional funding to weatherization assistance organizations that would allow them to extend EE more deeply into the projects they undertake. This is likely to include the deployment of additional EE measures that may or may not be covered by traditional weatherization assistance organizational funding, but it could also include weatherization of additional homes. The Pilot is proposed for a 36-month period and limited to dwellings in the Buncombe County area.

Income-Qualified Programs

Audience

Neighborhood Energy Savers

The Program is designed for individually metered residential homeowners and tenants within DEP. Implementation of the program is done in neighborhoods designated by DEP. Income-eligible neighborhoods must have at least 50% of households with income equal to or less than 200% of the poverty level set by the U.S. Department of Energy. Participants are only able to participate in the Program once.

Pay for Performance

Eligible participants will be selected by participating weatherization assistance and other non-profit organizations using current United States Department of Energy Low Income Home Energy Assistance Program grant requirements (must be less than 200% of the federal poverty guidelines, with the number of disabled, elderly, and minors in the household taken into consideration, as well as a high energy burden).

B & C. Impacts, Participants and Expenses

Neighborhood Energy Saver

2020 YTD Results	Annual Forecast	Actual at 12/30/2020	Variation
Savings (MWH)	2,280	505	-1,774
Savings (MW)	0.35	0.07	-0.28
Participants		617	
2020 Program Expenses		\$ 401,046	

Weatherization - Electric

2020 YTD Results	Annual Forecast	Actual at 12/30/2020	Variation
Savings (MWH)	0	108	108
Savings (MW)	0.00	0.02	0.02
Participants		1,067	
2020 Program Expenses		\$ 51,370	

D. Qualitative Analysis

Highlights

Neighborhood Energy Savers

After receiving regulatory approval from both the North Carolina Utilities Commission and the South Carolina Public Service Commission in the fall of 2009, the Program was officially launched by the Company in November 2009. The yearly goal has been to serve a minimum of 4,500 households. Honeywell Building Solutions was awarded the contract through a competitive bid process to administer the Program.

The Program started 2020 offering free walk-through energy assessments and installing measures in the homes of customers in an Erwin NC neighborhood. Work stopped in March 2020 due to the Covid-19 virus pandemic and the program is still waiting on authorization to resume. Work is anticipated to resume in the first quarter of 2021.

The program has been very successful and widely accepted by the eligible Duke Energy Progress

Income-Qualified Programs

customers. Nearly 70 percent of the eligible customers in the neighborhoods where the program has been offered have participated.

Pay for Performance

The Program received North Carolina Utility Commission approval on November 27, 2018. Since receiving program approval two vendors have been participating in the program. Community Action Opportunity signed a contract on January 28, 2019 and Green Built Alliance did the same on April 24, 2019. Initial orientation and startup went very well with both vendors and both vendors are regularly submitting invoices for incentive payments. Both vendors stopped work in March 2020 due to the Covid-19 virus but resumed their field work in June 2020. Since returning to field operation the vendors have experienced minimal Covid-19 issues. The program has had good participation and both vendors see themselves increasing their level of participation in the future.

Since inception and through December 2020 the program has paid \$38,288.36 in rebates; served 203 homes; and rebated 2,441 measures.

Issues

Neighborhood Energy Savers

The program continues to operate with minimal issues. The implementers are constantly striving to install the best quality measures and to use techniques that will motivate better customer behavior responses and participation.

Pay for Performance

The Program started off smoothly without any major issues. During the initial stages Green Built Alliance experienced challenges verifying client eligibility. Also, the measures they have been able to seek incentive payments for have been limited because of the skills of the mostly volunteer workforce they use. Otherwise there are no issues of concern.

Potential Changes

The NES Program received authorization to begin offering in 2020 some additional measures to income-qualified customers with high energy burdens in the designated NES neighborhoods. This addition to the program is ready to begin as soon as the program resumes its field operation and has an annual goal of 640 homes. Based on the opportunities identified during the energy assessment the customers could be eligible to receive the following measures:

1. Attic insulation
2. Duct Sealing
3. Air Sealing w/Blower Door
4. Floor/Belly Insulation in Mobile Homes
5. Smart Thermostat

E. Marketing Strategy

Neighborhood Energy Savers

Current methods of marketing the program have been very successful in driving participation. The Company will continue the following marketing strategies in 2018:

- Direct mail (letters and postcards to qualifying customers)
- Secure local support from community leaders and organizations

Income-Qualified Programs

Community outreach events
Publicized kickoff events
Door-to-door canvassing

These marketing efforts are designed to create customer awareness of the Program, educate customers on energy saving opportunities and emphasize the convenience of Program participation.

F. Evaluation, Measurement and Verification

No evaluation activities for Pay for Performance was conducted in 2020.

The previous evaluation for the Neighborhood Energy Saver portion of the Program was completed late in the fourth quarter of 2019. The next evaluation, which will cover the period July 2018 –June 2019, is scheduled to begin in the first quarter of 2021. The final report is scheduled for completion in the fourth quarter of 2021.

A. Description

My Home Energy Report ("MyHER") helps Duke Energy Progress ("DEP") customers put their energy use in perspective with simple and easily understood graphics that compare customers' energy use with homes of similar size, age and heating source. The reports motivate customers to change their behaviors and reduce their consumption by presenting them with timely tips and program offers.

My Home Energy Report Interactive links customers to a portal where they can complete a home profile, set savings goals and track their progress, get answers to their personal energy questions from an energy expert, and share their energy saving tips with other customers. Customers can also see how much electricity they might use in the coming months based on their usage history.

Audience

Program participants are identified through demographic information and must reside in an individually metered, single-family residence served on a residential rate schedule and must have at least 13 months of electric usage with the Company. These customers receive up to 8 paper reports per year. Electronic versions of the report are distributed 12 times a year for customers who have enrolled in My Home Energy Report Interactive and/or who have a registered email address with the Company.

Customers who live in an individually metered, multi-family dwelling served on a residential rate schedule and who have at least 13 months of electric usage with the Company may also participate. Multi-family customers who have registered their email address with the Company receive 4 printed reports and 12 electronic reports throughout the year. Multi-family customers without a registered email address with the Company receive 6 printed reports throughout the year with a strong call to action to provide their email address to receive more energy efficiency tips and information through additional reports delivered.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	116,046	154,961	38,915
Savings (MW)	19.59	54.39	34.81
Participants		769,399	
Program Expenses		\$7,369,336	

D. Qualitative Analysis

As of December 31, 2020, over 705,000 DEP single-family customers and 64,000 multifamily customers were receiving the MyHER, and over 67,500 DEP single-family customers and over 4,900 multifamily customers were enrolled in the MyHER Interactive portal.

Highlights

In 2020, the program continued the Pilot of new AMI usage charts on the eHERs which show customers the difference in average weekly usage by hour from one month to the next. Feedback continues to be positive.

E. Marketing Strategy

Since the MyHER paper report is an opt-out program, customers who meet the eligibility requirements automatically receive the report. Less than 0.03% of single-family customers and .11% of multi-family chose to opt out. The MyHER Interactive portal is an opt-in portal. Marketing for the portal includes email campaigns and messages in the paper report and on its envelope.

In 2020, the program continued its email and on-report marketing campaigns to further awareness of

the interactive portal. These campaigns resulted in an increase of over 14,700 customers enrolling in the interactive portal.

F. Evaluation, Measurement and Verification

The process and impact evaluation report, combined with DEC, was completed and presented to the Carolinas Collaborative in 2019.

An evaluation covering the period Jan 2020 – Dec 2020 will begin in Q1-2021 and is planned for completion in Q4-2021.

Residential Smart \$aver® Energy Efficiency Program

A. Description

The purpose of this Program is to offer customers a variety of energy conservation measures that increase energy efficiency in existing residential dwellings. The Program utilizes a network of participating contractors to do the following: (1) to encourage the installation of high efficiency central air conditioning (AC) and heat pump systems with an optional add on measure such as Smart Thermostats, (2) to encourage attic insulation and sealing, (3) to encourage the installation of heat pump water heaters, and (4) to encourage high efficiency variable speed pool pumps.

Incentives are only applicable to measures installed by a contractor approved by Company.

Duke Energy contracts with a third-party vendor for application processing, incentive payment disbursement, and customer/contractor support.

Audience

The Program is available to customers whose premise is at least one year old, who are served on a residential rate, and who meet the service delivery qualifications.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	5,635	6,893	1,258
Savings (MW)	1.97	1.92	-0.05
Participants		22,411	
Program Expenses		\$6,517,089	

D. Qualitative Analysis

Highlights

The Program's tiered incentive structure continues to receive a positive reaction from customers as well as Trade Allies. Reporting continues to show that the higher incentive amounts for greater SEER equipment has encouraged customers to have higher efficiency equipment installed properly and managed well.

The Referral Channel, which provides free, trusted referrals to customers who are trying to find reliable qualified contractors, has successfully generated 4801 Duke Energy Progress customer referrals in 2020. Despite COVID-related concerns during the first half of 2020 resulting in 50% reduction in referrals generated, referrals rebounded somewhat and ended the year with a 17% decrease from 2019. Customers were asked to rate their experience with the Referral Channel. The Referral Channel has remained steady with average star ratings 4.71 for 2020.

The Smart \$aver® incentive program has continued strong results during 2020. Duke Energy Progress participation increased 4% when compared to 2019.

Issues

The participation of the Trade Ally network is vital to the success of the Program. Our outreach team will continue to reach out and gain acceptance, however, the market uncertainty and COVID-related concerns remain the prevailing issue.

The program will continue to place emphasis on best practices and continue offering additional training to the Trade Allies and modifications to program requirements when needed to build support.

Residential Smart \$aver® Energy Efficiency Program

E. Marketing Strategy

Promotion of the rebate Program is targeted towards HVAC and home performance contractors as well as pool and plumbing contractors that install variable speed pumps and heat pump water heater technology.

Program information to educate customers about the Program and encourage participation and Trade Ally enrollment links are available on the Program's website. Increasing the overall awareness of the Program and the participation of Trade Allies ensures more customers are considering the benefits of the Program at the time of purchase. Point of Sale marketing materials have been placed in Lowe's and Home Depot stores that allow customers to download coupons and take advantage of instant rebates at time of purchase. The Midstream channel has also been used to promote Pool Pump rebates through one national distributor along with local pool retailers throughout NC/SC.

Various customer marketing campaigns during the first half of 2020 were halted, again due to COVID concerns, but restarted in July which drove referral participation back up. Our marketing leverages channels such as TV, radio, social media and email messaging in order to build awareness of the referral service. Other marketing efforts, such as paid search and co-branded special offer campaigns with eligible referral contractors, manufacturers, and national retailers, also aided in the rebound of referral generation in the last quarter of 2020.

F. Evaluation, Measurement and Verification

No evaluation activities were completed in 2020. The evaluation for the HVAC measures is scheduled for evaluation work to begin in mid-year 2022, with a completion date in mid-2023. The timeframe for a final report has been pushed out one year to allow additional participation in the referral component of the program.

A. Description

The Home Energy House Call Program ('Program') is offered under the Energy Assessment Program where Duke Energy Progress, LLC ('Company') partners with several key vendors to administer the Program.

The Program provides a free in-home assessment performed by an energy specialist certified by the Building Performance Institute ('BPI'). The BPI-certified energy specialist completes a 60- to 90-minute walk through of a customer's home and analyzes energy usage to identify energy savings opportunities. The energy specialist discusses behavioral and equipment modifications that use less energy. The customer also receives a customized report identifying actions the customer can take to increase their home's efficiency. The following are examples of recommendations that might be included in the report:

- Turn off vampire load equipment when not in use.
- Use energy efficient lighting.
- Use a programmable thermostat to manage heating and cooling usage.
- Replace old equipment.
- Add insulation and seal the home.

In addition to a customized report, customers receive an energy efficiency starter kit with a variety of measures that can be directly installed by the energy specialist. The kit includes measures such as energy efficient lighting, a shower head, faucet aerators, outlet/switch gaskets, weather stripping and a booklet of energy saving tips.

Additionally, bath aerators and pipe wrap are also available for free at the time of the assessment. New discounted measures may be purchased and installed during the assessment including LED specialty lighting (i.e. globes, candelabra and recessed), hand-held showerhead, smart thermostats and a blower door test.

Audience

Residential customers that own a single-family residence with central air, electric heat or an electric water heater and that have at least four months of billing history are eligible to participate in the Program.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	6,867	7,151	285
Savings (MW)	0.82	0.86	0.04
Participants		42,902	
Program Expenses		\$2,160,729	

D. Qualitative Analysis Highlights

The Company continues with a multi-channel approach which includes Duke Energy website pages, website banners, online services banner, paid search campaigns, Facebook, email, bill inserts, bill messages, direct mail, and customer segmentation to reach customers with a high propensity to participate. Program staff explores other channels for marketing campaigns to reach the target audience and maximize both program performance as well as customer experience.

Vendors, partners and the team at Duke Energy collaborate regarding marketing initiatives, future scheduling, availability, routing, targeting, backlog, etc. to drive efficient operations as well as customer satisfaction

Through December 2020, the program conducted 5,926 assessments and installed 20,250 additional

LEDs.. The program additionally installed 6,421 feet of pipe insulation and 2,057 additional bathroom aerators. Beginning in August 2020, the program began offering new discounted measures, the program installed; 2,271 specialty LED globes, 1,809 recessed bulbs, 3,916 candelabra LEDs and 202 hand-held showerheads. Beginning in November 2020, 50 Smart Thermostats were installed to eligible customers. The program continues to focus on maximizing measures installed as well as cross promoting other Duke Energy programs and offerings.

Enhancements to the program in 2020 include a continuing focus on cross promotion of other programs and integration of in-field referrals for FindItDuke (FID),

Issues

The program was shut down in mid-March through late June due to the Covid pandemic in 2020. Duke worked collaboratively with the vendor to build safety protocols, procedures and use of Personal Protective Equipment (PPE) into the assessment process for the relaunch in June. Additionally, the program was shut down again during the holidays (December) to limit risks for customers and the vendor during the high Covid transmission period which impacted the overall performance of the program. Also, the program delayed the training and launch of the blower door measure in 2020, due to the Covid pandemic and additional time required in the home. The program continues to coordinate closely with the vendor to monitor incoming demand, to balance marketing and to ensure adequate appointment slots are available.

Potential Changes

- Continuing to optimize the online scheduling tool to enhance the customer experience
- Including townhomes/condos for audit eligibility
- Implementing post audit follow up with reminders of recommendations/referrals

Currently, Program implementers are evaluating the need for a plan to obtain customer feedback proactively and identify improvement or EM&V opportunities.

E. Marketing Strategy

The Program continued to use a multichannel marketing approach including targeted mailings to pre-qualified residential customers, bill inserts, online promotions and online video. For those who elect to receive offers electronically, email marketing is used to supplement direct mail. The Program management team continues to explore additional channels to drive awareness such as social, event marketing and other cross-promotional opportunities. The creative team continues to drive engagement and interest in the program based on online survey results and enrollment. In between larger initiatives, such as bill inserts, the program utilizes direct mail which can easily be modified based on demand. Core messaging is simple and focuses on key benefits (a free energy assessment from Duke Energy can help save energy and money while also increasing comfort) and three easy steps (You Call, We Come Over, You Save).

Home Energy House Call program information and an online assessment request form are available at www.duke-energy.com.

F. Evaluation, Measurement and Verification

To accommodate the additional measures now included in the energy assessment program and to work around the program suspension due to COVID, the evaluation timeframe has been pushed back to cover the period Sept 2020 – Aug 2021. The activities will begin in earnest in Fall 2021 with a final report scheduled for First Quarter 2023.

It is anticipated that the evaluation will consist of a billing analysis that will compare the consumption of program participants to future program participants. Engineering estimates for the kit measures will also be conducted to provide insight into the behavioral impacts achieved through the program and to provide impacts for the Additional Bulbs and other optional measures provided to program participants.

Residential Energy Assessments

Participants surveys will be used to determine in-service rates and determine free ridership at the measure level.

The process evaluation will consist of participant surveys which will identify barriers to participation, improve program processes and assess overall participant satisfaction.

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Residential New Construction

A. Description

The purpose of this Program is to incent new construction that falls within the 2018 North Carolina Residential Building Code to meet or exceed the 2018 North Carolina Energy Conservation Code High Efficiency Residential Option("HERO"). If a builder or developer constructing to the HERO standard elects to participate, the Program offers the homebuyer an incentive guaranteeing the heating and cooling consumption for the dwelling's total annual energy costs. Additionally, the Program incentivizes the installation of high-efficiency heating ventilating and air conditioning("HVAC") and heat pump water heating ("HPWH") equipment in new residential construction.

Audience

The Program is available to builders and developers installing high-efficiency HVAC and HPWH equipment in new single family, manufactured, and multi-family residential housing units that are served under any of the Company's residential rate schedules.

The program is also available to builders and developers of new single family and multi-family residential dwellings (projects of three or fewer stories) that comply with all requirements of the 2018 HERO standard and are served under any of the Company's residential schedules. Manufactured housing, multi-family residential housing projects over three stories in height, and any other dwellings which do not fall within the 2018 North Carolina Residential Building Code, are not eligible for any whole-house incentives.

The Program also supports the initial homeowner for any home constructed to meet or exceed the HERO standard when the builder or developer elects to extend a heating and cooling energy usage guarantee to the homeowner. At the sole option of the builder or developer, homeowners may be offered a Heating and Cooling Energy Usage Limited Guarantee for homes with a HERS Index Score verified by a certified HERS rater calculating the heating and cooling energy usage that the home should use during an average weather year.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	15,992	20,008	4,016
Savings (MW)	4.61	5.36	0.75
Participants		16,844,791	
2020 Program Expenses		\$18,861,261	

D. Qualitative Analysis

Highlights

The Program move to a whole-house incentive structure which pays incentives to builders for HERO-compliant homes based solely on annual kWh savings continues to drive builders toward increasing savings. The Program requested approval from RESNET to offer 34 courses online for rater CEU's and was approved. The Program has provided on-site instruction to over 400 builders and trade allies.

Currently there are 580 builders and 28 approved raters registered in the Program. For 2020 the Program invoiced homes for 342 builders from 22 raters. ICF is responsible for the operational oversight of Home Energy Raters and builders or developers participating in the Program. For 2020 Program was able to complete 12 rater trainings, 2 Whole-home trainings, and performed 3 one-on-one builder walk thru on rough inspections.

Residential New Construction

Whole-House Requirement	Eligibility	Incentive
HERO	Meet 2018 NCECC HERO standards	\$750
HERO plus HERS Score	Meet HERO standards and submit confirmed annual kWh savings from the Energy Summary Report.	\$0.90/kWh
	Equipment Description	Incentive
Tier 1	AC or heat pump with SEER (Seasonal Energy Efficiency Ratio) of 14 or greater but less than 15. The HVAC system must meet the Quality Installation Standard of 90%. High Efficiency Heat Pumps: The unit(s) shall be a minimum SEER of 14 with ECM. High Efficiency Central AC: The unit(s) shall be a minimum SEER of 14 with ECM.	\$250 per unit
QI	Quality Installation Standard (Optional for Tier 2).	\$75 per unit
Tier 2	AC or heat pump with SEER of 15 or greater.	\$300 per unit
Heat Pump Water Heater	ENERGY STAR qualified HPWH(s) with minimum Energy Factor of 2.0.	\$350 per unit

Issues

With the uptick in townhome construction Program is working to increase trainings to educate builders on pathway to compliance. While the North Carolina building code has specific requirements for fire-rated assemblies, there are different approaches being used to meet these requirements, and the acceptance and interpretations of these assemblies differs among code officials by jurisdiction. To assist builders, Program staff will work with various resources to identify code compliant separation wall assemblies and accepted air sealing methods. This information will provide builders and raters recommendations that will not only meet the code but also increase compliance with program standards. Program is partnering with NCBPA to perform technical research in support of the Program's interests identifying townhome and multifamily assembly air sealing practices that meet or exceed minimum code and program requirements. BASF will provide technical support and research and development resources on an as-needed basis. Suppliers including Dow, Knauf Insulation and others will participate on an as-needed basis.

Potential Changes

The Program is considering modifying the incentives and eliminating non-cost-effective measures and measures that are no longer applicable. Those changes may include the following:

- Remove Quality Installation and Heat Pump Water Heater measures, as they are typically included when building to HERO standards and rarely implemented on a stand-alone basis.

Residential New Construction

E. Marketing Strategy

The Company drove awareness in 2019 through various marketing channels that include but are not limited to the following:

- Duke Energy Progress website
- Community outreach events/HBA Parade of Homes
- Social media promotions

These marketing efforts are designed to create customer awareness of builders participating in the Program and to educate customers on the quality, comfort and energy savings these homes offer. Please see Appendix for examples.

F. Evaluation, Measurement and Verification

Evaluation of the Program began in December for years 2018 thru 2020. It is anticipated that evaluation will be completed late in 2021 with a final report early 2022.

G. Appendix

BEST HOUSE WARMING GIFT EVER

Another investment won't help you save money. Choose a new high-performance, energy-efficient home, and you'll get a welcome gift that keeps giving over 30 years.

A Duke Energy Progress Premier Home meets stricter requirements that make it at least 15 percent more energy efficient than homes built to standard building codes. And saving energy saves you money.

Lower operating costs are just the beginning. You'll also enjoy:

- Enhanced indoor comfort
- Improved air quality
- Increased property value
- Peace of mind

Learn more at duke-energy.com/premierhome

WALL-TO-WALL SAVINGS AND QUALITY

TIGHTER BUILDING SHELL
Air leaks around pipes and air ducts can make a home uncomfortable and drive up utility bills. In an energy-efficient home, better sealing ensures your home is at least 20 percent tighter than building code requirements.

BETTER HVAC DUCTS
Your new home will have heating, ventilation and air conditioning duct systems that perform about 33 percent more efficiently than those designed to building code standards. That means the right amount of air reaches every room in your home.

HIGH EFFICIENCY WINDOWS
A special invisible coating on low-e (low emissivity) windows helps keep your home cool in summer and warm in winter. Plus, these windows help protect carpets, drapes and furnishings from the fading effects of sunlight.

A GUARANTEE OF ENERGY SAVINGS
Many Premier Homes qualify for a three-year Heating and Cooling Energy Usage Limited Guarantee. Be sure to ask your builder for details.

A Duke Energy Progress Premier Home has high-performing features built in from the ground up.

Premier Home
Designed to Inspire
DUKE ENERGY PROGRESS

For more information, including a list of qualified builders, visit duke-energy.com/premierhome

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A. Description

The Multifamily Energy Efficiency program ("Program") provides energy efficient lighting and water measures to reduce energy usage in multi-family properties. The Program allows Duke Energy Progress ("Company") to target multi-family apartment complexes with an alternative delivery channel. The measures are installed in permanent fixtures by Franklin Energy, the program administrator. Franklin Energy oversees all aspects of the Program including outreach, direct installations, and customer care.

The Program helps property managers save energy by offering energy efficient lighting and water products. The Program offers LED lighting measures including A-Lines, globes, candelabras, recessed, and track bulbs, and water measures such as bath and kitchen faucet aerators, water saving showerheads, and pipe wrap. Water measures are available to customers with electric water heating. These measures assist with reducing maintenance costs while improving tenant satisfaction by lowering energy bills.

The Program offers a direct install ("DI") service by Franklin Energy. Franklin Energy installs the lighting and water measures during scheduled visits. Crews carry tablets to keep track of which measures are installed in each apartment.

After the installation, Quality Assurance ("QA") inspections are conducted on 20 percent of the properties that completed installations in each month. The QA inspections are conducted by an independent third party. Any QA adjustments are provided to the Company to update participation records.

Audience

The target audience is property managers who have properties served on an individually metered residential rate schedule. To receive water measures, apartments must have electric water heating.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	14,539	2,817	-11,722
Savings (MW)	1.85	0.37	-1.48
Participants		69,966	
Program Expenses		\$892,251	

D. Qualitative Analysis**Highlights**

Through March 2020, the Program completed installations at 40 properties, accounting for over 4,756 units. The Program installed 50,108 measures with lighting measures representing 72 percent of the total number of installations and 19,858 water measures representing 28 percent. Of the lighting measures, the program installed over 33,600 A-lines, over 7,800 Candelabras, over 5,400 Globes, 1,700 Recessed and 1,400 Track LED bulbs. The water measures consisted of over 6K aerators, over 10K feet of pipe wrap and over 3K Showerheads.

Issues

In early 2021, the Program is planning to add 1.25 GPM showerheads and discounted Smart Thermostats to the program.

New technology enhancements are being implemented to increase the accuracy of recording the measures installed and the bulb wattages removed, to increase efficiencies with scheduling units, and to improve the tracking of new opportunities from both the direct installers and energy advisors.

The program will continue to implement new Covid safety protocols and processes in preparation for

relaunch in 2021.

Potential Changes

Program Management continues to evaluate new energy efficient measures for addition to the program.

New technology enhancements are being implemented to increase accuracy of recording measures installed, bulb wattages removed, increase efficiencies with scheduling units, and improved tracking of new opportunities from both the direct installers and energy advisors.

E. Marketing Strategy

As program implementer, Franklin Energy is responsible for marketing and outreach to property managers in the Company's service territory. Marketing is primarily done through outbound calls and on-site visits to gauge initial interest in the program. The Program also uses local apartment association memberships to obtain access to contact information for local properties and to attend association trade shows and events to promote the program.

A Multi-Family Energy Efficiency public website landing page is available for property managers to learn more about the Program. A program brochure and a frequently asked question sheet are available for download.

Other ways a property manager may learn more about this Program are through the MyDuke Portal, an online tool used to pay the utility bills of vacant units at their property. The MyDuke Portal presents a promo link that directs the user to the Program website for more information.

Once enrolled, Franklin Energy provides property managers a variety of marketing tools to create awareness of the Program among their tenants. The tools include letters to each tenant informing them of what energy efficient measures are being installed and when the installations will take place. Tenants receive educational leave-behind brochures when the installation is complete.

Feedback from both property managers and tenants is important for the Program's continued success. Property managers are provided with leave-behind materials about the program which also includes survey for them to complete and return. For tenants, the educational leave-behind brochure includes a satisfaction survey to return to Duke Energy. Online versions of both the Program Manager and Tenant surveys are also available.

After the installation, window clings are placed in strategic areas throughout the property. Placement of the window clings at a minimum will be at the common areas entry and each residential building on site (to the extent applicable). Using the window clings ensures that the program and Duke Energy are recognized long after the installation has taken place.

F. Evaluation, Measurement and Verification

The combined DEC/DEP EM&V evaluation was completed in April 2020, covering the period from January 2017 - May 2018. The evaluation determined the net annual energy and demand associated with the program participants and found that reported gross savings were 21% higher than verified. The evaluation used a combination of surveys, on site data collection, a lighting logger study, and engineering analysis to determine the impacts for the program. The free ridership was estimated at 7% with very limited spillover, for an overall NTG of 93%.

G. Appendix

Tenant Post Installation Summary Report

Multifamily Energy
Efficiency Program**Thank You for Participating in the Duke Energy
Multifamily Energy Efficiency Program!**

Together with your neighbors, you helped Duke Energy provide and install energy-saving products in your home. Doing so is good for the environment AND your power bill!

As a result of your participation, the average unit could see energy savings of around **[\$XXX]** every year.*

Our community could save **[XX]** kilowatt-hours annually, which is the environmental equivalent to planting **[XX]** trees or taking **[XX]** cars off the road!



Please take Duke Energy's survey by scanning this QR code:



*Actual savings will vary by floor plan and usage.
©2019 Duke Energy Corporation

Program Brochure-

Updated to add Commercial Offerings partnership and new water measures

FAQ for Property Managers

What does the install process look like?

On your scheduled installation days, our team will arrive at 8:45 a.m. to begin working by 9 a.m. A member of your staff will need to accompany our installers and handle keys throughout the installation process. The time spent in each unit varies depending on the layout and products being replaced. We will leave a flyer for each resident explaining what was installed and a survey providing an opportunity to give us feedback. It's that simple and that fast!

How do we qualify?

Your property's electric utility must be Duke Energy to qualify. Additional qualifications depend on several factors such as metering, existing products, and method for water heating. To see which offerings your property qualifies for, you will need to schedule a complimentary energy assessment with one of our Energy Advisors by calling 888.297.1671 or emailing dukeenergymultifamily@franklinenergy.com.

How much does it cost?

NOTHING! This program is part of many programs Duke Energy offers its customers from funds set aside to help reduce energy use. There are two parts to our program: residential (inside tenant units) and commercial (common areas). There are no limits on how many products we can install. Your Energy Advisor will go over your qualifications during the energy assessment.

What safety precautions should we know before installation?

As we are going through the units, if there are any unsecured pets or unattended minors, we will not be able to enter to perform the installation. During product installation, we ask that all small children be kept at a safe distance from the installers. The installers will provide further direction once on-site.

What is the next step?

Call 888.297.1671 or email dukeenergymultifamily@franklinenergy.com to schedule an appointment for an energy assessment.



Contact us today!

Phone 888.297.1671 Website duke-energy.com/multifamily
Email dukeenergymultifamily@franklinenergy.com

Multifamily Energy Efficiency Program



It's what's on the inside that counts.

Our FREE energy-saving lightbulbs and water-saving devices can help your tenants save money.

This program is administered by Franklin Energy, a contractor of Duke Energy with experience in the installation of home energy-saving products.
©2019 Duke Energy Corporation

Note that this program is administered by Franklin Energy, a contractor of Duke Energy with experience in the installation of home energy-saving products.
©2019 Duke Energy Corporation



Start saving now with the latest FREE energy-saving products.



Multifamily Energy Efficiency Program

If you are a Duke Energy customer, your tenants may receive the following energy-saving products – installed in each multifamily unit and qualifying common areas at no cost.

Standard, Globe, Candelabra, Recessed and Track LEDs



Use up to 90% less energy and can save at least \$80 over their lifetime in energy costs compared to traditional incandescent bulbs. A popular residential option, ENERGY STAR® light-emitting diodes, or LEDs, can be installed in bathrooms, track lights, ceiling fans, recessed lights and other high-usage permanent fixtures.

Exit Sign LEDs



Exit signs are necessary to keep us safe. We can help you save on operating and labor costs by replacing incandescent exit sign bulbs with LEDs.



See what other property managers had to say.

You guys got top marks

"I received the satisfaction survey and filled it out. You guys got top marks. I received a lot of compliments about how friendly and professional you all were. Thank you again for all that you did!"

- Asheville Property Manager

They were so polite and professional

"I just wanted to let you know that your team did a wonderful job installing the energy-saving products. They were so polite and professional, which made the residents feel more at ease with the installation. I really appreciate all the hard work that went into making this project run so smoothly. We are now officially energy efficient!"

- Raleigh Property Manager

The program has been a huge success and very much appreciated

"The thing that stood out most for me is your willingness to contact all property managers in my district. You took control of the program and scheduled each property efficiently and effectively, resulting in less work for each property. The program has been a huge success and very much appreciated by the management company, properties and our residents. Thank you for your hard work!"

- Durham Property Management Company

Bathroom and Kitchen Faucet Aerators



Use up to 55% less water than traditional 2.2-gallons-per-minute (gpm) faucets, which can reduce water and sewer costs, as well as the amount of energy used to heat the water.*

Outer ring allows for adjustable flow



*If water is heated by electricity, savings are not guaranteed.

Water-saving Showerheads



Use up to 40% less water than traditional 2.5-gpm showerheads, which can reduce water and sewer costs, as well as the amount of energy used to heat the water.*

Outer ring allows for adjustable flow



Hot Water Pipe Wrap



Reduces water and energy use by preventing heat loss while hot water travels through your building's pipes.*

This program is administered by Franklin Energy, a contractor of Duke Energy with experience in the installation of home energy-saving products.
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Sorry We Missed You
Door post-it



BUILDING A SMARTER ENERGY FUTURE®

Sorry We Missed You!

Today we stopped
by to install your
**free energy-saving
products**, but



Don't worry—you can still get your
products! Simply contact your property
manager to find out how.

Learn more at duke-energy.com/multifamily. Note that this program is administered by Franklin Energy, a contractor of Duke Energy with experience in the installation of home energy-saving products.

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Property Manager Direct Mail Piece



Start saving now with the latest
FREE energy-saving products.

Sign up today!

Phone 888.297.1671 | Website duke-energy.com/multifamily
Email dukeenergymultifamilyeep@franklinenergy.com



Our **FREE** energy-saving lightbulbs
and water-saving devices can help
your tenants save money!



Address
City, ST ZIP XXXXX

Use less energy, help your tenants save money and receive **FREE** products throughout your property by signing up for the Duke Energy Multifamily Energy Efficiency program. Your multifamily property can receive a **FREE** energy assessment, plus **FREE** energy-saving products installed in each unit and qualifying common areas – at no cost:

- Standard, globe, candelabra, recessed and track LEDs
- Bathroom and kitchen faucet aerators
- Exit-sign LEDs
- Showerheads
- Hot-water pipe wrap
- Comparable assessments could cost \$1,000-\$3,000



Adjustable



Adjustable



Sign up today!

Phone 888.297.1671
Website duke-energy.com/multifamily
Email dukeenergymultifamilyeep@franklinenergy.com

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Jun 15 2021

Case Study

MULTIFAMILY ENERGY EFFICIENCY PROGRAM CASE STUDY



Here's What They're Saying About Us

"The Duke Energy Multifamily program has been instrumental in reducing the cost of living in Bell communities, enhancing our environmental stewardship and differentiating our NC/SC properties in the marketplace. We look forward to a continued partnership with Franklin Energy and Duke Energy."

– Wes Winterstein, Vice President, Ancillary Services, Bell Partners Inc.

ESTIMATED SAVINGS FOR RESIDENTS

Annual Electric Savings		Annual Electric Bill Savings		
1,015 kWh		\$107		
Value and Savings for Bell Partners and Its Residents Through 2018		Going Green Makes a Difference		
Annual Electric Savings	Value of Products and Energy Savings	So far Bell Partners and Duke Energy have delivered energy savings equivalent to:	Cars Taken Off the Road	Trees Planted
2,771,664 kWh	\$434,089		314	37,653

DUKE ENERGY AND BELL PARTNERS ARE GOING GREEN!

To date, Bell Partners and Duke Energy have collaborated to make nine communities more energy efficient by replacing standard lighting with LED bulbs, replacing inefficient faucets and showerheads with water-saving products, and insulating hot water heater pipes. The cost to Bell Partners and its residents? Nothing! In 2017 and 2018, Duke Energy provided and installed:

- \$152,000 worth of energy-saving products
- Over 26,000 LED lights
- Nearly 5,600 water-saving faucet aerators
- Over 1,800 energy-saving showerheads
- Nearly 14,000 feet of pipe insulation

Bell Partners residents can save an average of \$107 annually on their electric bill. The communities save ongoing O&M expenses. And with the help of Duke Energy, Bell Partners continues to be a leader in the green multifamily market.



BUILDING A SMARTER ENERGY FUTURE®



A. Description

The purpose of the Duke Energy Progress ("Company") Small Business Energy Saver program ("Program") is to reduce energy usage through the direct installation of energy efficient measures within qualifying non-residential customer facilities. All aspects of the Program are administered by a single Company-authorized vendor. Program measures address major end-uses in lighting, refrigeration, and HVAC applications.

Program participants receive a free, no-obligation energy assessment of their facility followed by a recommendation of energy efficiency measures that could be installed in their facility along with the projected energy savings, costs of all materials and installation, and the amount of the up-front incentive the Company. The customer makes the final determination of which measures will be installed after receiving the results of the energy assessment. The vendor schedules the installation of the energy efficiency measure at a convenient time for the customer, and electrical subcontractors perform the installation.

The Program is designed as a pay-for-performance offering, meaning that the vendor administering the Program is only compensated for energy savings achieved through the installation of energy efficiency measures.

Audience

The Program is available to non-residential customers that are not opted-out of the Company's EE/DSM rider and have an average annual demand of 180 kW or less per active account.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	38,402	23,472	-14,930
Savings (MW)	6.64	3.90	-2.75
Participants		22,264,626	
Program Expenses		\$5,004,816	

D. Qualitative Analysis**Highlights**

Lime Energy is the Company-authorized vendor administering the Program in both DEC and DEP service areas.

In 2020, the Company and vendor experienced many difficulties as a result of the COVID-19 virus. In March the program was shut down due to the high-risk nature of sending employees from business to business to market the program and to complete the free energy audit. The Program could complete some customer requested work, but the Program was not allowed to complete any marketing. In June the program started a gradual reopening that continue through November when we were at 80% staff. The program was paused for one week following Thanksgiving and then shutdown for the year in mid-December.

Even with the shutdown, customers still showed interest in the Program. We experienced higher than plan participation per salesperson the Program could have in the field, but we also had customers unwilling to act due to the uncertainty of the market due to the impacts of COVID-19. As spread of the COVID-19 virus starts to slowdown and the vaccine distribution increases the uncertainty in the marketplace is resolved and customers will be willing to move forward with projects.

The Company continues to administer a customer satisfaction survey to Program participants since the Program's launch in DEC. Customers continue to give the Program high scores and generating a positive view of the Company.

Issues

While LED lighting measures are expected to remain the primary driver of kWh savings in the Program for the foreseeable future, the Company has been actively working with our vendor Lime Energy to implement initiatives focused on increasing refrigeration and HVAC measure adoption.

Potential Changes

In 2020, the Company filed changes to the Program to add a new option called SmartPath™ and to add process measures. SmartPath™ is an addition to the existing Small Business Energy Saver tariff that was approved in 2020 and planned to be launched in the first half of 2021. SmartPath™ is designed to minimize financial barriers to customer participation by allowing customers above 180 kW finance and implement energy efficiency upgrades with little to no upfront out of pocket costs.

The new process measures will allow the Program to provide measures that will have more of an impact on the Company's winter peak and will continue the Program efforts to extend projects beyond just lighting. As the Program continues to mature, the Company will continue to evaluate opportunities to add incentivized measures which fit the direct install program model and are suitable for the small business market.

E. Marketing Strategy

The Program is marketed primarily using the following channels:

- Lime Energy field representatives
- Direct mail (letters and postcards to qualifying customers)
- Duke Energy Progress website
- Email & Duke Energy Business E-Newsletters
- Social media and search engine marketing
- Direct marketing & outreach via Program administrator
- Outreach via Duke Energy Business Energy Advisors
- Community events

All marketing efforts are designed to create awareness of the Program, to educate customers on energy saving opportunities, and to emphasize the convenience of participation for the target market.

F. Evaluation, Measurement and Verification

Evaluation activities commenced in late 2020, with an evaluation covering the period from January 2019 through June 2020. The evaluation will conduct virtual verification of measure installations and estimate energy and peak demand savings (both summer and winter) via engineering analysis. The evaluation will also assess the NTG ratio through the use of online customer surveys. In addition, the process evaluation will assess the strengths and weaknesses of current program processes and customer perceptions of the program. The evaluation is scheduled for completion mid-2021.

Non-Residential Smart \$aver® Performance Incentive

A. Description

Duke Energy Progress, LLC's (the "Company") Non-Residential SmartSaver® Performance Incentives (the "Program") offers financial assistance to qualifying commercial, industrial and institutional customers to enhance their ability to adopt and install cost-effective electrical energy efficiency projects.

The Program encourages the installation of new high efficiency equipment in new and existing nonresidential establishments as well as efficiency-related repair activities designed to maintain or enhance efficiency levels in currently installed equipment. The Program provides incentive payments to offset a portion of the higher cost of energy efficient installations that are not eligible under either the Smart \$aver® Prescriptive or Custom programs. The types of projects covered by the Program include projects with some combination of unknown building conditions or system constraints, or uncertain operating, occupancy, or production schedules. The specific measures incentivized are stated in the agreement with the customer. The Program coordinates closely with the existing custom program team and shares resources for administrative review and payment processing. The Program requires pre-approval prior to project initiation. Only projects that demonstrate that they clearly reduce electrical consumption and/or demand are eligible for incentives.

The intent of the Program is to broaden participation in non-residential efficiency programs by being able to provide incentives for projects that previously were deemed too unpredictable to calculate an acceptably accurate savings amount, and therefore ineligible for incentives. This Program provides a platform to understand new technologies better.

The key difference between the Performance Incentive Program and the custom program is that the performance incentive customers get paid based on actual measure performance. A plan is developed to verify actual performance of the project upon completion and is the basis for the performance portion of the incentive.

The incentive is typically paid out on the following schedule, though the quantity & timing of payment installments may vary:

- Incentive #1: For the portion of savings that are expected to be achieved with a high degree of confidence, an initial incentive is paid once the installation is complete.
- Incentive #2: After actual performance is measured and verified, the performance-based part of the incentive is paid. The amount of the payout is tied directly to the savings achieved by the measures.

The Company contracts with Alternative Energy Systems Consulting, Inc. (AESC) to perform technical review of the applications. All other program implementation is performed by Duke Energy employees or direct contractors.

Audience

All of the Company's non-residential electric accounts billed on qualifying rate schedules are eligible, except accounts that are opted out of the rider.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	7,520	3,104	-4,416
Savings (MW)	0.86	0.22	-0.63
Participants		42	
Program Expenses		\$386,339	

Non-Residential Smart \$aver® Performance Incentive

D. Qualitative Analysis

Highlights

As new technologies are introduced and changes occur in the energy efficiency marketplace, performance incentives are the perfect tool to influence and reward customers who invest in energy efficiency. The Smart \$aver Performance Incentives program was launched on January 1, 2017. Efforts to encourage internal resources, trade allies and vendors who sell energy efficient equipment to promote the Program and assist customers to participate are continuous and on-going. In addition, the Program is marketed closely with the Smart \$aver Custom Program.

In DEP, the program is beginning to reap the fruits of its marketing efforts as program participation increases slightly.

The program experiences large fluctuations in performance due to long project lead times, long monitoring and verification times, and the timing and sizes of projects. With a compelling value proposition and internal resources and trade allies getting comfortable with this unique program offering, participation is expected to continue to be strong.

The program is now able to offer both top and bottom cycle CHP to customers.

Issues

Program management is monitoring a few areas.

- The preferred method for measurement and verification of performance is gathering, monitoring and analyzing customer billing history. However, energy savings are not significant enough at times to evaluate effectively through the review of billing information. If this is the case, sub-metering is required at the customer's expense and may be a hurdle due to the time and expense of monitoring and verifying savings.
- The Performance program cannot be offered to customers who are opted out of the EE Rider. Performance projects can easily carryover into multiple calendar years because of the monitoring and verification requirement, a situation which could make opting in more difficult to justify.
- Sometimes project M&V can span multiple years thus requiring a customer to be opted-in for multiple years. This is often not preferred and we are beginning to see customers forfeit a portion of their project incentive to opt-out of the rider.
- Customers may not participate because of the risk of measured energy savings being less than expected and resulting in a smaller incentive payout.
- The program is having difficulty in finding cost effective projects. Typical Performance project with uncertainty in savings have been controls related, where savings are determined based on the part-load characteristics of the measure or system optimization. These types of projects typically have the following characteristics which makes costs-effectiveness challenging:
 - High first costs
 - Little demand savings – low avoided costs
 - Low measure life

The program will continue to evaluate projects on a case by case basis to ensure cost effective projects are incentivized.

Non-Residential Smart \$aver® Performance Incentive

Potential Changes

The Company will continuously consider functional enhancements to enhance participation, processing speed, and program efficiency.

E. Marketing Strategy

The 2020 marketing strategy for the Smart \$aver Performance Incentive Program aligned closely with the Custom Program. The goal is to educate non-residential customers about the technologies incentivized through both programs, as well as the benefits of installing energy-efficient equipment. These efforts utilize a multi-channel approach, which includes the following:

- Email
- Direct Mail (letters to qualifying customers)
- Duke Energy Progress website
- Webinars
- Small Business Group outreach events
- Paid advertising/mass media
- Industry Associations
- Large Account Managers
- Business Energy Advisors
- Trade Ally Outreach

These marketing efforts are designed to create awareness of the Program, to educate customers on energy saving opportunities, and to emphasize the convenience of participating.

Non-residential customers are informed of programs via targeted marketing material and communications. Information about incentives is also distributed to trade allies, who in turn sell equipment and services to all sizes of non-residential customers. Large business or assigned accounts are targeted primarily through assigned Company account managers. Unassigned small to medium business customers are supported by the Company's business energy advisors. The business energy advisors follow up on customer leads to answer questions and steer customers who are not already working with a trade ally to the trade ally search tool. In addition, the business energy advisors contact customers with electrical costs between \$60,000 and \$250,000 to promote the Non-Residential Smart \$aver Program.

The internal marketing channel is comprised of assigned Large Business Account Managers, Business Energy Advisors, and Local Government and Community Relations who all identify potential opportunities as well as distribute program collateral and informational material to customers and trade allies. In addition, the Economic and Business Development groups also provide a channel to customers who are new to the service territory.

F. Evaluation, Measurement and Verification

No evaluation activities occurred in 2020. Future evaluation timing will depend upon sufficient participation and may be included in future Smart \$aver Non-Residential evaluations.

Non-Residential Smart \$aver Program

A. Description

The Non-Residential Smart \$aver Program ("Program") provides incentives to Duke Energy Progress, LLC's ("DEP" or the "Company") commercial and industrial customers to install high efficiency equipment in applications involving new construction and retrofits and to replace failed equipment.

Commercial and industrial customers can have significant energy consumption but may lack knowledge and understanding of the benefits of high efficiency alternatives. The Program provides financial incentives to reduce the cost differential between standard and high efficiency equipment so that customers see a quicker return on their investments into high efficiency equipment and so that the money they save on utility bills can be reinvested in their businesses. Incentives are determined based on the Company's modeling of cost effectiveness over the life of the measure. In addition, the Program encourages dealers and distributors (or market providers) to stock and provide these high efficiency alternatives to meet increased demand for the products.

The Program provides incentives through prescriptive measures, custom measures and assessment/technical assistance.

Prescriptive Measures:

Customers receive incentive payments after they install certain high efficiency equipment from the list of pre-defined measures, including lighting; heating, ventilating and air conditioning equipment; and refrigeration measures and equipment. A list of eligible equipment and measures and specific incentive amounts are available at the Program website: <https://www.duke-energy.com/business/products/smartsaver>.

Custom Measures:

The Smart \$aver Custom Program is designed for customers with electrical energy-saving projects involving more complicated or alternative technologies or measures not covered by the Non-Residential Smart \$aver Prescriptive Program. The intent of the Program is to encourage the implementation of energy efficiency projects that would not otherwise be completed without the Company's technical or financial assistance.

Unlike the Non-Residential Smart \$aver Prescriptive Program, the custom program requires pre-approval prior to the project initiation. Proposed energy efficiency measures may be eligible for customer incentives if they clearly reduce electrical consumption and/or demand.

The two approaches for applying for incentives for this Program are Classic Custom and Smart \$aver Tools. Each approach has a method by which energy savings are calculated, but the documents required as part of the application process vary slightly between the two.

Currently the application forms listed below are located on the Company's website under the Smart \$aver® Incentives (Business and Large Business tabs).

- Custom Application, offered in word and pdf format.
- Energy savings calculation support:
 - Classic Custom excel spreadsheet approach (> 700,000 kWh or no applicable Smart \$aver Tool)
- Lighting worksheet (excel)
- Variable Speed Drive (VFD) worksheet (excel)
- Compressed Air worksheet (excel)
- Energy Management System (EMS) worksheet (excel)
- General worksheet (excel), to be used for projects not addressed by or not easily submitted using one of the other worksheets
 - Smart \$aver Tools approach (< 700,000 kWh)
- HVAC & Energy Management Systems
- Lighting (no project size limit)
- Process VFDs
- Compressed Air

Non-Residential Smart \$aver Program

Energy Assessments and Design Assistance:

Incentives are available to assist customers with energy studies such as energy audits, retro commissioning, and system-specific energy audits for existing buildings and with design assistance such as energy modeling for new construction. Customers may use a contracted Duke Energy vendor to perform the work or they may select their own vendor. Additionally, the Program assists customers who identify measures that may qualify for Smart \$aver Incentives with their applications. Pre-approval is required.

In 2019, the program again modified its approach to energy assessments by utilizing a “virtual” approach. Using energy modeling software called NEO from our vendor, Willdan, and collecting all building information remotely will allow the audit to be completed in 2-3 weeks for less cost. Each audit has a fixed cost of \$5,000 which is covered 100% by the program. In 2020, the program was expanded to include buildings with process loads such as manufacturers. Program parameters are a focus on customers with a minimum demand of 180 kW with those below being serviced by Small Business Energy Saver®.

The Company contracts with AESC to perform technical reviews of applications. All other Program implementation and analysis is performed by Duke Energy employees or direct contractors.

Audience

This Program is designed for all of the Company's non-residential customers billed on an eligible Duke Energy Progress rate schedule.

B & C. Impacts, Participants and Expenses

Energy Efficiency for Business – Total Program

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	84,827.62	59,121	-25,706
Savings (MW)	12.85	10.72	-2.13
Participants		2,099,086	
Program Expenses		\$11,378,760	

Custom Measures Only

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	21,077	12,768	-8,309
Savings (MW)	2.41	3.02	0.62
Participants		9,183	
Program Expenses		\$3,514,807	

Prescriptive Measures

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	63,751	46,353	-17,397
Savings (MW)	10.44	7.70	-2.74
Participants		2,089,903	
Program Expenses		\$7,863,953	

Non-Residential Smart \$aver Program

D. Qualitative Analysis

Highlights

The prescriptive, custom, and assessment/technical assistance programs continue to generate substantial savings and customer satisfaction by leveraging internal staff focused on providing solutions to participants. Prescriptive measures foster high-volume participation for common retrofit projects, while custom programs seek ways to provide in-depth technical expertise required to bring in larger and more unique projects.

Over the years, the Program has worked closely with Trade Allies (TAs), which are energy-efficiency equipment vendors, contractors, engineers, architects and energy services providers in the Carolinas registered with the Program, to promote incentives to our business customers at the critical point in time when customers are considering standard or high efficiency equipment options. The Smart \$aver® outreach team builds and maintains relationships with TAs in and around Duke Energy's service territory. Existing relationships continue to be cultivated while recruiting new TAs remains a focus. Duke Energy's efforts to engage TAs include the following activities:

- Trade Ally Search tool located on the Smart \$aver® website
- Inspections of a sample of all projects to ensure quality control
- TA co-marketing including information about the Smart \$aver Program in the TAs marketing efforts
- Online application portal training and support
- Midstream channel support
- TA year-end awards
- TA quarterly newsletter
- Technology- and segment-specific marketing collateral
- TA discussion group (20 trade allies that give input on the Program)
- TA training
- Sponsorship of TA events
- Online collateral toolkit for access to marketing materials

The TA outreach team educates TAs on the Program rules and the Smart \$aver Program expectations for TA conduct. The Company engages the TAs in promoting the Program as well as targeting TAs more effectively based on market opportunities.

The Program has developed multiple approaches to reaching a broad and diverse audience of business customers through incentive payment applications, paper and online options, and instant incentives offered through the midstream marketing channel and the online energy savings store. The Company continues to consider ways to expand participation through new channels that offer instant incentives thus reducing the price of energy efficient products at the time of purchase and reducing or eliminating the need for a separate incentive application. Several 2020 program trends are listed below:

- Customers continued to show interest in energy efficiency, however the program experienced a significant decline due to the negative effects that the COVID-19 pandemic had on business customers.
- Customers continued to utilize the midstream marketing channel by taking advantage of instant incentives through participating equipment distributors
- More applicants used the online application.
- Outreach continued to support Trade Allies working with the program, but largely pivoted to virtual and phone outreach instead of in-person meetings
- Marketing efforts were reduced due to the COVID-19 pandemic
- A dedicated team of representatives responded to customer questions via phone and email, providing high levels of customer service.

Customers have several options for participating in the Program. The following chart summarizes 22020 participating customers by Program channel:

Non-Residential Smart \$aver Program

Prescriptive Program Option	Participating Customers*	% 2020 Repeat Customer
Paper and Online Application Form	369	70%
Midstream Marketing Channel	1,238	58%
Online Energy Savings Store	422	41%
Multifamily Free Channel**	23	83%

*May include multiple facilities/sites for one customer.

**The Multifamily Free Channel was suspended for the majority of 2020 due to COVID-19

During 2020, 854 applications, consisting of 2,269 measures, were paid for Duke Energy Progress prescriptive measures. Paid application volume was down 32% in 2020 vs. 2019. 69% of 2020 applications were submitted via the online application portal. The average payment paid per application was \$3,320. Duke Energy utilizes an internal database that allows the Program to self-administer applications and track data.

Many TAs participating in the application process reduce the customer's invoice by the amount of the Smart \$aver® Prescriptive incentive and then receive reimbursement from DEP. Customers often prefer this approach rather than paying the full cost of equipment upfront and receiving an incentive check from DEP later.

The midstream marketing channel provides instant prescriptive incentives to eligible customers at a participating distributor's point of sale. Approved midstream distributors validate eligible customers and the lighting, HVAC, food service and IT products they selected to purchase through an online portal and use that information to show customers the reduced price of high efficiency equipment. Upon purchase, the distributor reduces the customer's invoice for the eligible equipment by the amount of the prescriptive incentive. Distributors then provide the sales information to DEP electronically for reimbursement. The incentives offered through the midstream channel are consistent with current Program incentive levels.

Energy Solutions provides the online portal for distributors to manage the paperless validation and incentive application. During 2020, approximately 49% of total Smart \$aver Prescriptive incentives were paid through the midstream marketing channel. Duke Energy currently has 300 distributors signed up for the midstream channel, an increase of 10% from 2019.

The Duke Energy Business Savings Store on the Duke Energy website uses EFI, a the third-party that fulfills orders directly for the customers. The site gives customers the opportunity to take advantage of a limited number of prescriptive measure incentives by purchasing products from the on-line store at a purchase price reduced by the amount of the incentive. The discounts in the store are consistent with current incentive levels.

In order to grow the number of accounts participating in EE, particularly in market segments where knowledge of EE is limited, the Program is now collaborating with the Residential Multifamily Direct Install program to offer free low-cost measures to multifamily common areas as well as tenant spaces. Multifamily properties that are being approached by the Residential Multifamily program's vendor, Franklin Energy, are now eligible to add on limited quantities of common area measures. The common area must be on an eligible commercial rate to participate. Measures such as LED screw-in lamps, LED exit signs, low flow shower heads, faucet aerators and pipe insulation are now being installed where possible in multifamily common areas as well as in residential spaces. For those properties that accept the measures, Franklin Energy will directly install them in the common areas when they are on site for the residential installations. Franklin Energy tracks the measures installed by property, as well as total installations and reports this information to the Program team. This channel was suspended along with the Residential Multifamily Direct Install program for the majority of 2020 due to COVID-19.

Customers continue to identify energy efficiency opportunities eligible for incentives under this Program. In 2020, 99 new pre-approval applications were submitted of which 50 were new construction projects. Additionally, 47 projects were enrolled in new construction which precedes a Smart \$aver Custom application.

Non-Residential Smart \$aver Program

Smart \$aver Custom Incentives program uses a flat rate incentive for both energy and demand savings.

Efforts to educate trade allies and vendors who sell energy efficient equipment have been very successful. In many cases, vendors will submit the paperwork for the customer, eliminating a barrier for customers that do not have the resources to devote to completing the application.

The Program launched a fast track option for 2017 which gives customers the ability to pay a fee to speed up their application processing time to seven business days. This fee is passed through to the vendor for its cost to expedite the application.

As new technologies are introduced and changes occur in the energy efficiency marketplace, performance incentives are the perfect tool to influence and reward customers who invest in energy efficiency. The Smart \$aver Performance Incentives program was launched on January 1, 2017. Efforts to encourage internal resources, trade allies and vendors who sell energy efficient equipment to promote the Program and assist customers to participate are continuous and on-going. In addition, the Program is marketed closely with the Smart \$aver Custom Program.

In 2020 the Smart \$aver Performance Incentives program received 7 new applications.

The program experiences large fluctuations in performance due to long project lead times, long monitoring and verification times, and the timing and sizes of projects. With a compelling value proposition and internal resources and trade allies getting comfortable with this unique program offering, participation is expected to continue to be strong.

The program is now able to offer both top and bottom cycle CHP to customers.

The Program launched a new marketing channel in 2017 called New Construction Energy Efficiency Design Assistance (NCEEDA) to identify projects for customers currently underserved in the small and medium business market. This channel utilizes the vendor Willdan Energy Solutions to help find those opportunities, complete savings calculations as well as submit applications for the customer. As of January 24, 2020, 160 active and completed projects have enrolled in the DEP - NCEEDA offering, representing 21.8 million square feet of new construction along with 127 Smart \$aver Custom project applications representing 38 million kilowatt hours of energy savings.

Issues

The primary issues that faced the program in 2020 were all related to responding and adapting to the new reality after the onset of the COVID-19 pandemic in late first quarter. Program participation experienced a sharp decline in April and slowly recovered through the remainder of the year. Fortunately, very few program activities require face-to-face contact, so the Smart \$aver® team was able to continue processing incentive applications and administering the program while working from home.

Potential Changes

Standards continue to change and new, more efficient technologies continue to emerge in the market. DEP periodically reviews major changes to baselines, standards, and the market for equipment that qualifies for existing measures and explores opportunities to add measures to the approved Program for a broader suite of options.

DEP is also considering new and innovative ways to reach out to customer segments that have had a lower rate of prescriptive incentive applications and considering options to partner with other DEP EE programs to cover gaps in the market and ultimately, make it easier for customers to participate in Smart \$aver incentives.

The Program team would like to drive deeper customer savings and increase participation in technologies beyond lighting. The Midstream distributor channel has proven to be efficient and customer friendly, influencing energy efficiency at the point of sale. Efforts are underway to build upon the success of the

Non-Residential Smart \$aver Program

Midstream channel by promoting a similar Upstream offer with manufacturers for existing food service and HVAC technologies only.

E. Marketing Strategy

Program marketing efforts were greatly reduced in 2020 in response to the COVID-19 pandemic and the need for Duke Energy marketing to focus first on more relevant and appropriate messaging to customers regarding pandemic-related assistance.

The marketing plan for 2021 includes direct marketing such as email and direct mail, online marketing, print marketing and supporting partnerships.

The internal marketing channel consists of assigned Large Business Account Managers, small and medium Business Energy Advisors, and Local Government and Community Relations, who all identify potential opportunities as well as distribute program informational material to customers and Trade Allies. Duke Energy has Business Energy Advisors in the Carolinas area to perform outreach to unassigned small and medium business customers. The Business Energy Advisors follow up on customer leads, assist with program questions, and steer customers who are not already working with a trade ally to the trade ally search tool. In addition, the Business Energy Advisors contact customers with revenue between \$60,000 and \$250,000 to promote the Smart \$aver® programs. The Economic and Business Development groups also provide a channel to customers who are new to the service territory.

F. Evaluation, Measurement and Verification

Non-Residential Smart \$aver Prescriptive Program

The combined DEC/DEP process and impact evaluation for the Non-Residential Smart \$aver Prescriptive Incentive program for the period of March 2017 through December 2018 began the first quarter of 2019. The final report was completed in July 2020 and presented at the 4th Qtr 2020 Collaborative.

A process evaluation to determine free ridership and spillover was conducted. The process evaluation included interviews with program management. Main Channel Customer, Midstream Customer and Trade Ally surveys were conducted to assess program awareness, satisfaction and installation decisions. Program materials were also reviewed to fully understand the specifics of the program design.

The impact evaluation consisted of engineering desk reviews as well as on site metering for a subset of lighting measures. An online survey with Midstream lighting customers was performed to verify purchase and installation of lighting measures. Program supplied tracking databases, project documentation and Technical Reference Manuals from Ohio and neighboring states were also be used to estimate verified energy and demand savings for the Smart \$aver Prescriptive program.

Non-Residential Smart \$aver Custom Program

No evaluation activities occurred in 2019, however evaluation activities commenced in the first quarter of 2020. A final report, combined with DEP, is planned for the second quarter of 2021.

A. Description

The Duke Energy Progress, LLC ('Company') EnergyWise Business ('Program') is an energy efficiency and demand response program for non-residential customers that allows the Company to reduce the operation of participants' AC units to mitigate system capacity constraints and improve reliability of the power grid. The Program provides customers with options for how they would like to participate. In exchange for participation, the Company provides participants with an annual incentive applied directly to their bill.

Program participants can choose between a Wi-Fi thermostat or a load control switch which is professionally installed for free for each air conditioning or heat pump unit at the premise. In addition to choosing the equipment, the participants can also choose at what cycling level they would like to participate: 30%, 50%, or 75%. During a conservation period, the Company sends a signal to the thermostat or switch to reduce the amount of time the unit is running by the percentage the participant selected. For participating at the 30% level, the customer receives a \$50 annual bill credit for each unit, \$85 for the 50% level, or \$135 for the 75% level. Additionally, participants with a heat pump unit with electric resistance emergency/back up heat that choose the thermostat can also participate in a winter option which allows the Company to control the emergency/back up heat. For 100% control of the emergency/back up heat, the Company provides an additional \$25 annual bill credit.

Participants choosing the thermostat have access to a portal that allows them to control their units from anywhere with internet access. They can set schedules, adjust temperature set points, and receive energy conservation tips and communications from the Company. In addition to the portal access, participants also receive notifications of upcoming conservation periods. These notifications allow participants to make adjustments to their schedules or notify their employees of the upcoming conservation period. Participants are allowed to override two conservation periods per year without penalty. They can activate an override before or during the conservation period.

Audience

The Program is available to existing non-residential customers that are not opted-out of the DSM Rider, have at least one air conditioner or heat pump that operates to maintain a conditioned space on weekdays during the calendar months of May through September, and are not served under Schedules LGS-RTP and SI, Riders NM, DRA, 57, 68 IPS, LLC or NFS. Also, customers must have an average minimum usage of 1,000 kWh during those same calendar months.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	55	548.6	494.0
Savings (MW)	8.25	5.06	-3.19
Participants (EE & DR)		5,915	
Program Expenses		\$1,896,524	

D. Qualitative Analysis**Highlights**

During 2020, the Program was significantly impacted by shutdowns due to COVID-19. The program was shut down completely from the end of March until June 15th, 2020. The program closed again for one week in November and the last two weeks of December. The shutdown time plus the removal of no longer active devices the result is the Program shrunk by 601 devices reducing the total installed devices in DEC to 5,802.

The door-to-door marketing (canvassing) used by the program was considered a high-risk activity. The program delayed restarting due to the risk. Once it was restarted, the Program used a phased approach to test safety protocols and use of PPE to keep everyone safe. The program only returned to

75% of the preCOVID levels

Issues

One factor that continues to impact the Program's overall performance is the high number of customers selecting to enroll in the 30% cycling option. 58% of customers are participating in this option. This is a slight improvement from the 60% participation in the 30% cycling option seen at the end of 2018. The original assumption when the Program was filed was that 50% of customers would select this option. Program staff worked with canvassers to improve their pitches to promote the higher cycling options, improving the current enrollment percentages and bringing them closer to the original assumptions. But, with the high percentage of customers participating in the 30% option in prior years, the overall percentage is slow to come down.

Potential Changes

With the program struggling with cost effectiveness, and the change in DEP from a summer peaking utility to winter peaking, the program is going to move to a maintenance mode. We have negotiated price reductions with our vendor that will improve the cost effectiveness and allow the program to maintain the current capacity levels.

E. Marketing Strategy

In 2019, the Program has continued to use a dedicated canvassing vendor for door-to-door marketing in Raleigh, the greater Raleigh region, and Wilmington. Additionally, the Program continues to see enrollments as a result of cross promotion efforts with the Small Business Energy Saver program and the Duke Energy Business Energy Advisors.

F. Evaluation, Measurement and Verification

The evaluation for the Smart Thermostat (EE) measure for the period of January 2018 – February 2019 was completed in February 2021. Impacts for the demand response portion (Summer 2021) for the program has subsequently begun with a final DR report scheduled for 2nd Quarter 2022.

A. Description

Demand Response Automation ('Program') allows Duke Energy Progress, LLC ('Company') to install data acquisition and optional load control devices to remotely monitor and control the following electrical equipment:

HVAC	Variable speed motors
Lighting	Non-critical, interruptible operations
Standby generation	

Program participants agree to reduce their total metered demand by the seasonal contracted kilowatt (kW) amount during the time specified in the event notification. Participants may reduce their demand using any method, including the use of other power sources. In return, these businesses receive valuable incentives as follows:

1. A one-time participation incentive of \$50/kW for demonstrated demand reduction during initial summer event(s) on the program,
2. Monthly credits of \$4.25/kW for the contracted amount of curtailable demand, and
3. Performance credits of \$6/kW for demand reduced during each curtailment event.

Audience

The Program is available to commercial, industrial and governmental customers with a service base that is capable of contracting for a minimum of 50 kW in curtailable demand. Some exclusions apply based on rate schedules and participation in other riders.

B & C. Impacts, Participants and Expenses

2020 YTD Results	Annual Forecast	Actual at 12/31/2020	Variation
Savings (MWH)	N/A	N/A	N/A
Savings (MW)	7.36	1.93	-5.43
Participants		1,834	
Program Expenses		\$1,837,718	

D. Qualitative Analysis**Highlights**

CIG DRA added a net 1.9 MW (at the plant) of curtailable demand in 2020. Program growth in recent years has been limited by impacts of EPA regulations and by the aversion of industrial customers to the rider's minimum three annual curtailment events, particularly since larger customers interested in demand response programs also have an alternative through Rider LLC that does not have the DSM/EE Opt-In requirement. In early 2020, the Company sought and received approval from the NCUC and PSC to address these barriers through minor revisions to Rider DRA without negatively impacting cost-effectiveness of the Program. Specifically, DEP changed the required minimum number of annual summer events from three (3) to one (1), while simultaneously adjusting the monthly credit to maintain the current guaranteed annual incentive opportunity of \$57.00/kW. Additionally, the required minimum contracted demand was reduced from 75kW to 50kW. These changes were effective February 25, 2020.

The Company dispatched the program one time in 2020, which occurred during the summer to meet the rider minimum.

Potential Changes

No changes currently being evaluated.

E. Marketing Strategy

The Company continues to market the Program directly through Large Account Management and has expanded efforts to reach eligible unassigned customers through various channels that include but are not limited to the following:

- Direct mail (letters and postcards to qualifying customers)
- Duke Energy Progress website
- Email
- Video
- Promotion by the Medium Business Energy Advisors team
- Additional detailed program information is located at www.duke-energy.com/dra.

F. Evaluation, Measurement and Verification

There were no evaluation activities in 2020. PY2021 evaluation activities will begin the first quarter of 2021 with a planned final report in the second quarter of 2022 with a planned impact and process evaluation.

Duke Energy Progress
Estimate - January 1, 2022 - December 31, 2022
Docket Number E-2, Sub 1273
Projected Program/Portfolio Cost Effectiveness - Vintage 2022

Program	UCT	TRC	RIM	PCT
Residential Programs				
• Energy Education Program for Schools	1.46	1.50	0.60	8.95
• Energy Efficient Appliances & Devices	2.78	1.70	0.55	4.37
• Residential Smart \$aver	1.01	0.49	0.43	1.38
• Neighborhood Energy Saver	0.85	0.90	0.48	2.61
• Weatherization Pilot	0.99	1.44	0.43	
• Residential New Construction	1.35	1.46	0.58	3.48
• Energy Efficient Lighting	2.18	3.68	0.66	9.47
• Multi-Family EE Products & Services	2.59	2.85	0.57	10.49
• My Home Energy Report	1.64	1.64	0.64	
• EnergyWise Home	3.77	26.74	3.77	
• Residential Energy Assessments	2.29	2.21	0.56	31.28
Residential Total	1.77	1.69	0.60	5.22
Non-Residential Programs				
• EnergyWise for Business	0.28	0.81	0.28	
• Smart \$aver(R) Non Residential Performance Incentive Program	2.80	1.11	1.00	1.83
• Smart \$aver® Non Residential Prescriptive	3.11	1.93	0.85	3.79
• Smart Saver® Non-Residential - Custom	2.29	1.12	0.94	1.98
• Small Business Energy Saver	2.48	1.46	0.85	2.76
• Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EEB)	2.11	26.31	2.11	
Non-Residential Total	2.48	1.66	0.86	3.18
Overall Portfolio total	2.07	1.68	0.71	4.09

Duke Energy Progress
Changes to DSM/EE Cost Recovery Vintage 2020 True Up January 1, 2020 - December 31, 2020
Changes from Prior Filing Due to Application of M&V and Participation
System kWh and kW Impacts Net Free Riders at the Plant
Docket Number E-2, Sub 1273

Residential Programs

Program Name	Filed in Docket E-2, Sub 1206		Filed in Docket E-2, Sub 1273		Overall Variance		E-2 Sub 1206	E-2 Sub 1273	Delta	Variance attributable to Participation		Variance attributable to Mix of Measures		Variance attributable to EM&V		Sum of Variances	
	kWh	kW	kWh	kW	kWh	kW				kWh	kW	kWh	kW	kWh	kW	kWh	kW
Weatherization Pilot	-	-	107,608	21	107,608	21	-	1,067	1,067	-	-	107,608	21	-	-	107,608	21
Energy Efficiency Education Program	3,872,957	462	1,455,424	174	(2,417,532)	(289)	11,661	4,382	(7,279)	(2,417,532)	(289)	-	-	-	-	(2,417,532)	(289)
Energy Efficient Lighting	8,977,956	1,480	18,942,865	3,123	9,964,908	1,643	687,321	1,304,922	617,601	9,964,908	1,643	-	-	-	-	9,964,908	1,643
Residential Smart Saver®	5,634,699	1,971	6,893,070	1,925	1,258,371	(47)	14,286	22,411	8,125	1,258,375	(47)	-	-	(4)	0	1,258,371	(47)
Multi-Family Energy Efficiency Program	14,538,633	1,847	2,816,526	369	(11,722,107)	(1,479)	313,426	69,966	(243,460)	(11,403,988)	(1,435)	-	-	(318,119)	(44)	(11,722,107)	(1,479)
Neighborhood Energy Saver	2,279,725	348	505,268	67	(1,774,456)	(280)	5,049	617	(4,432)	(2,001,139)	(305)	-	-	226,683	25	(1,774,456)	(280)
Residential Energy Assessments	6,866,573	820	7,151,467	861	284,894	41	18,657	42,902	24,245	(160,046)	(14)	444,940	55	-	-	284,894	41
Residential New Construction	15,992,111	4,606	20,007,860	5,358	4,015,749	752	12,836,720	16,844,791	4,008,071	3,976,598	750	39,151	2	-	-	4,015,749	752
Energy Efficient Appliances and Devices	23,787,507	7,922	18,783,681	2,049	(5,003,826)	(5,873)	410,184	338,776	(71,408)	(11,507,625)	(3,848)	6,368,084	976	135,714	(3,001)	(5,003,826)	(5,874)
Residential Home Advantage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
My Home Energy Report	116,045,885	19,586	154,961,344	54,395	38,915,460	34,809	780,250	769,399	(10,851)	(657,374)	(243)	-	-	39,572,834	35,052	38,915,460	34,809
Power Manager	-	27,629	-	17,810	-	(9,819)	16,112	15,862	(250)	-	(2,477)	-	-	-	(7,342)	-	(9,819)
Residential Programs Total	197,996,045	66,671	231,625,113	86,150	33,629,069	19,479	15,093,666	19,415,095	4,321,429	(12,947,823)	(6,265)	6,959,784	1,054	39,617,108	24,691	33,629,069	19,479

Non-Residential Programs

Program Name	Filed in Docket E-2, Sub 1206		Filed in Docket E-2, Sub 1273		Overall Variance		E-2 Sub 1206	E-2 Sub 1273	Delta	Variance attributable to Participation		Variance attributable to Mix of Measures		Variance attributable to EM&V		Sum of Variances	
	kWh	kW	kWh	kW	kWh	kW				kWh	kW	kWh	kW	kWh	kW	kWh	kW
Energy Efficient Lighting	2,357,624	611	4,993,362	1,294	4,992,751	683	83,286	158,125	74,839	2,635,739	683	-	-	-	-	2,635,739	683
Smart Saver® Non-Residential - Custom	21,077,008	2,406	12,768,124	3,024	(8,308,884)	618	15,844	9,183	(6,661)	(8,308,884)	618	-	-	-	-	(8,308,884)	618
Smart Saver® Non-Residential Prescriptive	63,750,610	10,443	46,353,186	7,700	(17,397,424)	(2,743)	2,238,498	2,089,903	(148,595)	(15,385,257)	(2,324)	3,322,207	380	(5,334,374)	(799)	(17,397,424)	(2,743)
Smart Saver(R) Non-Residential Performance Incent	7,520,191	858	3,104,355	223	(4,415,837)	(635)	7,227,548	42	(7,227,506)	-	-	(4,415,837)	(635)	-	-	(4,415,837)	(635)
Small Business Energy Saver	38,401,907	6,642	23,471,981	3,895	(14,929,926)	(2,747)	36,000,000	22,264,626	(13,735,374)	(14,929,926)	(2,747)	-	-	-	-	(14,929,926)	(2,747)
EnergyWise for Business	54,636	8,252	548,603	5,063	493,967	(3,188)	10,723	5,915	(4,807)	(31,972)	(3,286)	-	-	525,939	98	493,967	(3,188)
Commercial, Industrial, Governmental Energy Efficiency	-	7,357	-	1,928	-	(5,429)	7,000	1,834	(5,166)	-	(5,571)	-	-	-	142	-	(5,429)
Non-Residential Programs Total	133,161,976	36,570	91,239,612	23,128	(39,565,352)	(13,441)	45,582,898	24,529,628	(21,053,270)	(27,711,417)	(13,245)	(9,402,513)	363	(4,808,435)	(559)	(41,922,365)	(13,441)

Distribution System Demand Response

DSDR	46,476,232	293,836	32,097,809	205,053	(14,378,423)	(88,783)	-	-	-	N/A	N/A	-	-	-	-	N/A	N/A
Total Residential and Non-Residential Programs	377,634,253	397,076	354,962,533	314,331	(20,314,707)	(82,745)	60,676,564	43,944,723	(16,731,841)	(40,659,240)	(19,510)	(2,442,729)	1,416	34,808,673	24,132	(8,293,296)	6,038

NOTE - The actual per unit impacts are reflective of the following EM&V reports:

Program Name As Filed	Docket	Report Reference	Effective Date
Energy Efficient Appliances and Devices	E-2, Sub 1085	Save Energy and Water Kits 2018 – 2019 Evaluation Report	9/1/2019
Multifamily Energy Efficiency Program	E-2, Sub 1059	EM&V Report for the Duke Energy Multifamily Energy Efficiency Program	6/1/2018 (Water); 7/1/19 (Lighting)
Non-Residential Smart Saver Program	E-2, Sub 938	Duke Energy Carolinas and Duke Energy Progress Non-Residential Smart Saver Prescriptive Program Evaluation Report	8/1/2019
EnergyWise for Business	E-2, Sub 1086	2020 EM&V Interim Report for the EnergyWise Business Program	3/1/2019

Duke Energy Progress, LLC
List of Industrial and Commercial Customers Opted Out of Vintage 2020
Docket E-2, Sub 1273

	Number of Accounts
DSM RIDER OPT OUT YR 2020	5,441
EE RIDER OPT OUT YR 2020	5,233

Customer Bill Name	EE YR 20 (JAN 1 - DEC 31)	DSM YR 20 (JAN 1 - DEC 31)	GRAND TOTAL
	RIDER OPT OUT	RIDER OPT OUT	
1922 SKIBO CROSS CREEK LLC	1	1	2
333 VENTURES LLC	2	2	4
3700 GLENWOOD OWNER LLC	1	1	2
3C PACKAGING INC	1	1	2
5400 RALEIGH CRABTREE KKC	1	1	2
81ST REGIONAL SUPPT COMMAND	1	1	2
A STUCKI COMPANY	1	1	2
A&M 2610 WYCLIFF OWNER LLC	2	2	4
ABB MOTORS AND MECHANICAL INC	2	2	4
ACCUCHROME TOOL & MOLD INC	1	1	2
ACME-MCCRARY CORP	1	1	2
ADVANCED PLASTIC EXTRUSION LLC	3	3	6
ADVANCED PLASTIFORM INC		5	5
AG PROVISION LLC	3	3	6
AIR SYSTEM COMPONENTS INC	1	1	2
AJINOMOTO USA INC	3	3	6
ALBANY ROAD - 6501 WESTON LLC	1	1	2
ALCAMI CAROLINAS CORPORATION	4	5	9
ALIDADE GLENWOOD LLC	1	1	2
ALL TRUSS LLC	1	1	2
ALLEN HARIM FOODS LLC	1	1	2
ALPLA INC	1	1	2
AMCOR FLEXIBLES INC	1	1	2
AMCOR RIGID PLASTICS USA LLC	3	3	6
AMERICAN AIRLINES INC	1	1	2
AMERICAN GROWLER INC	2	2	4
AMERICAN SKIN COMPANY INC	1	1	2
AMERICAN WOOD FIBERS INC		1	1
AMERICHEM INC	3	3	6
AMERIQUEL ASEPTIC LLC	2	2	4
AMERISOURCEBERGEN DRUG CORPORA	1	0	1
ANSON COUNTY WATER DEPT	2	2	4
ANSON COUNTY WTR SYSTEM	2	2	4
ANSON MACHINE WORKS	4	4	8
ANSON WOOD PRODUCTS INC	4	4	8
APAC TENNESSEE INC	4	4	8
APEX OIL CO INC/TERMINALS DIVI	5	5	10
APEX TOOL GROUP LLC	2	2	4
ARAUCO NORTH AMERICA INC	7	7	14
ARCADIA FARMS LLC	2	2	4
ARCHER DANIELS MIDLAND CO	2	2	4
ARCLIN USA INC	6	6	12

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ARDAGH GLASS INC	10	10	20
ARDEN CORPORATION	4	4	8
ASHEBORO CITY OF	4	4	8
ASHEBORO CITY SCHOOLS	10	22	32
ASHEBORO ELASTICS CORP	2	2	4
ASHEVILLE BUNCOMBE TECH	21	21	42
ASHEVILLE CITY OF	7	8	15
ASHEVILLE WASTE PAPER CO INC	5	5	10
ASTON PARK HEALTH CARE CENTER	1	1	2
AT & T MOBILITY	3	3	6
AT HOME STORES LLC	2	2	4
ATEX TECHNOLOGIES INC	2	2	4
ATLANTIC CORP OF WILM INC	7	9	16
ATLANTIC VENEER CORP	4	4	8
ATLAS PRECISION INC	1	1	2
AURIA TROY LLC	1	1	2
AUSTIN QUALITY FOODS INC	5	5	10
AUX KITCHEN LLC	1	1	2
AVL TECHNOLOGIES INC	7	7	14
AVL TECHNOLOGY PARK LLC	2	2	4
B V HEDRICK GRAVEL & SAND CO	9	9	18
BAILEY FARMS INC	1	1	2
BALCRANK CORPORATION	1	1	2
BALLY REFRIGERATED BOXES INC	2	2	4
BARNES FARMING CORPORATION	8	8	16
BARNHARDT MFG CO	2	2	4
BARTLETT MILLING CO	2	2	4
BASF AGR SOLUTIONS SEED US LLC	1	1	2
BASS FARMS INC	1	1	2
BB&T CORPORTATION	1	1	2
BB&T	5	5	10
BEAR CREEK ARSENAL INC	4	4	8
BELK INC	6	7	13
BELLSOUTH TELECOMMUNICATIONS	13	14	27
BELT CONCEPTS OF AMERICA	1	1	2
BILTMORE FARMS HOTEL GRP LLC	3	3	6
BILTMORE FOREST CNTRY CLUB INC	5	5	10
BJ'S WHOLESALE CLUB INC	8	8	16
BLACK CREEK RENEWABL ENERG LLC		1	1
BLACK MTN CENTER	6	6	12
BLUE RIDGE METALS CORP	3	3	6
BLUE RIDGE PAPER PRODUCTS INC	32	32	64
BOISE CASCADE WOOD PRDCTS LLC	1	1	2
BOLIVIA LUMBER CO LLC	2	2	4
BONSAL AMERICAN INC	3	3	6
BORG WARNER TURBO SYSTEMS INC	6	6	12
BORGWARNER THERMAL SYSTEMS INC	1	1	2
BP SOLUTIONS GROUP INC	2	2	4
BRIDGESTONE BANDAG LLC	7	7	14
BRIER CREEK OFF #6 LLC	1	1	2
BRIER CREEK OFFICE # 1 LLC	1	1	2
BRIER CREEK OFFICE # 2 LLC	1	1	2

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BRIER CREEK OFFICE # 5 LLC	1	1	2
BRIER CREEK OFFICE #4 LLC	1	1	2
BRM PARTNERS II LLC	1	1	2
BRM PARTNERS LLC	1	1	2
BROMLEY PLASTICS CORPORATION	1	1	2
BROOKS HOWELL RETIREMENT HOME	3	3	6
BROOKWOOD FARMS INC	5	5	10
BRUNSWICK CO UTILITIES	1	1	2
BRUNSWICK CO	1	1	2
BRUNSWICK COUNTY SCHOOLS	43	50	93
BSH HOME APPLIANCES	6	9	15
BUNCOMBE CO BD OF EDUCATION		2	2
BUNCOMBE COUNTY		2	2
BURCAM CAPITAL II LLC	1	1	2
BURLINGTON INDUSTRIES LLC	2	2	4
CAMBRIDGE VILLAGE OF WIL LLC		5	5
CAMP DAVIS INDUSTRIAL PARK INC	6	6	12
CAMPBELL SOUP SUPPLY CO LLC	5	5	10
CAMPBELL UNIVERSITY INC	64	65	129
CAN AM SOUTH LLC	2	2	4
CANTON SAWMILL LLC	6	6	12
CAPE FEAR ACADEMY	2	2	4
CAPE FEAR COMMUNITY COLLEGE	36	36	72
CAPE FEAR COUNTRY CLUB	8	8	16
CAPE FEAR PUBLIC UTILITY AUTH	4	4	8
CAPEL INC	6	6	12
CAPITAL FUNDS INC	2	2	4
CAPITOL BROADCASTING CO	14	15	29
CAPITOL FUNDS INC	1	1	2
CARDINAL METALWORKS INC	2	2	4
CARLIE C OPERATION CENTER INC	15	8	23
CAROLINA APPAREL GROUP INC	1	1	2
CAROLINA BAY OF WILMINGTON LLC	5	5	10
CAROLINA BEACH TOWN OF	2	2	4
CAROLINA COUNTRY CLUB	3	3	6
CAROLINA CRATE & PALLET INC	3	3	6
CAROLINA DAIRY LLC	3	3	6
CAROLINA EGG CO INC	1	1	2
CAROLINA ELECTRONIC ASSEMBLERS	1	1	2
CAROLINA EYE ASSOCIATES PA	1	1	2
CAROLINA ICE INC	4	4	8
CAROLINA INNOVATIVE FOOD INGRE	3	3	6
CAROLINA METAL RECYCLERS INC	3	2	5
CAROLINA PRESERVE BY DEL WEBB	4	4	8
CAROLINAS HEALTHCARE SYSTEM	1	1	2
CARQUEST OF SRONCE	2	2	4
CARTERET CO BD OF ED	6	6	12
CARTERET COMMUNITY COLLEGE	16	16	32
CARTERET COUNTY FINANCE	1	1	2
CARTERET GENERAL HOSPITAL	18	18	36
CARY TOWN OF	24	24	48
CASCADES HOLDING US INC	7	7	14

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CASE FARMS	15	15	30
CATALENT PHARMA SOLUTIONS LLC	16	20	36
CATERPILLAR INC	19	18	37
CECIL BUDD TIRE COMPANY LLC	1	1	2
CEGM MORRISVILLE LLC	1	1	2
CERTAINTED CORPORATION	5	5	10
CERTAINTED GYPSUM NC INC	3	3	6
CFVH - BLADEN HEALTHCARE	11	11	22
CHARTER COMMUNICATIONS INC	1	1	2
CHATHAM CO BOARD OF EDUCATION	23	23	46
CHATHAM CO	1	1	2
CHATHAM HOSPITAL INC	3	3	6
CHERRY HOSPITAL	19	19	38
CHROMA COLOR CORPORATION	3	1	4
CINCINNATI THERMAL SPRAY INC	1	1	2
CITRIX SYSTEMS INC	3		3
CITY OF HENDERSON	2	2	4
CITY OF RALEIGH PARKS REC DEPT	28	28	56
CL CARY LLC	3	3	6
CLIFFORD W ESTES CO INC	3	3	6
CLINTON CITY BD OF ED	8	8	16
CLINTON CITY OF	3	3	6
CM TUCKER LUMBER OF NC LLC	3	3	6
CMC CORPORATION	1	1	2
CMS FOOD SOLUTIONS INC	1	1	2
COAST LAMP MANUFACTORY	2	2	4
COASTAL CAR COMM COLL RES BLD	1	1	2
COASTAL CAROLINA COMM COLLEGE	13	13	26
COASTAL FEDERAL CREDIT UNION	1	1	2
COATINGS AND ADHESIVES CORP	7	7	14
COBB VANTRESS INC	1	1	2
COKER FEED MILL INC	1	1	2
COLUMBUS COUNTY SCHOOLS	11	11	22
COLUMBUS REG HEALTHCARE SYSTEM	3	3	6
COMFORT TECH INC	1	1	2
CONESTOGA WOOD SPECIALTIES	2	2	4
CONSOLIDATED METCO INC	5	5	10
COOPER INDUSTRIES INC	2	2	4
CORE-MARK DISTRIBUTORS INC	2	2	4
CORNELIA NIXON DAVIS INC	6	6	12
CORNING INC	4	4	8
CORTEK	4	4	8
COSTCO	4	4	8
COTTLE STRAWBERRY NURSERY INC	8	8	16
COTY US LLC	7	7	14
COUNCIL TOOL CO INC	5	5	10
COUNTRY CLUB OF LANDFALL	14	14	28
COUNTY OF WAYNE	1	1	2
COURTYARD BY MARRIOTT	2	2	4
COVIA HOLDINGS CORPORATION	6	6	12
CPI USA NORTH CAROLINA LLC	1	1	2
CRAVEN CO BD OF ED	15	19	34

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CRAVEN CO JUSTICE CENTER	2	2	4
CRAVEN CO WOOD ENERGY LP		2	2
CRAWFORD KNITTING INC	1	1	2
CROP PRODUCTION SERVICES INC	1	1	2
CRUMPLER PLASTIC PIPE INC	8	8	16
CSX TRANSPORTATION	2	2	4
CTC FURNITURE DISTRIBUTORS INC	1	1	2
CUMBERLAND CNTY HOSPITAL SYS	1	1	2
CUMBERLAND CO BD ED	31	31	62
DAK AMERICAS LLC	8	8	16
DALIAH PLASTICS CORP	4	4	8
DAY INTERNATIONAL INC	3	3	6
DCI INC	2	2	4
DEERE & COMPANY	3	3	6
DEERFIELD EPISCOPAL RETIREMENT	18	19	37
DENNISON WYNDHAM V	1	1	2
DEPT OF HEALTH & HUMAN RESOURC	33	33	66
DESCO INDUSTRIES INC	4	4	8
DEVIL DOG MFG CO INC	1	2	3
DIRECT PACK EAST LLC	2	2	4
DLP CCMC LLC	1	1	2
DOMTAR PAPER COMPANY LLC	4	4	8
DRPFC I LLC	5	5	10
DUKE UNIV HEALTH SYSTEM INC	25	25	50
DUKE UNIVERSITY MARINE LAB	1	1	2
DUNN CITY OF	3	6	9
DUPLIN CO BD OF ED	10	10	20
DUPLIN GENERAL HOSP	3	3	6
DUPONT INDUSTRIAL BIOSCIENCES	15	15	30
DYNAPAR CORP	4	4	8
E CAROLINA METAL TREATING INC	3	3	6
EAGLE SPORTSWEAR LLC	2	3	5
EATON CORPORATION	21	21	42
EDELBROCK LLC	1	1	2
EDWARDS WOOD PROD INC ALAMANCE	4	4	8
EDWARDS WOOD PRODUCTS INC	16	16	32
ELASTIC THERAPY INC	3	1	4
ELECTRO SWITCH CORPORATION	1	1	2
ELEMENTIS CHROMIUM INC	4	4	8
ELKAY SOUTHERN PLANT 2	1	1	2
ELKINS SAWMILL INC	3	3	6
EMC CORPORATION	4	4	8
EMERGEORTHO PA	2	2	4
EMERSON AUTOMATION SOLUTIONS	3	3	6
ENERGIZER BATTERY MANUFACTURIN	9	9	18
ENTERPRISE PROPANE TERM & STOR	5	5	10
ENVIVA PELLETS HAMLET LLC	7	7	14
ENVIVA PELLETS SAMPSON LLC	1	1	2
ENVIVA PORT OF WILMINGTON LLC	4	4	8
EPC COLUMBIA INC		3	3
ERICO INC	6	6	12
EVERGREEN PACKAGING INC	4	4	8

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EXTREME NETWORKS INC	1	1	2
F7 WEST LLC	4	4	8
FAYETTEVILLE TECH COMM COLL	2	2	4
FCC (NC) LLC	9	9	18
FENNER DRIVES	1	1	2
FIRST BAPTIST CH OF ASHE INC	1	1	2
FIRST CITIZENS BANK & TRUST CO	4	5	9
FIRST CITIZENS BANK	1	1	2
FIRSTHEALTH OF THE CAROLINAS	48	48	96
FLETCHER BUSINESS PARK LLC		1	1
FLETCHER HOSPITALITY LLC		1	1
FLEXENTIAL CORP	3	3	6
FLOCO FOODS INC	1	1	2
FLOWSERVE US INC	1	1	2
FLYING J INC	1	1	2
FOOD LION LLC	167	165	332
FORTRON INDUSTRIES LLC	1	1	2
FOUNTAIN POWER BOATS INC	5	5	10
FOUR SEASONS MNGMT SVCS INC	6	6	12
FRANKLIN BAKING COMPANY LLC	12	12	24
FRANKLIN COUNTY SCHOOLS	5	5	10
FRESH BUY INC	2	2	4
FRESH FOODS LLC	3	5	8
FRONTIER YARNS INC	20	20	40
FUJIFILM DIOSYNTH BIOTEC USA	6	8	14
FULCHER'S POINT PRIDE SEAFOOD	3	3	6
FUQUAY-VARINA TOWN OF	3	3	6
GALE FORCE SPORTS & ENTERTAIN	16	16	32
GALLOWAY RIDGE INC	17	17	34
GENERAL ELECTRIC CO	9	9	18
GENERAL INDUSTRIES INC	4	5	9
GENERAL PARTS DIST LLC	1	1	2
GENERAL SHALE BRICK INC	9	9	18
GENERAL TIMBER INC	4	4	8
GEORGIA PACIFIC WOOD PROD LLC	1	1	2
GEORGIA-PACIFIC CORP	2	2	4
GH CRESCENT GREEN INC	1	1	2
GIBRALTAR PACKAGING GROUP INC	4	4	8
GILDAN YARNS LLC	3	3	6
GIVENS ESTATES INC	12	12	24
GIVENS HIGHLAND FARMS LLC	15	16	31
GKN DRIVELINE N AMERICA INC	5	5	10
GLAXOSMITHKLINE	6	6	12
GLEN RAVEN MILLS INC	2	2	4
GLENAIRE INC		6	6
GLENWOOD ASSET MANAGEMENT LLC	1	1	2
GLENWOOD PLACE VENTURES LLC	1	1	2
GLOBAL PACKAGING INC	1	1	2
GODWIN MFG CO INC	14	14	28
GOLD BOND BUILDING PRODUCT LLC		2	2
GOLDSBORO CITY OF	3	3	6
GOLDSBORO HOUSING AUTHORITY	3	3	6

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GOLDSBORO MILLING CO	14	14	28
GRANITE FALLS SWIM/ATHL CLUB	2	2	4
GREATER ASHEVILLE REG AIRPORT	1	1	2
GREDE II LLC	8	8	16
GREENE COUNTY MANAGER	1	1	2
GRIFOLS THERAPEUTICS LLC	37	37	74
H & H FURNITURE MFG INC	2	3	5
HAM PRODUCE LLC	5	5	10
HANESBRANDS INC	2	2	4
HANSON AGGREGATES SE LLC	33	33	66
HAPPY JACK INC	1	1	2
HARDEN ROAD ASSOCIATES	1	1	2
HARGER LIGHTNING & GROUNDING	1	1	2
HARNETT CO BD OF ED	27	27	54
HARNETT CO PUBLIC UTIL	9	9	18
HARNETT CO SHERIFF OFFICE	1	1	2
HARNETT HEALTH SYSTEM INC	19	19	38
HARRIS PRINTING CO INC	3	3	6
HARRIS TEETER INC	21	28	49
HASTY PLYWOOD CO	3	3	6
HAVELOCK CITY OF	1	1	2
HAYWOOD COUNTY LOCAL GOV	1	1	2
HAYWOOD REGIONAL MEDICAL CNTR	5	6	11
HCL AMERICA INC	1	1	2
HEATMASTERS LLC	3	3	6
HERAEUS QUARTZTECH AMERICA LLC	1	1	2
HEXION INC D/I/P	1	1	2
HIGHWOODS JOINT VENTURE	1	1	2
HIGHWOODS REALTY LP	19	19	38
HJH ASSOCIATES	1	1	2
HOG SLAT INC	7	7	14
HOLLY SPRINGS TOWN OF	1	1	2
HOME CARE PRODUCTS LLC	1	1	2
HOME DEPOT USA INC	2	2	4
HOOD PACKAGING CORPORATION	2	2	4
HOPE COMMUNITY CHURCH OF NC INC	1	2	3
HORNWOOD INC	3	3	6
HOUSE OF RAEFORD FARMS INC	17	17	34
HOUSING AUTH CITY OF RALEIGH	2	2	4
HP ASHEVILLE LLC		1	1
HUGHES FURNITURE INDUSTRIE INC	2	2	4
HULSING HOTELS INC	12	12	24
HUVEPHARMA INC	2	2	4
HYDRO TUBE ENTERPRISES INC	1	1	2
IMMEDION LLC	5	2	7
INGERSOLL-RAND	1	1	2
INGLES MARKETS INC	117	118	235
INN ON BILTMORE ESTATE INC	1	1	2
INNOVATIVE LAMINATIONS CO	1	1	2
INTERNATIONAL BROADCAST BUREAU	1	1	2
INTERNATIONAL PAPER COMPANY	12	12	24
J & D WOOD INC	3	3	6

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J A MCNEILL & SONS	1	1	2
J C HOWARD FARMS LLC	8	8	16
J P TAYLOR COMPANY LLC	4	4	8
J&J SNACK FOODS HANDHELDS CORP	3	3	6
JACKSONVILLE CITY OF	4	4	8
JACOB HOLM IND AMERICA INC	4	4	8
JOHNSON BROTHERS OF NC INC	2	2	4
JOHNSTON CO BOARD OF EDUCATION	72	76	148
JOHNSTON CO PUBLIC UTILITIES	2	2	4
JOHNSTON MEM HOSPITAL AUTH	1	1	2
JORDAN LUMBER & SUPPLY INC	22	22	44
JOVC FOOD CORP INC		1	1
KAYSER-ROTH CORPORATION	8	8	16
KENNAMETAL INC	2	2	4
KESSLER ASHEVILLE LLC	1	1	2
K-FLEX USA LLC	10	10	20
KING CHARLES INDUSTRIES LLC	2	2	4
KINGS HOLDINGS 4 LLC	4	4	8
KINGSLAND REALTY LLC	1	1	2
KLAUSSNER FURN IND INC	9	24	33
KOOPMAN DAIRIES INC	4	4	8
KORDSA INC	4	4	8
KRYOCAL LLC	3	3	6
LAKE JUNALUSKA ASSEMBLY INC	51	50	101
LAKE PARTNERS LLC	2	2	4
LANCER INC	5	5	10
LAURINBURG-MAXTON AIRPORT	12	14	26
LAZAR INDUSTRIES LLC	4	4	8
LEAR CORPORATION	8	8	16
LEE BRICK & TILE COMPANY	9	9	18
LEE COUNTY GENERAL SERVICES	1	2	3
LEE IRON & METAL CO	5	3	8
LENOIR CO BD OF EDUCATION	10	10	20
LEWIS SAUSAGE CO INC	1	1	2
LIBERTY COMMONS WARREN CO LLC	1	1	2
LIBERTY HEALTHCARE SERVICES	2	2	4
LIDL US OPERATIONS LLC	5	5	10
LIFEWAY CHRISTIAN RESOURCES OF	11	11	22
LINAMAR NORTH CAROLINA INC	4	4	8
LINPRINT CO	1	1	2
LIVE OAK BANKING COMPANY		1	1
LOCAL GOVERNMENT FED CREDIT UN	1	1	2
LONERIDER BREWING COMPANY	1	1	2
LORD CORPORATION	5	5	10
LOUISBURG COLLEGE INC	12	12	24
LOUISE WELLS CAMERON ART MUSEU	4	4	8
LOUISIANA PACIFIC CORP	5	5	10
LOW & BONAR INC	1	1	2
LOWER CAPE FEAR WATER & SEWER	1		1
LOWES COMPANIES INC	34	34	68
LOWES FOODS LLC	27	27	54
LOWES HOME CENTERS LLC	1	1	2

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LTF CLUB OPERATIONS CO INC		1	1
LUMBERTON CELLULOSE LLC	6	6	12
M ADLER'S SON INC	1	1	2
MAGNETI MARELLI USA INC	7	7	14
MANHATTAN AMERICAN TERRAZO	1	1	2
MANUFACTURING METHODS LLC		1	1
MARS PETCARE US INC	10	10	20
MARTIN MARIETTA MATERIALS INC	63	63	126
MAS US HOLDINGS INC	2	2	4
MAY FURNITURE INC	3	3	6
MCDOWELL LUMBER CO INC	11	11	22
MCGILL ENVIRONMENTAL SYS OF NC	1	1	2
MCLAMBS ABATTOIR AND MEATS INC	1	1	2
MCMURRAY FABRICS INC	7	7	14
MEASUREMENTS GROUP INC	4	4	8
MEDICAL ACTION INDUSTRIES INC	1	1	2
MEDICAL SPECIALTIES INC	1	1	2
MEMORIAL MISSION HOSPITAL INC	1	1	2
MEREDITH COLLEGE	6	6	12
MERITOR HEAVY VEHICLE SYS LLC	2	2	4
MERTEK SOLUTIONS INC	3	3	6
MESTEK INC		3	3
METAL-CAD & STEEL FRAMING	1	1	2
METCHEM LLC	1	1	2
METHODIST UNIVERSITY	48	48	96
METROPOLITAN LIFE INS CO	2	3	5
METROPOLITAN SEWAGE DISTRICT	5	5	10
MHG ASHEVILLE ACH LLC	1	1	2
MHG ASHEVILLE AL LP	1	1	2
MICRO LAND GROUP LLC	1	1	2
MICROSPACE COMM CORP	1	1	2
MILKCO INC		4	4
MINE SAFETY APPL CO INC	1	1	2
MISSION HEALTH SYSTEM INC	21	21	42
MISSION ST JOSEPH HEALTH SYS	1	1	2
MISSION ST JOSEPH HOSPITAL	1	1	2
MITCHELL CO BD OF ED	3	3	6
MMIC-TL INC PARTNERS LLC	1	1	2
MOEN INC	8	8	16
MONTGOMERY COUNTY OF	2	2	4
MOORE COUNTY SCHOOLS	19	19	38
MOORE COUNTY	1	3	4
MOUNTAIRE FARMS INC	45	39	84
MT OLIVE PICKLE CO	18	18	36
MULE CITY SPEC FEED INC	2	2	4
MURPHY BROWN LLC	1	1	2
N C TELEVISION INC	1	1	2
N RALEIGH CHRISTIAN ACADEMY	1	3	4
NASH COMMUNITY COLLEGE	6	6	12
NASH COUNTY MANAGERS OFFICE	1	1	2
NASH COUNTY	1	1	2
NASH ROCKY MOUNT BD OF ED	26	26	52

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NATIONAL SPINNING CO INC	7	7	14
NATIONAL WIPER ALLIANCE INC	1	1	2
NATURAL BLEND VEG DEHYDR LLC	1	1	2
NATURES WAY FARMS INC	1	1	2
NC AQUARIUM	2	3	5
NC DEPT OF AGRICULTURE	3	3	6
NC DEPT OF MENTL HEALTH	1	1	2
NC DEPT OF PUBLIC SAFETY	60	59	119
NC ELECTRIC MEMBERSHIP CORP		1	1
NC FARM BUREAU FEDERATION	1	1	2
NC NATIONAL GUARD	2	2	4
NC PORT EXPANSION FUND 1	1	1	2
NC RENEWABLE PWR LUMBERTON LLC	5	5	10
NC STATE FAIRGROUNDS	6	6	12
NC STATE PORTS AUTH	13	14	27
NC STATE PORTS AUTHORITY	34	34	68
NC STATE UNIVERSITY	133	133	266
NC STATE VETERANS HOME	2	2	4
NC WILDLIFE COMMISSION	1	1	2
NESBITT ASHEVILLE VENTURE LLC	2	2	4
NEW BELGIUM BREWING CO INC	3	3	6
NEW GENERATION YARN CORP	1	1	2
NEW HANOVER CO BD OF ED	62	71	133
NEW HANOVER REGIONAL MED CTR	33	33	66
NG PURVIS FARMS INC	3	3	6
NHC PROPERTY MANAGEMENT		2	2
NOBLE OIL SERVICES	5	5	10
NOMACO INC	4	4	8
NORCRAFT COMPANIES LP	3	3	6
NORTH CAROLINA MFG CO INC	1	1	2
NORTH HILLS TOWER II LLC	3	3	6
NORTH STATE TECH SOLUTIONS	2	2	4
NORTHEAST FOODS INC	1		1
NOVIPAX LLC	4	4	8
NOVO NORDISK PHARMACEUTICAL	14	14	28
NOVOZYMES NORTH AMERICA INC	6	6	12
NYPRO ASHEVILLE INC	3	3	6
OBERLIN INVESTORS LLC	1	1	2
OFFICE OF INFOR TECH SVCS	5	5	10
OLIVER RUBBER COMPANY	2	2	4
OMNI GROVE PARK LLC	21	21	42
ONSLow CO BD OF COMM	8	8	16
ONSLow CO BD OF EDUC	26	26	52
ONSLow MEMORIAL HOSPITAL AUTH	2	2	4
ONSLow WATER AND SEWER AUTH	5	5	10
ORACLE AMERICA INC	3	3	6
OWENS & MINOR	1	1	2
OXFORD CITY OF		1	1
P G & C INC	1	2	3
P&A INDUSTRIAL FABRCATIONS LLC		2	2
P/W OF NASHVILLE INC	2	2	4
PACon MANUFACTURING CORP	5	5	10

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PACTIV LLC	1	1	2
PAK A SAK FOOD STORES	1	1	2
PALLET EXPRESS INC	4	5	9
PALZIV NORTH AMERICA INC	1	1	2
PAPA JOHNS USA INC		1	1
PARADIGM ANALYTICAL	1	1	2
PARK COMMUNICATIONS LLC	3	3	6
PARK N SHOP FOOD MART INC	4	4	8
PARKDALE AMERICA LLC	4	4	8
PARKS FAMILY MEATS LLC	1	1	2
PARRISH & RONE INC	1	1	2
PCS PHOSPHATE CO INC	5	5	10
PENDER CO BD OF ED	11	21	32
PENDER MEMORIAL HOSPITAL INC	7	7	14
PENICK VILLAGE INC	13	13	26
PENTAIR WATER POOL AND SPA INC	11	11	22
PEPSI BOTTLING VENTURES LLC	13	13	26
PERDUE FARMS INC	28	28	56
PERSON CO BD OF ED	2	2	4
PETROLEUM TANK CO	2	2	4
PFIZER INC	46	52	98
PHOENIX LTD PARTNERSHIP	1	1	2
PIEDMONT NATURAL GAS CO	1	1	2
PIEDMONT NATURAL GAS	2	2	4
PILGRIMS PRIDE CORPORATION	16	16	32
PILKINGTON	2	2	4
PINEHURST COUNTRY CLUB LLC	1	1	2
PINEHURST LLC	87	88	175
PINEHURST MEDICAL CLINIC	2	2	4
PINEHURST SURGICAL CLINIC PA		1	1
PIONEER HI BRED INC	4	4	8
PLASTEK IND INC (PA) NC	6	6	12
PLASTICARD PRODUCTS INC	2	2	4
POLYMER GROUP INC	8	8	16
POLYZEN INC	1	1	2
POP 150 FAYETTEVILLE LLC	3	3	6
PORT CITY COMMUNITY CHURCH	3	3	6
PPD DEVELOPMENT L.P.	4	4	8
PR II DRP WADE III OWNER LLC	1	1	2
PR II DRP WADE IV OWNER LLC	1	1	2
PR II WADE PARK LLC	3	3	6
PRAXAIR INC	3	3	6
PRECISION HYDRAULIC CYL INC	12	12	24
PRECISIONAIRE INC	3	3	6
PREMIERE FIBERS LLC	8	8	16
PRESTAGE AGENERGY OF NC LLC	1	2	3
PRESTAGE FARMS INC	35	35	70
PRESTIGE FABRICATORS INC	1	3	4
PRESTON TAYLOR FOOD INC	2	2	4
PRINTLOGIC LLC	3	3	6
PRO PALLET SOUTH INC	1	1	2
PROTO LABS INC		1	1

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PSNC ENERGY	1	1	2
PUBLIC SCHOOLS OF ROBESON CO	31	31	62
PUBLIX NORTH CAROLINA LP	21	21	42
QUALITY CHEMICAL LABORATRS LLC	2	2	4
QUALITY TEXTILE SERVICES INC	1	1	2
RAEFORD CITY OF	1	1	2
RAILROAD FRICTION PRODUCT CORP	5	5	10
RALEIGH 1 LP	6	6	12
RALEIGH CITY OF	16	16	32
RALEIGH DURHAM OFFICE PARTNERS	4	4	8
RALEIGH FITNESS & WELLNESS	1	1	2
RALEIGH HOTEL OPERATOR INC	1	1	2
RANDOLPH COUNTY	10	10	20
RANDOLPH HOSPITAL INC D/I/P	2	19	21
RAVEN ANTENNA SYSTEMS INC	1	1	2
RC CREATIONS LLC	2	2	4
RD AMERICA LLC	1	1	2
RDU AIRPORT AUTHORITY	8	8	16
RED HAT INC	2	2	4
RED WOLF COMPANY LLC		1	1
REDDY ICE CORP	6	2	8
REGAL CINEMAS	1	1	2
REGAL ENTERTAINMENT GROUP	2	1	3
REICH LLC	2	2	4
RELIANCE PACKAGING LLC	7	8	15
RESINART EAST INC	1	1	2
REVLON CONSUMER PRODUCTS CORP	3	3	6
REX HEALTH CARE INC	18	18	36
REX MOB PARTNERS LLC	1	1	2
RICHMOND COUNTY BOARD OF COMM	2	2	4
RICHMOND COUNTY SCHOOLS	9	9	18
RICHMOND COUNTY	1	1	2
ROBESON CO HEALTH SERVICE	1	1	2
ROBESON CO WATER PLANT	6	6	12
ROBESON COUNTY DSS	1	1	2
ROCKINGHAM CITY OF	9	9	18
RODECO CO	2	2	4
ROYAL TEXTILE MILLS INC	1	1	2
RSE INDEPENDENCE LLC	19	19	38
RV MANAGEMENT SERVICES LLC		2	2
S B SMITH & SON INC	4	4	8
S T & F PRECISION INC	1	1	2
S T WOOTEN CORPORATION	18	18	36
SAAB BARRACUDA LLC	6	6	12
SAGE & EVANS INC	1	1	2
SAGENT PHARMACEUTICALS INC	2	2	4
SAINT JOSEPH OF THE PINES INC	21	21	42
SAMPSON CO HEALTH	1	1	2
SAMPSON CO LAW ENFORCEMENT	1	1	2
SAMPSON REGIONAL MEDICAL CTR	3	3	6
SANDERSON FARMS INC	12	12	24
SANDHILLS COMM COLLEGE		12	12

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SANFORD CITY OF	5	5	10
SANFORD LEE CO BD OF ED	23	42	65
SANFORD MILLING CO INC	2	2	4
SAPONA MFG CO INC	2	2	4
SAS INSTITUTE INC	55	54	109
SCHINDLER ELEVATOR CORP	2	2	4
SCOTLAND CONTAINER INC	2	2	4
SCOTLAND MANUFACTURING	1	1	2
SEPARATION TECHNOLOGIES LLC	2	2	4
SEQIRUS INC	2	2	4
SFM LLC		1	1
SHAW UNIVERSITY	9	9	18
SIBELCO NORTH AMERICA INCORPOR	45	45	90
SIEMENS MEDICAL SOLUTIONS	3	3	6
SILAR LABORATORIES INC	1	1	2
SILER CITY TOWN OF	2	2	4
SILVER LINE PLASTICS CORP	10	10	20
SINCLAIR BROADCAST GROUP INC	1	1	2
SIX FORKS OFFICE LLC		1	1
SMITHFIELD FRESH MEATS	14	14	28
SMOKY MOUNTAIN MACHINING INC	3	3	6
SNEEDEN NORMAN E	2	2	4
SONOCO PRODUCTS CO	1	1	2
SOUTH RIVER EMC COMM ASST CORP	1	1	2
SOUTHCO INC OF NC	1	1	2
SOUTHEASTERN CONTAINER INC	1	1	2
SOUTHEASTERN REGIONAL MED CTR	4	4	8
SOUTHERN CONCRETE MATERIAL INC	14	14	28
SOUTHERN FABRICATORS INC	4	4	8
SOUTHERN PINES TOWN OF	3	3	6
SOUTHERN PRODUCTS & SILICA CO	6	6	12
SOUTHERN STATES CHEMICAL INC	3	3	6
SOUTHERN VENEER SPEC PROD LLC	8	8	16
SPANSET INC	1	1	2
SPECTRUM PROP MANAGEMENT CO	1	1	2
SPIRIT AEROSYSTEMS INC	2	2	4
SPORTS FACTORY LLC	2	2	4
SPRING LAKE TOWN OF		1	1
SPUNTECH INDUSTRIES INC	2	2	4
SPX FLOW TECHNOLOGY SYSTEMS	1	1	2
ST ANDREWS PRESBYTERIAN COLL	5	5	10
ST. DAVIDS SCHOOL	6	6	12
STAN JOHNSON & ASSOCIATES LLC	6	6	12
STANADYNE INC	3	3	6
STARPET INC	7	7	14
STATIC CONTROL COMP INC	5	5	10
STEEL & PIPE CORP	1	2	3
STEPAN COMPANY		1	1
STEVEN ROBERTS ORIGINAL	2	2	4
STI POLYMER INC	1	1	2
STORM CLOUDS BREWING LLC	1	1	2
SUMITOMO ELECTRIC LIGHTWAVE CO	1	1	2

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SUMMIT HOTEL TRS 123 LLC	1	1	2
SUN LIFE ASSURANCE CO OF CANAD	1	1	2
SUNBRIDGE REGENCY NC LLC	2	2	4
SUNRISE SENIOR LIVING	1	1	2
SUPERIOR MODULAR PRODUCT INC	1	1	2
SUPERIOR PLASTICS EXTRUSION	1	1	2
SUPERTEX INC	4	4	8
SURGERY CENTER OF PINEHURST	1	1	2
SURGICAL CARE AFFILIATES	1	1	2
SURTRONICS	3	3	6
SVT VENTURES LP	1	1	2
SYRACUSE PLASTIC OF NC INC	1	1	2
TALBERT BUILDING SUPPLY INC	1	1	2
TARGET STORES	4	18	22
TAYLOR DEVELOPMENT GROUP LLC	2	2	4
TE CONNECTIVITY CORPORATION	4	4	8
TECHNIMARK LLC	5	5	10
TESLA INC	1	1	2
THE ATRIUM AT BLUE RIDGE LLC	1	1	2
THE BILTMORE COMPANY	3	3	6
THE CHEESECAKE FACTORY	1	1	2
THE CHEMOURS COMPANY FC LLC	12	12	24
THE COUNTRY CLUB OF NC INC	1	1	2
THE CYPRESS OF RALEIGH	9	9	18
THE HARRELSON BUILDING INC		1	1
THE MARTIN BROWER COMPANY LLC	1	1	2
THE NEWS REPORTER CO INC	1	1	2
THE PORK COMPANY	1	1	2
THE QUARTZ CORP USA	19	19	38
THE SEFA GROUP INC	2	2	4
THE SUMMIT LAKE BOONE LLC	1	1	2
THE THREE RING BREWING CO LLC		2	2
THE UMSTEAD	1	1	2
THERMAL METAL TREATING INC	1	1	2
THERMOFISHER SCI ASHEVILLE LLC	1	1	2
TIERPOINT LLC	4	4	8
TIME WARNER CABLE SE LLC	3	3	6
TIPPER TIE INC	4	4	8
TOP TOBACCO LP	3	3	6
TOWN SQUARE WEST LLC	7	7	14
TRAM LUMBER LLC	3	3	6
TRAMWAY VENEERS INC	1	1	2
TRANS CAROLINA PRODUCTS LLC	1	1	2
TREEHOUSE FOODS INC	6	6	12
TRIANGLE AQUATIC CENTER	1	1	2
TRIANGLE BRICK CO	7	7	14
TRINITY MANUFACTURING INC	7	7	14
TROTTERS SEWING COMPANY INC		1	1
TROY LUMBER CO	18	18	36
TROY POLYMER INC	1	1	2
TUCSON CARY LLC	1	1	2
TURN BULL LUMBER COMPANY	1	1	2

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TYSON FOODS INC	4	4	8
U S REIF 4700 FALLS NC LLC	1	1	2
UCHIYAMA MANUF AMERICA LLC	3	3	6
UNC AT ASHEVILLE	8	8	16
UNC HEALTH CARE SYSTEM	2	3	5
UNC INSTITUTE OF MARINE SCI	3	3	6
UNC PUBLIC TV OF NC	1	1	2
UNCW	22	26	48
UNILEVER MANUFACTURING US INC	7	7	14
UNILIN NORTH AMERICA LLC	3	3	6
UNILIN US MDF	12	12	24
UNISON ENGINE COMPONENTS INC	5	5	10
UNITED PARCEL SERVICE INC	1	1	2
UNITED STATES COLD STORAGE INC	8	8	16
UNIV OF NC HOSPITALS	1	1	2
UNIVERSAL HEALTHCARE N RAL INC	1	1	2
UNIVERSAL LEAF NORTH AMERICA	6	6	12
UNIVERSITY OF NC AT PEMBROKE	15	15	30
UNIVERSITY RESEARCH UNIT	1	1	2
URETHANE INNOVATORS INC		1	1
US ARMY FORT BRAGG	9	9	18
US ARMY	1	1	2
US DEPT OF AIR FORCE	3	3	6
US FLUE CURED TOBACCO GROWERS	1	1	2
US MARINE CORP	3	3	6
US MARINE CORPS	6	6	12
US POST OFFICE	3	3	6
US REIF REGENCY I	1	1	2
US VETERANS ADMIN HOSPITAL	3	3	6
USS NC BATTLESHIP COMM	2	2	4
UWHARRIE FRAME MFG LLC	2	2	4
UWHARRIE LUMBER CO	3	3	6
VALLEY PROTEINS INC	17	17	34
VANDERBILT MINERALS LLC	4	4	8
VANGUARD CULINARY GROUP LTD	1	1	2
VENEER TECHNOLOGIES INC	6	6	12
VESCOM AMERICA INC	4	4	8
VICTAULIC CO OF AMERICA	2	2	4
VILLARI BROS FOODS LLC	1	1	2
VINVENTIONS USA LLC	3	3	6
VONDREHLE CORP	9	9	18
VULCAN CONST MATERIALS LP	27	19	46
W N WILDER CO INC	1	1	2
WADE MANUFACTURING COMPANY	8	8	16
WAKE CO HOSP SYSTEM INC	4	4	8
WAKE COUNTY BOARD OF EDUCATION	220	220	440
WAKE COUNTY GENERAL SERVICES	21	21	42
WAKE STONE CORP	21	21	42
WAKE TECHNICAL COMM COLLEGE	32	32	64
WAKEFIELD REX INVESTORS MOBLLC	1	1	2
WAKEMED FACILITIES SVC	2	2	4
WAKEMED PROPERTY SERVICES	15	15	30

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WAKEMED	6	6	12
WAL MART PDC #6091	4	4	8
WALLACE TOWN OF	1	1	2
WALMART STORES INC	80	80	160
WALNUT CREEK AMPHITHEATER	1	1	2
WARP TECHNOLOGIES INC	2	2	4
WARREN CO BD OF ED	4	4	8
WAYCO HAM COMPANY	2	2	4
WAYNE CO PUBLIC SCHOOLS	1	1	2
WAYNE COMMUNITY COLLEGE	1	1	2
WAYNE COUNTY	4	4	8
WAYNE MEMORIAL HOSPITAL INC	11	11	22
WAYNESVILLE TOWN OF	1	1	2
WEGMANS FOOD MARKETS INC	1	1	2
WELLS FARGO BANK NA	2	2	4
WEST FRASER INC	11	11	22
WESTERN NC HEALTHCARE INNO III	1	1	2
WESTERN NC HEALTHCARE INNO LLC	1	1	2
WEYERHAEUSER NR COMPANY	6	6	12
WHITEVILLE FABRICS LLC	4	4	8
WHOLE FOODS MARKET GROUP INC	6	6	12
WILLIAM BARNET & SON INC	5	5	10
WILLIAMS PROPERTY GROUP INC	1	1	2
WILMINGTON CITY OF	1	1	2
WILMINGTON HEALTH PLLC	4	4	8
WILMINGTON HOTEL ASSOC CORP	2	2	4
WILMINGTON INTL AIRPORT	20	20	40
WILMINGTON MACHINERY INC	1	1	2
WILSONART INTERNATIONAL	6	6	12
WINDSTREAM COMMS LLC	2	2	4
WIRTHWEIN NEW BERN CORP	3	3	6
WRDC LLC	1	1	2
WRIGHT MACHINE & TOOL CO INC	1	1	2
WRIGHTSVILLE BEACH BREWERY LLC	1	1	2
YALE INDUSTRIAL PRODUCTS INC	1	1	2
YAMCO LLC	1	1	2
YMCA OF THE TRIANGLE AREA	5	5	10
YMCA OF WESTERN NORTH CAROLINA		1	1
Grand Total	5,233	5,441	10,674

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Duke Energy Progress, LLC
List of Industrial and Commercial Customers Opted Into Vintage 2020
Docket E-2, Sub 1273

Customer Bill Name	Number of Accounts	
	EE YR 20 (JAN 1 - DEC 31)	DSM YR 20 (JAN 1 - DEC 31)
ASHEBORO CITY SCHOOLS	10	
ATLANTIC CORP OF WILM INC	2	
CAROLINA METAL RECYCLERS INC		1
FIRST CITIZENS BANK & TRUST CO	1	
FOOD LION LLC	1	
HOME DEPOT USA INC	1	
MOUNTAIRE FARMS		5
NEW HANOVER CO BD OF ED	1	
NHC PROPERTY MANAGEMENT	1	
RED WOLF COMPANY, LLC	1	
TARGET STORES	4	
WILMINGTON CITY OF	1	
Grand Total	23	6

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EM&V Activities**Planned Evaluation, Measurement and Verification (EM&V) Activities through the rate period (Dec. 31, 2022)**

Evaluation is a term adopted by Duke Energy Progress (DEP) and refers generally to the systematic process of gathering information on program activities, quantifying energy and demand impacts, and reporting overall effectiveness of program efforts. Within evaluation, the activity of measurement and verification (M&V) refers to the collection and analysis of data at a participating facility/project. Together this is referred to as "EM&V."

Refer to the accompanying Evans Exhibit 11 chart for a schedule of process and impact evaluation analysis and reports that are currently scheduled.

Energy Efficiency Portfolio Evaluation

DEP has contracted with independent, third-party evaluation consultants to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the energy and demand impacts of the residential and non-residential energy efficiency programs.

Typical EM&V activities:

- Develop evaluation action plan
- Process evaluation interviews
- Collect program data
- Verify measure installation and performance through surveys and/or on-site visits
- Program database review
- Impact data analysis
- Reporting

The process evaluation provides unbiased information on past program performance, current implementation strategies and opportunities for future program improvements. Typically, the data collection for process evaluation consists of surveys with program management, implementation vendor(s), program partner(s), and participants; and, in some cases, non-participants. A statistically representative sample of participants will be selected for the analysis.

The impact evaluation provides energy and demand savings resulting from the program. Impact analysis may involve engineering analysis (formulas/algorithms), billing or AMI consumption analysis, statistically adjusted engineering methods, and/or building simulation models, depending on the program and the nature of the impacts. Data collection may involve surveys and/or site visits. A statistically representative sample of participants is selected for the analysis. Duke Energy Progress intends to follow industry-accepted methodologies for all measurement and

verification activities, consistent with International Performance Measurement Verification Protocol (IPMVP) Options A, C or D depending on the measure.

The field of evaluation is constantly learning from ongoing data collection and analysis, and best practices for evaluation, measurement and verification continually evolve. As updated best practices are identified in the industry, DEP will consider these and revise evaluation plans as appropriate to provide accurate and cost-effective evaluation.

Demand Response Program Evaluation

DEP has contracted with independent, third-party evaluation consultants to provide an independent review of the evaluation plan designed to measure the demand impacts of the residential and non-residential demand response programs and the final results of that evaluation.

Typical EM&V activities:

- Collect program data
- Process evaluation interviews
- Verify operability and performance through on-site visits
- Collect interval data
- Program database review
- Benchmarking research
- Dispatch optimization modeling
- Impact data analysis
- Reporting

The process evaluation provides unbiased information on past program performance, current implementation strategies and opportunities for future improvements. Typically, the data collection for process evaluation consists of surveys with program management, implementation vendor(s), program partner(s), and participants; and, in some cases, non-participants. A statistically representative sample of participants will be selected for the analysis.

The impact evaluation provides demand savings resulting from the program. Impact analysis for EnergyWise involves a simulation model to calculate the duty cycle reduction, and then an overall load reduction. Impact analysis for CIG-DR involves statistical modeling of an M&V baseline load shape for a customer, then modeling the event period baseline load shape and comparing to the actual load curve of the customer during the event period.

The field of evaluation is constantly learning from ongoing data collection and analysis, and best practices for evaluation, measurement and verification continually evolve. As updated best practices are identified in the industry, DEP will consider these and revise evaluation plans as appropriate to provide accurate and cost-effective evaluation.

DEP DSM/EE Programs - Anticipated EM&V Schedule
As of June 3, 2021

DEP DSM/EE Programs - Anticipated EM&V Schedule

Program Name	NC Docket	SC Docket	Short name	2021 2nd Quarter	2021 3rd Quarter	2021 4th Quarter	2022 1st Quarter	2022 2nd Quarter	2022 3rd Quarter	2022 4th Quarter	Notes
Commercial Demand Response	Docket No. E-2, Sub 953	Docket 2010-41-E	CIG DR	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	REP			Impact/process report due April 2022
Distribution System Demand Response	Docket No. E-2, Sub 926	Docket 2009-190-E	DSDR								
Nonresidential Smart Saver EE Products & Assessment (Prescriptive)	Docket No. E-2, Sub 938	Docket 2009-190-E	EEB		PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	REP		
Nonresidential Smart Saver EE Products & Assessment (Custom)	Docket No. E-2, Sub 938	Docket 2009-190-E	EEB	PROC/IMP	REP						
EnergyWise	Docket No. E-2, Sub 927	Docket 2009-190-E	EW	IMP _(S) PROC/IMP _(S)	IMP _(S) REP _(S)	IMP(S) IMP(W)	REP _(S)	IMP _(S)	REP _(S)		Summer 2021 report completed Feb 2022; Winter 2021/2022 completed Sep 2022
EnergyWise for Business	Docket No. E-2, Sub 1086	Docket 2015-163-E	EWB		PROC/IMP	PROC/IMP	PROC/IMP	REP _(S)			Evaluation (2020) broken into two components; EE 1Q-2021 and DR 2Q-2022
Energy Efficiency Education	Docket No. E-2, Sub 1060	Docket 2014-420-E	K12	PROC/IMP	REP						
Residential Energy Assessment	Docket No. E-2, Sub 1094	Docket 2016-82-E	REA	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	REP	Combined DEC/DEP evaluation in late 2022/early 2023; timing delayed due to COVID-19 and delay in Smart T-stat launch
Lighting (Retail)	Docket No. E-2, Sub 950	Docket 2010-41-E	EEL				PROC/IMP	PROC/IMP	REP		Evaluation focused on hard-to-reach retailers; due to COVID, sample frame pushed out past 12/31/2021
Online Savings Store	Docket No. E-2, Sub 950	Docket 2010-41-E	OSS	PROC/IMP	PROC/IMP	REP					With timing revision for Retail Lighting, this will be standalone evaluation; timing is preliminary
Multi-Family Energy Efficiency	Docket No. E-2, Sub 1059	Docket 2014-419-E	MF	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	REP			Will be combined DEC/DEP evaluation; evaluation schedule extended
My Home Energy Report	Docket No. E-2, Sub 989	Docket 2011-180-E	MvHER	PROC/IMP	PROC/IMP	REP					Final report planned for Q4-2021
Neighborhood Energy Saver	Docket No. E-2, Sub 952	Docket 2009-190-E	NES	PROC/IMP	PROC/IMP	REP					Evaluation to be combined with DEC evaluation
Residential New Construction	Docket No. E-2, Sub 1021	Docket 2015-237-E	RNC	PROC/IMP	PROC/IMP	REP					
Residential Save Energy & Water Kit	Docket No. E-2 Sub 1085	Docket 2015-322-E	SEW		PROC/IMP	PROC/IMP	REP				Final report planned for Feb 2022
Small Business Energy Saver	Docket No. E-2, Sub 1022	Docket 2015-163-E	SBES	REP							Final report planned for Jun 2021
Residential HVAC	Docket E-2, Sub 936		HVAC				PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	Final report planned for Q2-2023 (based on discussions w NCPS, pushed back evaluation timing one year)

LEGEND	
PROC	Process surveys/interviews (customers, etc.) for purposes of report that follows
IMP	Impact data collection (onsites, billing, etc.) & analysis for purposes of reporting
REP	Evaluation, Measurement & Verification Report

NOTE: THESE DATES ARE SUBJECT TO CHANGE

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Duke Energy Progress, LLC
Docket Number E-2, Sub 1273
Actual Program and Avoided Costs, January 1, 2015 - December 31, 2020

Market	Program	2015		2016		2017		2018		2019		2020	
		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	\$ 1,220,465	\$ 1,508,567	\$ (137,009)	\$ 76,177	\$ 5,586	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential	Appliances and Devices	-	-	-	-	-	-	-	-	2,160,799	10,419,429	3,051,854	8,646,551
Residential	Energy Education Program for Schools	703,689	1,576,241	827,497	1,693,087	835,991	1,376,442	676,815	1,261,493	747,483	1,039,694	388,273	456,210
Residential	Energy Efficient Lighting	16,392,094	47,462,180	17,441,878	44,883,085	12,229,222	39,549,493	9,815,496	33,768,459	13,447,031	35,415,070	5,995,694	20,092,826
Residential	EnergyWise	5,205,545	32,617,641	6,887,758	70,854,171	6,502,032	62,410,503	5,817,271	55,969,845	5,806,874	53,221,850	1,110,200	8,817,400
Residential	Low Income Weatherization Pilot	-	-	-	-	-	-	-	-	27,356	75,533	51,370	61,168
Residential	Multi-Family	2,615,745	9,816,135	2,045,220	7,155,924	2,514,413	10,163,052	2,409,743	8,510,661	2,156,484	5,977,179	892,251	1,389,245
Residential	My Home Energy Report	5,808,941	5,791,217	5,890,093	7,524,461	6,753,153	6,972,509	7,687,891	9,855,291	6,299,307	11,676,738	7,369,336	10,897,311
Residential	Neighborhood Energy Saver	1,586,061	1,134,613	2,052,535	1,167,680	1,781,211	1,117,743	1,845,739	1,682,598	1,671,298	1,438,897	401,046	196,865
Residential	Residential Energy Assessments	-	-	1,417,924	4,853,362	1,863,486	5,512,365	1,851,965	5,373,630	2,113,798	4,344,111	2,160,729	4,050,428
Residential	Home Energy Improvement Program	5,298,232	6,858,804	6,013,170	6,991,688	6,961,463	6,313,442	7,168,833	6,300,631	6,411,758	5,417,341	6,517,089	5,453,175
Residential	Residential New Construction	7,447,258	12,081,218	9,405,615	19,280,066	11,671,724	21,481,837	13,189,949	22,773,890	15,113,951	19,396,567	18,861,261	22,840,461
Residential	Save Energy and Water Kit	-	-	674,538	13,873,513	888,869	17,187,186	825,279	10,207,890	-	-	-	-
Non-Residential	Business Energy Report	74,374	-	69,516	309,365	20,330	737	-	-	-	-	-	-
Non-Residential	Commercial, Industrial, & Governmental Demand Mgmt	569,444	1,025,439	-	(10,684,733)	1,393,650	3,551,967	1,154,642	1,413,457	1,811,347	4,394,068	1,352,902	2,964,614
Non-Residential	EnergyWise for Business	65,456	-	1,112,815	164,696	1,390,549	858,655	2,108,030	151,899	2,412,880	923,654	1,896,524	686,030
Non-Residential	Energy Efficiency for Business	6,226,453	29,902,372	14,159,310	47,824,935	21,749,807	77,891,372	-	-	-	-	-	-
Non-Residential	Non-Residential Smart Saver Prescriptive	-	-	-	-	-	-	11,515,913	65,320,575	7,877,838	31,482,596	7,863,953	28,517,362
Non-Residential	Non-Residential Smart Saver Custom	-	-	-	-	-	-	2,174,163	8,907,939	2,776,482	9,658,177	3,514,807	9,481,018
Non-Residential	Non-Res SmartSaver Performance	-	-	-	-	147,160	335,899	201,559	810,508	267,186	606,333	386,339	1,239,947
Non-Residential	Small Business Energy Saver	9,780,196	25,239,036	9,336,274	32,988,897	8,770,755	26,945,514	8,858,213	22,343,579	7,301,790	17,456,367	5,004,816	10,837,185
		\$ 62,993,952	\$ 175,013,463	\$ 77,197,134	\$ 248,956,374	\$ 85,479,401	\$ 281,668,716	\$ 77,301,500	\$ 254,652,345	\$ 78,403,665	\$ 212,943,604	\$ 66,818,443	\$ 136,627,796

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