

Duke Energy Progress
Holbrook Exhibit 1
Vintage 2016 True Up - January 1, 2016 to December 31, 2016
Docket No. E-2, Sub 1294
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H				
				=(A-B)*C	=(B-D)			=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	27	206,569	\$ 76,177	\$ (137,009)	11.75%	\$ 25,049	\$ (111,960)	85.4384204%	E1 * F1	\$ (95,657)	\$ -
2	Energy Education Program for Schools	1,081	2,553,617	\$ 1,693,087	\$ 827,497	0.00%	\$ -	\$ 827,497	85.4384204%	E2 * F2	\$ 707,000	\$ -
3	Energy Efficient Lighting	6,006	41,649,479	\$ 33,998,827	\$ 15,552,184	11.75%	\$ 2,167,481	\$ 17,719,665	85.4384204%	E3 * F3	\$ 15,139,401	\$ -
4	Home Energy Improvement Program	1,904	6,289,383	\$ 6,991,688	\$ 6,013,170	11.75%	\$ 114,976	\$ 6,128,146	85.4384204%	E4 * F4	\$ 5,235,791	\$ -
5	Multi-Family	1,480	12,462,490	\$ 7,155,924	\$ 2,045,220	11.75%	\$ 600,508	\$ 2,645,727	85.4384204%	E5 * F5	\$ 2,560,468	\$ -
6	Neighborhood Energy Saver	304	1,992,091	\$ 1,167,680	\$ 2,052,535	0.00%	\$ -	\$ 2,052,535	85.4384204%	E6 * F6	\$ 1,753,654	\$ -
7	Residential Energy Assessments	716	5,942,895	\$ 4,853,362	\$ 1,417,924	11.75%	\$ 403,664	\$ 1,821,588	85.4384204%	E7 * F7	\$ 1,556,336	\$ -
8	Residential New Construction	4,359	9,954,835	\$ 19,280,066	\$ 9,405,615	11.75%	\$ 1,160,248	\$ 10,565,863	85.4384204%	E7 * F7	\$ 9,027,307	\$ -
9	Save Energy and Water Kit	5,914	17,671,857	\$ 13,873,513	\$ 674,538	11.75%	\$ 1,550,880	\$ 2,225,418	85.4384204%	E8 * F8	\$ 1,901,362	\$ -
10	Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.4384204%		\$ -	\$ -
11	Total for Residential Conservation Programs	21,790	98,723,216	\$ 89,090,325	\$ 37,851,674		\$ 6,022,805	\$ 43,874,479			\$ 37,485,662	\$ -
12	My Home Energy Report	16,621	102,345,370	\$ 7,518,844	\$ 5,890,093	11.75%	\$ 191,378	\$ 6,081,471	85.4384204%	E11 * F11	\$ 5,195,913	\$ 602
13	Total Residential Conservation and Behavioral Programs	38,411	201,068,586	\$ 96,609,169	\$ 43,741,767		\$ 6,214,183	\$ 49,955,950			\$ 42,681,575	\$ 602
14	EnergyWise	34,059	-	\$ 70,854,171	\$ 6,887,758	11.75%	\$ 7,516,054	\$ 14,403,811	86.1687719%	NC Allocation Factor (2)	\$ 6,220,487	\$ -
15	Total Residential	72,470	201,068,586	\$ 167,463,339	\$ 50,629,524		\$ 13,730,237	\$ 64,359,761			\$ 48,902,062	\$ 602
Non-Residential Programs												
EE Programs												
15	Business Energy Report	740	4,546,814	\$ 309,365	\$ 69,516		\$ -	\$ 69,516	85.4384204%	E13 * F13	\$ 59,393	\$ -
16	Energy Efficiency for Business	10,201	71,154,719	\$ 47,824,935	\$ 14,159,310	11.75%	\$ 3,955,711	\$ 18,115,021	85.4384204%	E14 * F14	\$ 15,477,188	\$ -
17	Energy Efficient Lighting	2,818	12,180,303	\$ 10,884,259	\$ 1,889,694	11.75%	\$ 1,056,861	\$ 2,946,556	85.4384204%	E16 * F16	\$ 2,517,491	\$ -
18	Small Business Energy Saver	8,675	49,979,294	\$ 32,988,897	\$ 9,336,274	11.75%	\$ 2,779,183	\$ 12,115,457	85.4384204%	E17 * F17	\$ 10,351,255	\$ -
19	Total for Non-Residential Conservation Programs	22,434	137,861,130	\$ 92,007,456	\$ 25,454,794		\$ 7,791,755	\$ 33,246,550			\$ 28,405,327	\$ -
20	EnergyWise for Business	523	412,047	\$ 164,696	\$ 1,112,815	11.75%	\$ (111,404)	\$ 1,001,411	86.1687719%	E19 * F19	\$ 7,054,004	\$ -
21	Commercial, Industrial, & Governmental Demand Respo	(5,344)	-	\$ (10,684,733)	\$ -	11.75%	\$ -	\$ -	86.1687719%	E20 * F20	\$ -	\$ -
22	Total for Non-Residential DSM Programs	(4,821)	412,047	\$ (10,520,037)	\$ 1,112,815		\$ (111,404)	\$ 1,001,411		NC Allocation Factor (2)	\$ 7,054,004	\$ -
23	Total Non Residential	17,613	138,273,177	\$ 81,487,419	\$ 26,567,609		\$ 7,680,352	\$ 34,247,961		53.1395437%	\$ 35,459,331	\$ -
24	Total All Programs	90,082	339,341,763	\$ 248,950,758	\$ 77,197,134		\$ 21,410,588	\$ 98,607,722			\$ 84,361,393	\$ 602
(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												
24	DSDR	281,372	33,941,086		7,944,728			\$ 7,944,728				
25	Total with DSDR	371,454	373,282,849	\$ 248,950,758	\$ 85,141,861		\$ 21,410,588	\$ 106,552,450			\$ 84,361,393	\$ 602

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A	B	C =A*B	D =A+C	E	F	G =PMI(E,F,D)	H =I-B	I new		J old		K =L+K	L	M =L*K	N =M*L*E	O =M*N	P	K =H+I							
								Original Vintage 2016 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection								Carrying Costs	PPI Over/(Under) Collection w/CCost	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI
Residential Programs																									
	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2016 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	Original Vintage 2016 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection	Carrying Costs	PPI Over/(Under) Collection w/CCost	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	PPI Values for Test Period	
EE Programs																									
1	Appliance Recycling Program	\$ 21,402	\$ (8,049)	\$ 13,353	6.75%	10	\$ 1,879	62.39%	\$ 3,011	\$ 3,011	\$ -	1	\$ -	\$ -	\$ -	\$ 116,821	\$ -	\$ 28,547	\$ 20,592	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 119,833	
2	Energy Education Program for Schools	\$ -	\$ -	\$ -	6.75%	N/A	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Energy Efficient Lighting	\$ 1,851,861	\$ (696,487)	\$ 1,155,374	6.75%	5	\$ 279,872	62.39%	\$ 448,586	\$ 448,586	\$ -	1	\$ -	\$ -	\$ -	\$ 2,844,679	\$ -	\$ 546,425	\$ 309,670	\$ 621,854	\$ 636,857	\$ 397,825	\$ 332,048	\$ 3,293,264	
4	Home Energy Improvement Program	\$ 98,234	\$ (36,940)	\$ 61,294	6.75%	10	\$ 8,624	62.39%	\$ 13,823	\$ 13,823	\$ -	1	\$ -	\$ -	\$ -	\$ 350,089	\$ 10,405	\$ 75,357	\$ 116,481	\$ 108,864	\$ -	\$ 14,647	\$ -	\$ 24,334	
5	Multi-Family	\$ 513,664	\$ (192,964)	\$ 320,700	6.75%	5	\$ 71,539	62.39%	\$ 124,282	\$ 124,282	\$ -	1	\$ -	\$ -	\$ -	\$ 193,329	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 193,329
6	Neighborhood Energy Saver	\$ -	\$ -	\$ -	6.75%	N/A	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	Residential Energy Assessments	\$ 344,684	\$ (129,711)	\$ 215,173	6.75%	5	\$ 51,222	62.39%	\$ 83,543	\$ 83,543	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 83,543
8	Residential New Construction	\$ 891,298	\$ (372,808)	\$ 518,490	6.75%	10	\$ 87,026	62.39%	\$ 139,487	\$ 139,487	\$ -	1	\$ -	\$ -	\$ -	\$ 174,649	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 314,135
9	Save Energy and Water Kit	\$ 1,325,047	\$ (498,352)	\$ 826,696	6.75%	5	\$ 200,255	62.39%	\$ 320,973	\$ 320,973	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,973
10	Residential Home Advantage	\$ -	\$ -	\$ -	6.75%	10	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ 176,476	\$ 8,018	\$ 27,550	\$ 79,940	\$ 60,450	\$ -	\$ 517	\$ -	\$ -	\$ 176,476
11	Total for Residential Conservation Programs	\$ 5,145,789	\$ (1,935,337)	\$ 3,210,452			\$ 707,217		\$ 1,133,704	\$ 1,133,704	\$ -		\$ 3,856,042	\$ -	\$ 3,856,042	\$ 18,424	\$ 677,879	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ -	\$ 4,989,746	
12	My Home Energy Report	\$ 163,511	\$ (61,496)	\$ 102,014	6.75%	1	\$ 102,014	62.39%	\$ 163,511	\$ 164,074	\$ 564	1	\$ 564	\$ 38	\$ 602	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 163,511
13	Total Residential Conservation and Behavioral Programs	\$ 5,809,800	\$ (1,996,833)	\$ 3,812,967			\$ 809,131		\$ 1,297,218	\$ 1,297,778	\$ 564		\$ 3,856,042	\$ 38	\$ 3,856,042	\$ 18,424	\$ 677,879	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 626,461	\$ -	\$ 5,153,257	
14	EnergyWise	\$ 6,476,491	\$ (2,435,815)	\$ 4,040,676	6.75%	10	\$ 568,568	62.39%	\$ 911,314	\$ 911,314	\$ -	1	\$ -	\$ -	\$ -	\$ 3,243,883	\$ 135,141	\$ 1,043,048	\$ 781,456	\$ 347,959	\$ 301,384	\$ 369,522	\$ 265,373	\$ 4,155,197	
15	Total Residential	\$ 11,785,791	\$ (4,432,648)	\$ 7,353,143			\$ 1,377,899		\$ 2,208,529	\$ 2,209,092	\$ 564		\$ 7,099,925	\$ 38	\$ 7,099,925	\$ 153,564	\$ 1,720,927	\$ 1,808,140	\$ 1,177,773	\$ 1,003,450	\$ 844,237	\$ 891,833	\$ -	\$ 9,808,453	
Non-Residential Programs																									
	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2016 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	Original Vintage 2016 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection	Carrying Costs	PPI Over/(Under) Collection w/CCost	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	PPI Values for Test Period	
EE Programs																									
15	Business Energy Report	\$ -	\$ -	\$ -	6.75%	1	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Business Efficiency for Business	\$ 3,379,697	\$ (1,271,107)	\$ 2,108,590	6.75%	3	\$ 799,757	62.39%	\$ 1,281,869	\$ 1,281,869	\$ -	1	\$ -	\$ -	\$ -	\$ 3,481,402	\$ 169,910	\$ 452,376	\$ 649,907	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ 4,763,272	
17	Energy Efficient Lighting	\$ 902,866	\$ (339,606)	\$ 563,259	6.75%	5	\$ 136,465	62.39%	\$ 218,730	\$ 218,730	\$ -	1	\$ -	\$ -	\$ -	\$ 803,120	\$ -	\$ 134,853	\$ 74,572	\$ 153,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ 1,021,849	
18	Small Business Energy Saver	\$ 2,374,950	\$ (893,048)	\$ 1,481,902	6.75%	3	\$ 541,889	62.39%	\$ 900,609	\$ 900,609	\$ -	1	\$ -	\$ -	\$ -	\$ 539,082	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 141,051	\$ -	\$ 1,439,692
19	Total for Non-Residential Conservation Programs	\$ 6,657,513	\$ (2,503,762)	\$ 4,153,751			\$ 1,498,112		\$ 2,401,209	\$ 2,401,209	\$ -		\$ 4,823,604	\$ -	\$ 4,823,604	\$ 169,910	\$ 587,228	\$ 724,479	\$ 875,773	\$ 931,159	\$ 772,394	\$ 762,661	\$ -	\$ 7,224,812	
20	EnergyWise for Business	\$ (95,995)	\$ 36,104	\$ (59,891)	6.75%	1	\$ (63,932)	62.39%	\$ (102,471)	\$ (102,471)	\$ -	1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (102,471)
21	Commercial, Industrial, & Governmental Demand Respor	\$ -	\$ -	\$ -	6.75%	3	\$ -	62.39%	\$ -	\$ -	\$ -	1	\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 150,959
22	Total for Non-Residential DSM Programs	\$ (95,995)	\$ 36,104	\$ (59,891)			\$ (63,932)		\$ (102,471)	\$ (102,471)	\$ -		\$ 150,959	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 48,488	
23	Total Non-Residential	\$ 6,561,517	\$ (2,467,658)	\$ 4,093,859			\$ 1,434,180		\$ 2,298,737	\$ 2,298,737	\$ -		\$ 4,974,563	\$ -	\$ 4,974,563	\$ 169,910	\$ 652,951	\$ 742,134	\$ 904,088	\$ 940,873	\$ 797,533	\$ 767,075	\$ -	\$ 7,273,300	
24	Total All Programs	\$ 18,346,948	\$ (6,900,306)	\$ 11,446,643			\$ 2,812,079		\$ 4,507,266	\$ 4,507,830	\$ 564		\$ 12,074,488	\$ 38	\$ 12,074,488	\$ 323,474	\$ 2,373,878	\$ 2,050,273	\$ 2,081,861	\$ 1,944,323	\$ 1,641,770	\$ 1,658,908	\$ -	\$ 16,581,754	

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

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	A	B	C	D	E	F	G	H			
				=(A-B)*C	=(B+D)			=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 ⁽¹⁾	NC Residential Adjusted Revenue Requirement	
Residential Programs											
EE Programs											
1 Appliance Recycling Program	-	-	\$ -	\$ 5,586	11.75%	\$ (656)	\$ 4,930	85.5082864%	E1 * F1	\$ 4,215	\$ -
2 Energy Education Program for Schools	996	2,353,765	\$ 1,376,442	\$ 835,991	0.00%	\$ -	\$ 835,991	85.5082864%	E2 * F2	\$ 714,841	\$ -
3 Energy Efficient Lighting	4,798	29,678,583	\$ 30,351,056	\$ 10,904,279	11.75%	\$ 2,284,996	\$ 13,189,275	85.5082864%	E3 * F3	\$ 11,277,923	\$ -
4 Home Energy Improvement Program	1,975	7,357,330	\$ 6,313,442	\$ 6,961,463	11.75%	\$ (76,142)	\$ 6,885,320	85.5082864%	E4 * F4	\$ 5,887,519	\$ -
5 Multi-Family	2,052	16,150,639	\$ 10,163,052	\$ 2,514,413	11.75%	\$ 898,715	\$ 3,413,128	85.5082864%	E5 * F5	\$ 2,918,508	\$ -
6 Neighborhood Energy Saver	335	2,200,240	\$ 1,117,743	\$ 1,781,211	0.00%	\$ -	\$ 1,781,211	85.5082864%	E6 * F6	\$ 1,523,083	\$ -
7 Residential Energy Assessments	933	7,734,231	\$ 5,512,365	\$ 1,863,486	11.75%	\$ 428,743	\$ 2,292,229	85.5082864%	E7 * F7	\$ 1,960,046	\$ -
8 Residential New Construction	5,266	12,245,876	\$ 21,481,837	\$ 11,671,724	11.75%	\$ 1,152,688	\$ 12,824,412	85.5082864%	E7 * F7	\$ 10,965,935	\$ -
9 Save Energy and Water Kit	8,377	25,021,451	\$ 17,187,186	\$ 888,869	11.75%	\$ 1,915,052	\$ 2,803,921	85.5082864%	E8 * F8	\$ 2,397,585	\$ -
10 Residential Home Advantage	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.5082864%		\$ -	\$ -
11 Total for Residential Conservation Programs	24,733	102,742,114	\$ 93,503,123	\$ 37,427,021		\$ 6,603,396	\$ 44,030,417			\$ 37,649,655	\$ -
12 My Home Energy Report	18,920	115,733,625	\$ 6,838,444	\$ 6,753,153	11.75%	\$ 10,022	\$ 6,763,175	85.5082864%	E11 * F11	\$ 5,783,075	\$ 14,380
13 Total Residential Conservation and Behavioral Programs	43,653	218,475,739	\$ 100,341,567	\$ 44,180,174		\$ 6,613,418	\$ 50,793,592			\$ 43,432,730	\$ 14,380
NC Residential Peak Demand Allocation Factor											
14 EnergyWise	33,428	-	\$ 62,410,503	\$ 6,502,032	11.75%	\$ 6,569,245	\$ 13,071,277	86.1579245%	NC Allocation Factor (2)	\$ 6,673,593	\$ -
15 Total Residential	77,081	218,475,739	\$ 162,752,070	\$ 50,682,206		\$ 13,182,663	\$ 63,864,870		48.2705209%	\$ 50,106,323	\$ 14,380
Non-Residential Programs											
EE Programs											
16 Business Energy Report	-	-	\$ 737	\$ 20,330		\$ -	\$ 20,330	85.5082864%	E13 * F13	\$ 17,384	\$ -
17 Energy Efficiency for Business	17,038	103,365,897	\$ 77,891,372	\$ 21,749,807	11.75%	\$ 6,596,634	\$ 28,346,441	85.5082864%	E14 * F14	\$ 24,238,556	\$ -
18 Energy Efficient Lighting	2,024	7,872,565	\$ 9,198,437	\$ 1,324,943	11.75%	\$ 925,136	\$ 2,250,078	85.5082864%	E16 * F16	\$ 1,924,003	\$ -
19 Non-Res SmartSaver Performance	58	435,108	\$ 335,899	\$ 147,160	11.75%	\$ 22,177	\$ 169,337	85.5082864%	E17 * F17	\$ 144,797	\$ -
20 Small Business Energy Saver	8,500	45,011,098	\$ 26,945,514	\$ 8,770,755	11.75%	\$ 2,135,534	\$ 10,906,290	85.5082864%	E18 * F18	\$ 9,325,781	\$ -
21 Total for Non-Residential Conservation Programs	27,620	156,684,668	\$ 114,371,959	\$ 32,012,995		\$ 9,679,480	\$ 41,692,475			\$ 35,650,521	\$ -
22 EnergyWise for Business	2,887	983,712	\$ 858,655	\$ 1,390,549	11.75%	\$ (62,498)	\$ 1,328,052	86.1579245%	E19 * F19	\$ 3,192,269	\$ -
23 Commercial, Industrial, & Governmental Demand Response	1,969	-	\$ 3,551,967	\$ 1,393,650	11.75%	\$ 253,602	\$ 1,647,252	86.1579245%	E20 * F20	\$ 3,959,539	\$ -
24 Total for Non-Residential DSM Programs	4,855	983,712	\$ 4,410,622	\$ 2,784,199		\$ 191,105	\$ 2,975,304	86.1579245%	NC Allocation Factor (2)	\$ 7,151,808	\$ -
25 Total Non Residential	32,475	157,668,380	\$ 118,782,581	\$ 34,797,195		\$ 9,870,585	\$ 44,667,780		51.7294791%	\$ 42,802,329	\$ -
26 Total All Programs	109,556	376,144,118	\$ 281,534,651	\$ 85,479,401		\$ 23,053,248	\$ 108,532,649		51.466355251	\$ 92,908,653	\$ 14,380
(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											
24 DSDR	293,816	35,518,685		\$ 11,146,179			\$ 11,146,179				
25 Total with DSDR	403,372	411,662,803	\$ 281,534,651	\$ 96,625,580		\$ 23,053,248	\$ 119,678,828			\$ 92,908,653	\$ 14,380

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A	B	C	D	E	F	G	H	I	©2017 PPI True-Up						P	K								
									J	K	L	M	N	O										
=A*B		=A+C	=A+C	=A+C		=PMT(E,F,D)	=I-B		=J	=K	=L	=M	=N	=O	=P	=K								
Residential Programs	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2017 - Year 1 PPI	Income Tax Gross-Up Factor	Original Vintage 2017 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection	PPI Over/(Under) Collection w/CCost	1 Prior Period	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	PPI Values for Test Period	
														PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI	PPI
														Carrying Costs										
EE Programs																								
1	\$ (561)	37.06%	\$ 208	\$ (353)	6.76%	10	\$ (50)	62.94%	\$ (79)	\$ (79)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2	\$ -	37.06%	\$ -	\$ -	6.76%	N/A	\$ -	62.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
3	\$ 1,953,861	37.06%	\$ (724,101)	\$ 1,229,760	6.76%	5	\$ 297,985	62.94%	\$ 473,444	\$ 473,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4	\$ (65,108)	37.06%	\$ 24,129	\$ (40,978)	6.76%	10	\$ (5,768)	62.94%	\$ (9,166)	\$ (9,166)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
5	\$ 768,476	37.06%	\$ (284,797)	\$ 483,679	6.76%	5	\$ 117,201	62.94%	\$ 186,211	\$ 186,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
6	\$ -	37.06%	\$ -	\$ -	6.76%	N/A	\$ -	62.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7	\$ 366,611	37.06%	\$ (135,866)	\$ 230,745	6.76%	5	\$ 55,512	62.94%	\$ 88,824	\$ 88,824	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8	\$ 985,644	37.06%	\$ (365,280)	\$ 620,364	6.76%	10	\$ 87,340	62.94%	\$ 138,767	\$ 138,767	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
9	\$ 1,637,528	37.06%	\$ (606,868)	\$ 1,030,661	6.76%	5	\$ 249,741	62.94%	\$ 396,792	\$ 396,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10	\$ -	37.06%	\$ -	\$ -	6.76%	10	\$ -	62.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
11	\$ 5,646,451	37.06%	\$ (2,092,574)	\$ 3,553,877	6.76%	10	\$ 802,361	62.94%	\$ 1,274,803	\$ 1,274,803	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
12	\$ 8,569	37.06%	\$ (3,176)	\$ 5,394	6.76%	1	\$ 5,394	62.94%	\$ 8,569	\$ 22,020	\$ 13,470	\$ 13,470	\$ 910	\$ 14,380	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	\$ 5,655,020	37.06%	\$ (2,095,750)	\$ 3,559,270	6.76%	10	\$ 807,755	62.94%	\$ 1,283,372	\$ 1,256,842	\$ 13,470	\$ 13,470	\$ 910	\$ 14,380	\$ 4,989,746	\$ 18,424	\$ 677,879	\$ 526,684	\$ 829,814	\$ 702,066	\$ 474,715	\$ 626,401	\$ 1,133,704	\$ 8,569
14	\$ 5,659,925	37.06%	\$ (2,097,568)	\$ 3,562,358	6.76%	10	\$ 802,538	62.94%	\$ 1,276,851	\$ 1,276,851	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	\$ 11,312,946	37.06%	\$ (4,181,318)	\$ 7,131,628	6.76%	10	\$ 1,309,290	62.94%	\$ 2,080,224	\$ 2,093,693	\$ 13,470	\$ 13,470	\$ 910	\$ 14,380	\$ 9,144,943	\$ 153,564	\$ 3,720,927	\$ 3,308,140	\$ 3,177,273	\$ 3,003,450	\$ 844,337	\$ 893,833	\$ 2,045,038	\$ 4,952,038
Non-Residential Programs																								
EE Programs																								
16	\$ -	37.06%	\$ -	\$ -	6.76%	1	\$ -	62.94%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17	\$ 5,640,669	37.06%	\$ (2,090,431)	\$ 3,550,237	6.76%	3	\$ 1,346,844	62.94%	\$ 2,139,886	\$ 2,139,886	\$ -	\$ -	\$ -	\$ -	\$ 4,763,272	\$ 169,910	\$ 452,376	\$ 649,507	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ 1,281,869	\$ 6,903,157
18	\$ 791,068	37.06%	\$ (292,170)	\$ 497,898	6.76%	5	\$ 120,647	62.94%	\$ 191,885	\$ 191,885	\$ -	\$ -	\$ -	\$ -	\$ 1,021,849	\$ -	\$ 134,853	\$ 74,572	\$ 155,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ 218,730	\$ 1,212,534
19	\$ 18,963	37.06%	\$ (7,028)	\$ 11,935	6.76%	3	\$ 4,528	62.94%	\$ 7,194	\$ 7,194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,194
20	\$ 1,826,059	37.06%	\$ (676,737)	\$ 1,149,322	6.76%	3	\$ 436,015	62.94%	\$ 692,747	\$ 692,747	\$ -	\$ -	\$ -	\$ -	\$ 1,439,682	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ 900,609	\$ 2,132,439
21	\$ 8,276,758	37.06%	\$ (3,067,366)	\$ 5,209,392	6.76%	10	\$ 1,900,034	62.94%	\$ 3,031,217	\$ 3,031,217	\$ -	\$ -	\$ -	\$ -	\$ 7,225,811	\$ 169,910	\$ 587,229	\$ 724,479	\$ 875,773	\$ 933,159	\$ 772,394	\$ 762,461	\$ 2,401,209	\$ 10,226,324
22	\$ (53,847)	37.06%	\$ 19,956	\$ (33,893)	6.76%	1	\$ (36,181)	62.94%	\$ (57,486)	\$ (57,486)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (57,486)
23	\$ 218,059	37.06%	\$ (80,975)	\$ 137,074	6.76%	3	\$ 32,176	62.94%	\$ 52,451	\$ 52,451	\$ -	\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,815	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 218,059
24	\$ 364,652	37.06%	\$ (131,000)	\$ 233,652	6.76%	10	\$ 15,990	62.94%	\$ 26,406	\$ 26,406	\$ -	\$ -	\$ -	\$ -	\$ 150,959	\$ -	\$ 65,722	\$ 17,655	\$ 28,815	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ 364,652
25	\$ 8,441,410	37.06%	\$ (3,128,380)	\$ 5,313,024	6.76%	10	\$ 1,924,024	62.94%	\$ 3,056,917	\$ 3,056,917	\$ -	\$ -	\$ -	\$ -	\$ 7,375,772	\$ 169,910	\$ 652,951	\$ 742,134	\$ 904,088	\$ 940,873	\$ 797,533	\$ 767,875	\$ 2,401,209	\$ 10,427,689
26	\$ 19,756,956	37.06%	\$ (7,321,703)	\$ 12,434,652	6.76%	10	\$ 3,231,317	62.94%	\$ 5,137,341	\$ 5,150,611	\$ 13,470	\$ 13,470	\$ 910	\$ 14,380	\$ 16,520,715	\$ 323,474	\$ 2,373,878	\$ 2,050,273	\$ 2,081,861	\$ 1,944,913	\$ 1,641,270	\$ 1,658,908	\$ 4,446,227	\$ 21,657,855

(1) Energy Efficient Benchmarking 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
Holbrook Exhibit 1
Vintage 2018 True Up - January 1, 2018 to December 31, 2018
Docket Number E-2, Sub 1294
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)			
	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%	\$ -	\$ -	85.5608674%	E1 * F1	\$ -	\$ -
2	Energy Efficiency Education Program	766	\$ 2,563,019	\$ 1,261,453	0.00%	\$ -	\$ 676,815	85.5608674%	E2 * F2	\$ 579,089	\$ -
3	Energy Efficient Lighting	4,227	\$ 25,642,842	\$ 25,966,857	11.75%	\$ 2,022,739	\$ 10,774,800	85.5608674%	E3 * F3	\$ 9,219,013	\$ 24
4	Residential Smart Saver ⁽³⁾	1,805	\$ 7,228,648	\$ 6,300,422	11.75%	\$ (102,038)	\$ 7,066,795	85.5608674%	E4 * F4	\$ 6,046,411	\$ 3
5	Multi-Family Energy Efficiency Program	1,802	\$ 13,834,972	\$ 8,510,368	11.75%	\$ 716,824	\$ 3,126,566	85.5608674%	E5 * F5	\$ 2,675,117	\$ 8
6	Multi-Family PipeWrap EMV Adjustment				0.00%	\$ (103,989)	\$ (103,989)	100.0000000%	E6 * F6	\$ (103,989)	\$ -
7	Neighborhood Energy Saver	486	\$ 3,538,968	\$ 1,682,539	0.00%	\$ -	\$ 1,845,739	85.5608674%	E7 * F7	\$ 1,579,230	\$ -
8	Residential Energy Assessments	925	\$ 7,751,895	\$ 5,373,437	11.75%	\$ 413,773	\$ 2,265,738	85.5608674%	E8 * F8	\$ 1,938,585	\$ 5
9	Residential New Construction	5,440	\$ 14,263,235	\$ 22,773,154	11.75%	\$ 1,126,027	\$ 14,315,975	85.5608674%	E9 * F9	\$ 12,248,873	\$ 11
10	Energy Efficient Appliances and Devices	5,058	\$ 15,252,311	\$ 10,207,563	11.75%	\$ 1,102,418	\$ 1,927,697	85.5608674%	E10 * F10	\$ 1,649,355	\$ 8
11	Residential Home Advantage	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.5608674%	E11 * F11	\$ -	\$ -
12	Total for Residential Conservation Programs	20,517	\$ 90,075,889	\$ 82,075,794		\$ 5,175,753	\$ 41,896,136			\$ 35,831,684	\$ 59
13	My Home Energy Report	56,347	\$ 161,852,803	\$ 9,647,930	11.75%	\$ 230,305	\$ 7,918,195	85.5608674%	E13*F13	\$ 6,774,877	\$ 22,248
14	Total Residential Conservation and Behavioral Programs	76,864	\$ 251,928,692	\$ 91,723,724		\$ 5,406,057	\$ 49,814,332			\$ 42,606,561	\$ 22,307
15	EnergyWise Home	29,483	\$ -	\$ 55,969,158	11.75%	\$ 5,892,847	\$ 11,710,118	86.5304240%	NC Allocation Factor (2)	\$ 6,210,323	\$ 10
16	Total Residential	106,347	\$ 251,928,692	\$ 147,692,882		\$ 11,298,904	\$ 61,524,450		48.5812530%	\$ 48,816,884	\$ 22,318
Non-Residential Programs											
EE Programs											
17	Energy Efficient Lighting	1,753	\$ 6,759,940	\$ 7,800,425	11.75%	\$ 791,596	\$ 1,855,030	85.5608674%	E17 * F17	\$ 1,587,180	\$ 7
18	Smart Saver ⁽³⁾ Non-Residential Prescriptive	14,773	\$ 85,092,916	\$ 65,391,512	11.75%	\$ 6,330,383	\$ 17,846,296	85.5608674%	E18 * F18	\$ 15,269,446	\$ (2,885)
19	Smart Saver ⁽³⁾ Non-Residential - Custom	1,883	\$ 11,901,442	\$ 8,907,633	11.75%	\$ 791,183	\$ 2,965,346	85.5608674%	E19 * F19	\$ 2,537,176	\$ 12
20	Smart Saver(R) Non Residential Performance Incentive Progr	129	\$ 1,519,117	\$ 810,478	11.75%	\$ 71,548	\$ 273,107	85.5608674%	E20 * F20	\$ 233,673	\$ 1
21	Small Business Energy Saver	6,667	\$ 40,298,466	\$ 22,342,803	11.75%	\$ 1,584,439	\$ 10,442,652	85.5608674%	E21 * F21	\$ 8,934,824	\$ 32
22	Total for Non-Residential Conservation Programs	25,205	\$ 145,571,882	\$ 105,252,851		\$ 9,569,149	\$ 33,382,432			\$ 28,562,299	\$ (2,833)
23	EnergyWise for Business	2,661	\$ 39,728	\$ 151,825	11.75%	\$ (229,854)	\$ 1,878,176	86.5304240%	E23 * F23	\$ 4,030,275	\$ 8
24	Commercial, Industrial, & Governmental Demand Response	1,629	\$ -	\$ 1,412,804	11.75%	\$ 30,334	\$ 1,184,976	86.5304240%	E24 * F24	\$ 2,542,775	\$ 27
25	Total for Non-Residential DSM Programs	4,290	\$ 39,728	\$ 1,564,629		\$ (199,520)	\$ 3,063,152	86.5304240%	NC Allocation Factor (2)	\$ 6,573,050	\$ 35
26	Total Non Residential	29,495	\$ 145,611,609	\$ 106,817,479		\$ 9,369,629	\$ 36,445,584		51.4187470%	\$ 35,135,349	\$ (2,798)
27	Total All Programs	135,842	\$ 397,540,301	\$ 254,510,362		\$ 20,668,533	\$ 97,970,033		6.5717051%	\$ 83,952,233	\$ 19,519
28	DSDR	277,039	\$ 48,056,048	\$ -		\$ -	\$ 12,886,517			\$ -	\$ -
29	Total with DSDR	412,881	\$ 445,596,349	\$ 254,510,362		\$ 20,668,533	\$ 110,856,550			\$ 83,952,233	\$ 19,519

(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).

Duke Energy Progress
H Workbook Exhibit 1
Vintage 2018 True Up - January 1, 2018 to December 31, 2018
Docket Number E-2, Sub 1294
Load Impacts and Estimated Revenue Requirements by Program

Table with columns: Program Name, NC Incentive, Income Tax Rate, Income Taxes, Net-of-Tax PPI Total NPV, Discount Rate, PPI Amortization Period, Vintage Year 2018 - Year 1 PPI, Income Tax Gross-Up Factor, Adjusted PPI, PY Vintage 2018 PPI, PPI Over / (Under) Collection, Years at Original PPI Level, Cumulative PPI Over / (Under) Collection, Carrying Costs, Over/(Under) Collection w/CCost, I Prior Period PPI, Vintage 2009 PPI, Vintage 2010 PPI, Vintage 2011 PPI, Vintage 2012 PPI, Vintage 2013 PPI, Vintage 2014 PPI, Vintage 2015 PPI, Vintage 2016 PPI, Vintage 2017 PPI, PPI Values for Test Period.

Residential Programs

Non-Residential Programs

(1) Energy Efficient Benchmarking 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
Holbrook Exhibit 1
Vintage 2019 True Up - January 1, 2019 to December 31, 2019
Docket Number E-2, Sub 1294
Load Impacts and Estimated Revenue Requirements by Program

	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	4,984	18,394,631	10,224,171	\$ 2,160,799	11.75%	\$ 947,446	\$ 3,108,246	E2 * F2	\$ 2,661,704	\$ 5,061	
3	Energy Efficiency Education Program	392	3,283,839	1,039,694	\$ 747,483	0.00%	\$ -	\$ 747,483	E3 * F3	\$ 640,097	\$ -	
4	Energy Efficient Lighting	5,497	33,349,231	27,067,315	\$ 11,993,695	11.75%	\$ 1,771,150	\$ 13,764,845	E4 * F4	\$ 11,787,340	\$ -	
5	Residential Smart Saver [*]	1,862	6,756,132	5,417,341	\$ 6,411,758	11.75%	\$ (116,844)	\$ 6,294,914	E5 * F5	\$ 5,390,565	\$ -	
6	Weatherization Pilot	26	134,994	78,059	\$ 27,356	0.00%	\$ -	\$ 27,356	E6 * F6	\$ 23,426	\$ -	
7	Multi-Family Energy Efficiency Program	1,583	11,855,149	5,977,179	\$ 2,156,484	11.75%	\$ 448,932	\$ 2,605,416	E7 * F7	\$ 2,231,113	\$ -	
8	Neighborhood Energy Saver	493	3,699,023	1,438,897	\$ 1,671,298	0.00%	\$ -	\$ 1,671,298	E8 * F8	\$ 1,431,193	\$ -	
9	Residential Energy Assessments	943	7,834,474	4,344,111	\$ 2,113,798	11.75%	\$ 262,062	\$ 2,375,860	E9 * F9	\$ 2,034,535	\$ -	
10	Residential New Construction	4,665	16,337,464	19,396,567	\$ 15,113,951	11.75%	\$ 503,207	\$ 15,617,158	E10* F11	\$ 13,373,543	\$ -	
11	Residential Home Advantage	-	-	-	\$ -	11.75%	\$ -	\$ -	E11 * F11	\$ -	\$ -	
12	Total for Residential Conservation Programs	20,445	101,644,936	74,983,333	\$ 42,396,623		\$ 3,815,953	\$ 46,212,576		\$ 39,573,516	\$ 5,061	
13	My Home Energy Report	53,425	152,888,746	11,494,728	\$ 6,299,307	11.75%	\$ 610,462	\$ 6,909,769	E13*F13	\$ 5,917,088	\$ 18,314	
14	Total Residential Conservation and Behavioral Programs	73,869	254,533,682	\$ 86,478,061	\$ 48,695,930		\$ 4,426,415	\$ 53,122,345		\$ 45,490,604	\$ 23,375	
15	EnergyWise Home	28,993	-	53,221,850	\$ 5,806,874	11.75%	\$ 5,571,260	\$ 11,378,134	NC Residential Peak Demand Allocation Factor (2)	\$ 6,763,929	\$ -	
16	Total Residential	102,862	254,533,682	\$ 139,699,911	\$ 54,502,804		\$ 9,997,675	\$ 64,500,479	86.691%	\$ 52,254,533	\$ 23,375	
Non-Residential Programs												
EE Programs												
17	Energy Efficient Lighting	2,275	8,778,572	\$ 8,347,756	\$ 1,453,336	11.75%	\$ 810,094	\$ 2,263,431	85.634%	E17 * F17	\$ 1,938,258	\$ -
18	Smart Saver [*] Non-Residential Prescriptive	9,066	49,674,819	31,476,285	\$ 7,877,838	11.75%	\$ 2,772,818	\$ 10,650,656	85.634%	E18 * F18	\$ 9,120,546	\$ 256
19	Smart Saver [*] Non-Residential - Custom	3,124	13,129,686	9,658,177	\$ 2,776,482	11.75%	\$ 808,599	\$ 3,585,082	85.634%	E19 * F19	\$ 3,070,036	\$ -
20	Smart Saver(R) Non-Residential Performance Incentive Program	99	1,356,835	606,333	\$ 267,186	11.75%	\$ 39,850	\$ 307,036	85.634%	E20 * F20	\$ 262,926	\$ -
21	Small Business Energy Saver	6,338	36,430,983	17,456,367	\$ 7,301,790	11.75%	\$ 1,193,163	\$ 8,494,953	85.634%	E21 * F21	\$ 7,274,538	\$ -
22	Total for Non-Residential Conservation Programs	20,903	109,370,895	\$ 67,544,918	\$ 19,676,634		\$ 5,624,523	\$ 25,301,157		\$ 21,666,304	\$ 256	
23	EnergyWise for Business	4,982	1,057,989	923,654	\$ 2,412,880	11.75%	\$ (174,984)	\$ 2,237,896	86.691%		\$ 3,533,824	\$ -
24	Commercial, Industrial, Governmental Energy Efficiency (CIG EE, E)	2,567	-	4,394,068	\$ 1,811,347	11.75%	\$ 303,470	\$ 2,114,817	86.691%		\$ 3,339,472	\$ -
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%	\$ 6,873,297	\$ -
26	Total Non Residential	28,452	110,428,885	\$ 72,862,641	\$ 23,900,860		\$ 5,753,009	\$ 29,653,870		\$ 28,539,601	\$ 256	
27	Total All Programs	131,314	364,962,567	\$ 212,562,552	\$ 78,403,665		\$ 15,750,684	\$ 94,154,349		\$ 80,794,133	\$ 23,631	
<p>(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year</p> <p>(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak</p>												
28	DSDR	334,197	38,083,660		\$ 18,305,182			\$ 18,305,182				
29	Total with DSDR	465,511	403,046,227	\$ 212,562,552	\$ 96,708,846		\$ 15,750,684	\$ 112,459,530		\$ 80,794,133	\$ 23,631	

Duke Energy Progress
 Hubbrook Exhibit 1
 Vintage 2019 True Up - January 1, 2019 to December 31, 2019
 Docket Number E-2, Sub 1254
 Load Impacts and Estimated Revenue Requirements by Program

A	B	C =4*B	D =4*C	E	F	G =F*(E,F,2)	H =4*B	2019 PPI True Up			P	K =4*I																									
								J =4*I	L =4*I	S =4*I																											
Residential Programs	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2019 - Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	Original Vintage 2019 PPI	PPI Over / (Under) Collection	Years at Original PPI Level	Cumulative PPI Over / (Under) Collection	Carrying Costs	Over/(Under) Collection w/COst	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	Vintage 2018 PPI	PPI Values for Test Period										
																												M =4*I	N =4*I	O =4*I							
EE Programs																																					
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(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
Holbrook Exhibit 1
Vintage 2020 True Up - January 1, 2020 to December 31, 2020
Docket Number E-2, Sub 1294
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D =(A-B)*C	E =(B*D)	F	G	H =AF (from page 2)				
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement ⁽²⁾	NC Residential Adjusted Revenue Requirement		
Residential Programs												
EE Programs												
1	Appliance Recycling Program	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.754%	E1 * F1	\$ -	\$ -	
2	Energy Efficient Appliances and Devices	2,606	\$ 17,958,166	\$ 8,710,041	\$ 3,051,854	11.75%	\$ 664,837	\$ 3,716,691	85.754%	E2 * F2	\$ 3,187,227	\$ (1,648)
3	Energy Efficiency Education Program	(62)	\$ 1,772,474	\$ 412,495	\$ 388,273	0.00%	\$ -	\$ 388,273	85.754%	E3 * F3	\$ 332,961	\$ -
4	Energy Efficient Lighting	3,123	\$ 18,942,865	\$ 15,408,720	\$ 5,385,332	11.75%	\$ 1,177,748	\$ 6,563,080	85.754%	E4 * F4	\$ 5,628,131	\$ -
5	Residential Smart Saver®	1,925	\$ 6,893,070	\$ 5,453,175	\$ 6,494,225	11.75%	\$ (122,323)	\$ 6,371,902	85.754%	E5 * F5	\$ 5,464,187	\$ -
6	Weatherization Pilot	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	\$ -
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	\$ -
10	Residential New Construction	5,358	\$ 20,007,860	\$ 22,840,461	\$ 18,861,261	11.75%	\$ 467,556	\$ 19,328,817	85.754%	E10* F11	\$ 16,575,314	\$ -
11	Residential Home Advantage	-	\$ -	\$ -	\$ -	11.75%	\$ -	\$ -	85.754%	E11 * F11	\$ -	\$ -
12	Total for Residential Conservation Programs	14,267	\$ 76,155,303	\$ 58,522,599	\$ 37,686,341		\$ 2,468,254	\$ 40,154,595			\$ 34,434,337	\$ (1,648)
13	My Home Energy Report	53,597	\$ 153,286,583	\$ 10,733,674	\$ 7,369,336	11.75%	\$ 395,310	\$ 7,764,646	85.754%	E13*F13	\$ 6,658,527	\$ 16,488
14	Total Residential Conservation and Behavioral Programs	67,864	\$ 229,441,887	\$ 69,256,273	\$ 45,055,677		\$ 2,863,564	\$ 47,919,241			\$ 41,092,864	\$ 14,840
								NC Residential Peak Demand Allocation Factor (2)				
15	Power Manager	17,810	\$ -	\$ 8,817,400	\$ 1,110,200	11.75%	\$ 905,596	\$ 2,015,796	86.339%	48.01%	\$ 2,202,160	\$ -
16	Total Residential	85,674	\$ 229,441,887	\$ 78,073,673	\$ 46,165,877		\$ 3,769,160	\$ 49,935,037			\$ 43,295,024	\$ 14,840
								NC Retail kWh Sales Allocation Factor				
									NC Non-Residential Unadjusted Revenue Requirement⁽¹⁾		NC Non-Residential Adjusted Revenue Requirement	
Non-Residential Programs												
EE Programs												
17	Energy Efficient Lighting	1,294	\$ 4,993,362	\$ 4,684,106	\$ 610,362	11.75%	\$ 478,665	\$ 1,089,027	85.754%	E17 * F17	\$ 933,888	\$ -
18	Smart Saver® Non Residential Prescriptive	7,700	\$ 46,353,186	\$ 28,517,362	\$ 7,863,953	11.75%	\$ 2,426,776	\$ 10,290,728	85.754%	E18 * F18	\$ 8,824,754	\$ -
19	Smart Saver® Non-Residential - Custom	3,024	\$ 12,768,124	\$ 9,481,018	\$ 3,514,807	11.75%	\$ 701,030	\$ 4,215,837	85.754%	E19 * F19	\$ 3,615,266	\$ -
20	Smart Saver(R) Non Residential Performance Incentive Program	223	\$ 3,104,355	\$ 1,239,947	\$ 386,339	11.75%	\$ 100,299	\$ 486,638	85.754%	E20 * F20	\$ 417,313	\$ -
21	Small Business Energy Saver	4,058	\$ 23,662,989	\$ 11,119,515	\$ 5,004,816	11.75%	\$ 718,477	\$ 5,723,293	85.754%	E21 * F21	\$ 4,907,977	\$ (11,484)
22	Total for Non-Residential Conservation Programs	16,300	\$ 90,882,016	\$ 55,041,947	\$ 17,380,276		\$ 4,425,246	\$ 21,805,523			\$ 18,699,198	\$ (11,484)
23	EnergyWise for Business	5,063	\$ 548,603	\$ 691,636	\$ 1,896,524	11.75%	\$ (141,574)	\$ 1,754,950	86.339%		\$ 1,269,454	\$ (569)
24	Commercial, Industrial, Governmental Energy Efficiency (CIG EE, E)	1,928	\$ -	\$ 2,964,614	\$ 1,352,902	11.75%	\$ 189,376	\$ 1,542,278	86.339%		\$ 1,115,617	\$ -
25	Total for Non-Residential DSM Programs	6,991	\$ 548,603	\$ 3,656,249	\$ 3,249,426		\$ 47,802	\$ 3,297,228	86.339%	NC Allocation Factor 51.99%	\$ 2,385,071	\$ (569)
26	Total Non Residential	23,291	\$ 91,430,619	\$ 58,698,197	\$ 20,629,702		\$ 4,473,048	\$ 25,102,750			\$ 21,084,269	\$ (12,053)
27	Total All Programs	108,964	\$ 320,872,506	\$ 136,771,870	\$ 66,795,579		\$ 8,242,208	\$ 75,037,787			\$ 64,379,293	\$ 2,787
	(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year											
	(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak											
28	DSDR	205,053	\$ 32,097,809	\$ -	\$ 16,923,949		\$ -	\$ 16,923,949			\$ -	\$ -
29	Total with DSDR	314,017	\$ 352,970,315	\$ 136,771,870	\$ 83,719,528		\$ 8,242,208	\$ 91,961,736			\$ 64,379,293	\$ 2,787

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	A	B	C	D	E	F	G	H					
				=(A-B)*C	=(B+D)			=K (from page 2)					
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ⁽¹⁾	NC Retail kWh Sales Allocation Factor	NC Residential Unadjusted Revenue Requirement ⁽²⁾	NC Residential Adjusted Revenue Requirement		
Residential Programs													
EE Programs													
1	Appliance Recycling Program	-	-	\$ -	\$ -	11.75%	\$ -	\$ -	85.940%	E1 * F1	\$ -	\$ 70,614	
2	Energy Efficient Appliances and Devices	2,107	2,911	11,590,763	\$ 5,644,364	11.75%	\$ 506,228	\$ 1,842,270	85.940%	E2 * F2	\$ 1,583,239	\$ 925,900	
3	Energy Efficiency Education Program	(316)	10	1,857,439	\$ 360,751	0.00%	\$ -	\$ 396,660	85.940%	E3 * F3	\$ 340,888	\$ -	
4	Energy Efficient Lighting	3,181	1,416	19,297,091	\$ 11,379,808	11.75%	\$ 681,468	\$ 6,261,547	85.940%	E4 * F4	\$ 5,381,146	\$ 3,388,413	
5	Residential Smart Saver®	1,922	614	6,809,114	\$ 3,855,373	11.75%	\$ (294,966)	\$ 6,070,756	85.940%	E5 * F5	\$ 5,217,181	\$ 90,897	
6	Weatherization Pilot	39	47	208,430	\$ 106,305	0.00%	\$ -	\$ 63,139	85.940%	E6 * F6	\$ 54,261	\$ -	
7	Multi-Family Energy Efficiency Program	187	286	1,474,721	\$ 673,764	11.75%	\$ 34,814	\$ 412,285	85.940%	E7 * F7	\$ 354,316	\$ 409,576	
8	Neighborhood Energy Saver	94	84	592,133	\$ 234,069	0.00%	\$ -	\$ 601,722	85.940%	E8 * F8	\$ 517,117	\$ -	
9	Residential Energy Assessments	703	571	6,006,904	\$ 2,870,462	11.75%	\$ 96,864	\$ 2,142,951	85.940%	E9 * F9	\$ 1,841,643	\$ 248,795	
10	Residential New Construction	4,854	5,981	19,718,837	\$ 20,371,403	11.75%	\$ 229,857	\$ 18,645,032	85.940%	E10* F11	\$ 16,023,459	\$ 676,179	
11	Residential Home Advantage	-	-	-	\$ -	11.75%	\$ -	\$ -	85.940%	E11 * F11	\$ -	\$ 60,967	
12	Total for Residential Conservation Programs	12,771	11,920	67,555,430	\$ 45,496,299		\$ 1,254,265	\$ 36,436,362			\$ 31,313,250	\$ 5,871,340	
13	My Home Energy Report	35,870	33,131	186,446,714	\$ 9,412,164	11.75%	\$ 618,001	\$ 4,770,582	85.940%	E13*F13	\$ 4,099,817	\$ 531,107	
14	Total Residential Conservation and Behavioral Programs	48,641	45,052	254,002,144	\$ 54,908,464		\$ 1,872,266	\$ 41,208,944			\$ 35,413,067	\$ 6,402,447	
15	Power Manager	28,705	(38)	-	\$ 882,669	11.75%	\$ (183,383)	\$ 2,259,994	86.866%	NC Residential Peak Demand Allocation Factor	49.74%	\$ 4,209,359	\$ 4,363,185
16	Total Residential	77,345	45,013	254,002,144	\$ 55,791,133		\$ 1,688,883	\$ 43,466,938			\$ 39,622,426	\$ 10,765,632	
Non-Residential Programs													
EE Programs													
17	Energy Efficient Lighting	1,319	289	5,087,824	\$ 3,107,376	11.75%	\$ 290,806	\$ 923,239	85.940%	E17 * F17	\$ 793,428	\$ 1,177,104	
18	Smart Saver® Non-Residential Prescriptive	7,182	7,357	47,511,983	\$ 23,029,486	11.75%	\$ 1,733,949	\$ 10,006,423	85.940%	E18 * F18	\$ 8,599,477	\$ 3,671,353	
19	Smart Saver® Non-Residential - Custom	2,939	3,035	11,947,765	\$ 8,026,993	11.75%	\$ 489,444	\$ 4,350,957	85.940%	E19 * F19	\$ 3,739,193	\$ 421,053	
20	Smart Saver(R) Non-Residential Performance Incentive Program	124	120	891,850	\$ 377,359	11.75%	\$ 17,834	\$ 243,411	85.940%	E20 * F20	\$ 209,186	\$ 18,709	
21	Small Business Energy Saver	3,911	4,831	23,461,416	\$ 9,839,017	11.75%	\$ 500,973	\$ 6,076,392	85.940%	E21 * F21	\$ 5,222,025	\$ 1,088,544	
22	Total for Non-Residential Conservation Programs	15,473	15,633	88,900,839	\$ 44,380,231		\$ 3,033,006	\$ 21,600,422			\$ 18,563,309	\$ 6,376,763	
23	EnergyWise for Business	4,406	10	54,238	\$ 456,862	11.75%	\$ (105,900)	\$ 1,252,237	86.866%		\$ 711,840	\$ (91,991)	
24	Commercial, Industrial, Governmental Energy Efficiency (CIG EE, E)	7,970	93	-	\$ 11,618,565	11.75%	\$ 717,481	\$ 6,229,822	86.866%		\$ 3,541,372	\$ 402,658	
25	Total for Non-Residential DSM Programs	12,376	103	54,238	\$ 12,075,427		\$ 611,581	\$ 7,482,060	86.866%	NC Allocation 50.26%	\$ 4,253,212	\$ 310,667	
26	Total Non Residential	27,850	15,736	88,955,076	\$ 56,455,657		\$ 3,644,587	\$ 29,082,482			\$ 22,816,521	\$ 6,687,430	
27	Total All Programs	105,195	60,749	342,957,220	\$ 112,246,791		\$ 5,333,470	\$ 72,549,420			\$ 62,438,947	\$ 17,453,062	
<p>(1) My Home Energy Report impacts reflect cumulative capability as of end of vintage year</p> <p>(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak</p>													
28	DSDR	274,893	274,893	36,438,277	\$ 9,705,577			\$ 9,705,577					
29	Total with DSDR	380,088	335,642	379,395,497	\$ 112,246,791		\$ 5,333,470	\$ 82,254,997			\$ 62,438,947	\$ 17,453,062	

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	A	B	C	D	E	F	G	H	I	J											K				
	=A*B	=A*C	=A*B	=A*C			=PMTE(F,G)	=1-B													=H				
Residential Programs	NC Incentive	Income Tax Rate	Income Taxes	Net-of-Tax PPI - Total NPV	Discount Rate	PPI Amortization Period	Vintage Year 2021- Year 1 PPI	Income Tax Gross-Up Factor	Adjusted PPI	I Prior Period PPI	Vintage 2009 PPI	Vintage 2010 PPI	Vintage 2011 PPI	Vintage 2012 PPI	Vintage 2013 PPI	Vintage 2014 PPI	Vintage 2015 PPI	Vintage 2016 PPI	Vintage 2017 PPI	Vintage 2018 PPI	Vintage 2019 PPI	Vintage 2020 PPI	PPI Values for Test Period		
EE Programs																									
1 Appliances Recycling Program	\$ -	23.13%	\$ -	\$ -	6.54%	10	\$ -	76.87%	\$ -	\$ 70,614	\$ -	\$ -	\$ -	\$ 38,647	\$ 17,038	\$ 7,505	\$ 4,492	\$ 3,011	\$ (79)	\$ -	\$ -	\$ -	\$ -	\$ 70,614	
2 Appliances and Devices	\$ 435,050	23.13%	\$ (100,640)	\$ 334,410	6.54%	5	\$ 80,551	76.87%	\$ 104,793	\$ 821,107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 396,792	\$ 228,333	\$ 195,981	\$ 137,717	\$ -	\$ 925,900	
3 Energy Education Program for Schools	\$ -	23.13%	\$ -	\$ -	6.54%	N/A	\$ -	76.87%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4 Energy Efficient Lighting	\$ 585,651	23.13%	\$ (135,479)	\$ 450,172	6.54%	5	\$ 108,435	76.87%	\$ 141,069	\$ 2,247,344	\$ -	\$ -	\$ -	\$ 621,854	\$ 636,857	\$ 297,825	\$ 232,048	\$ -	\$ 473,444	\$ 418,950	\$ 366,266	\$ 243,963	\$ -	\$ 3,388,413	
5 Residential Service - Smart Saver	\$ (253,492)	23.13%	\$ 58,640	\$ (194,852)	6.54%	10	\$ (27,152)	76.87%	\$ (35,323)	\$ -	\$ -	\$ -	\$ -	\$ 108,864	\$ 0	\$ 14,647	\$ 24,334	\$ 13,823	\$ (9,166)	\$ (12,271)	\$ (14,011)	\$ (14,689)	\$ -	\$ 90,897	
6 Low Income Weatherization Pilot	\$ -	23.13%	\$ -	\$ -	6.54%	5	\$ -	76.87%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7 Multi-Family Energy Efficiency Program	\$ 79,919	23.13%	\$ (6,921)	\$ 72,998	6.54%	5	\$ 5,540	76.87%	\$ 7,207	\$ 402,369	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 186,211	\$ 123,296	\$ 92,863	\$ 12,097	\$ -	\$ 409,576	
8 Neighborhood Energy Saver	\$ -	23.13%	\$ -	\$ -	6.54%	N/A	\$ -	76.87%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
9 Residential Energy Assessments	\$ 83,244	23.13%	\$ (19,257)	\$ 63,988	6.54%	5	\$ 15,413	76.87%	\$ 20,052	\$ 228,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,834	\$ 85,701	\$ 54,208	\$ 45,994	\$ -	\$ 248,795	
10 Residential New Construction	\$ 197,538	23.13%	\$ (45,696)	\$ 151,841	6.54%	10	\$ 21,159	76.87%	\$ 27,526	\$ 648,653	\$ -	\$ -	\$ -	\$ -	\$ 47,653	\$ 54,738	\$ 72,258	\$ 139,487	\$ 138,767	\$ 135,410	\$ 60,340	\$ 56,144	\$ -	\$ 676,179	
11 Residential Home Advantage	\$ -	23.13%	\$ -	\$ -	6.54%	10	\$ -	76.87%	\$ -	\$ 60,967	\$ -	\$ -	\$ -	\$ -	\$ 60,450	\$ 517	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,967	
12 Total for Residential Conservation Programs	\$ 1,077,810		\$ (249,353)	\$ 828,557			\$ 203,946		\$ 265,323	\$ 5,066,017	\$ -	\$ -	\$ -	\$ 829,834	\$ 702,066	\$ 474,715	\$ 433,132	\$ 156,321	\$ 1,274,803	\$ 979,420	\$ 755,748	\$ 481,227	\$ -	\$ 5,871,340	
13 My Home Energy Report	\$ 531,107	23.13%	\$ (122,863)	\$ 408,246	6.54%	1	\$ 408,246	76.87%	\$ 531,107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 531,107	
14 Total Residential Conservation and Behavioral Prog	\$ 1,609,018		\$ (372,214)	\$ 1,236,804			\$ 612,192		\$ 796,430	\$ 5,606,017	\$ -	\$ -	\$ -	\$ 829,834	\$ 702,066	\$ 474,715	\$ 433,132	\$ 156,321	\$ 1,274,803	\$ 979,420	\$ 755,748	\$ 481,227	\$ -	\$ 6,402,448	
15 EnergyWise	\$ (159,298)	23.13%	\$ 36,850	\$ (122,448)	6.54%	10	\$ (17,063)	76.87%	\$ (22,198)	\$ 4,385,382	\$ -	\$ -	\$ -	\$ 347,959	\$ 301,384	\$ 369,622	\$ 265,377	\$ 911,814	\$ 796,851	\$ 716,674	\$ 676,304	\$ 100,486	\$ -	\$ 4,363,185	
16 Total Residential	\$ 1,449,719		\$ (35,364)	\$ 1,414,356			\$ 595,129		\$ 774,233	\$ 9,991,400	\$ -	\$ -	\$ -	\$ 1,127,773	\$ 1,003,450	\$ 644,237	\$ 688,004	\$ 1,067,635	\$ 2,071,654	\$ 1,696,094	\$ 1,433,052	\$ 990,711	\$ -	\$ 10,765,632	
Non-Residential Programs																									
EE Programs																									
17 Energy Efficient Lighting	\$ 240,917	23.13%	\$ (57,813)	\$ 183,104	6.54%	5	\$ 46,273	76.87%	\$ 60,199	\$ 1,116,905	\$ -	\$ -	\$ -	\$ 153,107	\$ 171,971	\$ 116,186	\$ 152,430	\$ -	\$ 191,685	\$ 163,956	\$ 167,570	\$ 90,153	\$ -	\$ 1,177,104	
18 Non-Residential Smart Saver Prescriptive	\$ 1,490,148	23.13%	\$ (344,716)	\$ 1,145,432	6.54%	3	\$ 432,782	76.87%	\$ 563,027	\$ 3,108,325	\$ -	\$ -	\$ -	\$ 722,666	\$ 678,479	\$ 438,885	\$ 369,180	\$ -	\$ -	\$ -	\$ 899,116	\$ 787,807	\$ 317,153	\$ -	\$ 3,671,953
19 Non-Residential Smart Saver Custom	\$ 420,626	23.13%	\$ (97,303)	\$ 323,323	6.54%	3	\$ 122,162	76.87%	\$ 158,926	\$ 262,127	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 262,127	\$ 227,576	\$ 421,053	\$ -	\$ 421,053
20 Non-Res SmartSaver Performance	\$ 15,327	23.13%	\$ (3,546)	\$ 11,781	6.54%	3	\$ 4,451	76.87%	\$ 5,791	\$ 12,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,918	\$ 12,560	\$ 18,709	\$ -	\$ 31,560
21 Small Business Energy Saver	\$ 430,534	23.13%	\$ (99,955)	\$ 330,579	6.54%	3	\$ 125,039	76.87%	\$ 162,670	\$ 929,375	\$ -	\$ -	\$ -	\$ -	\$ 80,709	\$ 217,323	\$ 241,051	\$ -	\$ -	\$ -	\$ 386,792	\$ 231,240	\$ 1,038,544	\$ -	\$ 1,038,544
22 Total for Non-Residential Conservation Programs	\$ 2,606,552		\$ (602,974)	\$ 2,003,578			\$ 730,708		\$ 950,613	\$ 5,426,150	\$ -	\$ -	\$ -	\$ 875,773	\$ 931,159	\$ 772,394	\$ 762,661	\$ -	\$ 191,685	\$ 163,956	\$ 1,728,523	\$ 1,380,336	\$ -	\$ 6,376,763	
23 EnergyWise for Business	\$ (91,991)	23.13%	\$ 21,280	\$ (70,711)	6.54%	1	\$ (70,711)	76.87%	\$ (91,991)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (91,991)	
24 Commercial, Industrial, & Governmental Demand Re	\$ 623,250	23.13%	\$ (144,176)	\$ 479,074	6.54%	3	\$ 181,010	76.87%	\$ 235,484	\$ 167,174	\$ -	\$ -	\$ -	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ -	\$ -	\$ 99,592	\$ 61,897	\$ -	\$ 402,658	
25 Total for Non-Residential DSM Programs	\$ 531,259		\$ (122,896)	\$ 408,363			\$ 110,299		\$ 143,493	\$ 167,174	\$ -	\$ -	\$ -	\$ 28,315	\$ 9,714	\$ 25,139	\$ 4,414	\$ -	\$ -	\$ -	\$ 99,592	\$ 61,897	\$ -	\$ 310,667	
26 Total Non Residential	\$ 3,137,811		\$ (725,870)	\$ 2,411,941			\$ 841,007		\$ 1,094,106	\$ 5,593,324	\$ -	\$ -	\$ -	\$ 904,088	\$ 940,873	\$ 797,533	\$ 767,075	\$ -	\$ 191,685	\$ 163,956	\$ 1,828,114	\$ 1,442,232	\$ -	\$ 6,687,430	
27 Total All Programs	\$ 4,587,530		\$ (1,061,231)	\$ 3,526,297			\$ 1,436,136		\$ 1,868,339	\$ 15,584,724	\$ -	\$ -	\$ -	\$ 2,081,861	\$ 1,984,323	\$ 1,641,770	\$ 1,465,580	\$ 1,067,635	\$ 2,263,339	\$ 1,860,050	\$ 3,260,166	\$ 2,032,945	\$ -	\$ 17,453,062	

(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

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	A	B	C	D =(A-B)*C	E =(B+D)	F	G	H	I =K (from page 2)			
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	Unadjusted Rev Requirement ¹⁾	NC Retail kWh Sales Allocation Factor	NC Allocation Factor (2)	NC Residential Unadjusted Revenue Requirement ²⁾	NC Residential Adjusted Revenue Requirement
Residential Programs												
EE Programs												
1 Energy Efficient Appliances and Devices	2,731	3,801	16,115,033	\$ 10,702,720	\$ 4,152,406	10.60%	\$ 694,333	\$ 4,846,739	86.2249134%	E1 * F1	\$ 4,179,097	\$ 851,468
2 Appliance Recycling Program	-	-	-	-	-	10.60%	\$ -	\$ -	86.2249134%	E2 * F2	\$ -	\$ 14,929
3 Energy Efficiency Education Program	(965)	32	5,681,882	1,095,922	998,453	10.60%	\$ 116,168	\$ 1,114,620	86.2249134%	E3 * F3	\$ 961,080	\$ 100,165
4 Energy Efficient Lighting	1,233	549	5,973,230	7,477,422	5,278,291	10.60%	\$ 73,664	\$ 5,351,955	86.2249134%	E4 * F4	\$ 4,614,719	\$ 1,598,595
5 Residential Smart Saver ³⁾	1,745	536	6,302,795	5,156,836	4,106,463	10.60%	\$ 111,340	\$ 4,217,802	86.2249134%	E5 * F5	\$ 3,636,796	\$ 456
6 Weatherization Pilot	-	-	-	-	18,441	-	\$ -	\$ 18,441	86.2249134%	E6 * F6	\$ 15,901	\$ -
7 Multi-Family Energy Efficiency Program	1,139	1,609	9,303,445	5,389,538	2,073,496	10.60%	\$ 351,500	\$ 2,424,996	86.2249134%	E7 * F7	\$ 2,090,951	\$ 290,778
8 Neighborhood Energy Saver	1,003	863	4,628,647	3,403,931	3,401,314	10.60%	\$ 360,817	\$ 3,762,131	86.2249134%	E8 * F8	\$ 3,243,894	\$ 311,114
9 Residential Energy Assessments	1,649	1,325	14,021,573	8,383,117	3,999,768	10.60%	\$ 464,635	\$ 4,464,403	86.2249134%	E9 * F9	\$ 3,849,428	\$ 362,195
10 Residential New Construction	5,706	6,924	21,987,507	34,357,388	20,473,764	10.60%	\$ 1,471,664	\$ 21,945,429	86.2249134%	E10 * F10	\$ 18,922,427	\$ 1,215,246
11 Save Energy and Water Kit	-	-	-	-	-	10.60%	\$ -	\$ -	86.2249134%	E10 * F10	\$ -	\$ -
12 Residential Home Advantage	-	-	-	-	-	10.60%	\$ -	\$ -	86.2249134%	E11 * F11	\$ -	\$ -
13 Total for Residential Conservation Programs	14,239	15,639	85,418,304	74,462,682	44,502,396	-	\$ 3,644,120	\$ 48,146,517	-	-	\$ 41,514,293	\$ 4,744,447
14 My Home Energy Report	34,581	31,941	179,747,685	11,064,476	4,436,641	10.60%	\$ 702,551	\$ 5,139,191	86.2249134%	E12 * F12	\$ 4,431,263	\$ 605,774
15 Total Residential Conservation and Behavioral Programs	48,820	47,580	265,165,989	\$ 85,527,158	\$ 48,939,037	-	\$ 4,346,671	\$ 53,285,708	-	-	\$ 45,945,556	\$ 5,350,220
NC Residential Peak Demand Allocation Factor												
16 Power Manager	38,161	22,860	-	6,572,479	3,345,888	10.60%	\$ 342,019	\$ 3,687,907	87.3612508%	(E13+E23) * F13 * G13	\$ 3,565,989	\$ 3,950,075
17 Total Residential	86,981	70,439	265,165,989	\$ 92,099,637	\$ 52,284,925	-	\$ 4,688,689	\$ 56,973,615	-	-	\$ 49,511,545	\$ 9,300,295
Non-Residential Programs												
EE Programs												
18 Energy Efficient Lighting	510	112	1,967,987	1,786,086	639,739	10.60%	\$ 121,513	\$ 761,252	86.2249134%	E15 * F15	\$ 656,389	\$ 678,601
19 Smart Saver ³⁾ Non-Residential - Custom	3,348	3,348	23,679,541	14,526,547	5,240,921	10.60%	\$ 984,276	\$ 6,225,197	86.2249134%	E16 * F16	\$ 5,367,671	\$ 667,889
20 Smart Saver ³⁾ Non-Residential Prescriptive	8,299	7,990	43,554,374	30,766,481	14,970,119	10.60%	\$ 1,674,414	\$ 16,644,534	86.2249134%	E17 * F17	\$ 14,351,735	\$ 2,790,343
21 Smart Saver(R) Non-Residential Performance Incentive Program	710	710	6,222,380	3,272,977	842,985	10.60%	\$ 257,579	\$ 1,100,564	86.2249134%	E18 * F18	\$ 948,961	\$ 113,031
22 Small Business Energy Saver	4,565	3,967	25,216,449	15,333,941	8,484,471	10.60%	\$ 726,044	\$ 9,210,515	86.2249134%	E19 * F19	\$ 7,941,759	\$ 1,348,289
23 Total for Non-Residential Conservation Programs	17,433	16,127	100,640,732	\$ 65,686,033	\$ 30,178,236	-	\$ 3,763,826	\$ 33,942,062	-	-	\$ 29,266,515	\$ 5,598,153
NC Non-Residential Peak Demand Allocation Factor												
24 EnergyWise for Business	4,772	3,564	117,810	1,323,135	1,195,721	10.60%	\$ 13,506	\$ 1,209,227	-	-	\$ 953,728	\$ 11,799
25 Commercial, Industrial, Governmental DR	3,106	1,770	-	8,612,127	2,160,777	10.60%	\$ 683,843	\$ 2,844,620	-	-	\$ 2,243,577	\$ 576,069
26 Total for Non-Residential DSM Programs	7,877	5,334	117,810	\$ 9,935,262	\$ 3,356,499	-	\$ 697,349	\$ 4,053,848	87.3612508%	(E13+E23) * F23 * G23	\$ 3,197,304	\$ 587,868
27 Total Non Residential	25,310	21,462	100,758,542	\$ 75,621,294	\$ 33,534,735	-	\$ 4,461,175	\$ 37,995,910	-	-	\$ 32,463,819	\$ 6,186,021
28 Total All Programs	112,291	91,901	365,924,531	\$ 167,720,931	\$ 85,819,660	-	\$ 9,149,865	\$ 94,969,524	-	-	\$ 81,975,364	\$ 15,486,316
DSDR												
1 DSDR	286,946	266,860	43,780,327		\$ 10,434,240	N/A	\$ -	\$ 10,434,240			\$ -	\$ -
Total All Programs with DSDR	399,237	358,761	409,704,858	\$ 167,720,931	\$ 96,253,900	-	\$ 9,149,865	\$ 105,403,765			\$ 81,975,364	\$ 15,486,316
(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							10.7%					

Duke Energy Progress
Hollbrook, Exhibit 1
Vintage 2023 Estimate - January 1, 2023 to December 31, 2023
Docket No. E-2, Sub 1294
Load Impacts and Estimated Revenue Requirements by Program

Table with columns A through K containing financial data for Residential Programs and Non-Residential Programs. Includes sub-headers for EE Programs and NE Programs. Rows list various programs like Appliances and Devices, Energy Efficient Lighting, and Residential Smart Savers with associated costs and PPI values.

Duke Energy Progress
For the Period January 1, 2018 - December 31, 2023
Docket No. E-2, Sub 1294
North Carolina Net Lost Revenue for Vintages 2016 - 2023

Vintage 2016

Line	Residential	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Appliance Recycling Program	\$ 5,095	\$ 12,308	\$ 5,392	\$ 3,265	\$ -	\$ -	\$ -	\$ -	26,060
2	Energy Education Program for Schools	\$ 59,240	\$ 135,532	\$ 45,380	\$ 18,760	\$ -	\$ -	\$ -	\$ -	258,912
3	Energy Efficient Lighting	\$ 1,033,814	\$ 2,116,981	\$ 650,510	\$ 233,337	\$ -	\$ -	\$ -	\$ -	4,034,642
4	Home Energy Improvement Program	\$ 163,848	\$ 370,108	\$ 105,628	\$ 31,983	\$ -	\$ -	\$ -	\$ -	671,566
5	Multi-Family	\$ 332,768	\$ 658,165	\$ 182,400	\$ 50,332	\$ -	\$ -	\$ -	\$ -	1,223,664
6	My Home Energy Report	\$ 5,415,953	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,415,953
7	Neighborhood Energy Saver	\$ 44,319	\$ 105,283	\$ 31,744	\$ 10,875	\$ -	\$ -	\$ -	\$ -	192,221
8	Residential Energy Assessments	\$ 106,622	\$ 320,122	\$ 96,752	\$ 23,120	\$ -	\$ -	\$ -	\$ -	546,615
9	Residential New Construction	\$ 274,821	\$ 608,926	\$ 167,378	\$ 51,186	\$ -	\$ -	\$ -	\$ -	1,102,311
10	Save Energy and Water Kit	\$ 362,695	\$ 987,169	\$ 274,247	\$ 78,992	\$ -	\$ -	\$ -	\$ -	1,703,093
11	Total Lost Revenues	\$ 7,799,165	\$ 5,314,593	\$ 1,559,431	\$ 501,848	\$ -	\$ -	\$ -	\$ -	15,175,037
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
13	Net Lost Residential Revenues	\$ 7,799,165	\$ 5,314,593	\$ 1,559,431	\$ 501,848	\$ -	\$ -	\$ -	\$ -	15,175,037
Non-Residential										
14	Business Energy Reports	\$ 191,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	191,245
15	Energy Efficiency for Business	\$ 1,638,505	\$ 3,101,812	\$ 1,790,225	\$ 694,350	\$ -	\$ -	\$ -	\$ -	7,224,892
16	Energy Efficient Lighting	\$ 246,438	\$ 478,231	\$ 276,035	\$ 125,435	\$ -	\$ -	\$ -	\$ -	1,126,139
17	Small Business Energy Saver	\$ 1,100,746	\$ 2,221,654	\$ 1,282,342	\$ 535,303	\$ -	\$ -	\$ -	\$ -	5,140,045
18	EnergyWise for Business	\$ 7,298	\$ 19,733	\$ 11,390	\$ 6,032	\$ -	\$ -	\$ -	\$ -	44,453
19	Total Lost Revenues	\$ 3,184,232	\$ 5,821,430	\$ 3,359,992	\$ 1,361,119	\$ -	\$ -	\$ -	\$ -	13,728,774
20	Found Non-Residential Revenues	\$ (68,561)	\$ (113,553)	\$ (69,282)	\$ -	\$ -	\$ -	\$ -	\$ -	(251,396)
21	Net Lost Non-Residential Revenues	\$ 3,115,672	\$ 5,707,877	\$ 3,290,710	\$ 1,361,119	\$ -	\$ -	\$ -	\$ -	13,475,378
DSDR										
22	DSDR	\$ 115,745	\$ 66,983	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	182,728

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

Vintage 2017

Line	Residential	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Energy Efficiency Education Program	\$ -	\$ 75,158	\$ 82,127	\$ 71,730	\$ 28,278	\$ -	\$ -	\$ -	257,293
2	Save Energy and Water Kit	\$ -	\$ 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	\$ -	\$ -	\$ -	3,415,908
4	Multi-Family Energy Efficiency Program	\$ -	\$ 458,694	\$ 653,898	\$ 598,323	\$ 295,671	\$ -	\$ -	\$ -	2,006,585
5	My Home Energy Report	\$ -	\$ 5,945,619	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	5,945,619
6	Neighborhood Energy Saver	\$ -	\$ 42,581	\$ 61,285	\$ 54,279	\$ 28,517	\$ -	\$ -	\$ -	186,662
7	Residential Energy Assessments	\$ -	\$ 210,303	\$ 275,808	\$ 246,877	\$ 117,628	\$ -	\$ -	\$ -	850,616
8	Residential New Construction	\$ -	\$ 369,740	\$ 519,463	\$ 468,424	\$ 233,640	\$ -	\$ -	\$ -	1,591,267
9	Home Energy Improvement Program	\$ -	\$ 235,241	\$ 284,755	\$ 250,445	\$ 112,910	\$ -	\$ -	\$ -	883,352
10	Total Lost Revenues	\$ -	\$ 8,742,775	\$ 3,953,304	\$ 3,583,875	\$ 1,778,164	\$ -	\$ -	\$ -	18,058,118
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
12	Net Lost Residential Revenues	\$ -	\$ 8,742,775	\$ 3,953,304	\$ 3,583,875	\$ 1,778,164	\$ -	\$ -	\$ -	18,058,118
Non-Residential										
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	\$ 46,985	\$ 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 Prog	\$ -	\$ 8,952	\$ 20,325	\$ 21,112	\$ 12,355	\$ -	\$ -	\$ -	62,744
18	Energy Efficiency for Business - Prescriptive	\$ -	\$ 2,202,094	\$ 3,875,364	\$ 4,024,915	\$ 1,714,272	\$ -	\$ -	\$ -	11,816,646
19	Energy Efficiency for Business - 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										
23	DSDR	\$ -	\$ 65,125	\$ 2,329	\$ -	\$ -	\$ -	\$ -	\$ -	67,453

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

Vintage 2018

Line	Residential	2016	2017	2018	2019	2020	2021	2022	2023	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	\$ 1,381,821	\$ 935,237	\$ -	\$ -	\$ -	2,959,758
5	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ 445,045	\$ 881,489	\$ 596,691	\$ -	\$ -	\$ -	1,923,225
6	My Home Energy Report	\$ -	\$ -	\$ 7,605,727	\$ -	\$ -	\$ -	\$ -	\$ -	7,605,727
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	\$ -	\$ -	\$ -	968,468
11	Total Lost Revenues	\$ -	\$ -	\$ 10,142,497	\$ 5,118,292	\$ 3,464,637	\$ -	\$ -	\$ -	18,725,425
12	Found Residential Revenues	\$ -	\$ -	\$ (4,903)	\$ (8,353)	\$ (5,569)	\$ -	\$ -	\$ -	(18,824)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ 10,137,594	\$ 5,109,939	\$ 3,459,068	\$ -	\$ -	\$ -	18,706,602
Non-Residential										
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	\$ -	\$ -	\$ 2,157,835	\$ 3,541,788	\$ 2,368,712	\$ -	\$ -	\$ -	8,068,334
19	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ 345,367	\$ 534,452	\$ 357,436	\$ -	\$ -	\$ -	1,237,255
20	Total Lost Revenues	\$ -	\$ -	\$ 3,524,437	\$ 6,097,981	\$ 4,078,268	\$ -	\$ -	\$ -	13,700,685
21	Found Non-Residential Revenues	\$ -	\$ -	\$ (31,247)	\$ (55,439)	\$ (36,959)	\$ -	\$ -	\$ -	(123,644)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ 3,493,190	\$ 6,042,542	\$ 4,041,309	\$ -	\$ -	\$ -	13,577,041

(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	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Energy Efficiency Education Program				\$ 112,171	\$ 134,338	\$ 32,528	\$ 25,540	\$ -	\$ 304,577
2	Energy Efficient Appliances and Devices				\$ 515,392	\$ 809,864	\$ 374,006	\$ 253,762	\$ -	\$ 1,953,024
3	Energy Efficient Lighting				\$ 1,044,587	\$ 1,411,674	\$ 554,828	\$ 354,546	\$ -	\$ 3,366,635
4	Multi-Family Energy Efficiency Program				\$ 423,542	\$ 555,710	\$ 200,656	\$ 134,260	\$ -	\$ 1,314,167
5	My Home Energy Report				\$ 8,989,654	\$ -	\$ -	\$ -	\$ -	\$ 8,989,654
6	Neighborhood Energy Saver				\$ 92,557	\$ 109,512	\$ 43,341	\$ 26,812	\$ -	\$ 262,222
7	Residential Energy Assessments				\$ 244,084	\$ 341,865	\$ 140,124	\$ 92,250	\$ -	\$ 818,323
8	Residential New Construction				\$ 523,723	\$ 815,936	\$ 363,043	\$ 250,022	\$ -	\$ 1,952,725
9	Residential Smart Saver®				\$ 210,486	\$ 324,420	\$ 151,191	\$ 97,924	\$ -	\$ 784,021
10	Weatherization Pilot				\$ 3,908	\$ 6,826	\$ 3,274	\$ 2,193	\$ -	\$ 16,201
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 12,150,103	\$ 4,510,143	\$ 1,862,992	\$ 1,237,310	\$ -	\$ 19,760,548
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ 12,150,103	\$ 4,510,143	\$ 1,862,992	\$ 1,237,310	\$ -	\$ 19,760,548
Non-Residential										
14	Energy Efficient Lighting				\$ 208,345	\$ 278,434	\$ 105,186	\$ 67,259	\$ -	\$ 659,224
15	EnergyWise for Business				\$ 21,449	\$ 35,193	\$ 15,775	\$ 10,323	\$ -	\$ 82,740
16	Small Business Energy Saver				\$ 813,467	\$ 1,146,686	\$ 421,528	\$ 294,189	\$ -	\$ 2,675,869
17	Smart Saver(R) Non Residential Performance Incentive Program				\$ 30,568	\$ 50,425	\$ 26,063	\$ 16,649	\$ -	\$ 123,705
18	Smart Saver® Non Residential Prescriptive				\$ 1,221,053	\$ 1,647,977	\$ 630,839	\$ 412,102	\$ -	\$ 3,911,972
19	Smart Saver® Non-Residential - Custom				\$ 221,885	\$ 457,593	\$ 222,234	\$ 165,603	\$ -	\$ 1,067,314
20	Total Lost Revenues	\$ -	\$ -	\$ -	\$ 2,516,766	\$ 3,616,307	\$ 1,421,626	\$ 966,125	\$ -	\$ 8,520,824
21	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ (2,887)	\$ (9,706)	\$ (1,357)	\$ (835)	\$ -	\$ (6,585)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ 2,514,080	\$ 3,612,601	\$ 1,420,268	\$ 965,290	\$ -	\$ 8,512,240

(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	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Energy Efficiency Education Program				\$ -	\$ 39,503	\$ 88,045	\$ 88,104	\$ 53,914	\$ 269,565
2	Energy Efficient Appliances and Devices				\$ -	\$ 478,497	\$ 969,112	\$ 969,761	\$ 538,770	\$ 2,956,141
3	Energy Efficient Lighting				\$ -	\$ 526,646	\$ 990,034	\$ 990,698	\$ 513,855	\$ 3,021,232
4	Multi-Family Energy Efficiency Program				\$ -	\$ 136,010	\$ 101,668	\$ 101,737	\$ 7,717	\$ 347,132
5	My Home Energy Report				\$ -	\$ 9,210,111	\$ -	\$ -	\$ -	\$ 9,210,111
6	Neighborhood Energy Saver				\$ -	\$ 12,247	\$ 10,020	\$ 10,027	\$ 1,194	\$ 33,488
7	Residential Energy Assessments				\$ -	\$ 173,035	\$ 399,452	\$ 399,720	\$ 244,411	\$ 1,216,618
8	Residential New Construction				\$ -	\$ 613,230	\$ 1,204,018	\$ 1,204,825	\$ 642,728	\$ 3,664,802
9	Residential Smart Saver®				\$ -	\$ 201,538	\$ 409,393	\$ 409,668	\$ 221,737	\$ 1,242,336
10	Weatherization Pilot				\$ -	\$ 2,892	\$ 6,640	\$ 6,645	\$ 4,109	\$ 20,286
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ 11,393,708	\$ 4,178,362	\$ 4,181,183	\$ 2,228,435	\$ 21,981,709
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (12)	\$ (12)	\$ (22)	\$ (47)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ 11,393,708	\$ 4,178,370	\$ 4,181,170	\$ 2,228,413	\$ 21,981,662
Non-Residential										
14	Energy Efficient Lighting				\$ -	\$ 104,052	\$ 187,612	\$ 187,787	\$ 97,294	\$ 576,746
15	EnergyWise for Business				\$ -	\$ 14,795	\$ 18,491	\$ 18,508	\$ 8,123	\$ 59,917
16	Small Business Energy Saver				\$ -	\$ 460,707	\$ 723,691	\$ 724,366	\$ 348,913	\$ 2,257,677
17	Smart Saver(R) Non Residential Performance Incentive Program				\$ -	\$ -	\$ 161,946	\$ 162,097	\$ 133,188	\$ 483,959
18	Smart Saver® Non Residential Prescriptive				\$ -	\$ 917,203	\$ 1,634,100	\$ 1,635,623	\$ 875,894	\$ 5,062,820
19	Smart Saver® Non-Residential - Custom				\$ -	\$ 260,424	\$ 544,599	\$ 545,107	\$ 320,605	\$ 1,670,735
20	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ 1,783,009	\$ 3,270,439	\$ 3,270,497	\$ 1,784,018	\$ 10,111,854
21	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ (5,064)	\$ (9,609)	\$ (9,609)	\$ (5,421)	\$ (29,702)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ 1,778,845	\$ 3,260,830	\$ 3,263,878	\$ 1,778,597	\$ 8,303,554

Vintage 2021

Line	Residential	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Energy Efficiency Education Program				\$ -	\$ -	\$ 62,992	\$ 108,303	\$ 108,163	\$ 279,458
2	Energy Efficient Appliances and Devices				\$ -	\$ -	\$ 524,238	\$ 755,620	\$ 754,649	\$ 2,034,507
3	Energy Efficient Lighting				\$ -	\$ -	\$ 624,135	\$ 1,180,020	\$ 1,178,504	\$ 2,982,660
4	Multi-Family Energy Efficiency Program				\$ -	\$ -	\$ 25,093	\$ 104,000	\$ 103,866	\$ 232,949
5	My Home Energy Report				\$ -	\$ -	\$ 11,825,124	\$ -	\$ -	\$ 11,825,124
6	Neighborhood Energy Saver				\$ -	\$ -	\$ 15,460	\$ 42,987	\$ 42,931	\$ 101,378
7	Residential Energy Assessments				\$ -	\$ -	\$ 170,278	\$ 387,420	\$ 386,922	\$ 944,621
8	Residential New Construction				\$ -	\$ -	\$ 822,871	\$ 1,431,186	\$ 1,429,347	\$ 3,683,404
9	Residential Smart Saver®				\$ -	\$ -	\$ 257,139	\$ 478,730	\$ 478,115	\$ 1,213,984
10	Weatherization Pilot				\$ -	\$ -	\$ 9,458	\$ 15,131	\$ 15,112	\$ 38,701
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,335,779	\$ 4,503,396	\$ 4,497,611	\$ 23,336,786
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1)	\$ (228)	\$ (228)	\$ (456)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,335,778	\$ 4,503,168	\$ 4,497,384	\$ 23,336,330
Non-Residential										
14	Energy Efficient Lighting				\$ -	\$ -	\$ 164,625	\$ 311,121	\$ 310,721	\$ 786,466
15	EnergyWise for Business				\$ -	\$ -	\$ 1,931	\$ 2,693	\$ 2,688	\$ 7,312
16	Small Business Energy Saver				\$ -	\$ -	\$ 513,518	\$ 1,011,963	\$ 1,010,169	\$ 2,535,651
17	Smart Saver(R) Non Residential Performance Incentive Program				\$ -	\$ -	\$ 21,896	\$ 39,930	\$ 39,860	\$ 101,686
18	Smart Saver® Non Residential Prescriptive				\$ -	\$ -	\$ 1,085,743	\$ 2,145,267	\$ 2,141,463	\$ 5,372,474
19	Smart Saver® Non-Residential - Custom				\$ -	\$ -	\$ 303,152	\$ 615,107	\$ 614,016	\$ 1,532,275
20	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,090,865	\$ 4,126,080	\$ 4,118,917	\$ 10,335,863
21	Found Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,826)	\$ (5,545)	\$ (5,545)	\$ (13,917)
22	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,088,039	\$ 4,120,535	\$ 4,113,372	\$ 10,321,946

Vintage 2022										
Line	Residential	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Energy Efficiency Education Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 144,472	\$ 268,374	\$ 412,846
2	Energy Efficient Appliances and Devices	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,054,283	\$ 2,023,741	\$ 3,078,025
3	Energy Efficient Lighting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,970	\$ 758,735	\$ 1,159,705
4	Multi-Family Energy Efficiency Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 363,882	\$ 671,783	\$ 1,035,666
5	My Home Energy Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,262,304	\$ -	\$ 9,262,304
6	Neighborhood Energy Saver	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 118,763	\$ 231,356	\$ 350,119
7	Residential Energy Assessments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 514,092	\$ 870,739	\$ 1,384,832
8	Residential New Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 604,841	\$ 1,177,182	\$ 1,782,023
9	Residential Smart Saver®	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 198,059	\$ 365,646	\$ 563,705
10	Weatherization Pilot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,688	\$ 10,500	\$ 16,188
11	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,667,355	\$ 6,378,057	\$ 19,045,412
12	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (225)	\$ (415)	\$ (640)
13	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,667,130	\$ 6,377,642	\$ 19,044,772
Vintage 2022										
Line	Non-Residential	2016	2017	2018	2019	2020	2021	2022	2023	Total
14	Energy Efficient Lighting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 79,364	\$ 150,175	\$ 229,539
15	Small Business Energy Saver	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,206,418	\$ 2,227,235	\$ 3,433,653
16	Smart Saver(R) Non Residential Performance Incentive Prog	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,631	\$ 91,626	\$ 141,256
17	Smart Saver® Non Residential Prescriptive	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,659,749	\$ 3,064,152	\$ 4,723,901
18	Smart Saver® Non-Residential - Custom	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 407,424	\$ 752,168	\$ 1,159,593
19	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,402,586	\$ 6,285,353	\$ 9,687,939
20	Found Non- Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,254)	\$ (6,008)	\$ (9,262)
21	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,399,332	\$ 6,279,346	\$ 9,678,677
Vintage 2023										
Line	Residential	2016	2017	2018	2019	2020	2021	2022	2023	Total
1	Energy Efficiency Education Program				\$ -	\$ -	\$ -	\$ -	\$ 150,100	\$ 150,100
2	Energy Efficient Appliances and Devices				\$ -	\$ -	\$ -	\$ -	\$ 560,074	\$ 560,074
3	Energy Efficient Lighting				\$ -	\$ -	\$ -	\$ -	\$ 212,340	\$ 212,340
4	Multi-Family Energy Efficiency Program				\$ -	\$ -	\$ -	\$ -	\$ 356,967	\$ 356,967
5	My Home Energy Report				\$ -	\$ -	\$ -	\$ -	\$ 10,141,666	\$ 10,141,666
6	Neighborhood Energy Saver				\$ -	\$ -	\$ -	\$ -	\$ 131,175	\$ 131,175
7	Residential Energy Assessments				\$ -	\$ -	\$ -	\$ -	\$ 527,834	\$ 527,834
8	Residential New Construction				\$ -	\$ -	\$ -	\$ -	\$ 832,175	\$ 832,175
9	Residential Smart Saver®				\$ -	\$ -	\$ -	\$ -	\$ 243,725	\$ 243,725
10	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,156,057	\$ 13,156,057
11	Found Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (225)	\$ (225)
12	Net Lost Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,155,832	\$ 13,155,832
Vintage 2023										
Line	Non-Residential	2016	2017	2018	2019	2020	2021	2022	2023	Total
13	Energy Efficient Lighting					\$ -	\$ -	\$ -	\$ 40,177	\$ 40,177
14	Energy/Wise for Business					\$ -	\$ -	\$ -	\$ 2,975	\$ 2,975
15	Small Business Energy Saver					\$ -	\$ -	\$ -	\$ 620,471	\$ 620,471
16	Smart Saver(R) Non Residential Performance Incentive Program					\$ -	\$ -	\$ -	\$ 124,852	\$ 124,852
17	Smart Saver® Non Residential Prescriptive					\$ -	\$ -	\$ -	\$ 1,093,604	\$ 1,093,604
18	Smart Saver® Non-Residential - Custom					\$ -	\$ -	\$ -	\$ 494,441	\$ 494,441
19	Total Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,376,520	\$ 2,376,520
20	Found Non- Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,248)	\$ (3,248)
21	Net Lost Non-Residential Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,373,272	\$ 2,373,272

Duke Energy Progress
For the Period January 1, 2018 - December 31, 2020
Docket No. E-2, Sub 1294
North Carolina Net Lost Revenue
True Up for Vintages 2016 - 2020

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 1-13 including Appliance Recycling Program, Energy Education Program for Schools, Energy Efficient Lighting, Home Energy Improvement Program, Multi-Family, My Home Energy Report, Neighborhood Energy Saver, Residential Energy Assessments, Residential New Construction, Smart Saver® Non-Residential Prescriptive, Weatherization Pilot, and various Found and Net Lost Residential Revenues.

Table with columns: Non-Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 14-21 including Business Energy Reports, Energy Efficiency for Business, Energy Efficient Lighting, Small Business Energy Saver, EnergyWise for Business, Smart Saver® Non-Residential Performance Icon, Smart Saver® Non-Residential Prescriptive, and various Found and Net Lost Non-Residential Revenues.

Table with columns: DSDR, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Row 22 showing DSDR revenue of \$182,728.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 1-12 for Vintage 2017 as Filed Lost Revenue kWh \$.

Table with columns: Non-Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 13-21 for Vintage 2017 as Filed Lost Revenue kWh \$.

Table with columns: DSDR, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Row 22 showing DSDR revenue of \$67,453.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 1-12 for Vintage 2018 as Filed Lost Revenue kWh \$.

Table with columns: Non-Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 13-21 for Vintage 2018 as Filed Lost Revenue kWh \$.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 1-12 for Vintage 2019 as Filed Lost Revenue kWh \$.

Table with columns: Non-Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 13-21 for Vintage 2019 as Filed Lost Revenue kWh \$.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 1-12 for Vintage 2020 as Filed Lost Revenue kWh \$.

Table with columns: Non-Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows 13-21 for Vintage 2020 as Filed Lost Revenue kWh \$.

Duke Energy Progress
For the Period January 1, 2018 - December 31, 2020
Docket No. E-2, Sub 1294
North Carolina Net Lost Revenue
True Up for Vintages 2016 - 2020

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows include various energy programs like Appliance Recycling, Energy Education, Energy Efficient Lighting, etc.

DSOR table for 2016-2023 with columns: 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Values: 115,745, 1,868, (2,329), 0, 0, 0, 0, 115,276.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows include Energy Efficiency Education, Smart Saver(R) Non-Residential Performance Incentive, etc.

DSOR table for 2016-2023 with columns: 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Values: 115,745, 1,868, (2,329), 0, 0, 0, 0, 115,276.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows include Energy Efficiency Appliances and Devices, Smart Saver(R) Non-Residential Prescriptive, etc.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows include Energy Efficiency Appliances and Devices, Smart Saver(R) Non-Residential Prescriptive, etc.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows include Energy Efficiency Appliances and Devices, Smart Saver(R) Non-Residential Prescriptive, etc.

Table with columns: Line, Residential, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, Total. Rows include Energy Efficiency Appliances and Devices, Smart Saver(R) Non-Residential Prescriptive, etc.

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Actual Program Costs for Vintage Years 2018 - 2021
Docket No. E-2, Sub 1294

	Carolinas System - 12 Months Ended 12/31/2018	Carolinas System - 12 Months Ended 12/31/2019	Carolinas System - 12 Months Ended 12/31/2020	Carolinas System - 12 Months Ended 12/31/2021
1	Appliance Recycling Program	\$ -	\$ -	\$ -
2	Appliances and Devices	\$ -	\$ 2,160,799	\$ 3,051,854
3	Residential Service – Smart Saver	\$ 7,168,833	\$ 6,411,758	\$ 6,517,089
4	Energy Efficient Lighting	\$ 8,752,062	\$ 11,993,695	\$ 5,385,332
5	Neighborhood Energy Saver	\$ 1,845,739	\$ 1,671,298	\$ 401,046
6	Residential New Construction	\$ 13,189,949	\$ 15,113,951	\$ 18,861,261
7	Residential Energy Efficient Benchmarking	\$ -	\$ -	\$ -
8	Residential Home Advantage	\$ -	\$ -	\$ -
9	Energy Education Program for Schools	\$ 676,815	\$ 747,483	\$ 388,273
10	Multi-Family Energy Efficiency	\$ 2,409,743	\$ 2,156,484	\$ 892,251
11	My Home Energy Report	\$ 7,687,891	\$ 6,299,307	\$ 7,369,336
12	Residential Energy Assessments	\$ 1,851,965	\$ 2,113,798	\$ 2,160,729
13	Save Energy and Water Kit	\$ 825,279	\$ -	\$ -
14	Low Income Weatherization Pilot	\$ -	\$ 27,356	\$ 51,370
15	Business Energy Report	\$ -	\$ -	\$ -
16	Energy Efficiency for Business	\$ 13,690,077	\$ -	\$ -
17	Energy Efficient Lighting	\$ 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	\$ 201,559	\$ 267,186	\$ 386,339
21	Small Business Energy Saver	\$ 8,858,213	\$ 7,301,790	\$ 5,004,816
22	EnergyWise Home	\$ 14,619,512	\$ 15,117,800	\$ 14,221,860
23	EnergyWise for Business	\$ 2,108,030	\$ 2,412,880	\$ 1,896,524
24	Commercial, Industrial, & Governmental Demand Response	\$ 1,692,473	\$ 1,715,824	\$ 1,837,718
25	Total Energy Efficiency & Demand Side Program Costs	\$ 86,641,573	\$ 87,619,068	\$ 80,414,918

26	NC Allocation Factor for EE programs	85.56%	85.63%	85.75%	85.94%
27	NC Allocation Factor for DSM programs	86.53%	86.69%	86.34%	86.87%

	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)	NC Allocated - 12 Months Ended 12/31/2021 (1)
28	Appliance Recycling Program	\$ -	\$ -	\$ -
29	Appliances and Devices	\$ -	\$ 1,850,371.47	\$ 2,617,099.41
30	Residential Service – Smart Saver	\$ 6,133,715.68	\$ 5,490,622.77	\$ 5,588,691.49
31	Energy Efficient Lighting	\$ 7,488,339.94	\$ 10,270,639.05	\$ 4,618,160.26
32	Neighborhood Energy Saver	\$ 1,579,230.00	\$ 1,431,193.32	\$ 343,914.32
33	Residential New Construction	\$ 11,285,434.67	\$ 12,942,627.79	\$ 16,174,364.35
34	Residential Energy Efficient Benchmarking	\$ -	\$ -	\$ -
35	Residential Home Advantage	\$ -	\$ -	\$ -
36	Energy Education Program for Schools	\$ 579,088.78	\$ 640,097.22	\$ 332,960.83
37	Multi-Family Energy Efficiency	\$ 2,061,796.67	\$ 1,846,676.22	\$ 765,144.36
38	My Home Energy Report	\$ 6,577,826.06	\$ 5,394,326.86	\$ 6,319,531.14
39	Residential Energy Assessments	\$ 1,584,557.04	\$ 1,810,122.41	\$ 1,852,920.50
40	Save Energy and Water Kit	\$ 706,115.88	\$ -	\$ -
41	Weatherization - Electric	\$ -	\$ 23,426.11	\$ 44,052.45
42	Business Energy Report	\$ -	\$ -	\$ -
43	Energy Efficiency for Business	\$ 11,713,348.28	\$ -	\$ -
44	Energy Efficient Lighting	\$ 909,883.35	\$ 1,244,545.00	\$ 523,412.06
45	Non-Residential Smart Saver Custom	\$ -	\$ 2,377,603.24	\$ 3,014,102.12
46	Non-Residential Smart Saver Prescriptive	\$ -	\$ 6,746,080.63	\$ 6,743,686.79
47	Non-Residential Smart Saver Performance Incentive	\$ 172,455.95	\$ 228,801.53	\$ 331,302.53
48	Small Business Energy Saver	\$ 7,579,163.64	\$ 6,252,789.54	\$ 4,291,850.84
49	EnergyWise Home	\$ 12,650,326.09	\$ 13,105,769.51	\$ 12,279,063.40
50	EnergyWise for Business	\$ 1,824,087.26	\$ 2,091,749.23	\$ 1,637,446.74
51	Commercial, Industrial, & Governmental Demand Response	\$ 1,464,504	\$ 1,487,465	\$ 1,586,674
52	Total Energy Efficiency & Demand Side Program Costs	\$ 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 Listebarger Exhibit 2, which allocates actual costs by month.

Holbrook Exhibit 4
Duke Energy Progress, LLC
January - December 2021 Actuals
January 2022 - December 2023 Estimates
Docket Number E-2, Sub 1294
North Carolina Found Revenues

	Actual/Reported KWH						Estimated KWH		Decision Tree Node
	2016	2017	2018	2019	2020	2021	2022	2023	
Economic Development	40,751,172	217,748,650	43,971,258	53,541,120	54,029,490	54,309,120	-	-	Box 5 - exclude
Lighting									
Residential	21,158	18,164	15,302	872	525	1,055	1,055	1,055	Box 6 - include
Non Residential (Regulated)	328,140	304,084	111,625	10,984	23,372	12,503	12,503	12,503	Box 6 - include
MV to LED Credit - Residential (Regulated)	(460,649)	(456,768)	(2,478)	(1,589)	(543)	(762)	(522)	(522)	Box 6 - include
MV to LED Credit - Non-Residential (Regulated)	(105,415)	(105,982)	(919)	(1,602)	(322)	(2,587)	(1,770)	(1,770)	Box 6 - include
Total KWH	<u>40,534,406</u>	<u>217,508,148</u>	<u>44,094,788</u>	<u>53,549,785</u>	<u>54,052,522</u>	<u>54,319,328</u>	<u>11,266</u>	<u>11,266</u>	
Total KWH Included	<u>(216,766)</u>	<u>(240,502)</u>	<u>123,530</u>	<u>8,665</u>	<u>23,032</u>	<u>10,208</u>	<u>11,266</u>	<u>11,266</u>	
Total KWH Included (net of Free Riders 15%)	<u>(184,251)</u>	<u>(204,427)</u>	<u>105,001</u>	<u>7,365</u>	<u>19,577</u>	<u>8,677</u>	<u>9,576</u>	<u>9,576</u>	
Annualized Found Revenue - Non Residential	\$ 113,553	\$ 106,296	\$ 55,439	\$ 4,880	\$ 12,028	\$ 5,545	\$ 6,008	\$ 5,997	
Annualized Found Revenue - Residential	\$ (279,063)	\$ (297,693)	\$ 8,353	\$ (492)	\$ (13)	\$ 228	\$ 415	\$ 415	
	2016	2017	2018	2019	2020	2021	2022	2023	
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	\$ 5,421	
Vintage 2021 - Non Res						\$ 2,826	\$ 5,545	\$ 5,545	
Vintage 2022 - Non Res							\$ 3,254	\$ 6,008	
Vintage 2023 - Non Res								\$ 3,248	
Net Negative Found Revenues to Zero*	-	-	-	-	-	-	-	-	
Subtotal - Non Res	\$ 68,561	\$ 186,197	\$ 206,825	\$ 187,256	\$ 78,520	\$ 13,792	\$ 19,243	\$ 20,222	
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	\$ 22	
Vintage 2021 - Res						\$ 1	\$ 228	\$ 228	
Vintage 2022 - Res							\$ 225	\$ 415	
Vintage 2023 - Res								\$ 225	
Net Negative Found Revenues to Zero*	150,940	439,836	270,784	185,393	73,606	209	-	-	
Subtotal - Residential	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310	\$ 889	
Total Found Revenues	<u>\$ 68,561</u>	<u>\$ 186,197</u>	<u>\$ 206,825</u>	<u>\$ 187,256</u>	<u>\$ 78,520</u>	<u>\$ 13,792</u>	<u>\$ 19,553</u>	<u>\$ 21,111</u>	

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

Holbrook Exhibit 5

Duke Energy Progress
 System Event Based Demand Response January 1, 2021 - December 31, 2021
 Docket Number E-2, Sub 1294

Date	State	Program Name	Event Trigger	Customers Notified/Switches Dispatched	MW Reduction (at Generator)
1/11/2021	NC and SC	EnergyWise Business	M&V Event	104/176	0.4
1/12/2021	NC and SC	DSDR	DMS Testing	N/A	137.3
1/29/2021	NC and SC	EnergyWise Business	M&V Event	104/176	0.4
2/2/2021	NC and SC	EnergyWise Business	M&V Event	102/174	0.4
2/4/2021	NC and SC	EnergyWise Business	M&V Event	101/172	0.4
3/4/2021	NC and SC	DSDR	DMS Testing	N/A	42.7
3/8/2021	NC and SC	EnergyWise Business	M&V Event	94/159	0.4
3/8/2021	NC and SC	DSDR	DMS Testing	N/A	116.3
4/14/2021	NC and SC	DSDR	DMS Testing	N/A	97.4
4/28/2021	NC and SC	DSDR	Capacity Needs	N/A	81.0
4/29/2021	NC and SC	DSDR	Capacity Needs	N/A	120.1
5/26/2021	NC and SC	EnergyWise Business	M&V Event	3,331/5,663	4.0
5/26/2021	NC and SC	DSDR	DMS Testing	N/A	206.7
5/27/2021	NC and SC	DSDR	Capacity Needs	N/A	111.5
7/1/2021	NC and SC	EnergyWise Home	Capacity Needs	17,728/26,643	
7/28/2021	NC and SC	EnergyWise Business	M&V Event	2,928/4,978	4.0
7/29/2021	NC and SC	DSDR	Capacity Needs	N/A	205.5
7/30/2021	NC and SC	DSDR	Capacity Needs	N/A	82.4
7/30/2021	NC and SC	EnergyWise Business	M&V Event	2,928/4,978	4.0
7/30/2021	NC and SC	DEP DRA	Tariff - Minimum	24 Customers/90 Sites	34.7
8/12/2021	NC and SC	EnergyWise Business	M&V Event	2,895/4,921	4.0
8/24/2021	NC and SC	EnergyWise Business	M&V Event	2,895/4,921	4.0
8/24/2021	NC and SC	DSDR	Capacity Needs	N/A	186.5
8/30/2021	NC and SC	DSDR	Capacity Needs	N/A	169.6
8/31/2021	NC and SC	DSDR	Capacity Needs	N/A	276.9
12/9/2021	NC and SC	DSDR	DMS Testing	N/A	155.1

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

2021 YTD Results	Annual Forecast	Actual at 12/30/2021	Variation
Savings (MWH)	3,573	592	-2,981
Savings (MW)	0.72	0.09	-0.63
Participants		773	
2021 Program Expenses		\$ 601,735	

Weatherization - Electric

2021 YTD Results	Annual Forecast	Actual at 12/30/2021	Variation
Savings (MWH)	0	182	182
Savings (MW)	0.00	0.03	0.03
Participants		1,623	
2021 Program Expenses		\$ 63,140	

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. In 2020 Franklin Energy was awarded the contract through a competitive bid process to administer the Program.

The Program stopped all field work in March 2020 due to the COVID-19 virus pandemic while in an Erwin NC neighborhood with only approximately 40% complete. Since returning to field implementation in late March 2021 work has been in Smithfield NC, Franklinton NC, and Kenly NC under strict COVID protocol. The Program is projected during the first quarter of 2022 to begin implementation in a Goldsboro NC neighborhood and return to complete the Erwin, NC neighborhood previously started.

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

Income-Qualified Programs

program 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

The program has been very successful and widely accepted by the eligible Duke Energy Progress 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 2021 the program has paid \$76,408.55 in rebates; served 376 homes; and rebated 4,409 measures.

Issues

Neighborhood Energy Savers

The program continues to operate with minimal issues. The implementers are constantly striving to install the best quality measures using techniques that will produce energy savings from the measures installed and motivate better energy efficiency customer behavior.

Pay for Performance

The program continues to operate with minimal issues. Because of the limitations of the mostly volunteer workforce and equipment owned, Green Built Alliance has been unable to seek incentive payments for some of the measure rebates available. Otherwise there are no issues of concern.

Potential Changes

No changes are being considered.

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 2022:

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

Income-Qualified Programs

- Community outreach events
- Publicized neighborhood information 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

The combined DEC/DEP NES evaluation was completed in December 2021.

An impact evaluation for the Pay for Performance Pilot consisting of a deemed savings review with engineering estimates is scheduled to begin First Quarter 2022 with an expected completion date of Second Quarter 2022.

Energy Efficiency Education Program

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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.

Similar to 2020, many of the aspects of the Energy Efficiency Education program continued to be impacted by the COVID-19 pandemic in 2021. No in-person school performances were permitted for the entire year. As a result, the program continued to offer 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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	4,347	1,857	-2,490
Savings (MW)	0.52	-0.32	-0.83
Participants		3,719	
Program Expenses		\$396,669	

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

Starting in the spring semester of the 2019-2020 school year, the COVID-19 pandemic brought on unprecedented challenges to the program with schools temporarily closing and reverting to virtual learning. As a result, live performances ceased on March 13, 2020. This continued to be the case in 2021.

The program continued to offer these educational performances via online livestream for all three levels of schooling beginning in the Fall semester. Given the uncertainty around whether or not a school is remote learning or using a hybrid plan, the program offered time slots to schools to view a live host providing educational information and narrating between four different segments of the theatrical performance that would normally be given in schools by professional acting troupes. In addition, for added flexibility, the program offered a video recording of a livestream performance for schools/classrooms that preferred to share the content when it best fit into their lesson plan, at a later date. This livestream/video recording delivery model continues to be used here in early 2022.

Consistent with past years, each performance had content that was appropriate with its educational level. In the Spring, 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". For the Fall 2021 Semester, the aforementioned titles were replaced with "Nikki Neutron's Energy Adventure", "Energy Agents" and "Global Gamble" respectively. Though these titles changed for 2021-2022 school year, the core of the educational content remained the same; as has been the case in previous years. 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 2021, a total of 287 schools participated in the program in the Company's DEP service territory, reaching approximately 63,000 students and spurring the distribution of 3,719 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 rewarded teachers \$50 for every 20 Energy Efficient kit requests. Additionally, various rewards for schools 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.
- 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

Evaluation work is currently underway for the period covering August 2019 – July 2020. The final DEC/DEP evaluation report is scheduled to be completed in the third quarter of 2021. At this point in the evaluation, the evaluator expects to estimate savings reductions via consumption analyses.

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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	12,671	21,636	8,965
Savings (MW)	2.34	3.57	1.23
Participants		1,534,148	
Program Expenses		\$6,212,663	

D. Qualitative Analysis

Highlights

In 2021, the Program incentivized a total of 1,534,148 measures, including 1,275,739 LEDs and 258,409 fixtures. The DEP Energy Efficiency Program had 14 lighting retail channels actively participating in 2021. While the top five retail channels account for 88% 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.

In addition, a key strategy for the program was continuing to increase its presence in Hard-to-Reach stores that have a high propensity of shoppers that would not adopt EE lighting had incentives not been made available to patrons at these locations. These stores include Dollar Tree, Habitat ReStore, Goodwill, Family Dollar and Dollar General. Overall, approximately 66% of program sales came from these types of stores.

The Program continues to operate efficiently with 83% of overall Program costs going directly to customers in the form of incentives. Additionally, a total of 16% 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 2021, effects of the COVID-19 pandemic remain on the program's radar. These included:

- Suspension of in-field store visits (training of store staff, proper placement of POP) during the

first few weeks of 2021 as cases of COVID-19 remained high. This action limited exposure of field team in stores for not only their safety, but that of store patrons and staff. This suspension was lifted in late Q1.

- 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.

In addition, the program received internal approval to move forward expanding its offering to include incentives on non-lighting measures. These measures include Smart Thermostats, Air Purifiers, Dehumidifiers, and Ceiling Fans. To take advantage of the program offers, store patrons will need to validate that they are a Duke Energy customer by accessing the instant rebate portal on their smart phone or personal computer. If eligible, the customer will receive a barcode to be scanned at checkout to receive the instant rebate.

Duke Energy has selected a vendor to administer the program and is in the process of developing a statement of work. Currently, the program projects to launch in Q2 2022.

E. Marketing Strategy

The Program's marketing efforts in 2021 include the following:

- Point of purchase materials at the participating retailer locations
- Duke Energy Progress Program website
- General awareness email and direct mail 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

The DEC/DEP Retail Lighting evaluation is tentatively scheduled to commence in first quarter 2022 with planned completion in the third quarter of 2022. This revised timeframe reflects an extension to allow for increased participation in the hard-to-reach retailer channels.

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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	15,203	6,007	-9,196
Savings (MW)	1.82	0.70	-1.11
Participants		24,350	
Program Expenses		\$2,027,411	

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

From January 1 through December 31, 2021, the program conducted 5028 assessments. The program

additionally installed 5938 feet of pipe insulation and 1471 additional bathroom aerators. The program also installed the following discounted measures, 3418 specialty LED globes, 2407 recessed bulbs, 4963 candelabra LEDs and 361 hand-held showerheads. There were also 464 Smart Thermostats installed and 3 Blower Door tests to eligible customers. The program continues to focus on maximizing measures installed as well as cross promoting other Duke Energy programs and offerings.

The program also continues to focus on cross promotion of other programs and integration of in-field referrals for FindItDuke (FID),

Issues

The program was shut down again on January 1, 2021 through March 23 due to the continuing Covid pandemic issues in 2021. Duke has continued working collaboratively with the vendor to build safety protocols, procedures and use of Personal Protective Equipment (PPE) into the assessment process for the relaunch that occurred on March 23. Also, the program delayed the training and launch of the blower door measure until December 1, 2021, 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
- Evaluating Virtual Audit capabilities to include townhomes/condos/manufactured homes
- 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. Participants surveys will be used to determine in-service rates and determine free ridership at the measure level.

Residential Smart \$aver® Energy Efficiency Program

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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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	4,598	6,809	2,211
Savings (MW)	1.22	1.92	0.71
Participants		21,987	
Program Expenses		\$6,391,307	

D. Qualitative Analysis

Highlights

The Smart \$aver ® incentive program in our Duke Energy Progress territory maintained good results for 2021. Annual participation ended with 21,987 which is just a slight decrease from 2020 numbers of 22,461.

One of the factors affecting this slight decline was the discontinuation of the instant rebate option for heat pump water heaters.

The program team continues to emphasize best practices and to build support by offering additional training to the Trade Allies (i.e. streamlined rebate processing, rebate submission training, selling higher efficiency products) and modifications to program requirements when needed.

Customer engagement continues to be a focus of the Program especially through the "Find It Duke referral platform that positions Duke Energy as a trusted advisor by providing free home improvement referrals through a premier network of qualified contractors who deliver exceptional customer service.

The Find it Duke referral channel has seen a decrease in volume due to COVID-19 concerns during 2020 and continuing into 2021. The program generated 6,992 DEP customer referrals for 2021 as compared to 7,893 in 2020.

Issues

The buy-in and participation of the Trade Ally network is vital to the success of the Program. Trade Allies are important to the Program's success because they interface with the customer during the decision-making event. Customers who responded to a survey to rate their experience provided an average contractor rating of 4.77 out of 5.0 stars for 2021. We continue to build the network in DEP and focus on trade ally recruitment and building market presence.

Residential Smart \$aver® Energy Efficiency Program

E. Marketing Strategy

Promotion of the rebate Program is targeted to 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. Rebate marketing materials remain in place throughout the Carolinas in Lowe's and Home Depot stores that inform customers about the rebates available and how to apply for them post-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 in 2021 leveraged 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 throughout the year create awareness and drive referral volumes for the channel.

F. Evaluation, Measurement and Verification

No evaluation activities were conducted in 2021. 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

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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	162,483	157,205	-5,279
Savings (MW)	56.78	54.86	-1.92
Participants		792,333	
Program Expenses		\$4,152,680	

D. Qualitative Analysis

As of January 1, 2022, over 706 thousand DEP single-family customers and 85 thousand multifamily customers were receiving the MyHER, and over 22 thousand DEP single-family customers and over 2 thousand multifamily customers were enrolled in the MyHER Interactive portal.

Highlights

In 2021, the program launched a new MyHER design for the paper and email reports as well as an updated interactive website with new insights for customers. New website capabilities for customers include single sign on (a more seamless way to sign in to the site using Duke Energy credentials, updated profile experience that updates usage disaggregation real time, current week and month daily comparisons of energy usage compared to similar homes, and the ability for customers to see how their monthly energy usage by category compares to other similar homes.

In Q4 2021, the program also launched the first Seasonal HER experience. This winter seasonal HER sent to customers via paper, email, also had a new web page that highlights for customers their heating usage, how it compares to similar homes, and provides a checklist of tips to complete that would reduce heating usage and heat loss in the home.

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 0.006% of participants chose to opt out in 2021. 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 2021, the program continued on-report marketing campaigns and introduced a new Welcome Letter mailed to all customers with their report to further awareness of the interactive portal.

F. Evaluation, Measurement and Verification

A combined DEC/DEP evaluation, covering the period Jan 2020 – Dec 2020, is currently underway with a planned completion date in the fourth quarter of 2021.

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 energy efficient 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. Property Managers are able to purchase discounted smart thermostats and have them installed along with the lighting and water measures. 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. If a Property Manager purchases the discounted smart thermostats, those will also be installed by Franklin Energy. 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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	15,024	1,420	-13,604
Savings (MW)	1.91	0.17	-1.74
Participants		30,740	
Program Expenses		\$377,479	

D. Qualitative Analysis

Highlights

The Program was suspended through June 2021 due to the pandemic with no program installation completed. The Program was relaunched in July 2021 with installs starting in September 2021.

In early 2021, the Program filed a request to add 1.25 GPM showerheads and discounted smart thermostats to the program. The new measures were approved and were included upon the relaunch of the program in late July 2021.

North Carolina had 17 properties completed, which included 3,130 units (apartments) and 29,703 measures. These measures consisted of 18,081 light bulbs, 2,882 aerators, 2,196 showerheads, and 6,544 pipe wraps.

South Carolina had 4 properties completes, which included 136 units (apartments) and 1,037 measures. The measures consisted of 829 light bulbs, 67 aerators, 48 shower heads, and 93 pipe wraps.

New technology enhancements were 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.

Issues

Due to the Covid pandemic and safety concerns for customers and employees, the program was suspended in March 2020 impacting the ability to achieve the program goals. While the program relaunched in July 2021, Covid still caused challenges in scheduling installs and maintaining those installs, due to an increased risk of cancellations.

Resource constraints, led by a shortage of labor, has caused for a slower restart than desired. There was improvement in North Carolina, but South Carolina still had no install teams as of December 2021.

Even though discounted smart thermostats were added to the program upon its restart in July 2021, there were no properties that opted to have the discounted smart thermostats installed.

Potential Changes

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. All marketing materials were updated to include the new measures, the 1.25 GPM showerheads and discounted smart thermostats.

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 for the Multifamily program is currently underway and will include an impact and process evaluation. As part of the impact evaluation, virtual site verifications will be

conducted to measure installations and collect data for use in an engineering analysis. The evaluation is projected to be completed in mid-2022.

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?

The Multifamily Energy Efficiency Program is available to eligible customers of Duke Energy Carolinas, Duke Energy Progress, Duke Energy Kentucky and Duke Energy Indiana. 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 dukeenergymultifamilyep@franklinenergy.com.

How much does it cost?

Products are offered at no cost with the exception of smart thermostats, which are available for installation at a discounted price. This program is part of many programs Duke Energy offers its customers from kinds 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 precautions are you taking for COVID-19?

We will take precautions for the safety of our customers and workers including: asking about the health of the home's occupants prior to appointments, wearing protective equipment, practicing social distancing on-site and limiting in-home contact as much as possible. We will ask property staff to do the same during the install process.

What is the next step?

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

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

©2021 Duke Energy Corporation



Contact us today!

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

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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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 residents save money.



BUILDING A SMARTER ENERGY FUTURE™

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



Multifamily Energy Efficiency Program

If you are a Duke Energy customer, your residents may receive energy-saving products – installed in each multifamily residence and qualifying common areas at no cost. Optional smart thermostats are available

for installation at a discounted price. The Multifamily Energy Efficiency Program is available to customers of all Duke Energy utilities.

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

Standard, Globe, Candelabra, Recessed and Track LEDs



ENERGY STAR® light-emitting diodes, or 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, LEDs can be installed in bathrooms, track lights, ceiling fans, recessed lights and other high-usage permanent fixtures. A19 models are not available for common areas, and T8 LEDs are available for common areas only.

Exit Sign LEDs



Exit signs are necessary to keep your residents safe. Save on operating and labor costs by replacing incandescent exit sign bulbs with LEDs.



Google Nest



The optional **Google Nest Thermostat** can help you save an average of 10% to 12% on heating costs and 15% on cooling costs.²

Bathroom and Kitchen Faucet Aerators



These 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.¹

Outer ring allows for adjustable flow



1 If water is heated by electricity, savings are not guaranteed.
2 Independent studies conducted in the U.S. showed that Nest thermostats saved people an average of 10% to 12% on heating and 15% on cooling. Individual savings are not guaranteed. Learn more at nest.com/real-savings.

Water-saving Showerheads



These 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.¹

Outer ring allows for adjustable flow



Hot Water Pipe Wrap



Pipe wrap insulation reduces water and energy use by preventing heat loss while hot water travels through your building's pipes.¹

Google, Google Nest and Google Nest Thermostat are trademarks of Google LLC.
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

	
<h2 style="background-color: #4CAF50; color: white; padding: 10px; text-align: center;">Sorry We Missed You!</h2>	<h2 style="background-color: #4CAF50; color: white; padding: 10px; text-align: center;">Sorry We Missed You!</h2>
<p>Today we stopped by to install your free energy-saving products, but</p> <hr/> <hr/> 	<p>Today we stopped by to install your free energy-saving products, but</p> <hr/> <hr/> 
<p style="background-color: #00AEEF; color: white; padding: 5px;">Don't worry – you can still get your products! Simply contact your property manager to find out how.</p>	<p style="background-color: #00AEEF; color: white; padding: 5px;">Don't worry – you can still get your products! Simply contact your property manager to find out how.</p>
<p><small>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. The Multifamily Energy Efficiency Program is available to eligible customers of Duke Energy Carolinas, Duke Energy Progress, Duke Energy Kentucky and Duke Energy Indiana.</small></p> <p><small>Google, Google Nest and Google Nest Thermostat are trademarks of Google LLC. ©2021 Duke Energy Corporation</small></p>	<p><small>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. The Multifamily Energy Efficiency Program is available to eligible customers of Duke Energy Carolinas, Duke Energy Progress, Duke Energy Kentucky and Duke Energy Indiana.</small></p> <p><small>Google, Google Nest and Google Nest Thermostat are trademarks of Google LLC. ©2021 Duke Energy Corporation</small></p>

Window Cling



We are now energy efficient thanks to Duke Energy!



This property participated in Duke Energy's Multifamily Energy Efficiency program and now has energy-efficient products that benefit you.

©2021 Duke Energy Corporation
The Multifamily Energy Efficiency Program is available to eligible customers of Duke Energy Carolinas, Duke Energy Progress, Duke Energy Kentucky and Duke Energy Indiana.






Tenant Notice

You're Invited!

Save money on your energy bill with free products from Duke Energy.

Dear Resident:

Congratulations! Your property manager has enrolled your building in the **Multifamily Energy Efficiency Program**. Based on an assessment of your home, a selection of these complimentary products may be installed to help reduce your monthly energy usage:

	Standard, globe, candelabra, recessed and track LED lightbulbs to replace your outdated incandescent lightbulbs. <i>(Track lighting can get very hot; please make sure your track lights are turned off before our installers arrive.)</i>	Help Us Help You! In preparation for your installations, please make sure to: <ul style="list-style-type: none"> • Safely contain your pet(s) during our visit • Provide access to your water heater, shower(s), sinks and light fixtures • Put away your valuables • Have an adult present during installation • Keep a safe distance while installers are working in your home
	Water-saving showerheads to replace your existing fixtures.	
	High-efficiency faucet aerators for your kitchen and bathroom sinks.	
	Hot water pipe wrap to reduce heat loss.	
	Google Nest Thermostat to help you save an average of 10% to 12% on heating costs and 15% on cooling costs ¹	

Trained technicians will perform the **free** installations in each residence on the date and time indicated below. The technicians will be accompanied by a member of the maintenance or management staff, who will provide access to your residence if you are not home at the time of installation. Additionally, the technicians will be in uniform with proper photo identification. We will take precautions for the safety of our customers and workers including: asking about the health of the home's occupants prior to appointments, wearing protective equipment, practicing social distancing on-site and limiting in-home contact as much as possible.

Technicians will be in your building:

XXXXXXX, XXXXXXX, XXXXXX

After the installations are completed, you will receive documentation and other educational materials about the energy-saving products that were installed free of charge in your home. Included in these materials is a customer satisfaction survey that we would appreciate your completing.

The Multifamily Energy Efficiency Program is available to eligible customers of Duke Energy Carolinas, Duke Energy Progress, Duke Energy Kentucky and Duke Energy Indiana. For additional information about this offering, or other offerings from Duke Energy, contact the Multifamily Energy Efficiency Program at **888.297.1671**, email dukeenergymultifamilyeep@franklinenergy.com or visit duke-energy.com/multifamily.

Thank you!
Multifamily Energy Efficiency Team

¹Independent studies conducted in the U.S. showed that Nest thermostats saved people an average of 10% to 12% on heating and 15% on cooling. Individual savings are not guaranteed. Learn more at nest.com/real-savings.

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BUILDING A SMARTER ENERGY FUTURE[®]

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®



EnergyWise Home Program

OFFICIAL COPY

JUN 14 2022

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 (System-wide)

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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	N/A	N/A	N/A
Savings (MW)	513.35	451.19	-62.16
Participants (294,045 Devices)		451.19	
2021 Program Expenses		\$10,254,489	

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. Itron (Comverge), which specializes in integrated demand response solutions, was awarded the contract for the load management system software and switch technology, and Franklin Energy (GoodCents) was awarded the contract for enrollment, field implementation, and call center support. In 2019 EnergyHub was awarded the contract for the smart thermostat option (BYOT).

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. Winter-focused control required smart thermostat heat validation by smart thermostat vendors and will be available for control in January of 2022.

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 (temporarily suspended)
- 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

The EnergyWise Home Winter 2020/2021 evaluation uncovered reduced load impacts. A formal post-analysis by the Program Office identified two major issues- 1) field installation issues (high percent of disconnected switches) and 2) paging transmitters were offline due to (weather and COVID related issues). EnergyWise Home's Summer 2021 "mini" evaluation is in final draft and will be included in the formal 2022 Summer evaluation. Winter 2021-2022 evaluation started December 1, 2021.

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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	17,703	19,719	2,015
Savings (MW)	5.12	4.85	-0.27
Participants		16,663,100	
Program Expenses		\$18,415,617	

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. In 2021, A total of nine courses were completed and had CEU certificates awarded. The Program has provided on-site instruction to over 400 builders and trade allies.

Currently there are 494 builders and 25 approved raters registered in the Program. Thru June 2021 the Program invoiced homes for 234 builders from 18 raters. ICF is responsible for the operational oversight of Home Energy Raters and builders or developers participating in the Program. Due to COVID trainings have slowed and for 2021 the Program was able to complete two rater trainings, one whole-home training, and performed three one-on-one builder walk thru on rough inspections. Over 300 rough-inspections and over 50 final inspections were completed by the Program team with data

provided to the homebuilder and rater on ways to improve performance.

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.

E. Marketing Strategy

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

- Duke Energy Progress website

- Community outreach events/HBA Parade of Homes
- NCHBA events
- Local HBA events/webinars
- 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

The evaluation for RNC is currently underway with a final report expected in the fourth quarter of 2021. The evaluator will conduct an engineering-based analysis to estimate the energy and demand impacts achieved by the program via developing energy simulation models, calibrating simulated models using AMI billing data and weather. Prescriptive measures will be evaluated through the use of appropriate technical resource manuals.

Net-to-gross will be determined by surveys conducted with participating builders, non-participating builders, and HERS Raters.

A. Description

The purpose of the Duke Energy Progress (“Company”) 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.

In 2020 a program modification was approved by the NC & SC utility commissions for SmartPath under the Small Business Energy Saver Program. SmartPath is meant to build upon the traditional Small Business Energy Saver Program by minimizing financial barriers to customer participation by allowing customers to finance and implement energy efficiency upgrades at little to no upfront costs to the customer. SmartPath is open to any opted in non-residential Duke Energy customer and is not implemented by one Vendor. The program is implemented by a qualified Trade Ally network who develop proposals and implement the projects on the program’s behalf.

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.

The SmatPath modification to the Program is available to all existing non-residential customers that are not opted-out of the Company’s Energy Efficiency Rider. SmartPath is not limited by the 180 kW rule that applies to Small Business Energy Saver.

B & C. Impacts, Participants and Expenses

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	36,564	23,307	-13,257
Savings (MW)	6.70	3.87	-2.83
Participants		21,618,860	
Program Expenses		\$5,575,553	

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. Some of these difficulties continued into 2021. The Program was restricted from field activities during January due to the increasing COVID-19 cases. As a result of the restrictions in 2020 and January of 2021 the Program finished the first quarter of the year behind in sales and project completions.

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, we are starting to see customers willing to move forward with projects. The Program finished the second quarter very close to the quarterly budget.

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. With the impacts of COVID, the Program experienced a decline in refrigeration and HVAC measures. Lime Energy kicked off the year with additional training of their sales staff to promote and sale not only the refrigeration and HVAC measures but also the new process measures added.

Potential Changes

SmartPath was approved in late 2020 but did not officially launch until the beginning of Q2 in 2021. Since the launch the program has been well received with over 15 Trade Allies enrolled to offer the program to Duke Energy customers. We have 6 projects enrolled in the program and in various stages in the process. We anticipate tripling that number by the end of 2021 and starting 2022 with a healthy pipeline of projects.

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 a completed report in the third quarter of 2021. The EM&V summary was presented at the July 2021 DEC/DEP Collaborative. The evaluation covered the period from January 2019 through June 2020 and consisted of virtual verification of measure installations and estimated energy and peak demand savings (both summer and winter) via engineering

analysis. The evaluation also assessed the NTG ratio through the use of online customer surveys. In addition, the process evaluation assessed the strengths and weaknesses of current program processes and customer perceptions of the program.

Non-Residential Smart \$aver Program

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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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	96,101.65	59,444	-36,658
Savings (MW)	15.69	10.12	-5.57
Participants		3,566,720	
Program Expenses		\$12,134,278	

Custom Measures Only

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	20,451	11,689	-8,763
Savings (MW)	2.85	2.86	0.01
Participants		25,977	
Program Expenses		\$3,754,070	

Prescriptive Measures

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	75,651	47,755	-27,895
Savings (MW)	12.84	7.26	-5.58
Participants		3,540,743	
Program Expenses		\$8,380,208	

Non-Residential Smart \$aver Program

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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 2021 program trends are listed below.

- Customers continue to show interest in energy efficiency; however, the program is still in the midst of a significant decline due to the negative effects of the COVID-19 pandemic on businesses.
- Customers continue to utilize the midstream marketing channel by taking advantage of instant incentives through participating equipment distributors; however, product shortages due to the pandemic have caused energy efficiency project delays.
- Outreach continue to support Trade Allies working with the program, with a mix of virtual and phone outreach to Trade Allies, as well as in-person meetings when safe
- 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 2021

Non-Residential Smart \$aver Program

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participating customers by Program channel:

Prescriptive Program Option	Participating Customers*	% 2021 YTD Repeat Customer
Paper and Online Application Form	330	62%
Midstream Marketing Channel	1,141	52%
Online Energy Savings Store	602	52%
Multifamily Free Channel**	7	29%

*May include multiple facilities/sites for one customer.

**The Multifamily Free Channel was suspended for the majority of 2021 due to COVID-19

In 2021, 568 applications, consisting of 2,027 measures, were paid for Duke Energy Progress prescriptive measures. The average payment paid per application was \$4,462. 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.

The Duke Energy Business Savings Store on the Duke Energy website uses a third-party vendor 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 remained suspended along with the Residential Multifamily Direct Install program for the majority of 2021 due to COVID-19.

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

Non-Residential Smart \$aver Program

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 the first half of 2021, the Smart \$aver Performance Incentives program received 3 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. Since January 1, 2020, 76 have enrolled in the DEP - NCEEDA offering.

Issues

Although program participation experienced a decline in 2020, it is recovering with 38 Custom applications in the first half of 2021. Very few program activities require face-to-face contact, so the Smart \$aver® team is 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. Also, the Duke program team would like to drive deeper customer savings and increase participation in technologies beyond lighting.

E. Marketing Strategy

The marketing plan for 2021 included 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,

Non-Residential Smart \$aver Program

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

A combined DEC/DEP Prescriptive evaluation is currently underway. The evaluation will consist of an impact evaluation and a limited process evaluation. Impacts will be determined from a mix of activities, including deemed savings, engineering desk reviews, participant surveys to refine input parameters, and onsite visits with a sample of main channel and midstream channel participants. NTG will be established through surveys with participants and trade allies.

The evaluation is scheduled to be completed in the third quarter of 2022.

Non-Residential Smart \$aver Custom Program

DEC Non-Residential Custom evaluation activities, combined with DEP, are currently underway with a final report planned for Fourth Quarter 2021.

Non-Residential Smart \$aver Program

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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.

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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.

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Non-Residential Smart \$aver Program

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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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	96,101.65	59,444	-36,658
Savings (MW)	15.69	10.12	-5.57
Participants		3,566,720	
Program Expenses		\$12,134,278	

Custom Measures Only

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Participants		3,540,743	
Program Expenses		\$8,380,208	

Non-Residential Smart \$aver Program

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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:

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- TA quarterly newsletter
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- TA discussion group (20 trade allies that give input on the Program)
- TA training
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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 2021 program trends are listed below.

- Customers continue to show interest in energy efficiency; however, the program is still in the midst of a significant decline due to the negative effects of the COVID-19 pandemic on businesses.
- Customers continue to utilize the midstream marketing channel by taking advantage of instant incentives through participating equipment distributors; however, product shortages due to the pandemic have caused energy efficiency project delays.
- Outreach continue to support Trade Allies working with the program, with a mix of virtual and phone outreach to Trade Allies, as well as in-person meetings when safe
- 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 2021 participating customers by Program channel:

Non-Residential Smart \$aver Program

Prescriptive Program Option	Participating Customers*	% 2021 YTD Repeat Customer
Paper and Online Application Form	330	62%
Midstream Marketing Channel	1,141	52%
Online Energy Savings Store	602	52%
Multifamily Free Channel**	7	29%

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**The Multifamily Free Channel was suspended for the majority of 2021 due to COVID-19

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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.

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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.

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Non-Residential Smart \$aver Program

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 the first half of 2021, the Smart \$aver Performance Incentives program received 3 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. Since January 1, 2020, 76 have enrolled in the DEP - NCEEDA offering.

Issues

Although program participation experienced a decline in 2020, it is recovering with 38 Custom applications in the first half of 2021. Very few program activities require face-to-face contact, so the Smart \$aver® team is 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. Also, the Duke program team would like to drive deeper customer savings and increase participation in technologies beyond lighting.

E. Marketing Strategy

The marketing plan for 2021 included 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

Non-Residential Smart \$aver Program

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

A combined DEC/DEP Prescriptive evaluation is currently underway. The evaluation will consist of an impact evaluation and a limited process evaluation. Impacts will be determined from a mix of activities, including deemed savings, engineering desk reviews, participant surveys to refine input parameters, and onsite visits with a sample of main channel and midstream channel participants. NTG will be established through surveys with participants and trade allies.

The evaluation is scheduled to be completed in the third quarter of 2022.

Non-Residential Smart \$aver Custom Program

DEC Non-Residential Custom evaluation activities, combined with DEP, are currently underway with a final report planned for Fourth Quarter 2021.

Non-Residential Smart \$aver® Performance Incentive

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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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	4,008	892	-3,116
Savings (MW)	0.46	0.12	-0.33
Participants		38	
Program Expenses		\$225,582	

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 are planned for 2021. Future evaluation timing will depend upon sufficient participation.

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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	162,483	157,205	-5,279
Savings (MW)	56.78	54.86	-1.92
Participants		792,333	
Program Expenses		\$4,152,680	

D. Qualitative Analysis

As of January 1, 2022, over 706 thousand DEP single-family customers and 85 thousand multifamily customers were receiving the MyHER, and over 22 thousand DEP single-family customers and over 2 thousand multifamily customers were enrolled in the MyHER Interactive portal.

Highlights

In 2021, the program launched a new MyHER design for the paper and email reports as well as an updated interactive website with new insights for customers. New website capabilities for customers include single sign on (a more seamless way to sign in to the site using Duke Energy credentials, updated profile experience that updates usage disaggregation real time, current week and month daily comparisons of energy usage compared to similar homes, and the ability for customers to see how their monthly energy usage by category compares to other similar homes.

In Q4 2021, the program also launched the first Seasonal HER experience. This winter seasonal HER sent to customers via paper, email, also had a new web page that highlights for customers their heating usage, how it compares to similar homes, and provides a checklist of tips to complete that would reduce heating usage and heat loss in the home.

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 0.006% of participants chose to opt out in 2021. 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 2021, the program continued on-report marketing campaigns and introduced a new Welcome Letter mailed to all customers with their report to further awareness of the interactive portal.

F. Evaluation, Measurement and Verification

A combined DEC/DEP evaluation, covering the period Jan 2020 – Dec 2020, is currently underway with a planned completion date in the fourth quarter of 2021.

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 Store launched in July 2019 and offers a variety of Light Emitting Diodes lamps (“LEDs”), smart thermostats, smart strips, water fixtures, and small appliances. 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.

The Store is managed by a third-party vendor, Uplight, Inc.(Uplight). Uplight is responsible for maintaining the Store website, fulfilling all customer purchases, supporting the program call center, and recommending products. The store’s landing page provides information about the store, product offerings, highlights promotions, account information and order history. Support features include a toll-free number, email, chat, package tracking and frequently asked questions.

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 in the check-out process..

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, the program

Energy Efficient Appliances and Devices

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.

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

2021 YTD Results	Annual Forecast	Actual at 12/31/2021	Variation
Savings (MWH)	25,670	11,590	-14,080
Savings (MW)	2.20	2.11	-0.10
Participants		186,633	
Program Expenses		\$1,336,074	

D. Qualitative Analysis

Online Savings Store

Highlights

The Online Savings Store 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 the last half of 2021, the program completed a vendor transition for the ecommerce platform to enhance the customer shopping and check-out experience. The new Online Savings Store launched at the beginning of December. During 2021, the program delivered 39,591 bulbs; 7,038 smart thermostats; 407 smart strips; 170 water products, 262 LED fixtures, 78 air purifiers and 63 dehumidifier) 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

Highlights

During 2021, the Program distributed over 139,024 water measures in over 14,500kits to Duke Energy Progress customers in the Carolinas. These kits delivered 29,214 bath aerators, 14,607 kitchen aerators, 22,168 showerheads, and 73,035 feet of pipe insulation. The program upgraded the standard showerhead in the kit to a wider showerhead in effort to increase installation rates. Upgraded showerheads to the wand accounted for 8% of all showerheads shipped in 2021.

Issues

The program continues to review customer satisfaction surveys to identify opportunities for improvement with installation rates and overall customer satisfaction

Energy Efficient Appliances and Devices

Potential Changes

The program transitioned to a new vendor in Q4 of 2021, AM Conservation. The program will utilize BRC's and offering an online platform for customers to request and upgrade the kit showerheads. AM Conservation will provide a new fresh look and improved customer journey which will increase customer participation, installation, and satisfaction.

E. Marketing Strategy

Online Savings Store

The marketing efforts for the store can include the following:

- bill messages
- bill inserts
- 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.

F. Evaluation, Measurement and Verification

The evaluation for the DEC/DEP Online Saving/Marketplace Program is currently underway with a completion date planned for the fourth quarter of 2021.

Save Energy & Water

The next evaluation for a combined DEC/DEP evaluation is scheduled to begin activities in mid-2021, with a final report scheduled for mid-2022. As part of this evaluation, the evaluator will also survey non-participants to better understand their decisions to not participate in the program.

Duke Energy Progress
 Estimate - January 1, 2023 - December 31, 2023
 Docket Number E-2, Sub 1294
 Projected Program/Portfolio Cost Effectiveness - Vintage 2023

Program	UCT	TRC	RIM	PCT
Residential Programs				
• Energy Education Program for Schools	1.18	1.18	0.41	10.62
• Energy Efficient Appliances & Devices	2.78	2.34	0.75	5.87
• Residential Smart Saver	1.37	0.66	0.58	1.41
• Neighborhood Energy Saver	1.08	1.08	0.61	2.56
• Weatherization Pilot	0.00	0.00	0.00	
• Residential New Construction	1.81	2.05	0.76	3.78
• Energy Efficient Lighting	1.42	2.19	0.42	8.82
• Multi-Family EE Products & Services	2.80	2.87	0.56	10.64
• My Home Energy Report	2.69	2.69	0.77	
• EnergyWise Home	1.96	2.96	1.96	
• Residential Energy Assessments	2.26	2.19	0.57	33.81
Residential Total	1.91	1.92	0.68	5.39
Non-Residential Programs				
• EnergyWise for Business	1.19	1.89	1.16	67.03
• Smart Saver(R) Non Residential Performance Incentive Program	4.19	1.42	1.24	1.84
• Smart Saver® Non Residential Prescriptive	2.22	1.35	0.59	3.73
• Smart Saver® Non-Residential - Custom	2.98	1.39	1.15	2.02
• Small Business Energy Saver	1.95	1.17	0.71	2.67
• Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EEB)	3.99	67.34	3.99	
Non-Residential Total	2.41	1.49	0.81	3.08
Overall Portfolio Total	2.10	1.71	0.73	4.07

Duke Energy Progress
Changes to DSM/EE Cost Recovery Vintage 2021 True Up January 1, 2021 - December 31, 2021
Changes from Prior Filing Due to Application of M&V and Participation
System kWh and kW Impacts Net Free Riders at the Plant
Docket E-2, Sub 1294

Residential Programs

Program Name	Filed in Docket E-2, Sub 1252		Filed in Docket E-2, Sub 1294		Overall Variance		E-2 Sub 1252		E-2 Sub 1294		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	System Participation		Participation			kWh	kW	kWh	kW	kWh	kW	kWh	kW
Weatherization Pilot	-	-	208,430	39	208,430	39	-	1,926	-	1,926	1,926	-	-	208,430	39	-	-	208,430	39
Energy Efficiency Education Program	4,347,246	519	1,857,439	(316)	(2,489,807)	(835)	13,089	3,719	(9,370)	(9,370)	(9,370)	(3,112,028)	(371)	-	-	622,221	(463)	(2,489,807)	(835)
Energy Efficient Lighting	10,029,458	1,653	19,297,091	3,181	9,267,633	1,528	634,733	1,368,306	733,573	733,573	9,267,633	1,528	-	-	-	-	9,267,633	1,528	
Residential Smart Saver*	4,598,197	1,216	6,809,114	1,922	2,210,917	706	14,974	21,987	7,013	7,013	2,210,914	706	-	-	3	(0)	2,210,917	706	
Multi-Family Energy Efficiency Program	15,024,097	1,908	1,474,721	187	(13,549,376)	(1,721)	327,072	30,740	(296,332)	(296,332)	(13,552,134)	(1,729)	88	0	2,669	8	(13,549,376)	(1,721)	
Neighborhood Energy Saver	3,572,708	721	592,133	94	(2,980,575)	(626)	4,944	773	(4,171)	(4,171)	(2,980,575)	(626)	-	-	-	-	(2,980,575)	(626)	
Residential Energy Assessments	15,202,956	1,817	6,006,904	703	(9,196,052)	(1,114)	84,064	24,350	(59,714)	(59,714)	(9,196,052)	(1,114)	-	-	-	-	(9,196,052)	(1,114)	
Residential New Construction	17,703,423	5,134	19,718,837	4,854	2,015,414	(270)	13,479,342	16,663,100	3,183,758	3,183,758	2,013,023	(270)	2,390	0	-	-	2,015,414	(270)	
Energy Efficient Appliances and Devices	25,669,938	2,204	11,590,763	2,107	(14,079,175)	(96)	329,232	186,635	(142,597)	(142,597)	(17,686,982)	(1,516)	5,150,744	1,549	(1,542,938)	(129)	(14,079,175)	(96)	
Residential Home Advantage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
My Home Energy Report	162,483,097	56,782	186,446,714	35,870	23,963,618	(20,912)	780,250	792,333	12,083	12,083	1,727,903	545	-	-	22,235,714	(21,457)	23,963,618	(20,912)	
Power Manager	-	68,217	-	28,705	-	(39,513)	55,683	30,512	(25,171)	(25,171)	-	(32,889)	-	-	-	(6,623)	-	(39,513)	
Residential Programs Total	258,631,119	140,160	254,002,144	77,345	(4,628,976)	(62,814)	15,723,383	19,124,382	3,400,999	3,400,999	(31,308,297)	(35,738)	5,361,652	1,588	21,317,669	(28,664)	(4,628,976)	(62,814)	

Non-Residential Programs

Program Name	Filed in Docket E-2, Sub 1252		Filed in Docket E-2, Sub 1294		Overall Variance		E-2 Sub 1252		E-2 Sub 1294		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	System Participation		Participation			kWh	kW	kWh	kW	kWh	kW	kWh	kW
Energy Efficient Lighting NR	2,641,574	685	5,087,824	1,319	2,446,250	634	76,914	165,842	88,928	88,928	2,446,250	634	-	-	-	-	2,446,250	634	
Smart Saver* Non-Residential - Custom	20,451,120	2,852	11,947,765	2,939	(8,503,355)	86	16,485	25,978	9,493	9,493	(8,503,355)	86	-	-	-	-	(8,503,355)	86	
Smart Saver* Non-Residential Prescriptive	75,650,527	12,836	47,511,983	7,182	(28,138,544)	(5,654)	4,874,532	3,554,287	(1,320,246)	(1,320,246)	(22,771,414)	(4,675)	(1,716,814)	(442)	(3,650,315)	(537)	(28,138,544)	(5,654)	
Smart Saver(R) Non-Residential Performance Incent	4,007,622	457	891,850	124	(3,115,772)	(334)	4,826,774	38	(4,826,736)	(4,826,736)	(3,115,772)	(334)	-	-	-	-	(3,115,772)	(334)	
Small Business Energy Saver	36,563,955	6,702	23,461,416	3,911	(13,102,539)	(2,792)	34,000,000	21,782,561	(12,217,439)	(12,217,439)	(14,175,292)	(2,629)	527,398	119	545,355	(282)	(13,102,539)	(2,792)	
EnergyWise for Business	54,635	9,292	54,238	4,406	(397)	(4,885)	11,709	4,706	(7,003)	(7,003)	(52,327)	(4,673)	-	-	51,930	(213)	(397)	(4,886)	
Commercial, Industrial, Governmental Energy Efficiency	-	3,153	-	7,970	-	4,817	3,000	7,583	4,583	4,583	-	10,895	-	-	-	(6,078)	-	4,817	
Non-Residential Programs Total	139,369,433	35,977	88,955,076	27,850	(50,414,357)	(8,128)	43,809,414	25,540,994	(18,268,420)	(18,268,420)	(34,552,783)	(448)	(12,808,543)	(570)	(3,053,031)	(7,110)	(50,414,357)	(8,128)	

Distribution System Demand Response

DSDR	48,111,106	296,976	36,438,277	274,893	(11,672,829)	(22,083)	-	-	-	-	N/A	N/A	-	-	-	-	N/A	N/A
Total Residential and Non-Residential Programs	446,111,659	473,113	379,395,497	380,088	(66,716,162)	(93,025)	59,532,797	44,665,376	(14,867,422)	(14,867,422)	(65,861,080)	(36,186)	(7,446,891)	1,017	18,264,639	(35,774)	(55,043,333)	(70,942)

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

Program Name As Filed	Docket	Report Reference	Effective Date
EnergyWise Home	E-2 Sub 927	EM&V Report for the EnergyWise Home Demand Response Program Winter 2020/2021	4/1/2021
Small Business Energy Saver	E-2 Sub 1022	EM&V Report for the Duke Energy Small Business Energy Saver Program 2019-2020	7/1/2020
Energy Efficient Appliances & Devices	E-2 Sub 1065	Duke Energy Carolinas & Duke Energy Progress Online Savings Store Program 2021 Evaluation Report - Final	Varies by Measure
Energy Efficiency Education	E-2 Sub 1060	K12 Education Program 2019-2020 Evaluation Report	8/1/2020
My Home Energy Report	E-2 Sub 989	My Home Energy Report Program Evaluation	Multifamily Base/Online 11/1/2016; Single Family Base/Online 2/1/21
Commercial, Industrial, and Governmental Demand	E-2 Sub 953	EM&V Report for Duke Energy Progress Commercial, Industrial, and Governmental Demand Response Automation Program 2020/2021	11/1/2021
Multifamily Energy Efficiency Program	E-2 Sub 1059	EM&V Report for the Duke Energy Multifamily Energy Efficiency Program	7/1/2021

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Duke Energy Progress, LLC
List of Industrial and Commercial Customers Opted Out as of December 31, 2021
Docket E-2, Sub 1294

	Number of Accounts		
DSM RIDER OPT OUT		4,226	
EE RIDER OPT OUT		4,132	
Customer Bill Name	DSM (JAN 1 - DEC 31) RIDER OPT OUT	EE (JAN 1 - DEC 31) RIDER OPT OUT	GRAND TOTAL
101 NORTH THIRD STREET LLC	1	1	2
1922 SKIBO CROSS CREEK LLC	1	1	2
3141 PROPERTIES LLC	1		1
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	2	2	4
A&M 2610 WYCLIFF OWNER, LLC	1	1	2
ACCUCHROME TOOL & MOLD INC	1	1	2
ACME-MCCRARY CORP	1	1	2
ADVANCED PLASTIC EXTRUSION LLC	1	1	2
ADVANCED PLASTIFORM INC	5	5	10
AG PROVISION LLC	3	3	6
AIR SYSTEM COMPONENTS INC	1	1	2
AJINOMOTO USA INC	3	3	6
ALCAMI CAROLINAS CORPORATION	4	4	8
ALIDADE GLENWOOD LLC	1	1	2
ALL TRUSS LLC	1	1	2
ALLEN EARP	1	1	2
ALLEN HARIM FOODS LLC	1	1	2
AMCOR FLEXIBLES INC	1	1	2
AMCOR RIGID PLASTICS USA LLC	1	1	2
AMERICAN AIRLINES INC	1	1	2
AMERICAN GROWLER INC	1	1	2
AMERICAN HEALTHCARE SYSTEM LLC	16	16	32
AMERICAN MULTI-CINEMA INC	2	1	3
AMERICAN SKIN COMPANY INC	1	1	2
AMERICAN TEL & TEL CO	1	1	2
AMERICAN WOOD FIBERS INC		1	1
AMERICHEM INC	2	2	4
AMERIQUEAL ASEPTIC, LLC	2	2	4
AMERISOURCEBERGEN DRUG CORPORA		1	1
AMOR FURNITURE AND BEDDING LLC	1	1	2
ANGUS BARN LTD	6	6	12
ANSON COUNTY WATER DEPT	3	3	6
ANSON COUNTY WTR SYSTEM	2	2	4
ANSON MACHINE WORKS	3	3	6
ANSON WOOD PRODUCTS INC	2	2	4
APAC TENNESSEE INC	4	4	8
APEX OIL CO INC/TERMINALS DIVI	3	3	6
APEX TOOL GROUP LLC	2	2	4
ARAUCO NORTH AMERICA INC	7	7	14
ARCADIA FARMS LLC	2	2	4
ARCHER DANIELS MIDLAND CO	1	1	2

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ARCLIN USA INC	2	2	4
ARDAGH GLASS INC	2	2	4
ARDEN CORPORATION	4	4	8
Armtec Countermeasures Co.	1	1	2
ASHEBORO CITY OF	4	4	8
ASHEBORO CITY SCHOOLS	11	10	21
ASHEBORO ELASTICS CORP	2	2	4
ASHEBORO MACHINE SHOP	1	1	2
ASHEVILLE BUNCOMBE TECH	18	18	36
ASHEVILLE CITY OF	8	7	15
ASHEVILLE WASTE PAPER CO INC	5	5	10
ASTON PARK HEALTH CARE CENTER	1	1	2
AT HOME STORES LLC	2	2	4
AT&T SERVICES INC	3	3	6
ATEX TECHNOLOGIES INC	2	2	4
ATLANTIC CORP OF WILM INC	6	4	10
ATLANTIC VENEER CORP	1	1	2
ATLAS PRECISION INC	1	1	2
AUSTIN QUALITY FOODS INC	3	3	6
AUX KITCHEN LLC	1	1	2
AVL TECHNOLOGIES INC	6	6	12
AVL TECHNOLOGY PARK LLC	2	2	4
B V HEDRICK GRAVEL & SAND CO	8	8	16
BAILEY FARMS INC	1	1	2
BALCRANK CORPORATION	1	1	2
BALLY REFRIGERATED BOXES INC	2	2	4
BARHAM FARMS INC	1	1	2
BARNES FARMING CORPORATION	1	1	2
BARNHARDT MFG CO	1	1	2
BARTLETT MILLING CO	1	1	2
BASF AGR SOLUTIONS SEED US LLC	2	2	4
BASS FARMS INC	1	1	2
Bast Fibre Technologies USA Inc.	3	3	6
BE&K BUILDING GROUP INC	1	1	2
BEACON INDUSTRIAL LLC	1	1	2
BEAR CREEK ARSENAL INC	3	3	6
BEAUFORT CO BD OF ED	3	3	6
BELK INC	6	5	11
BELLSOUTH TELECOMMUNICATIONS	14	13	27
BELT CONCEPTS OF AMERICA	1	1	2
BILTMORE BAPTIST CHURCH	1	1	2
BILTMORE FARMS HOTEL GRP LLC	2	2	4
BILTMORE FOREST CNTRY CLUB INC	3	3	6
BITE MY COOKIES BREWING CO INC	1		1
BJ'S WHOLESALE CLUB INC	8	8	16
BLACK CREEK RENEWABL ENERG LLC	1	1	2
BLACK MTN CENTER	6	6	12
BLUE RIDGE METALS CORP	2	2	4
BLUE RIDGE PAPER PRODUCTS INC	26	26	52
BNP INC	1	1	2
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	2	2	4
BP SOLUTIONS GROUP INC	2	2	4

BRIDGESTONE BANDAG LLC	6	6	12
BRIER CREEK OFF #6 LLC	1	1	2
BRIER CREEK OFFICE # 1 LLC	1	1	2
BRIER CREEK OFFICE # 2 LLC	1	1	2
BRIER CREEK OFFICE # 5 LLC	1	1	2
BRIER CREEK OFFICE #4 LLC	1	1	2
Brightview, LLC	1	1	2
BRM PARTNERS II LLC	2	2	4
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	1	1	2
BRUNSWICK CO UTILITIES	1	1	2
BRUNSWICK COUNTY SCHOOLS	17	17	34
BSH HOME APPLIANCES	1	1	2
BSH HOME APPLIANCES	5	5	10
BUNCOMBE CO BD OF EDUCATION	1		1
BUNCOMBE COUNTY	2		2
BUNCOMBE OPERATIONS LLC	1	1	2
BURCAM CAPITAL II LLC	1	1	2
BURIAL BEER CO LLC	6	6	12
BURLINGTON INDUSTRIES LLC	2	2	4
C M TUCKER LUMBER OF NC LLC	2	2	4
CAMBRIDGE VILLAGE OF WIL LLC	5	5	10
CAMP DAVIS INDUSTRIAL PARK INC	3	3	6
CAMPBELL SOUP SUPPLY CO LLC	3	3	6
CAMPBELL UNIVERSITY INC	60	59	119
CAN AM SOUTH LLC	2	2	4
CANTON SAWMILL LLC	6	6	12
CAPE FEAR ACADEMY	2	2	4
CAPE FEAR COMMUNITY COLLEGE	28	28	56
CAPE FEAR COUNTRY CLUB	7	7	14
CAPE FEAR PUBLIC UTILITY AUTH	6	6	12
CAPEL INC	6	6	12
CAPITAL FUNDS INC	2	2	4
CAPITOL BROADCASTING CO	15	15	30
CAPITOL FUNDS INC	1	1	2
CARDINAL METALWORKS LLC	2	2	4
CARLIE C OPERATION CENTER INC	11	16	27
CAROLINA APPAREL GROUP INC	1	1	2
CAROLINA BAY OF WILMINGTON LLC	5	5	10
CAROLINA BEACH TOWN OF	2	2	4
CAROLINA CONTAINER LLC	1	1	2
CAROLINA COUNTRY CLUB	3	3	6
CAROLINA DAIRY LLC	1	1	2
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 METAL RECYCLERS INC	2	2	4
CAROLINA PRESERVE BY DEL WEBB	12	12	24
CAROLINAS HEALTHCARE SYSTEM	1	1	2
CARQUEST OF SRONCE	1	1	2
CARTERET CO BD OF ED	4	4	8

CARTERET COMMUNITY COLLEGE	16	16	32
CARTERET COUNTY FINANCE	3	3	6
CARTERET GENERAL HOSPITAL	7	9	16
CARTERET SURGICAL ASSOCIATES	1	1	2
CARY TOWN OF	17	17	34
CASCADES HOLDING US INC	5	5	10
CASE FARMS	4	4	8
CATALENT PHARMA SOLUTIONS LLC	18	18	36
CATERPILLAR INC	11	11	22
CEGM MORRISVILLE, LLC	1	1	2
CERTAINTEED CORPORATION	2	2	4
CERTAINTEED GYPSUM NC INC	1	1	2
CFVH - BLADEN HEALTHCARE	12	12	24
CHARTER COMMUNICATIONS INC	1	1	2
CHATHAM CO BOARD OF EDUCATION	6	6	12
CHATHAM COUNTY	3	3	6
CHATHAM HOSPITAL INC	3	3	6
CHERRY HOSPITAL	1	1	2
CHROMA COLOR CORPORATION	1	1	2
CINCINNATI THERMAL SPRAY INC	1	1	2
CITRIX SYSTEMS INC		2	2
CITY OF HENDERSON	1	1	2
CITY OF RALEIGH	27	27	54
CL CARY LLC	2	2	4
CLIFFORD W ESTES CO INC	2	2	4
CLINTON CITY BD OF ED	2	2	4
CLINTON CITY OF	1	1	2
CMC CORPORATION	3	2	5
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	6	7	13
COBB VANTRESS INC	1	1	2
Coker Feed Mill Inc	1	1	2
COLUMBUS COUNTY	2	2	4
COLUMBUS COUNTY SCHOOLS	11	11	22
COLUMBUS REG HEALTHCARE SYSTEM	2	2	4
COMFORT TECH INC	1	1	2
CONESTOGA WOOD SPECIALTIES	2	2	4
CONSOLIDATED METCO INC	2	2	4
COOPER INDUSTRIES INC	1	1	2
CORE-MARK DISTRIBUTORS INC	1	1	2
CORNELIA NIXON DAVIS INC	4	4	8
CORNING INC	4	4	8
CORTEK	4	4	8
COSTCO WHOLESALE	4	4	8
COTTLE STRAWBERRY NURSERY INC	6	6	12
COTY US LLC	4	4	8
COUNCIL TOOL CO INC	3	3	6
COUNTRY CLUB OF LANDFALL	13	13	26
COUNTY OF WAYNE	1	1	2
COURTYARD BY MARRIOTT	2	1	3
COVIA HOLDINGS CORPORATION	3	3	6

CRAVEN CO BD OF ED	21	18	39
CRAVEN CO JUSTICE CENTER	1	1	2
CRAVEN CO WOOD ENERGY LP	1	1	2
CRAWFORD KNITTING INC	1	1	2
CREEDMOOR HOLDINGS	1	1	2
CROP PRODUCTION SERVICES INC	1	1	2
crump group usa 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	24	24	48
CUMBERLAND OPERATIONS, LLC	1	1	2
DAK AMERICAS LLC	3	3	6
DALIAH PLASTICS CORP	4	4	8
DAY INTERNATIONAL INC	2	2	4
DCI INC	1	1	2
DEERE & COMPANY	2	2	4
DEERFIELD EPISCOPAL RETIREMENT	18	18	36
DEPT OF HEALTH & HUMAN RESOURC	32	32	64
DESCO INDUSTRIES INC	4	4	8
DEVIL DOG MFG CO INC	2	2	4
DIRECT PACK EAST LLC	1	1	2
DLP CCMC LLC	1	1	2
DODGE MECHANICAL PWR TRANS CO	1	1	2
DOMTAR PAPER COMPANY LLC	4	4	8
DRPFC I LLC	5	5	10
DUKE UNIV HEALTH SYSTEM INC	23	23	46
DUKE UNIVERSITY MARINE LAB	1	1	2
DUNN CITY OF	5	5	10
DUPLIN CO BD OF ED	11	11	22
DUPLIN GENERAL HOSP	3	3	6
DUPONT INDUSTRIAL BIOSCIENCES	11	11	22
DYNAPAR CORP	3	3	6
E CAROLINA METAL TREATING INC	1	1	2
EAGLE SPORTSWEAR LLC	2	1	3
EATON AEROQUIP INC	1	1	2
EATON CORPORATION	11	10	21
EDELBROCK LLC	1	1	2
EDWARD TEACH BREWING LLC	1	1	2
EDWARDS WOOD PROD INC ALAMANCE	3	3	6
EDWARDS WOOD PRODUCTS INC	12	12	24
ELASTIC THERAPY INC	2	3	5
ELECTRO SWITCH CORPORATION	1	1	2
ELEMENTIS CHROMIUM INC	4	4	8
ELKAY SOUTHERN PLANT 2	1	1	2
ELKINS SAWMILL INC	2	2	4
EMC CORPORATION	4	4	8
EMERGEORTHO PA	2	2	4
ENERGIZER BATTERY MANUFACTURIN	3	3	6
ENTERPRISE PROPANE TERM & STOR	4	4	8
ENVIVA PELLETS HAMLET LLC	2	2	4
ENVIVA PELLETS SAMPSON LLC	1	1	2
ENVIVA PORT OF WILMINGTON, LLC	1	1	2
EPC COLUMBIA INC	2		2

ERIC MCPHERSON	1	1	2
ERICO INC	2	2	4
EVERGREEN PACKAGING INC	4	4	8
EXTREME NETWORKS INC	1	1	2
F7 WEST LLC	3	3	6
FAYETTEVILLE TECH COMM COLL	1	1	2
FCC (NC) LLC	1	1	2
FENNER DRIVES	1	1	2
FIRST BAPTIST CH OF ASHE INC	1	1	2
FIRST CITIZENS BANK	1	1	2
FIRST CITIZENS BANK & TRUST CO	3	3	6
FIRSTHEALTH OF THE CAROLINAS	46	46	92
FLAKEBOARD AMERICA LIMITED	1	1	2
FLETCHER BUSINESS PARK LLC	1		1
FLETCHER HOSPITALITY, LLC	1		1
FLEXENTIAL CORP	2	2	4
FLOCO FOODS INC	1	1	2
FLOWSERVE US INC	1	1	2
FLYING J INC	1	1	2
FOOD LION LLC	167	167	334
FORTNIGHT BREWING INC	1	1	2
FORTRON INDUSTRIES LLC	1	1	2
FOUNTAIN POWER BOATS INC	5	5	10
FOUR SEASON MGT INC	6	6	12
FOUR SEASONS MGNT SVCS INC	1	1	2
FRANKLIN BAKING COMPANY LLC	13	13	26
FRANKLIN COUNTY SCHOOLS	5	5	10
FRATERNITY/SORORITY LIFE	3	3	6
FRESH BUY INC	2	2	4
FRESH FOODS LLC	5	4	9
FRONTIER YARNS INC	2	2	4
FUJIFILM DIOSYNTH BIOTEC USA	6	6	12
FULCHER'S POINT PRIDE SEAFOOD	2	2	4
FUQUAY-VARINA TOWN OF	1	1	2
FURNITURE FAIR INC	3	2	5
GALE FORCE SPORTS & ENTERTAIN	1	1	2
GALLOWAY RIDGE INC	12	12	24
GENERAL ELECTRIC CO	5	5	10
GENERAL INDUSTRIES INC	5	4	9
GENERAL PARTS DIST LLC	1	1	2
GENERAL SHALE BRICK INC	9	9	18
GENERAL TIMBER INC	1	1	2
GEORGIA PACIFIC WOOD PROD LLC	1	1	2
GEORGIA-PACIFIC CORP	2	2	4
GH CRESCENT GREEN INC	1	1	2
GI ETS REGENCY WOODS II LLC	1	1	2
GIBRALTAR PACKAGING GROUP INC	4	4	8
GILDAN YARNS LLC	1	1	2
GIVENS ESTATES INC	12	12	24
GIVENS HIGHLAND FARMS LLC	10	10	20
GKN DRIVELINE N AMERICA INC	3	3	6
GLAXOSMITHKLINE	6	6	12
GLEN RAVEN MILLS INC	1	1	2
GLENAIRE INC	1	1	2
GLENWOOD ASSET MANAGEMENT LLC	1	1	2

GLENWOOD HOSPITALITY ASSOC LLC	1	1	2
GLOBAL PACKAGING INC	1	1	2
GODWIN MFG CO INC	13	13	26
GOLD BOND BUILDING PRODUCT LLC	2	2	4
GOLDSBORO CITY OF	2	2	4
GOLDSBORO HOUSING AUTHORITY	3	3	6
GOLDSBORO MILLING CO	13	13	26
GOODWILL INDUSTRIES OF THE SOUTHERN PIED	1	1	2
GRANITE FALLS SWIM/ATHL CLUB	3	3	6
GREATER ASHEVILLE REG AIRPORT	1	1	2
GREDE II LLC	6	6	12
GREENE COUNTY MANAGER	1	1	2
GRIFOLS THERAPEUTICS LLC	2	2	4
H & H FURNITURE MFG INC	3	2	5
HALLMAN FOUNDRY LLC	2	2	4
HAM PRODUCE LLC	1	1	2
HANESBRANDS INC	2	2	4
HANSON AGGREGATES SE LLC	34	34	68
HAPPY JACK INC	1	1	2
HARDEN ROAD ASSOCIATES	1	1	2
HARGER LIGHTNING & GROUNDING	1	1	2
HARNETT CO BD OF ED	10	10	20
HARNETT CO PUBLIC UTIL	9	9	18
HARNETT CO SHERIFF OFFICE	1	1	2
HARNETT HEALTH SYSTEM INC	18	18	36
HARRIS PRINTING CO INC	2	2	4
HARRIS TEETER INC	27	20	47
HASTY PLYWOOD CO	1	1	2
HAVELOCK CITY OF	1	1	2
HAYWOOD COUNTY LOCAL GOV	1	1	2
HAYWOOD REGIONAL MEDICAL CNTR	4	4	8
HCL AMERICA INC	1	1	2
HEATMASTERS LLC	2	2	4
HERAEUS QUARTZTECH AMERICA LLC	1	1	2
HIGHWOODS JOINT VENTURE	1	1	2
HIGHWOODS REALTY LP	23	23	46
HJH ASSOCIATES	1	1	2
HOG SLAT INC	8	8	16
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 CHURH OF NC INC	2	2	4
HORNWOOD INC	3	3	6
HOUSE OF RAEFORD FARMS INC	13	13	26
HP ASHEVILLE LLC	1	1	2
HUGHES FURNITURE INDUSTRIE INC	1	1	2
HULSING HOTELS INC	12	11	23
HUVEPHARMA INC	2	2	4
HYDRO TUBE ENTERPRISES INC	1	1	2
IDAHO TIMBER CORPORATION OF NC	4	4	8
IMMEDION LLC		1	1
INGERSOLL-RAND	1	1	2
INGLES MARKETS INC	99	98	197
INN ON BILTMORE ESTATE INC	1	1	2

INNOVATIVE LAMINATIONS CO	1	1	2
INTERNATIONAL BROADCAST BUREAU	1	1	2
INTERNATIONAL PAPER COMPANY	8	8	16
INTERROLL CORPORATION	1	1	2
J & D WOOD INC	2	2	4
J & S WHOLESALE AND RENTAL LLC	2		2
J A MCNEILL & SONS	1	1	2
J C HOWARD FARMS LLC	8	8	16
J P TAYLOR COMPANY LLC	5	5	10
J&J SNACK FOODS HANDHELDS CORP	1	1	2
JACKSONVILLE CITY OF	4	4	8
JACOB HOLM IND AMERICA INC	1	1	2
JEMSM RALEIGH HOLDINGS LLC	1		1
JOHNSON BROTHERS OF NC INC	2	2	4
JOHNSTON CO BOARD OF EDUCATION	20	20	40
JOHNSTON CO PUBLIC UTILITIES	2	2	4
JOHNSTON MEM HOSPITAL AUTH	1	1	2
JORDAN LUMBER & SUPPLY INC	16	16	32
JOVC FOOD CORP INC	1		1
KAM TOOL & DIE INC	1	1	2
KATHRYN KILELEE	1	1	2
KAYSER-ROTH CORPORATION	4	4	8
KENNAMETAL INC	2	2	4
KENNY HAWKINS AUTO INC	1	1	2
KESSLER ASHEVILLE LLC	1	1	2
K-FLEX USA LLC	4	4	8
KING CHARLES INDUSTRIES LLC	2	2	4
KINGSLAND REALTY LLC	1	1	2
KLAUSSNER FURN IND INC	22	12	34
KOOPMAN DAIRIES INC	1	1	2
KORDSA INC	3	3	6
KRYOCAL, LLC	3	3	6
LAKE JUNALUSKA ASSEMBLY INC	42	42	84
LAKE PARTNERS LLC	1	1	2
LANCER INC	5	5	10
LAURINBURG-MAXTON AIRPORT	20	20	40
LAZAR INDUSTRIES LLC	3	3	6
LCNRC OF COLUMBUS CO LLC	1	1	2
LEAR CORPORATION	3	3	6
LEE BRICK & TILE COMPANY	5	5	10
LEE COUNTY GENERAL SERVICES	5	4	9
LEE IRON & METAL CO	1	3	4
LELAND FOOD INC	2	2	4
LENOIR CO BD OF EDUCATION	4	4	8
LEWIS SAUSAGE CO INC	1	1	2
LIBERTY COMMONS WARREN CO LLC	1	1	2
LIBERTY HEALTHCARE SERVICES	3	3	6
LIDL US OPERATIONS LLC	5	5	10
LIFEWAY CHRISTIAN RESOURCES OF	44	44	88
LINAMAR NORTH CAROLINA INC	1	1	2
LINPRINT CO	1	1	2
LIVE OAK BANKING COMPANY	2		2
LOCAL GOVERNMENT FED CREDIT UN	1	1	2
LONERIDER BREWING COMPANY	1	1	2
LORD CORPORATION	5	5	10

LOUISBURG COLLEGE INC	1	1	2
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	36	36	72
LOWES FOODS LLC	24	24	48
LOWES HOME CENTERS LLC	1	1	2
LTF CLUB OPERATIONS CO INC	1		1
M ADLER'S SON, INC	1	1	2
MANHATTAN AMERICAN TERRAZO	1	1	2
MANUFACTURING METHODS, LLC	1	1	2
MARS PETCARE US, INC	3	3	6
MARTIN MARIETTA MATERIALS INC	38	38	76
MAS US HOLDINGS INC	1	1	2
MAY FURNITURE INC	1	1	2
MCDOWELL LUMBER CO INC	1	1	2
MCGILL ENVIRONMENTAL SYS OF NC	1	1	2
MCLAMBS ABATTOIR AND MEATS INC	1	1	2
MCLEOD REG MED CTR OF PEE DEE	1	1	2
MCMURRAY FABRICS INC	6	6	12
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	5	5	10
MERITOR HEAVY VEHICLE SYS LLC	2	2	4
MERTEK SOLUTIONS INC	3	3	6
MESTEK INC	3	3	6
METAL-CAD & STEEL FRAMING	1	1	2
METCHEM, LLC	1	1	2
METHODIST UNIVERSITY	44	44	88
METROPOLITAN LIFE INS CO	3	2	5
METROPOLITAN SEWAGE DISTRICT	4	4	8
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	3		3
MINE SAFETY APPL CO LLC	1	1	2
MISSION HEALTH SYSTEM INC	13	13	26
MISSION ST JOSEPH HEALTH SYS	1	1	2
MISSION ST JOSEPH HOSPITAL	1	1	2
MITCHELL CO BD OF ED	1	1	2
MMIC-TL INC PARTNERS LLC	1	1	2
MOEN INC	4	4	8
MONTGOMERY COUNTY OF	1	1	2
MOORE COUNTY	2	2	4
MOORE COUNTY SCHOOLS	2	2	4
MOTO GROUP LLC	1	1	2
Mount Vernon Mills Inc	1	1	2
MOUNTAIRE FARMS INC	21	23	44
MT OLIVE PICKLE CO	16	16	32
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	2	1	3
NASH COMMUNITY COLLEGE	6	6	12
NASH COUNTY	1	1	2
NASH COUNTY MANAGERS OFFICE	1	1	2
NASH ROCKY MOUNT BD OF ED	7	7	14
NATIONAL SPINNING CO INC	6	6	12
NATURAL BLEND VEG DEHYDR LLC	1	1	2
NATURES WAY FARMS INC	1	1	2
NC AQUARIUM	2	1	3
NC DEPT OF MENTL HEALTH	1	1	2
NC DEPT OF PUBLIC SAFETY	58	60	118
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	4	4	8
NC STATE FAIRGROUNDS	2	2	4
NC STATE PORTS AUTH	8	7	15
NC STATE PORTS AUTHORITY	18	18	36
NC STATE UNIVERSITY	130	130	260
NC STATE VETERANS HOME	1	1	2
NC WILDLIFE COMMISSION	1	1	2
NEO CORPORATION	1		1
NESBITT ASHEVILLE VENTURE LLC	2	2	4
NEW ANTHEM LLC	1	1	2
NEW BELGIUM BREWING CO INC	3	3	6
NEW GENERATION YARN CORP	1	1	2
NEW HANOVER CO BD OF ED	41	37	78
NEW HANOVER REGIONAL MED CTR	19	19	38
NHC PROPERTY MANAGEMENT	2		2
NOBLE OIL SERVICES	2	2	4
NOMACO INC	2	2	4
NORCRAFT COMPANIES LP	2	2	4
NORMAN SNEEDEN	2	2	4
NORTH CAROLINA MFG CO INC	1	1	2
NORTH HILLS TOWER II LLC	3	3	6
NORTH STATE TECH SOLUTIONS	1	1	2
NORTHEAST FOODS INC		1	1
NOVIPAX LLC	3	3	6
NOVO NORDISK PHARMACEUTICAL	3	3	6
NOVOZYMES NORTH AMERICA INC	1	1	2
NYPRO ASHEVILLE INC	1	1	2
OFFICE OF INFOR TECH SVCS	5	5	10
OHM HOTELS RTP, LLC	1	1	2
OLIVER RUBBER COMPANY	2	2	4
OMNI GROVE PARK LLC	16	16	32
ONSLow CO BD OF COMM	8	8	16
ONSLow CO BD OF EDUC	29	29	58
ONSLow MEMORIAL HOSPITAL AUTH	2	2	4
ONSLow WATER AND SEWER AUTH	5	5	10
ORACLE AMERICA, INC	1	1	2
OWENS & MINOR	1	1	2
OXFORD CITY OF	1		1
P G & C INC	2	2	4

P&A INDUSTRIAL FABRCATIONS LLC	1	1	2
P/W OF NASHVILLE, INC	2	2	4
PACON MANUFACTURING CORP	3	3	6
PAG CAROLINA CRATE & PALLET	1	1	2
PAK A SAK FOOD STORES	1	1	2
PALLET EXPRESS, INC	5	4	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	8	8	16
PARKDALE AMERICA LLC	2	2	4
PARKS FAMILY MEATS LLC	1	1	2
PARKWAY PRODUCTS LLC	1	1	2
PCS PHOSPHATE CO INC	1	1	2
PENDER CO BD OF ED	10	10	20
PENDER MEMORIAL HOSPITAL INC	8	8	16
PENICK VILLAGE INC	16	16	32
PENTAIR WATER POOL AND SPA INC	3	3	6
PEPSI BOTTLING VENTURES LLC	7	7	14
PERDUE FARMS INC	20	20	40
PERSON CO BD OF ED	2	2	4
PETROLEUM TANK CO	2	2	4
PFIZER INC	4	4	8
PH HS LLC	2	2	4
PHOENIX LTD PARTNERSHIP	1	1	2
PIEDMONT NATURAL GAS	1	1	2
PIEDMONT NATURAL GAS CO	1	1	2
PILGRIMS PRIDE CORPORATION	7	7	14
PILKINGTON	1	1	2
PINEHURST COUNTRY CLUB LLC	1	1	2
PINEHURST LLC	85	85	170
PINEHURST MEDICAL CLINIC	2	2	4
PINEHURST SURGICAL CLINIC PA	2	2	4
PIONEER HI BRED INC	5	5	10
PLANTATION VILLAGE INC	1	1	2
PLASTEK IND INC (PA) NC	3	3	6
PLASTICARD PRODUCTS INC	2	2	4
PLUTO LABS LLC	1	1	2
POLYMER GROUP INC	1	1	2
POLYWOOD LLC	2	2	4
POLYZEN INC	1	1	2
PORT CITY COMMUNITY CHURCH	3	3	6
PPD DEVELOPMENT L.P.	3	3	6
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	2	2	4
PRECISION HYDRAULIC CYL INC	2	2	4
PRECISIONAIRE INC	2	2	4
PREMIERE FIBERS LLC	5	5	10
PRESTAGE AGENERGY OF NC LLC	2	2	4
PRESTAGE FARMS INC	30	30	60
PRESTIGE FABRICATORS INC	4	4	8
PRESTON TAYLOR FOOD INC	2	2	4

PRINTLOGIC LLC	2	2	4
PRISM RESEARCH GLASS INC	2	2	4
PRO PALLET SOUTH INC	1	1	2
PROTO LABS INC	1		1
PSNC ENERGY	1	1	2
PUBLIC SCHOOLS OF ROBESON CO	22	22	44
PUBLIX NORTH CAROLINA LP	23	23	46
QUAIL HAVEN OF PINEHURST LLC	1	1	2
QUALITY CHEMICAL LABORATRS LLC	1	1	2
QUALITY TEXTILE SERVICES INC	1	1	2
RAEFORD CITY OF	1	1	2
RAILROAD FRICTION PRODUCT CORP	4	4	8
RALEIGH 1 LP	8	8	16
RALEIGH CITY OF	6	6	12
RALEIGH DURHAM OFFICE PARTNERS	4	4	8
RALEIGH FITNESS & WELLNESS	1	1	2
RALEIGH HOTEL OPERATOR INC	1	1	2
RALEIGH HOTEL XXIX OWNER LLC	1	1	2
Raleigh Housing Authority	2	2	4
RALEIGH RECLAIMED LLC	1	1	2
RANDOLPH COUNTY	11	11	22
RAVEN ANTENNA SYSTEMS INC	1	1	2
RC CREATIONS, LLC	2	2	4
RD AMERICA LLC	1	1	2
RDU AIRPORT AUTHORITY	6	6	12
RED CARPET ENTERTAINMENT	1	1	2
RED HAT INC	1	1	2
RED WOLF COMPANY, LLC	1		1
REDDY ICE CORP	2	6	8
REGAL CINEMAS	3	2	5
REGAL ENTERTAINMENT GROUP	4	4	8
REICH LLC	1	1	2
RELIANCE PACKAGING, LLC	4	4	8
RESINART EAST INC	1	1	2
REVLON CONSUMER PRODUCTS CORP	3	3	6
REX HEALTH CARE INC	14	14	28
REX MOB PARTNERS LLC	1	1	2
RFR METAL FABRICATION, INC	2	2	4
RHEINFELDEN AMERICAS LLC	2	2	4
RICHMOND COUNTY	5	5	10
RICHMOND COUNTY SCHOOLS	10	10	20
RIDGECREST CONFERENCE CENTER	1	1	2
ROBESON COUNTY	9	9	18
ROCKINGHAM CITY OF	8	8	16
ROCKY MOUNT MILL LLC	6	6	12
RODECO CO	1	1	2
ROYAL TEXTILE MILLS INC	1	1	2
RSE INDEPENDENCE LLC	17	17	34
RV MANAGEMENT SERVICES LLC	2	2	4
S & S BREWING COMPANY LLC	1	1	2
S B SMITH & SON INC	4	4	8
S T & F PRECISION INC	1	1	2
S T WOOTEN CORPORATION	14	14	28
SAGE & EVANS INC	1		1
SAGENT PHARMACEUTICALS INC	1	1	2

SAINT JOSEPH OF THE PINES INC	21	21	42
SAMPSON CO BD OF ED	6	6	12
SAMPSON CO HEALTH	1	1	2
SAMPSON CO LAW ENFORCEMENT	1	1	2
SAMPSON REGIONAL MEDICAL CTR	3	3	6
SANDERSON FARMS INC	7	7	14
SANDHILLS COMM COLLEGE	12		12
SANFORD CITY OF	3	3	6
SANFORD LEE CO BD OF ED	9	5	14
SANFORD MILLING CO INC	2	2	4
SAPONA MFG CO INC	2	2	4
SAS INSTITUTE INC	1	1	2
SAS INSTITUTE INC	22	23	45
SBFI - NORTH AMERICAN	1	1	2
SCHINDLER ELEVATOR CORP	2	2	4
SCOTLAND CO BD OF ED	3	3	6
SCOTLAND MANUFACTURING	1	1	2
SEQIRUS INC	3	3	6
SFM LLC	1		1
SHAW UNIVERSITY	9	9	18
SIBELCO NORTH AMERICA INCORPOR	32	32	64
SIEMENS MEDICAL SOLUTIONS	3	3	6
SILAR LABORATORIES, INC.	1	1	2
SILER CITY TOWN OF	3	3	6
SILVER LINE PLASTICS CORP	10	10	20
SINCLAIR BROADCAST GROUP INC	1	1	2
SIX FORKS OFFICE, LLC	3		3
SKYLAND BEER DIST	1	1	2
SMITHFIELD FRESH MEATS	2	2	4
SMOKY MOUNTAIN MACHINING INC	2	2	4
SNUG HARBOR MANAGEMENT LLC	1	1	2
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	1	1	2
SOUTHERN CONCRETE MATERIAL INC	12	12	24
SOUTHERN FABRICATORS INC	3	3	6
SOUTHERN PINES TOWN OF	3	3	6
SOUTHERN PRODUCTS & SILICA CO	3	3	6
SOUTHERN STATES CHEMICAL INC	1	1	2
SOUTHERN VENEER SPEC PROD LLC	6	6	12
SPANSET INC	1	1	2
SPIRIT AEROSYSTEMS INC	2	2	4
SPORTS FACTORY LLC	2	2	4
SPRING LAKE TOWN OF	1	1	2
SPUNTECH INDUSTRIES INC	1	1	2
ST ANDREWS PRESBYTERIAN COLL	5	5	10
ST. DAVIDS SCHOOL	7	6	13
STAN JOHNSON & ASSOCIATES LLC	6	6	12
STANADYNE INC	3	3	6
STARPET INC	2	2	4
STATIC CONTROL COMP INC	2	2	4
STEEL & PIPE CORP	2	1	3
STEPAN COMPANY	1	1	2

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
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	4	4	8
SUPERIOR PLASTICS EXTRUSION	1	1	2
SUPERTEX, INC	5	5	10
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	3	3	6
TARGET STORES	19	4	23
TAYLOR DEVELOPMENT GROUP LLC	1	1	2
TE CONNECTIVITY CORPORATION	3	3	6
TECHNIMARK LLC	2	2	4
TESLA INC	1	1	2
THE ATRIUM AT BLUE RIDGE, LLC	2	2	4
THE BILTMORE COMPANY	3	3	6
THE CHEESECAKE FACTORY	1	1	2
THE CHEMOURS COMPANY FC LLC	7	7	14
THE COUNTRY CLUB OF NC INC	1	1	2
THE CYPRESS OF RALEIGH	8	8	16
THE DEAN COMPANY OF NORTH CAROLINA	1	1	2
THE HARRELSON BUILDING INC	1	1	2
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	16	16	32
THE SEFA GROUP, INC	2	2	4
THE SUMMIT LAKE BOONE LLC	1	1	2
THE THREE RING BREWING CO LLC	2	2	4
THE UMSTEAD	1	1	2
THERMAL METAL TREATING INC	1	1	2
THERMOFISHER SCI ASHEVILLE LLC	1	1	2
THIRD STREET SCREEN PRINTING	2	1	3
TIERPOINT LLC	3	3	6
TIME WARNER CABLE SE LLC	4	4	8
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	2	2	4
TRANS CAROLINA PRODUCTS LLC	1	1	2
TREEHOUSE FOODS INC	6	6	12
TRIANGLE AQUATIC CENTER	1	1	2
TRIANGLE BRICK CO	3	3	6
TRINITY MANUFACTURING INC	6	6	12
TROTTERS SEWING COMPANY INC	1	1	2
TROY LUMBER CO	21	21	42

TRUIST BANK	3	3	6
TUCSON CARY, LLC	1	1	2
TURN BULL LUMBER COMPANY	1	1	2
TYSON FOODS INC	2	2	4
U S REIF 4700 FALLS NC LLC	1	1	2
UCHIYAMA MANUF AMERICA LLC	1	1	2
UNC AT ASHEVILLE	11	11	22
UNC CENTER FOR PUBLIC MEDIA	1	1	2
UNC HEALTH CARE SYSTEM	4	3	7
UNC INSTITUTE OF MARINE SCI	2	2	4
UNCW	25	24	49
UNILEVER MANUFACTURING US INC	9	9	18
UNILIN NORTH AMERICA LLC	2	2	4
UNILIN US MDF	4	4	8
UNISON ENGINE COMPONENTS INC	3	3	6
UNITED PARCEL SERVICE INC	1	1	2
UNITED STATES COLD STORAGE INC	7	7	14
UNIVERSAL HEALTHCARE N RAL INC	1	1	2
UNIVERSAL LEAF NORTH AMERICA	3	3	6
UNIVERSITY OF NC AT PEMBROKE	13	13	26
UNIVERSITY OF NC HOSPITALS	1	1	2
UNIVERSITY RESEARCH UNIT	1	1	2
URETHANE INNOVATORS INC	1	1	2
US ARMY	1	1	2
US ARMY FORT BRAGG	3	3	6
US DEPT OF AIR FORCE	2	2	4
US MARINE CORP	1	1	2
US MARINE CORPS	1	1	2
US POST OFFICE	3	3	6
US REIF REGENCY I	1	1	2
US VETERANS ADMIN HOSPITAL	2	2	4
USCG FINANCE CENTER	7	7	14
USS NC BATTLESHIP COMM	2	2	4
UWHARRIE FRAME MFG LLC	2	2	4
UWHARRIE LUMBER CO	1	1	2
VALLEY PROTEINS INC	14	14	28
VANDERBILT MINERALS LLC	4	4	8
VANGUARD CULINARY GROUP LTD	1	1	2
VENEER TECHNOLOGIES INC	7	7	14
VESCOM AMERICA INC	2	2	4
VICTAULIC CO OF AMERICA	2	2	4
VILLARI BROS FOODS LLC	1	1	2
VINVENTIONS USA LLC	3	3	6
VONDREHLE CORP	6	6	12
VULCAN CONST MATERIALS LP	24	22	46
W N WILDER CO INC	1	1	2
WADE MANUFACTURING COMPANY	2	2	4
WAKE CO HOSP SYSTEM INC	4	4	8
WAKE COUNTY BOARD OF EDUCATION	66	66	132
WAKE COUNTY GENERAL SERVICES	19	19	38
WAKE STONE CORP	17	17	34
WAKE TECHNICAL COMM COLLEGE	31	31	62
WAKEFIELD REX INVESTORS MOBLCC	1	1	2
WAKEMED	6	6	12
WAKEMED FACILITIES SVC	2	2	4

WAKEMED PROPERTY SERVICES	13	13	26
WAL MART PDC #6091	1	1	2
WALLACE TOWN OF	1	1	2
WALMART STORES INC	75	75	150
WALNUT CREEK AMPHITHEATER	1	1	2
WARP TECHNOLOGIES INC	1	1	2
WARREN CO BD OF ED	5	5	10
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	10	10	20
WAYNESVILLE TOWN OF	1	1	2
WEGMANS FOOD MARKETS INC	1	1	2
WELLS FARGO BANK NA	2	2	4
WEST FRASER INC	5	5	10
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	3	3	6
WHOLE FOODS MARKET GROUP INC	6	6	12
WILLIAM BARNET & SON INC	7	7	14
WILLIAMS PROPERTY GROUP INC	1	1	2
WILMINGTON CITY OF	3	1	4
WILMINGTON HEALTH PLLC	1	1	2
WILMINGTON HOTEL ASSOC CORP	1	1	2
WILMINGTON ICE VENTURES LLC	1	1	2
WILMINGTON INTL AIRPORT	19	19	38
WILMINGTON MACHINERY INC	1	1	2
WILSONART INTERNATIONAL	4	4	8
WINDSTREAM COMMS LLC	2	2	4
WIRTHWEIN NEW BERN CORP CS COR	1	1	2
WRIGHT MACHINE & TOOL CO INC	1	1	2
WRIGHTSVILLE BEACH BREWERY LLC	1	1	2
WYNDHAM DENNISON	1	1	2
YALE INDUSTRIAL PRODUCTS INC	1	1	2
YAMCO LLC	1	1	2
YMCA OF THE TRIANGLE AREA	6	6	12
YMCA OF WESTERN NORTH CAROLINA	2	2	4
Grand Total	4,226	4,132	8,358

Duke Energy Progress, LLC
List of Industrial and Commercial Customers Opted In as of December 31, 2021
Docket E-2, Sub 1294

Customer Bill Name	Number of Accounts	
	EE (JAN 1 - DEC 31)	DSM (JAN 1 - DEC 31)
3141 PROPERTIES LLC	1	
BARNES FARMING CORPORATION	1	
CMC CORPORATION	1	
JEMSM RALEIGH HOLDINGS LLC	1	
JOHNSTON CO BOARD OF EDUCATION		2
JOHNSTON CO BOARD OF EDUCATION	2	
LAURINBURG-MAXTON AIRPORT	1	
SHAW AIR FORCE		1
TARGET STORES	4	
Grand Total	11	3

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EM&V Activities

Planned Evaluation, Measurement and Verification (EM&V) Activities through the rate period (Dec. 31, 2023)

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 13, 2022

DEP DSM/EE Programs - Anticipated EM&V Schedule

Program Name	NC Docket	SC Docket	Short name	2022 2nd Quarter	2022 3rd Quarter	2022 4th Quarter	2023 1st Quarter	2023 2nd Quarter	2023 3rd Quarter	2023 4th Quarter	2024 1st Quarter	Notes
Commercial Demand Response	Docket No. E-2, Sub 953	Docket 2010-41-E	CIG DR	REP				IMP	IMP	IMP	IMP	Final report in 2nd Q 2024
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	REP		PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	2022 report in 3Q 2024
Nonresidential Smart Saver EE Products & Assessment (Custom)	Docket No. E-2, Sub 938	Docket 2009-190-E	EEB	PROC/IMP	REP	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	REP		2020/2021 report in 3Q 2023
EnergyWise	Docket No. E-2, Sub 927	Docket 2009-190-E	EW	REP _(S) IMP _(W)	IMP _(S) REP _(W)	IMP _(S) IMP _(W)	IMP _(S) IMP _(W)	REP _(S) IMP _(W)	IMP _(S) REP _(W)	IMP _(S) IMP _(W)	IMP _(S) IMP _(W)	Summer 2021 report no peak events (to be included in Summer 2022 eval report; Winter 2021/2022 to be completed Sep 2022)
EnergyWise for Business	Docket No. E-2, Sub 1086	Docket 2015-163-E	EWB	REP _(B)		PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	Evaluation (2022/2024) broken into two components
Energy Efficiency Education	Docket No. E-2, Sub 1060	Docket 2014-420-E	K12			PROC/IMP	PROC/IMP	PROC/IMP	REP			2021/2022 report in 3Q 2023
Residential Energy Assessment	Docket No. E-2, Sub 1094	Docket 2016-82-E	REA	PROC/IMP	PROC/IMP	PROC/IMP	REP			PROC/IMP	PROC/IMP	Combined DEC/DEP evaluation in Jan 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 HTRT retailers; due to COVID, sample frame pushed out past 12/31/2021; last evaluation for program
Online Savings Store	Docket No. E-2, Sub 950	Docket 2010-41-E	OSS					PROC/IMP	PROC/IMP	REP		2023 evaluation to include non-lighting only
Multi-Family Energy Efficiency	Docket No. E-2, Sub 1059	Docket 2014-419-E	MF	REP			PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	Final report 2Q 2024
My Home Energy Report	Docket No. E-2, Sub 989	Docket 2011-180-E	MyHER				PROC/IMP	PROC/IMP	PROC/IMP	REP		Final report planned for Q1-2022
Neighborhood Energy Saver	Docket No. E-2, Sub 952	Docket 2009-190-E	NES	REP		PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	REP		Final report planned for Q4-2023
Pay for Performance (Pilot)	Docket No. E-2, Sub 1187	n/a	P4P	REP								Impact evaluation for Buncombe County Pay for Performance pilot; final report June 2022
Residential New Construction	Docket No. E-2, Sub 1021	Docket 2015-237-E	RNC	REP				PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	2022 report delayed due to data issues
Residential Save Energy & Water Kit	Docket No. E-2 Sub 1085	Docket 2015-322-E	SEW		REP				PROC/IMP	PROC/IMP	PROC/IMP	Final report planned for Jul 2022
Small Business Energy Saver	Docket No. E-2, Sub 1022	Docket 2015-163-E	SBES			PROC/IMP	PROC/IMP	PROC/IMP	REP			Final report planned for Nov 2021; last report with Guidehouse as evaluator
Residential HVAC	Docket E-2, Sub 936		HVAC	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	PROC/IMP	REP			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 1294
 Actual Program and Avoided Costs, January 1, 2016 - December 31, 2021

Market	Program	2016		2017		2018		2019		2020		2021	
		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	\$ (137,009)	\$ 76,177	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential	Appliances and Devices	-	-	-	-	-	-	2,160,799	10,224,171	3,051,854	8,710,041	1,336,043	5,644,364
Residential	Energy Education Program for Schools	827,497	1,693,087	835,991	1,376,442	676,815	1,261,453	747,483	1,039,694	388,273	412,495	396,660	360,751
Residential	Energy Efficient Lighting	17,441,878	44,883,085	12,229,222	39,549,493	9,815,496	33,767,282	13,447,031	35,415,070	5,995,694	20,092,826	6,212,512	14,487,184
Residential	EnergyWise	6,887,758	70,854,171	6,502,032	62,410,503	5,817,271	55,969,158	5,806,874	53,221,850	1,110,200	8,817,400	2,443,378	882,669
Residential	Low Income Weatherization Pilot	-	-	-	-	-	-	27,356	78,059	51,370	61,168	63,139	106,305
Residential	Multi-Family	2,045,220	7,155,924	2,514,413	10,163,052	2,409,743	8,510,368	2,156,484	5,977,179	892,251	1,389,245	377,471	673,764
Residential	My Home Energy Report	5,890,093	7,518,844	6,753,153	6,838,444	7,687,891	9,647,930	6,299,307	11,494,728	7,369,336	10,733,674	4,152,580	9,412,164
Residential	Neighborhood Energy Saver	2,052,535	1,167,680	1,781,211	1,117,743	1,845,739	1,682,539	1,671,298	1,438,897	401,046	196,865	601,722	234,069
Residential	Residential Energy Assessments	1,417,924	4,853,362	1,863,486	5,512,365	1,851,965	5,373,437	2,113,798	4,344,111	2,160,729	4,050,428	2,046,087	2,870,462
Residential	Home Energy Improvement Program	6,013,170	6,991,688	6,961,463	6,313,442	7,168,833	6,300,422	6,411,758	5,417,341	6,494,225	5,453,175	6,365,722	3,855,373
Residential	Residential New Construction	9,405,615	19,280,066	11,671,724	21,481,837	13,189,949	22,773,154	15,113,951	19,396,567	18,861,261	22,840,461	18,415,175	20,371,403
Residential	Save Energy and Water Kit	674,538	13,873,513	888,869	17,187,186	825,279	10,207,563	-	-	-	-	-	-
Non-Residential	Business Energy Report	69,516	309,365	20,330	737	-	-	-	-	-	-	-	-
Non-Residential	Commercial, Industrial, & Governmental Demand	-	(10,684,733)	1,393,650	3,551,967	1,154,642	1,412,804	1,811,347	4,394,068	1,352,902	2,964,614	5,512,341	11,618,565
Non-Residential	EnergyWise for Business	1,112,815	164,696	1,390,549	858,655	2,108,030	151,825	2,412,880	923,654	1,896,524	691,636	1,358,137	456,862
Non-Residential	Energy Efficiency for Business	14,159,310	47,824,935	21,749,807	77,891,372	-	-	-	-	-	-	-	-
Non-Residential	Non-Residential Smart Saver Prescriptive	-	-	-	-	11,515,913	65,391,512	7,877,838	31,476,285	7,863,953	28,517,362	8,272,474	23,029,486
Non-Residential	Non-Residential Smart Saver Custom	-	-	-	-	2,174,163	8,907,633	2,776,482	9,658,177	3,514,807	9,481,018	3,861,513	8,026,993
Non-Residential	Non-Res SmartSaver Performance	-	-	147,160	335,899	201,559	810,478	267,186	606,333	386,339	1,239,947	225,576	377,359
Non-Residential	Small Business Energy Saver	9,336,274	32,988,897	8,770,755	26,945,514	8,858,213	22,342,803	7,301,790	17,456,367	5,004,816	11,119,515	5,575,420	9,839,017
		\$ 77,197,134	\$ 248,950,758	\$ 85,479,401	\$ 281,534,651	\$ 77,301,500	\$ 254,510,362	\$ 78,403,665	\$ 212,562,552	\$ 66,795,579	\$ 136,771,870	\$ 67,215,950	\$ 112,246,791

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

Docket Nos. E-2, Sub 1294 and 931

20. With the exception of Low-Income Programs or other programs explicitly identified at the time of the application for their approval, all Programs submitted for approval will have a Program-level UCT result greater than 1.00. Additionally, for purposes of calculating cost-effectiveness for program approval, consistent with the Commission's Orders in Docket Nos. E-2, Sub 1145 and E-2, Sub 1174, the Company shall use projected avoided capacity and energy benefits specifically calculated for the program, as derived from the underlying resource plan, production cost model, and cost inputs that generated the avoided capacity and avoided energy credits reflected in the most recent Commission-approved Biennial Determination of Avoided Cost Rates for Electric Utility Purchases from Qualifying Facilities as of the date of the filing for the new program approval.

20A. However, for the calculation of the underlying avoided energy credits to be used to derive the program-specific avoided energy benefits, the calculation will be based on the projected EE portfolio hourly shape, rather than the assumed 24x7 100 MW reduction typically used to represent a qualifying facility. For purposes of determining cost-effectiveness, estimated incremental EM&V costs attributable to each Program shall be included in the Program costs. DEP will comply, however, with Commission Rule R8-60(i)(6)(iii), which requires DEP to include in its biennial Integrated Resource Plan, revised as applicable in its annual report, certain information regarding the Measures and Programs that it evaluated but rejected.

20B. Moreover, for the Calculation of the underlying avoided capacity benefits, when authorized pursuant to Commission Rule R8-69(c) and unless the Commission determines otherwise in a G.S. 62-133.9 DSM/EE Rider proceeding, the Company shall be permitted to recognize the impact of the Reserve Margin Adjustment Factor used in the determination of the PPI and PRI values for its energy efficiency programs.

The Reserve Margin Adjustment Factor is equivalent to $(1 + \text{Reserve Margin}) / (\text{Performance Adjustment Factor})$ and will be applied to the avoided capacity costs of all energy efficiency programs.

The Reserve Margin employed shall be based upon the value reflected in the most recent Commission accepted Integrated Resource Plan proceeding as of December 31 of the year immediately preceding the date of the annual DSM/EE rider filing. The Performance adjustment Factor employed shall be based upon value reflected in the most recent Commission approved Biennial Avoided Cost proceeding as of December 31 of the year immediately preceding the date of the annual DSM/EE rider filing.

Duke Energy Progress, LLC
For the Period January 1, 2021 - December 31, 2021
Docket Number E-2 Sub 1294

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DEP - 2021 Find It Duke Allocations

Revenue

Services	Amount	% of Total Received
1 Solar	\$ 49,090	20.8%
2 EV Charging	775	0.3%
3 Tree Services ^a	-	0.0%
4 Non-Native Customers	11,605	4.9%
5 Total Non-DSM/EE	\$ 61,470	26.1%
6 DSM/EE	174,188	73.9%
7 Overall Total	\$ 235,658	100.0%

Cost

	% of Revenue	Total Cost	Allocated Cost
8 DSM/EE	73.9%	\$ 333,149	\$ 246,249
9 Non-DSM/EE	26.1%	333,149	86,900
10 Total Cost			\$ 333,149

Summary

	EE Rev Reqmt		Non-Utility Allocation	
	Before	Adjusted	Before	Adjusted
11 Costs	333,149	246,249	-	86,900
12 Revenues	235,658	174,188	-	61,470
13 Net Revenue Reqmt	97,491	72,061		25,430
14 Net Impact (Pre-PPI impact)		(25,430)		25,430
15 PPI Impact (@11.75%)		2,924		-
16 Net Revenue Requirement Impact		(22,506)		25,430

Reduction in Rider
+ is Increase in Revenue Requirement
- is Reduction in Revenue Requirement

Reduction in Expenses
+ is Reduction in Expenses
- is Increase in Expenses

Notes:

^a Due to low referral volume no Tree contractors were charged referral fees in 2021. Prospectively, no additional Tree Service referrals will be made after 9/10/21.

Duke Energy Progress, LLC
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	2020 Projection per E-2 Sub 1206		2020 Actuals		2020 Projection per E-2 Sub 1206		2020 Actuals		2021 Projection per E-2 Sub 1252		2021 Actuals		2021 Projection per E-2 Sub 1252		2021 Actuals	
	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost
Residential Programs																
EE Programs																
1 Appliance Recycling Program	-	-	\$ -	\$ -	-	-	\$ -	\$ -	-	-	\$ -	\$ -	-	-	\$ -	\$ -
2 Energy Efficient Appliances and Devices	23,787,507	17,958,166	\$ 987,762	\$ 3,051,854	25,669,938	11,590,763	\$ 1,649,616	\$ 1,336,043	25,669,938	11,590,763	\$ 1,649,616	\$ 1,336,043	25,669,938	11,590,763	\$ 1,649,616	\$ 1,336,043
3 Energy Efficiency Education Program	3,872,957	1,772,474	\$ 969,044	\$ 388,273	4,347,246	1,857,439	\$ 1,058,606	\$ 396,660	4,347,246	1,857,439	\$ 1,058,606	\$ 396,660	4,347,246	1,857,439	\$ 1,058,606	\$ 396,660
4 Energy Efficient Lighting	8,977,956	18,942,865	\$ 4,558,139	\$ 5,385,332	10,029,458	19,297,091	\$ 3,650,338	\$ 5,580,078	10,029,458	19,297,091	\$ 3,650,338	\$ 5,580,078	10,029,458	19,297,091	\$ 3,650,338	\$ 5,580,078
5 Residential Smart Saver®	5,634,699	6,893,070	\$ 3,404,576	\$ 6,494,225	4,598,197	6,809,114	\$ 5,132,745	\$ 6,365,722	4,598,197	6,809,114	\$ 5,132,745	\$ 6,365,722	4,598,197	6,809,114	\$ 5,132,745	\$ 6,365,722
6 Weatherization Pilot	-	107,608	\$ -	\$ 51,370	-	208,430	\$ -	\$ 63,139	-	208,430	\$ -	\$ 63,139	-	208,430	\$ -	\$ 63,139
7 Multi-Family Energy Efficiency Program	14,538,633	2,816,526	\$ 2,923,891	\$ 892,251	15,024,097	1,474,721	\$ 2,841,814	\$ 377,471	15,024,097	1,474,721	\$ 2,841,814	\$ 377,471	15,024,097	1,474,721	\$ 2,841,814	\$ 377,471
8 Neighborhood Energy Saver	2,279,725	505,268	\$ 2,042,281	\$ 401,046	3,572,708	592,133	\$ 2,234,972	\$ 601,722	3,572,708	592,133	\$ 2,234,972	\$ 601,722	3,572,708	592,133	\$ 2,234,972	\$ 601,722
9 Residential Energy Assessments	6,866,573	7,151,467	\$ 1,932,255	\$ 2,160,729	15,202,956	6,006,904	\$ 3,946,778	\$ 2,046,087	15,202,956	6,006,904	\$ 3,946,778	\$ 2,046,087	15,202,956	6,006,904	\$ 3,946,778	\$ 2,046,087
10 Residential New Construction	15,992,111	20,007,860	\$ 13,018,377	\$ 18,861,261	17,703,423	19,718,837	\$ 16,137,702	\$ 18,415,175	17,703,423	19,718,837	\$ 16,137,702	\$ 18,415,175	17,703,423	19,718,837	\$ 16,137,702	\$ 18,415,175
11 Residential Home Advantage	-	-	\$ -	\$ -	-	-	\$ -	\$ -	-	-	\$ -	\$ -	-	-	\$ -	\$ -
12 Total for Residential Conservation Programs	81,950,160	76,155,303	\$ 29,836,325	\$ 37,686,341	96,148,023	67,555,430	\$ 36,652,570	\$ 35,182,097	96,148,023	67,555,430	\$ 36,652,570	\$ 35,182,097	96,148,023	67,555,430	\$ 36,652,570	\$ 35,182,097
13 My Home Energy Report	116,045,885	153,286,583	\$ 6,866,858	\$ 7,369,336	162,483,097	186,446,714	\$ 7,448,359	\$ 4,152,580	162,483,097	186,446,714	\$ 7,448,359	\$ 4,152,580	162,483,097	186,446,714	\$ 7,448,359	\$ 4,152,580
14 Total Residential Conservation and Behavioral Programs	197,996,045	229,441,887	\$ 36,703,184	\$ 45,055,677	258,631,119	254,002,144	\$ 44,100,929	\$ 39,334,677	258,631,119	254,002,144	\$ 44,100,929	\$ 39,334,677	258,631,119	254,002,144	\$ 44,100,929	\$ 39,334,677
15 Power Manager	-	-	\$ 8,148,740	\$ 1,110,200	-	-	\$ 7,087,384	\$ 2,443,378	-	-	\$ 7,087,384	\$ 2,443,378	-	-	\$ 7,087,384	\$ 2,443,378
16 Total Residential	197,996,045	229,441,887	\$ 44,851,923	\$ 46,165,877	258,631,119	254,002,144	\$ 51,188,313	\$ 41,778,055	258,631,119	254,002,144	\$ 51,188,313	\$ 41,778,055	258,631,119	254,002,144	\$ 51,188,313	\$ 41,778,055
Non-Residential Programs																
EE Programs																
17 Energy Efficient Lighting	2,357,624	4,993,362	\$ 552,455	\$ 610,362	2,641,574	5,087,824	\$ 442,330	\$ 632,434	2,641,574	5,087,824	\$ 442,330	\$ 632,434	2,641,574	5,087,824	\$ 442,330	\$ 632,434
18 Smart Saver® Non Residential Prescriptive	63,750,610	46,353,186	\$ 11,355,357	\$ 7,863,953	75,650,527	47,511,983	\$ 12,372,044	\$ 8,272,474	75,650,527	47,511,983	\$ 12,372,044	\$ 8,272,474	75,650,527	47,511,983	\$ 12,372,044	\$ 8,272,474
19 Smart Saver® Non-Residential - Custom	21,077,008	12,768,124	\$ 4,302,434	\$ 3,514,807	20,451,120	11,947,765	\$ 4,175,909	\$ 3,861,513	20,451,120	11,947,765	\$ 4,175,909	\$ 3,861,513	20,451,120	11,947,765	\$ 4,175,909	\$ 3,861,513
20 Smart Saver(R) Non Residential Performance Incentive Program	7,520,191	3,104,355	\$ 991,702	\$ 386,339	4,007,622	891,850	\$ 646,501	\$ 225,576	4,007,622	891,850	\$ 646,501	\$ 225,576	4,007,622	891,850	\$ 646,501	\$ 225,576
21 Small Business Energy Saver	38,401,907	23,662,989	\$ 8,304,027	\$ 5,004,816	36,563,955	23,461,416	\$ 7,883,877	\$ 5,575,420	36,563,955	23,461,416	\$ 7,883,877	\$ 5,575,420	36,563,955	23,461,416	\$ 7,883,877	\$ 5,575,420
22 Total for Non-Residential Conservation Programs	133,107,341	90,882,016	\$ 25,505,975	\$ 17,380,276	139,314,798	88,900,839	\$ 25,520,660	\$ 18,567,417	139,314,798	88,900,839	\$ 25,520,660	\$ 18,567,417	139,314,798	88,900,839	\$ 25,520,660	\$ 18,567,417
23 EnergyWise for Business	54,636	548,603	\$ 3,315,403	\$ 1,896,524	54,635	54,238	\$ 3,655,911	\$ 1,358,137	54,635	54,238	\$ 3,655,911	\$ 1,358,137	54,635	54,238	\$ 3,655,911	\$ 1,358,137
24 Commercial, Industrial, Governmental Energy Efficiency (CIG EE, EEB)	-	-	\$ 6,148,693	\$ 1,352,902	-	-	\$ 2,590,719	\$ 5,512,341	-	-	\$ 2,590,719	\$ 5,512,341	-	-	\$ 2,590,719	\$ 5,512,341
25 Total for Non-Residential DSM Programs	54,636	548,603	\$ 9,464,095	\$ 3,249,426	54,635	54,238	\$ 6,246,630	\$ 6,870,478	54,635	54,238	\$ 6,246,630	\$ 6,870,478	54,635	54,238	\$ 6,246,630	\$ 6,870,478
26 Total Non Residential	133,161,976	91,430,619	\$ 34,970,071	\$ 20,629,702	139,369,433	88,955,076	\$ 31,767,291	\$ 25,437,895	139,369,433	88,955,076	\$ 31,767,291	\$ 25,437,895	139,369,433	88,955,076	\$ 31,767,291	\$ 25,437,895
27 Total All Programs	331,158,021	320,872,506	\$ 79,821,994	\$ 66,795,579	398,000,553	342,957,220	\$ 82,955,604	\$ 67,215,950	398,000,553	342,957,220	\$ 82,955,604	\$ 67,215,950	398,000,553	342,957,220	\$ 82,955,604	\$ 67,215,950
(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																
	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost	System Energy Reduction (kWh)	System Energy Reduction (kWh)	Total Cost	Total Cost
28 DSDR	46,476,232	32,097,809	\$ 18,774,903	\$ 16,923,949	48,111,106	36,438,277	\$ 15,383,940	\$ 9,705,577	48,111,106	36,438,277	\$ 15,383,940	\$ 9,705,577	48,111,106	36,438,277	\$ 15,383,940	\$ 9,705,577
29 Total with DSDR	377,634,253	352,970,315	\$ 98,596,897	\$ 83,719,528	446,111,659	379,395,497	\$ 98,339,544	\$ 76,921,527	446,111,659	379,395,497	\$ 98,339,544	\$ 76,921,527	446,111,659	379,395,497	\$ 98,339,544	\$ 76,921,527

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2020

	Product Code	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Incentive	NC Retail kWh Sales Allocation Factor	NC Revenue Requirement	NC LR\$ 2020	NC LR\$ 2021
Residential Energy Assessments									
12873: Home Energy House Call - Smart Thermostat -Elec	HCNSTE	4,381	1,536 \$	11,095 \$	(756)	85.7544161%	\$ 8,866	\$ 29	\$ 299
12874: Home Energy House Call - Smart Thermostat -Only CAC Fuel Htd	HCNSTE	8,504	2,982					\$ 53	\$ 542
12875: Home Energy House Call - Specialty Candelabra LED	HCCNDL	104,344	82,464 \$	- \$	9,483	85.7544161%	\$ 8,132	\$ 1,502	\$ 7,058
12876: Home Energy House Call - Specialty Globe LED	HCGLOB	62,921	49,727 \$	- \$	5,719	85.7544161%	\$ 4,904	\$ 990	\$ 4,348
12877: Home Energy House Call - Specialty Recessed LED	HCRCS D	74,142	58,595 \$	- \$	6,738	85.7544161%	\$ 5,778	\$ 1,184	\$ 5,331
12878: Home Energy House Call - Specialty Showerhead	HCHHSH	23,942	7,976 \$	- \$	917	85.7544161%	\$ 787	\$ 372	\$ 1,703
Power Manager®									
11429: Bring Your Own Thermostat	BYOT		993,665 \$	1,525,883 \$	(61,205)	86.3393647%	\$ 1,264,594		
Energy Efficient Appliances and Devices									
11790: Marketplace Dehumidifier	MPESDH	540	328 \$	251,941 \$	(28,936)	85.7544161%	\$ 191,237	\$ 12	\$ 39

2021

	Product Code	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Incentive	NC Retail kWh Sales Allocation Factor	NC Revenue Requirement	NC LR\$ 2021
Residential Energy Assessments								
12872: Home Energy House Call - Assess Kit w LEDs Blower Door	HCBLRD	3,196	1,526 \$	- \$	176	85.9395647%	\$ 151	\$ 19
12873: Home Energy House Call - Smart Thermostat -Elec	HCNSTE	81,689	24,047 \$	35,178 \$	2	85.9395647%	\$ 30,234	\$ 2,239
12874: Home Energy House Call - Smart Thermostat -Only CAC Fuel Htd	HCNSTE	37,881	11,151					\$ 1,154
12875: Home Energy House Call - Specialty Candelabra LED	HCCNDL	132,242	76,679 \$	4,706 \$	8,277	85.9395647%	\$ 11,157	\$ 3,530
12876: Home Energy House Call - Specialty Globe LED	HCGLOB	94,699	54,940 \$	2,244 \$	6,060	85.9395647%	\$ 7,137	\$ 2,703
12877: Home Energy House Call - Specialty Recessed LED	HCRCS D	110,824	64,292 \$	2,181 \$	7,143	85.9395647%	\$ 8,012	\$ 3,384
12878: Home Energy House Call - Specialty Showerhead	HCHHSH	42,788	13,095 \$	1,374 \$	1,348	85.9395647%	\$ 2,339	\$ 1,060
Power Manager®								
11429: Bring Your Own Thermostat	BYOT		882,669 \$	2,443,378 \$	(179,481)	86.8663950%	\$ 1,966,565	
Energy Efficient Appliances and Devices								
11790: Marketplace Dehumidifier	MPESDH	6,805	2,465 \$	(252,085) \$	29,273	85.9395647%	\$ (191,484)	\$ 192
Low Income Energy Efficiency and Weatherization Assistance								
12759: NES Attic Insulation	HWLI	22,512	29,363 \$	601,722 \$	(63,203)	85.9395647%	\$ 462,801	\$ 403
12760: NES Air Sealing	HWLI	6,049	4,953					\$ 95
12761: NES Duct Sealing	HWLI	12,742	12,981					\$ 176
12762: NES Smart Thermostat	HWLI	16,080	4,836					\$ 270
Small Business Energy Saver								
13714: SBBDIR C&I Equipment	SMTPTH	5,723	2,563 \$	390,096 \$	(8,702)	85.9395647%	\$ 327,769	\$ 1
13800: SMTPTH Lighting DusktoDawn	SMTPTH	76,962	26,626					\$ -
13801: SMTPTH Lighting Daylighting	SMTPTH	444,713	285,242					\$ 1,346

For Product Code HCNSTE, Incentive calculated on one measure using combined Avoided Costs and Program costs
Product Codes HWLI and MFEESH include other measures not included here that were previously existing prior to 2020. Thus costs are overstated compared to avoided costs in this view.

Historical (and projected for 2023 and 2024) North Carolina Energy Savings for MyHER Program

Year (Rider Rate Period)	Rider Docket	Projected/Provisional System Participants (Rider Application for the given Year)	System Annual Savings (kwh) per Participant Presented in Rider Application for the year	Total Projected System Savings as Presented in Rider Application	Actual System Participants based on adjustments made after initial application	Final Annual System Savings per Participant (if changed from EM&V after initial application)	Actual Total System Savings Attributed to the Program	NC Allocation Factor	NC Projected/Provisional Participants (Rider Application for the given Year)	NC Annual Savings (kwh) per Participant Presented in Rider Application for the year	Total NC Projected Savings as Presented in Rider Application	Actual NC Participants based on adjustments made after initial application	Final NC Annual Savings per Participant (if changed from EM&V after initial application)	Actual Total NC Savings Attributed to the Program
2017	E-2 Sub 1108	682,300	196.27	133,916,899	795,734	145.44	115,733,625	85.51%	583,423	196.27	114,510,046	680,419	145.44	98,961,840
2018	E-2 Sub 1145	673,400	197.35	132,895,213	827,741	195.54	161,852,803	85.56%	576,167	197.35	113,706,297	708,222	195.54	138,482,662
2019	E-2 Sub 1174	797,000	149.65	119,273,463	769,490	198.69	152,888,746	85.63%	682,500	149.65	102,138,222	658,942	198.69	130,924,216
2020	E-2 Sub 1206	780,250	148.73	116,045,885	769,399	199.23	153,286,583	85.75%	669,099	148.73	99,514,471	659,794	199.23	131,450,014
2021	E-2 Sub 1252	780,250	208.24	162,483,097	792,333	235.31	186,446,714	85.94%	670,543	208.24	139,637,266	680,928	235.31	160,231,495
2022	E-2 Sub 1273	786,175	199.90	157,153,012				85.91%	675,433	199.90	135,016,178			
2023	E-2 Sub 1294	782,640	229.67	179,747,685				86.22%	674,831	229.67	154,987,286			
2024	TBD	784,364	197.31	154,765,655				86.22%	676,317	197.31	133,446,552			

Savings are in kwh net at plant
kwh savings per participant represent blend of MyHER and MF MyHER measures. Participation mix impacts the savings.

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Year (Rider Rate Year)	Actual* NC Net Lost Revenues attributed to the MyHER program	Actual* System Total program costs/expenditures	Actual* System PPI	Allocation Factor	NC Allocated Program Costs	NC Allocated PPI
2017	\$ 5,945,619	\$ 6,753,153	\$ 10,022	85.51%	\$ 5,774,506	\$ 8,569
2018	\$ 7,605,727	\$ 7,687,891	\$ 230,305	85.56%	\$ 6,577,826	\$ 197,051
2019	\$ 8,989,654	\$ 6,299,307	\$ 610,462	85.63%	\$ 5,394,327	\$ 522,761
2020	\$ 9,210,111	\$ 7,369,336	\$ 395,310	85.75%	\$ 6,319,531	\$ 338,996
2021	\$ 11,825,124	\$ 4,152,580	\$ 618,001	85.94%	\$ 3,568,710	\$ 531,107
2022	\$ 9,262,304	\$ 7,073,989	\$ 387,490	85.91%	\$ 6,077,536	\$ 332,908
2023	\$ 10,141,666	\$ 4,436,641	\$ 702,551	86.22%	\$ 3,825,490	\$ 605,774
2024	\$ 7,787,055	\$ 4,712,014	\$ 652,095	86.22%	\$ 4,062,930	\$ 562,268

* For years when final adjustments were not available, provide estimates/projections and indicate as estimates.

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MyHER Customer Account Participation - Total and New Participants

Year (Rider Rate Year)	Total System Participants (actual or provisional)	Estimated System Participants participating in program for first time	NC Allocation Factor	Total NC Participants (actual or provisional)	Estimated NC Participants participating in program for first time
2017	795,734	201,218	85.51%	680,419	172,058
2018	827,741	110,148	85.56%	708,222	94,244
2019	769,490	47,668	85.63%	658,942	40,820
2020	769,399	99,113	85.75%	659,794	84,994
2021	792,333	126,242	85.94%	680,928	108,492
2022	786,175	157,299	85.91%	675,433	135,142
2023	782,640	127,369	86.22%	674,831	109,824
2024	784,364	127,650	86.22%	676,317	110,066

