

Residential Programs											
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor	NC Allocation Factor (2)	NC Residential Revenue Requirement	NC Residential Adjusted Revenue Requirement
EE Programs											
1 Appliance Recycling Program	21	164,720	\$ 59,758	\$ (97,397)	11.5%	\$ 18,073	\$ (79,324)	73.0962827%	E1 * F1	\$ (57,983)	
2 Energy Efficiency Education	1,512	6,441,283	\$ 3,695,507	\$ 2,126,509	11.5%	\$ 180,435	\$ 2,306,944	73.0962827%	E2 * F2	\$ 1,686,290	
3 Energy Efficient Appliances and Devices	14,518	120,226,223	\$ 82,262,218	\$ 24,069,774	11.5%	\$ 6,692,131	\$ 30,761,905	73.0962827%	E3 * F3	\$ 22,485,809	
4 HVAC Energy Efficiency	2,462	6,294,837	\$ 7,476,100	\$ 7,839,566	11.5%	\$ (41,799)	\$ 7,797,767	73.0962827%	E4 * F4	\$ 5,699,878	
5 Low Income Energy Efficiency and Weatherization Assistance	669	4,891,678	\$ 2,884,760	\$ 4,792,436	0.0%	\$ 4,792,436	\$ 4,792,436	73.0962827%	E5 * F5	\$ 3,502,093	
6 Multi-Family Energy Efficiency	1,572	15,335,697	\$ 8,950,706	\$ 2,518,988	11.5%	\$ 739,648	\$ 3,258,639	73.0962827%	E6 * F6	\$ 2,381,941	
7 Residential Energy Assessments	1,070	7,389,091	\$ 6,822,806	\$ 2,678,893	11.5%	\$ 476,550	\$ 3,155,443	73.0962827%	E7 * F7	\$ 2,306,512	
8 Total for Residential Conservation Programs	21,804	160,553,127	\$ 112,251,855	\$ 43,928,769		\$ 8,065,038	\$ 51,993,807			\$ 38,005,540	
9 My Home Energy Report	70,977	282,250,993	\$ 20,409,636	\$ 10,822,444	11.5%	\$ 1,102,537	\$ 11,924,971	73.0962827%	E9 * F9	\$ 8,716,711	\$ (1,204)
10 Total Residential Conservation and Behavioral Programs	92,782	442,804,121	\$ 132,661,491	\$ 54,751,213		\$ 9,167,565	\$ 63,918,778			\$ 46,722,251	\$ (1,204)
NC Residential Peak Demand Allocation Factor											
11 Total DSM Programs(2)	825,492	718,623	\$ 98,643,760	\$ 28,406,298	11.5%	\$ 8,077,308	\$ 36,483,606		33.797348%	E11 * F11	\$ 12,330,491
12 Total Residential	918,274	443,522,744	\$ 231,305,251	\$ 83,157,511		\$ 17,444,873	\$ 100,407,384			\$ 59,052,742	
Non-Residential Programs											
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor		NC Non-Residential Revenue Requirement	
EE Programs											
13 Non Residential Smart Saver Custom Technical Assessments	1,584	16,953,402	\$ 9,572,687	\$ 2,034,308	11.5%	\$ 866,914	\$ 2,901,222	73.0962827%	E12 * F12	\$ 2,120,685	
14 Non Residential Smart Saver Custom	7,934	52,154,624	\$ 39,025,086	\$ 7,356,509	11.5%	\$ 3,629,838	\$ 10,986,347	73.0962827%	E13 * F13	\$ 8,030,611	
15 Non Residential Smart Saver Energy Efficient Food Service Products	356	3,809,316	\$ 2,474,312	\$ 324,117	11.5%	\$ 247,272	\$ 571,389	73.0962827%	E14 * F14	\$ 417,664	
16 Non Residential Smart Saver Energy Efficient HVAC Products	808	3,316,901	\$ 3,344,669	\$ 1,473,991	11.5%	\$ 215,128	\$ 1,689,119	73.0962827%	E16 * F16	\$ 1,234,683	
17 Non Residential Smart Saver Energy Efficient Lighting Products	29,588	107,347,422	\$ 120,392,639	\$ 39,622,944	11.5%	\$ 9,288,515	\$ 48,911,459	73.0962827%	E17 * F17	\$ 35,752,458	
18 Non Residential Smart Saver Energy Efficient Pumps and Drives Products	368	2,494,340	\$ 1,574,965	\$ 471,930	11.5%	\$ 126,849	\$ 598,779	73.0962827%	E18 * F18	\$ 437,685	
19 Non Residential Energy Efficient ITEE	107	2,462,027	\$ 777,601	\$ 285,430	11.5%	\$ 56,600	\$ 342,030	73.0962827%	E19 * F19	\$ 250,011	
20 Non Residential Smart Saver Energy Efficient Process Equipment Products	50	313,131	\$ 279,184	\$ 125,947	11.5%	\$ 17,622	\$ 143,569	73.0962827%	E20 * F20	\$ 104,944	
21 Smart Saver(R) Non Residential Performance Incentive Program	-	-	\$ -	\$ 35,670	11.5%	\$ (4,102)	\$ 31,568	73.0962827%	E21 * F21	\$ 23,075	
22 Small Business Energy Saver	16,110	85,687,528	\$ 55,685,830	\$ 15,360,852	11.5%	\$ 4,637,372	\$ 19,998,224	73.0962827%	E22 * F22	\$ 14,617,959	
23 Smart Energy in Offices	3,505	16,842,267	\$ 1,943,759	\$ 1,061,729	11.5%	\$ 89,911	\$ 1,151,640	73.0962827%	E23 * F23	\$ 843,806	
24 Business Energy Report	388	5,561,349	\$ 302,497	\$ 263,169	11.5%	\$ 263,169	\$ 263,169	73.0962827%	E24 * F24	\$ 192,367	
25 Total for Non-Residential Conservation Programs	60,480	356,937,707	\$ 235,273,030	\$ 68,416,596		\$ 19,171,918	\$ 87,588,514			\$ 64,023,948	
NC Non-Residential Peak Demand Allocation Factor											
26 Total DSM Programs(2)	825,492	718,623	\$ 98,643,760	\$ 28,406,298	11.5%	\$ 8,077,308	\$ 36,483,606	40.8166437%		\$ 14,891,384	
27 Total Non-Residential Revenue Requirement	885,972	357,656,330	\$ 333,916,790	\$ 96,822,894		\$ 27,249,226	\$ 124,072,120			\$ 78,915,332	
28 Total All Programs	1,804,245	801,179,074	\$ 565,222,040	\$ 179,980,405		\$ 44,494,099	\$ 224,474,504			\$ 137,968,074	\$ (1,204)
NC Non-Residential Peak Demand Allocation Factor											
29 Power Manager (Residential)	455,393	-	\$ 54,179,776	\$ 13,644,970	11.5%	\$ 4,661,503	\$ 18,306,473				
30 EnergyWise for Business	1,199	718,623	\$ 1,199,590	\$ 574,304	11.5%	\$ 11,993	\$ 470,304				
30 PowerShare®	368,900	-	\$ 43,889,394	\$ 14,291,024	11.5%	\$ 3,403,812	\$ 17,694,836				
31 Total DSM Program Breakdown	825,492	718,623	\$ 98,643,760	\$ 28,406,298		\$ 8,077,308	\$ 36,483,606	74.6139917%		\$ 27,221,875	

(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

Load Impacts and Estimated Revenue Requirements by Program

			A	B	C	D	E	F	G	H		
						=(A-B)*C	=(B-D)					
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor	NC Allocation Factor (2)	NC Residential Revenue Requirement	NC Residential Adjusted Revenue Requirement	
Residential Programs												
EE Programs												
1 Appliance Recycling Program			\$	\$	11.5%	\$	(610)	\$	4,697	E1 * F1	\$	3,420
2 Energy Efficiency Education	1,393	5,932,086	\$	3,597,724	11.5%	\$	174,813	\$	2,252,424	E2 * F2	\$	1,639,962
3 Energy Efficient Appliances and Devices	24,605	137,909,103	\$	105,352,687	11.5%	\$	8,626,375	\$	38,967,103	E3 * F3	\$	28,371,461
4 HVAC Energy Efficiency	1,850	6,712,977	\$	7,287,263	11.5%	\$	(13,347)	\$	7,389,980	E4 * F4	\$	5,380,552
5 Income Qualified Energy Efficiency and Weatherization Assistance	771	5,341,624	\$	3,185,867	0.0%	\$	-	\$	5,505,992	E5 * F5	\$	4,008,844
6 Multi-Family Energy Efficiency	2,056	19,038,529	\$	13,539,656	11.5%	\$	1,191,692	\$	4,361,114	E6 * F6	\$	3,175,272
7 Energy Assessments	1,040	7,720,549	\$	6,602,773	11.5%	\$	424,773	\$	3,333,871	E7 * F7	\$	2,427,350
8 Total for Residential Conservation Programs	31,715	182,654,868	\$	139,565,970		\$	10,404,695	\$	61,815,181		\$	45,006,861
9 My Home Energy Report	76,632	307,515,903	\$	21,434,622	11.5%	\$	876,573	\$	14,688,823	E9 * F9	\$	10,694,748
10 Total Residential Conservation and Behavioral Programs	108,347	490,170,771	\$	161,000,592		\$	11,281,268	\$	76,504,004		\$	55,701,609
				\$							\$	(24,596)
				\$							\$	(24,596)
NC Residential Peak Demand Allocation Factor												
11 Total DSM Programs(2)	846,041	2,943,906	\$	105,087,510	11.5%	\$	8,655,459	\$	38,478,111	E11 * F11	\$	13,008,491
12 Total Residential	955,288	493,114,677	\$	266,088,102		\$	19,936,727	\$	114,982,115		\$	68,710,100
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(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Carolinas
Fields Exhibit 1
Vintage 2018 True Up - January 1, 2018 to December 31, 2018
Docket Number E-7 Sub 1285
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H			
				=(A-B)*C	=(B*D)						
	System kW Reduction - Summer	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor	NC Allocation Factor (2)	NC Residential Revenue Requirement	
Residential Programs											
EE Programs											
1 Energy Efficiency Education	967	5,530,707	\$ 2,863,491	\$ 1,992,260	11.5%	\$ 100,192	\$ 2,092,451	72.7130507%	E1 * F1	\$ 1,521,485	
2 Energy Efficient Appliances and Devices	35,125	194,356,910	\$ 137,695,195	\$ 42,687,244	11.5%	\$ 10,925,914	\$ 53,613,158	72.7130507%	E2 * F2	\$ 38,983,763	
3 HVAC Energy Efficiency	1,640	6,367,174	\$ 7,088,494	\$ 6,955,146	11.5%	\$ 15,335	\$ 6,970,481	72.7130507%	E3 * F3	\$ 5,068,449	
4 Low Income Energy Efficiency and Weatherization Assistance	888	6,845,653	\$ 4,253,631	\$ 6,490,735	0.0%	\$ -	\$ 6,490,735	72.7130507%	E4 * F4	\$ 4,719,611	
5 Multi-Family Energy Efficiency	2,336	20,923,363	\$ 13,614,922	\$ 3,604,921	11.5%	\$ 1,151,150	\$ 4,756,071	72.7130507%	E5 * F5	\$ 3,458,285	
6 Residential Energy Assessments	929	7,716,668	\$ 5,756,868	\$ 2,836,229	11.5%	\$ 335,874	\$ 3,172,102	72.7130507%	E6 * F6	\$ 2,306,532	
7 Total for Residential Conservation Programs	41,885	241,740,474	\$ 171,272,602	\$ 64,566,534		\$ 12,528,465	\$ 77,094,999			\$ 56,058,125	
8 My Home Energy Report	93,425	340,819,517	\$ 22,236,642	\$ 12,765,286	11.5%	\$ 1,089,206	\$ 13,854,492	72.7130507%	E8 * F8	\$ 10,074,024	
9 Total Residential Conservation and Behavioral Programs	135,309	582,559,991	\$ 193,509,244	\$ 77,331,820		\$ 13,617,671	\$ 90,949,491			\$ 66,132,149	
NC Residential Peak Demand Allocation Factor											
10 Power Manager®	533,506	-	\$ 61,923,998	\$ 14,423,610	11.5%	\$ 5,462,545	\$ 19,886,154	73.6287551%	43.675154%	(E10+E26) * F10 * G10	\$ 12,360,441
11 Total Residential	668,816	582,559,991	\$ 255,433,242	\$ 91,755,430		\$ 19,080,215	\$ 110,835,645				\$ 78,492,590
Non-Residential Programs											
EE Programs											
12 Non Residential Smart Saver Custom Technical Assessments	13	83,588	\$ 67,306	\$ 407,293	11.5%	\$ (39,099)	\$ 368,195	72.7130507%	E12 * F12	\$ 267,726	
13 Non Residential Smart Saver Custom	4,054	30,333,040	\$ 23,321,911	\$ 6,068,902	11.5%	\$ 1,984,096	\$ 8,052,998	72.7130507%	E13 * F13	\$ 5,855,580	
14 Non Residential Smart Saver Energy Efficient Food Service Products	59	744,066	\$ 433,191	\$ 235,605	11.5%	\$ 22,722	\$ 258,327	72.7130507%	E14 * F14	\$ 187,838	
15 Non Residential Smart Saver Energy Efficient HVAC Products	893	2,908,386	\$ 2,810,153	\$ 1,620,748	11.5%	\$ 136,782	\$ 1,757,530	72.7130507%	E16 * F16	\$ 1,277,953	
16 Non Residential Smart Saver Energy Efficient Lighting Products	31,548	177,845,339	\$ 146,378,119	\$ 25,872,380	11.5%	\$ 13,858,160	\$ 39,730,540	72.7130507%	E17 * F17	\$ 28,889,288	
17 Non Residential Smart Saver Energy Efficient Pumps and Drives Products	421	2,669,016	\$ 1,617,740	\$ 277,785	11.5%	\$ 154,095	\$ 431,880	72.7130507%	E18 * F18	\$ 314,033	
18 Non Residential Energy Efficient ITEE	-	17,639	\$ 3,025	\$ 36,875	11.5%	\$ (3,893)	\$ 32,982	72.7130507%	E19 * F19	\$ 23,982	
19 Non Residential Smart Saver Energy Efficient Process Equipment Products	75	331,222	\$ 226,724	\$ 67,509	11.5%	\$ 18,310	\$ 85,819	72.7130507%	E20 * F20	\$ 62,402	
20 Smart Saver(R) Non Residential Performance Incentive Program	168	3,271,186	\$ 1,671,783	\$ 479,610	11.5%	\$ 137,100	\$ 616,710	72.7130507%	E21 * F21	\$ 448,429	
21 Small Business Energy Saver	13,374	76,696,523	\$ 46,832,675	\$ 15,977,993	11.5%	\$ 3,548,288	\$ 19,526,282	72.7130507%	E22 * F22	\$ 14,198,155	
22 Smart Energy in Offices	310	1,488,592	\$ 143,284	\$ 219,748	11.5%	\$ (8,793)	\$ 210,954	72.7130507%	E23 * F23	\$ 153,391	
23 Total for Non-Residential Conservation Programs	50,914	296,388,596	\$ 223,505,910	\$ 51,264,448		\$ 19,807,768	\$ 71,072,216			\$ 51,678,777	
NC Non-Residential Peak Demand Allocation Factor											
24 EnergyWise for Business	7,999	2,599,904	\$ 2,279,951	\$ 3,062,816	11.5%	\$ (90,029)	\$ 2,972,787	73.6287551%			
25 PowerShare®	332,631	-	\$ 36,012,634	\$ 12,922,977	11.5%	\$ 2,655,311	\$ 15,578,288	73.6287551%			
26 Total for Non-Residential DSM Programs	340,629	2,599,904	\$ 38,292,585	\$ 15,985,794		\$ 2,565,281	\$ 18,551,075	73.6287551%	56.324846%	(E10+E26) * F26 * G26	\$ 15,940,412
27 Total Non Residential	391,543,87415	298,988,500	\$ 261,798,495	\$ 67,250,242		\$ 22,373,049	\$ 89,623,291			\$ 67,619,189	
28 Total All Programs	1,060,369	881,548,492	\$ 517,231,737	\$ 159,005,671		\$ 41,453,264	\$ 200,458,936			\$ 146,111,779	

(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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Duke Energy Carolinas
Fields Exhibit 1
Vintage 2019 True Up - January 1, 2019 to December 31, 2019
Docket Number E-7 Sub 1285
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H		
				=(A-B)*C		=(B-D)				
Residential Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor	NC Allocation Factor (2)	NC Residential Revenue Requirement
EE Programs										
1 Energy Efficiency Education	841	6,713,787	\$ 2,519,645	\$ 1,644,077	11.5%	\$ 100,690	\$ 1,744,767	73.0903918%		E1 * F1 \$ 1,275,257
2 Energy Efficient Appliances and Devices	31,844	187,571,870	\$ 102,716,013	\$ 40,433,533	11.5%	\$ 7,162,485	\$ 47,596,018	73.0903918%		E2 * F2 \$ 34,788,116
3 HVAC Energy Efficiency	2,029	7,329,114	\$ 7,079,940	\$ 7,402,907	11.5%	\$ (37,141)	\$ 7,365,766	73.0903918%		E3 * F3 \$ 5,383,667
4 Low Income Energy Efficiency and Weatherization Assistance	967	6,442,193	\$ 2,800,084	\$ 7,344,325	0.0%	\$ -	\$ 7,344,325	73.0903918%		E4 * F4 \$ 5,367,996
5 Multi-Family Energy Efficiency	2,610	21,339,210	\$ 10,815,659	\$ 3,681,262	11.5%	\$ 820,456	\$ 4,501,718	73.0903918%		E5 * F5 \$ 3,290,323
6 Residential Energy Assessments	946	7,886,916	\$ 4,413,585	\$ 3,153,757	11.5%	\$ 144,880	\$ 3,298,637	73.0903918%		E6 * F6 \$ 2,410,987
7 Total for Residential Conservation Programs	39,238	237,283,091	\$ 130,344,926	\$ 63,659,861		\$ 8,191,370	\$ 71,851,232			\$ 52,516,346
8 My Home Energy Report	89,435	325,184,686	\$ 22,952,523	\$ 10,558,344	11.5%	\$ 1,425,331	\$ 11,983,674	73.0903918%		E8 * F8 \$ 8,758,914
9 Total Residential Conservation and Behavioral Programs	128,672	562,467,777	\$ 153,297,448	\$ 74,218,205		\$ 9,616,701	\$ 83,834,906			\$ 61,275,260
								NC Residential Peak Demand Allocation Factor		
10 Power Manager*	568,235	-	\$ 69,783,157	\$ 13,386,942	11.5%	\$ 6,485,565	\$ 19,872,507	74.2414264%	45.955615%	(E10+E26) *F10 *G10 \$ 13,609,686
11 Total Residential	696,908	562,467,777	\$ 223,080,605	\$ 87,605,147		\$ 16,102,266	\$ 103,707,413			\$ 74,884,946
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor		NC Non-Residential Revenue Requirement
Non-Residential Programs										
EE Programs										
12 Non Residential Energy Efficient ITTEE	-	11,262	\$ 1,385	\$ 44,335	11.5%	\$ (4,939)	\$ 39,395	73.0903918%		E12 * F12 \$ 28,794
13 Non Residential Smart Saver Custom	10,109	52,522,612	\$ 35,884,367	\$ 8,873,872	11.5%	\$ 3,106,207	\$ 11,980,079	73.0903918%		E13 * F13 \$ 8,756,287
14 Non Residential Smart Saver Custom Technical Assessments	148	1,930,762	\$ 691,285	\$ 296,006	11.5%	\$ 45,457	\$ 341,463	73.0903918%		E14 * F14 \$ 249,577
15 Non Residential Smart Saver Energy Efficient Food Service Products	77	985,314	\$ 406,024	\$ 339,996	11.5%	\$ 7,593	\$ 347,589	73.0903918%		E16 * F16 \$ 254,054
16 Non Residential Smart Saver Energy Efficient HVAC Products	1,697	7,535,327	\$ 5,519,013	\$ 2,208,364	11.5%	\$ 380,725	\$ 2,589,088	73.0903918%		E17 * F17 \$ 1,892,375
17 Non Residential Smart Saver Energy Efficient Lighting Products	29,566	163,560,290	\$ 105,608,459	\$ 20,834,766	11.5%	\$ 9,748,975	\$ 30,583,741	73.0903918%		E18 * F18 \$ 22,353,776
18 Non Residential Smart Saver Energy Efficient Process Equipment Products	111	732,043	\$ 416,343	\$ 119,843	11.5%	\$ 34,097	\$ 153,941	73.0903918%		E19 * F19 \$ 112,516
19 Non Residential Smart Saver Energy Efficient Pumps and Drives Products	232	1,464,266	\$ 722,433	\$ 189,172	11.5%	\$ 61,325	\$ 250,497	73.0903918%		E20 * F20 \$ 183,089
20 Smart Saver(R) Non Residential Performance Incentive Program	391	4,545,995	\$ 2,238,186	\$ 785,165	11.5%	\$ 167,097	\$ 952,262	73.0903918%		E21 * F21 \$ 696,012
21 Small Business Energy Saver	10,403	57,747,534	\$ 28,628,598	\$ 11,421,399	11.5%	\$ 1,978,828	\$ 13,400,227	73.0903918%		E22 * F22 \$ 9,794,278
22 Smart Energy in Offices	-	-	\$ -	\$ -	11.5%	\$ -	\$ -	73.0903918%		E23 * F23 \$ -
23 Total for Non-Residential Conservation Programs	52,735	291,035,406	\$ 180,116,093	\$ 45,112,917		\$ 15,525,365	\$ 60,638,283			\$ 44,320,758
								NC Non-Residential Peak Demand Allocation Factor		
24 EnergyWise for Business	11,714	5,135,154	\$ 3,395,640	\$ 3,687,462	11.5%	\$ (33,560)	\$ 3,653,902	74.2414264%		
25 PowerShare*	342,590	-	\$ 42,072,382	\$ 13,022,816	11.5%	\$ 3,340,700	\$ 16,363,516	74.2414264%		
26 Total for Non-Residential DSM Programs	354,304	5,135,154	\$ 45,468,022	\$ 16,710,278		\$ 3,307,141	\$ 20,017,419	74.2414264%	54.044385%	(E10+E26) *F26 *G26 \$ 16,005,163
27 Total Non Residential	407,039	296,170,559	\$ 225,584,116	\$ 61,823,195		\$ 18,832,506	\$ 80,655,701			\$ 60,325,921
28 Total All Programs	1,103,947	858,638,336	\$ 448,664,721	\$ 149,428,343		\$ 34,934,771	\$ 184,363,114			\$ 135,210,868

(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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Docket Number E-7 Sub 1285
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H		
				=(A-B)*C				=(B+D)		
Residential Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor	NC Allocation Factor (2)	NC Residential Revenue Requirement
EE Programs										
1 Energy Efficiency Education	(276)	4,746,423	\$ 1,234,203	\$ 1,113,485	11.5%	\$ 13,883	\$ 1,127,367	73.2212736%		E1 * F1 \$ 825,473
2 Energy Efficient Appliances and Devices	16,975	110,986,906	\$ 62,028,986	\$ 22,124,101	11.5%	\$ 4,589,062	\$ 26,713,163	73.2212736%		E2 * F2 \$ 19,559,718
3 HVAC Energy Efficiency	2,190	7,689,428	\$ 7,811,427	\$ 7,538,303	11.5%	\$ 31,409	\$ 7,569,712	73.2212736%		E3 * F3 \$ 5,542,640
4 Low Income Energy Efficiency and Weatherization Assistance	214	1,238,118	\$ 773,651	\$ 2,787,490	0.0%	\$ -	\$ 2,787,490	73.2212736%		E4 * F4 \$ 2,041,036
5 Multi-Family Energy Efficiency	522	4,042,084	\$ 2,156,883	\$ 1,613,839	11.5%	\$ 62,450	\$ 1,676,289	73.2212736%		E5 * F5 \$ 1,227,400
6 Residential Energy Assessments	944	7,891,628	\$ 4,582,748	\$ 3,358,880	11.5%	\$ 140,745	\$ 3,499,625	73.2212736%		E6 * F6 \$ 2,562,470
7 Total for Residential Conservation Programs	20,570	136,594,586	\$ 78,587,898	\$ 38,536,099		\$ 4,837,548	\$ 43,373,647			\$ 31,758,737
8 My Home Energy Report	90,279	328,510,581	\$ 23,467,660	\$ 12,749,651	11.5%	\$ 1,232,571	\$ 13,982,222	73.2212736%		E8 * F8 \$ 10,237,961
9 Total Residential Conservation and Behavioral Programs	110,849	465,105,167	\$ 102,055,558	\$ 51,285,750		\$ 6,070,119	\$ 57,355,869			\$ 41,996,698
								NC Residential Peak Demand Allocation Factor		
10 Power Manager*	593,227	-	\$ 74,785,083	\$ 14,303,277	11.5%	\$ 6,955,408	\$ 21,258,684	74.1953449%	45.442653%	(E10+E26) *F10 *G10 \$ 13,099,702
11 Total Residential	704,075	465,105,167	\$ 176,840,640	\$ 65,589,027		\$ 13,025,527	\$ 78,614,554			\$ 55,096,400
Non-Residential Programs	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	Incentive	System Revenue Requirement	NC Retail kWh Sales Allocation Factor		NC Non-Residential Revenue Requirement
EE Programs										
12 Non Residential Energy Efficient ITEE	-	9,917	\$ 1,734	\$ 15,179	11.5%	\$ (1,546)	\$ 13,632	73.2212736%		E12 * F12 \$ 9,982
13 Non Residential Smart Saver Custom	4,785	21,156,703	\$ 15,898,503	\$ 5,771,790	11.5%	\$ 1,164,572	\$ 6,936,362	73.2212736%		E13 * F13 \$ 5,078,893
14 Non Residential Smart Saver Custom Technical Assessments	76	1,413,836	\$ 518,862	\$ 330,629	11.5%	\$ 21,647	\$ 352,275	73.2212736%		E14 * F14 \$ 257,941
15 Non Residential Smart Saver Energy Efficient Food Service Products	33	479,609	\$ 216,824	\$ 533,411	11.5%	\$ (36,407)	\$ 497,004	73.2212736%		E16 * F16 \$ 363,912
16 Non Residential Smart Saver Energy Efficient HVAC Products	1,683	9,273,190	\$ 7,425,418	\$ 2,450,713	11.5%	\$ 572,091	\$ 3,022,804	73.2212736%		E17 * F17 \$ 2,213,336
17 Non Residential Smart Saver Energy Efficient Lighting Products	18,365	109,556,031	\$ 71,995,510	\$ 13,098,851	11.5%	\$ 6,773,116	\$ 19,871,967	73.2212736%		E18 * F18 \$ 14,550,507
18 Non Residential Smart Saver Energy Efficient Process Equipment Products	206	567,122	\$ 236,299	\$ 29,681	11.5%	\$ 23,761	\$ 53,442	73.2212736%		E19 * F19 \$ 39,131
19 Non Residential Smart Saver Energy Efficient Pumps and Drives Products	225	1,403,243	\$ 758,367	\$ 167,464	11.5%	\$ 67,954	\$ 235,418	73.2212736%		E20 * F20 \$ 172,376
20 Smart Saver(R) Non Residential Performance Incentive Program	223	5,961,326	\$ 2,035,780	\$ 751,724	11.5%	\$ 147,666	\$ 899,391	73.2212736%		E21 * F21 \$ 658,545
21 Small Business Energy Saver	5,718	30,315,123	\$ 15,587,393	\$ 6,933,130	11.5%	\$ 995,240	\$ 7,928,730	73.2212736%		E22 * F22 \$ 5,805,254
22 Smart Energy in Offices	-	-	\$ -	\$ -	11.5%	\$ -	\$ -	73.2212736%		E23 * F23 \$ -
23 Total for Non-Residential Conservation Programs	31,314	180,136,100	\$ 114,674,690	\$ 30,082,573		\$ 9,728,094	\$ 39,810,666			\$ 29,149,877
								NC Non-Residential Peak Demand Allocation Factor		
24 EnergyWise for Business	11,854	2,602,452	\$ 2,504,602	\$ 2,941,282	11.5%	\$ (50,218)	\$ 2,891,064	74.1953449%		
25 PowerShare*	276,583	-	\$ 34,867,428	\$ 12,082,697	11.5%	\$ 2,620,244	\$ 14,702,941	74.1953449%		
26 Total for Non-Residential DSM Programs	288,437	2,602,452	\$ 37,372,030	\$ 15,023,979		\$ 2,570,026	\$ 17,594,004	74.1953449%	54.557347%	(E10+E26) *F26 *G26 \$ 15,727,184
27 Total Non Residential	319,751	182,738,552	\$ 152,046,720	\$ 45,106,551		\$ 12,298,119	\$ 57,404,671			\$ 44,877,061
28 Total All Programs	1,023,826	647,843,719	\$ 328,887,360	\$ 110,695,578		\$ 25,323,646	\$ 136,019,225			\$ 99,973,461

(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

A **B** **C**

(2) Total System DSM programs allocated to Residential and Non-Residential based on contribution to retail system peak

Duke Energy Carolinas
Fields Exhibit 1
Vintage 2022 True Up - January 1, 2022 to December 31, 2022
Docket Number E-7, Sub 1285
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F	G	H	I			
						=A*C*D*UCT Ratio	=(A-B)*C*D					
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (KWH)	System NPV of Avoided Costs	Total Cost	Shared Savings %	NC Retail kWh Sales Allocation Factor	NC Allocated Total Cost	NC PRI	NC PPI	NC PPI Cap Reduction	NC Revenue Requirement
Residential Programs												
EE Programs												
1 Energy Efficiency Education	(996)	33	5,862,809	\$ 1,329,554	\$ 1,092,967	10.6%	73.8925998%	\$ 807,622		\$ 18,531		\$ 826,153
2 Energy Efficient Appliances and Devices	14,451	11,966	95,753,301	\$ 50,016,991	\$ 16,531,134	10.6%	73.8925998%	\$ 12,215,284		\$ 2,622,818		\$ 14,838,103
3 Low Income Energy Efficiency and Weatherization Assistance	1,053	1,006	3,553,027	\$ 3,281,889	\$ 7,184,505	10.6%	73.8925998%	\$ 5,308,817	\$ 156,298			\$ 5,465,116
4 Multi-Family Energy Efficiency	737	961	5,374,930	\$ 2,788,411	\$ 995,923	10.6%	73.8925998%	\$ 735,913		\$ 140,399		\$ 876,312
5 Residential Energy Assessments	581	451	5,120,221	\$ 2,720,722	\$ 2,497,450	10.6%	73.8925998%	\$ 1,845,430		\$ 17,488		\$ 1,862,918
6 Residential New Construction	163	168	505,459	\$ 659,766	\$ 397,283	10.6%	73.8925998%	\$ 293,563		\$ 20,559		\$ 314,122
7 Residential Smart Saver Energy Efficiency	2,563	2,626	9,382,811	\$ 8,805,522	\$ 7,706,916	10.6%	73.8925998%	\$ 5,694,840		\$ 86,050		\$ 5,780,890
8 Total for Residential Conservation Programs	18,553	17,210	125,552,558	\$ 69,602,854	\$ 36,406,176			\$ 26,901,470	\$ 156,298	\$ 2,905,845	\$ -	\$ 29,963,614
9 My Home Energy Report	67,095	53,733	361,618,365	\$ 18,862,829	\$ 6,346,116	10.6%	73.8925998%	\$ 4,689,310		\$ 980,386		\$ 5,669,696
10 Total Residential Conservation and Behavioral Programs	85,647	70,943	487,170,923	\$ 88,465,683	\$ 42,752,292			\$ 31,590,780	\$ 156,298	\$ 3,886,231	\$ -	\$ 35,633,310
NC Residential Peak Demand Allocation Factor												
11 Power Manager*	573,826	12,416	-	\$ 73,997,721	\$ 17,825,199	10.6%	72.9576004%	\$ 13,004,838		\$ 4,344,105		\$ 17,348,943
12 Total Residential Demand Response Programs	573,826	12,416	-	\$ 73,997,721	\$ 17,825,199	10.6%	72.9576004%	\$ 13,004,838	\$ -	\$ 4,344,105	\$ (904,329)	\$ 16,444,614
12 Total Residential	659,473	83,359	487,170,923	\$ 162,463,404	\$ 60,577,492			\$ 44,595,618	\$ 156,298	\$ 8,230,336	\$ (904,329)	\$ 52,077,923
Non-Residential Programs												
EE Programs												
13 Non Residential Energy Efficient ITEE	-	-	97,843	\$ 19,013	\$ 22,596	10.6%	73.8925998%	\$ 16,697		\$ (281)		\$ 16,416
14 Non Residential Smart Saver Custom	4,213	3,700	21,230,192	\$ 14,657,385	\$ 6,629,597	10.6%	73.8925998%	\$ 4,898,782		\$ 628,786		\$ 5,527,567
15 Non Residential Smart Saver Custom Technical Assessments	60	111	822,162	\$ 487,004	\$ 257,878	10.6%	73.8925998%	\$ 190,553		\$ 17,947		\$ 208,499
16 Non Residential Smart Saver Energy Efficient Food Service Products	38	34	740,565	\$ 297,177	\$ 181,831	10.6%	73.8925998%	\$ 134,359		\$ 9,035		\$ 143,394
17 Non Residential Smart Saver Energy Efficient HVAC Products	2,489	3,018	19,522,815	\$ 12,252,034	\$ 3,883,081	10.6%	73.8925998%	\$ 2,869,310		\$ 655,508		\$ 3,524,818
18 Non Residential Smart Saver Energy Efficient Lighting Products	17,215	16,390	94,248,537	\$ 60,136,829	\$ 16,523,700	10.6%	73.8925998%	\$ 12,209,792		\$ 3,416,049		\$ 15,625,840
NR E-2, Sub 1180 Adjustment (AEC)					\$ 468,065		100.0000000%	\$ 468,065		\$ -		\$ 468,065
19 Non Residential Smart Saver Energy Efficient Process Equipment Product	11	12	102,938	\$ 40,207	\$ 39,696	10.6%	73.8925998%	\$ 29,532		\$ 40		\$ 29,572
20 Non Residential Smart Saver Energy Efficient Pumps and Drives Product	172	176	1,163,223	\$ 512,344	\$ 193,125	10.6%	73.8925998%	\$ 142,705		\$ 25,003		\$ 167,708
21 Smart Saver(R) Non Residential Performance Incentive Program	5,485	5,299	3,676,020	\$ 9,515,713	\$ 2,362,687	10.6%	73.8925998%	\$ 1,745,851		\$ 560,269		\$ 2,306,120
22 Small Business Energy Saver	7,573	8,301	40,074,276	\$ 22,073,030	\$ 9,384,672	10.6%	73.8925998%	\$ 6,934,578		\$ 993,830		\$ 7,928,408
23 Smart Energy in Offices	-	-	-	\$ -	\$ -	10.6%	73.8925998%	\$ -		\$ -		\$ -
24 Total for Non-Residential Conservation Programs	37,258	37,043	181,678,572	\$ 119,990,735	\$ 39,946,926			\$ 29,640,022	\$ -	\$ 6,306,186	\$ (137,713)	\$ 35,808,495
NC Non-Residential Peak Demand Allocation Factor												
24 EnergyWise for Business	7,249	464	244,116	\$ 1,020,153	\$ 2,289,089	10.6%	72.9576004%	\$ 1,670,064		\$ (98,133)		\$ 1,571,931
25 PowerShare*	426,830	396,952	-	\$ 54,349,652	\$ 17,870,297	10.6%	72.9576004%	\$ 13,037,740		\$ 2,821,133		\$ 15,858,873
26 Total for Non-Residential DSM Programs	434,080	397,416	244,116	\$ 55,369,805	\$ 20,159,387		72.9576004%	\$ 14,707,805	\$ -	\$ 2,723,000	\$ -	\$ 17,430,804
27 Total Non Residential	471,338	434,459	181,922,688	\$ 175,360,540	\$ 60,106,313			\$ 44,347,827	\$ -	\$ 9,029,185	\$ (137,713)	\$ 53,239,299
28 Total All Programs	1,130,811	517,818	669,093,611	\$ 337,823,944	\$ 120,683,805			\$ 88,943,445	\$ 156,298	\$ 17,259,521	\$ (1,042,042)	\$ 105,317,223

(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 Carolinas
Fields Exhibit 1
Vintage 2024 Estimate - January 1, 2024 to December 31, 2024
Docket Number E-7, Sub 1285
Load Impacts and Estimated Revenue Requirements by Program

	A	B	C	D	E	F =A*B*C*D	G =(A-B)*C*D	H	I			
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	NC Retail kWh Sales Allocation Factor	NC Allocated Total Cost	NC PRI	NC PPI	NC PPI Cap Reduction	NC Revenue Requirement
Residential Programs												
EE Programs												
1 Energy Efficiency Education	(2,021)	67	11,893,795	\$ 2,537,623	\$ 2,323,870	10.6%	73.8925998%	\$ 1,717,168		\$ 16,742		\$ 1,733,910
2 Energy Efficient Appliances and Devices	3,922	6,893	30,907,435	\$ 20,125,871	\$ 4,452,044	10.6%	73.8925998%	\$ 3,289,731		\$ 1,227,671		\$ 4,517,401
3 Low Income Energy Efficiency and Weatherization Assistant	1,555	1,438	5,468,776	\$ 5,893,640	\$ 8,807,135	10.6%	73.8925998%	\$ 6,507,821	\$ 461,626			\$ 6,969,447
4 Multi-Family Energy Efficiency	1,381	2,632	12,731,495	\$ 7,926,573	\$ 1,890,393	10.6%	73.8925998%	\$ 1,396,861		\$ 472,791		\$ 1,869,651
5 Residential Energy Assessments	1,673	1,340	15,374,141	\$ 8,782,495	\$ 7,187,986	10.6%	73.8925998%	\$ 5,311,389		\$ 124,892		\$ 5,436,281
6 Residential New Construction	4,729	4,940	17,649,052	\$ 26,461,729	\$ 12,879,538	10.6%	73.8925998%	\$ 9,517,025		\$ 1,063,841		\$ 10,580,866
7 Residential Smart Saver Energy Efficiency	1,835	2,028	7,041,190	\$ 8,253,222	\$ 6,624,441	10.6%	73.8925998%	\$ 4,894,971		\$ 127,576		\$ 5,022,548
8 Total for Residential Conservation Programs	13,073	19,338	101,065,884	\$ 79,981,153	\$ 44,165,406			\$ 32,634,966	\$ 461,626	\$ 3,033,513	-	\$ 36,130,105
9 My Home Energy Report	69,101	55,339	372,429,514	\$ 22,583,768	\$ 8,168,321	10.6%	73.8925998%	\$ 6,035,785		\$ 1,129,107		\$ 7,164,891
10 Total Residential Conservation and Behavioral Programs	82,174	74,677	473,495,398	\$ 102,564,921	\$ 52,333,726			\$ 38,670,751	\$ 461,626	\$ 4,162,619	\$ -	\$ 43,294,996
							NC Residential Peak Demand Allocation Factor					
11 Power Manager®	593,572	65,283	-	\$ 109,372,304	\$ 24,875,563	10.6%	72.9576004%	\$ 18,148,614		\$ 6,534,560		\$ 24,683,174
12 Total Residential Demand Response Programs	593,572	65,283	-	\$ 109,372,304	\$ 24,875,563	10.6%	72.9576004%	\$ 18,148,614	\$ -	\$ 6,534,560	\$ (2,855,525)	\$ 21,827,649
12 Total Residential	675,746	139,960	473,495,398	\$ 211,937,225	\$ 77,209,289			\$ 56,819,365	\$ 461,626	\$ 10,697,180	\$ (2,855,525)	\$ 65,122,646
	System kW Reduction - Summer Peak	System kW Reduction - Winter Peak	System Energy Reduction (kWh)	System NPV of Avoided Costs	Total Cost	Shared Savings %	NC Retail kWh Sales Allocation Factor	NC Allocated Total Cost	NC PRI	NC PPI	NC PPI Cap Reduction	NC Revenue Requirement
Non-Residential Programs												
EE Programs												
13 Non Residential Energy Efficient ITEE	-	-	13,788	\$ 2,396	\$ 5,467	10.6%	73.8925998%	\$ 4,040		\$ (241)		\$ 3,799
14 Non Residential Smart Saver Custom	7,867	7,867	53,822,292	\$ 34,671,581	\$ 10,630,183	10.6%	73.8925998%	\$ 7,854,918		\$ 1,883,070		\$ 9,737,989
15 Non Residential Smart Saver Custom Technical Assessments	316	316	2,321,759	\$ 1,446,398	\$ 631,382	10.6%	73.8925998%	\$ 466,545		\$ 63,837		\$ 530,382
16 Non Residential Smart Saver Energy Efficient Food Service	97	88	1,482,462	\$ 638,463	\$ 307,149	10.6%	73.8925998%	\$ 226,960		\$ 25,951		\$ 252,911
17 Non Residential Smart Saver Energy Efficient HVAC Product	4,124	6,209	27,291,488	\$ 25,568,132	\$ 6,621,188	10.6%	73.8925998%	\$ 4,892,568		\$ 1,484,041		\$ 6,376,609
18 Non Residential Smart Saver Energy Efficient Lighting Prod	26,614	25,300	156,043,327	\$ 111,232,897	\$ 28,716,935	10.6%	73.8925998%	\$ 21,219,690		\$ 6,463,158		\$ 27,682,848
19 Non Residential Smart Saver Energy Efficient Process Equip	217	226	1,074,842	\$ 481,223	\$ 221,687	10.6%	73.8925998%	\$ 163,811		\$ 20,328		\$ 184,139
20 Non Residential Smart Saver Energy Efficient Pumps and Dis	221	226	1,423,751	\$ 769,342	\$ 211,472	10.6%	73.8925998%	\$ 156,262		\$ 43,696		\$ 199,958
21 Smart Saver(R) Non Residential Performance Incentive Prog	3,609	3,609	31,619,073	\$ 17,156,413	\$ 3,620,233	10.6%	73.8925998%	\$ 2,675,084		\$ 1,060,237		\$ 3,735,321
22 Small Business Energy Saver	10,542	10,279	58,826,567	\$ 38,068,318	\$ 13,763,928	10.6%	73.8925998%	\$ 10,170,524		\$ 1,903,669		\$ 12,074,194
23 Smart Energy in Offices	-	-	-	\$ -	\$ -	10.6%	73.8925998%	\$ -		\$ -		\$ -
24 Total for Non-Residential Conservation Programs	53,607	54,119	333,919,349	\$ 230,035,164	\$ 64,729,623			\$ 47,830,402	\$ -	\$ 12,947,747	\$ (1,309,638)	\$ 59,468,511
							NC Non-Residential Peak Demand Allocation Factor					
24 EnergyWise for Business	12,223	5,957	762,197	\$ 3,049,486	\$ 2,461,251	10.6%	72.9576004%	\$ 1,795,669		\$ 45,491		\$ 1,841,161
25 PowerShare®	438,351	407,667	-	\$ 77,192,656	\$ 17,502,126	10.6%	72.9576004%	\$ 12,769,131		\$ 4,616,171		\$ 17,385,302
26 Total for Non-Residential DSM Programs	450,574	413,623	762,197	\$ 80,242,142	\$ 19,963,377		72.9576004%	\$ 14,564,801	\$ -	\$ 4,661,662	\$ (2,163,611)	\$ 17,062,852
27 Total Non-Residential	504,182	467,743	334,681,546	\$ 310,277,306	\$ 84,693,000			\$ 62,395,202	\$ -	\$ 17,609,409	\$ (3,473,249)	\$ 76,531,363
28 Total All Programs	1,179,928	607,703	808,176,944	\$ 522,214,531	\$ 161,902,290			\$ 119,214,567	\$ 461,626	\$ 28,306,589	\$ (6,328,773)	\$ 141,654,009

(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