

Duff Exhibit 1 pg. 1

Duke Energy Carolinas  
Actuals for June 1, 2009 to December 31, 2009  
Docket Number E-7, Sub 1001  
Load Impacts and Avoided Cost Revenue Requirements by Program

	A	B	C
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System Avoided Cost Revenue Requirement
<b>Residential Programs</b>			
<b>EE Programs (at 50% Avoided Cost)</b>			
1 Residential Energy Assessments	1,378	11,335,613	\$ 1,475,196
2 Smart Saver® for Residential Customers	1,591	12,537,769	\$ 1,940,744
3 Low Income Energy Efficiency and Weatherization Assistance	143	1,353,011	\$ 141,337
4 Energy Efficiency Education Program for Schools	56	303,520	\$ 55,373
5 Home Energy Comparison Report	-	-	\$ -
6 Total for Residential Conservation Programs	<u>3,168</u>	<u>25,529,913</u>	<u>\$ 3,612,650</u>
			<b>NC Residential kWh Sales Allocation Factor (McManeus Exhibit 5, Page 1)</b>
			73.0077318%
			<b>NC Residential Avoided Costs</b>
			<b>A * B</b>
			\$ 1,077,007
			\$ 1,416,893
			\$ 103,187
			\$ 40,427
			<u>\$ -</u>
			<u>\$ 2,637,514</u>
			<b>NC Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 1)</b>
			<b>A6 * B6</b>
7 Total DSM Programs (at 75% Avoided Costs)	116,058		\$ 4,655,124
			33.9010659%
			\$ 1,578,137
<b>Non-Residential Programs</b>			
<b>EE Programs (at 50% Avoided Cost)</b>			
8 Smart Saver® for Non-Residential Customers Lighting	5,262	27,982,076	\$ 5,247,545
9 Smart Saver® for Non-Residential Customers Motors	124	623,904	\$ 183,846
10 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	46	257,532	\$ 67,096
11 Smart Saver® for Non-Residential Customers - HVAC	267	764,514	\$ 295,533
12 Smart Saver® for Non-Residential Customers - Custom Rebate	19	232,611	\$ 30,165
13 Total for Non-Residential Conservation Programs	<u>5,718</u>	<u>29,860,637</u>	<u>\$ 5,824,185</u>
			<b>NC Non-Residential kWh Sales Allocation Factor (McManeus Exhibit 5, Page 1)</b>
			73.0077318%
			73.0077318%
			73.0077318%
			73.0077318%
			73.0077318%
			<u>\$ 3,831,114</u>
			<u>\$ 134,222</u>
			<u>\$ 48,985</u>
			<u>\$ 215,762</u>
			<u>\$ 22,023</u>
			<u>\$ 4,252,106</u>
			<b>NC Non-Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 1)</b>
			<b>A13* B13</b>
14 Total DSM Programs (at 75% Avoided Costs)	116,058		\$ 4,655,124
			39.9179344%
			\$ 1,858,229
<b>Total DSM Program Breakdown</b>			
15 Power Manager (Residential)	57,438	-	\$ 3,082,269
16 Power Share (Non-Residential)	58,620	-	1,572,855
17 Total DSM	<u>116,058</u>	<u>-</u>	<u>\$ 4,655,124</u>
			<b>NC Retail Peak Demand Allocation Factor (McManeus Exhibit 5)</b>
			73.8190004%
			<b>A16* B16</b>
			\$ 3,436,366

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

Duff Exhibit 1 pg. 2

Duke Energy Carolinas  
Estimated for January 1, 2010 to December 31, 2010  
Docket Number E-7, Sub 1001  
Load Impacts and Avoided Cost Revenue Requirements by Program

	A	B	C
	System kW Reduction - Summer Peak	System Energy Reduction (kWh)	System Avoided Cost Revenue Requirement
<b>Residential Programs</b>			
<b>EE Programs (at 50% Avoided Cost)</b>			
1 Residential Energy Assessments	1,893	14,235,783	\$ 1,929,398
2 Smart Saver® for Residential Customers	41,463	381,464,624	\$ 42,560,548
3 Low Income Energy Efficiency and Weatherization Assistance	598	5,658,628	\$ 591,118
4 Energy Efficiency Education Program for Schools	468	2,524,349	\$ 460,540
5 Home Energy Comparison Report	-	-	\$ -
6 Total for Residential Conservation Programs	<u>44,422</u>	<u>403,883,384</u>	<u>\$ 45,541,604</u>
			<b>NC kWh Sales Allocation Factor (McManeus Exhibit 5, Page 2)</b>
			72.7072722%
			72.7072722%
			72.7072722%
			72.7072722%
			72.7072722%
			<u>\$ 1,402,813</u>
			<u>\$ 30,944,613</u>
			<u>\$ 429,786</u>
			<u>\$ 334,846</u>
			<u>\$ -</u>
			<u>\$ 33,112,058</u>
			<b>NC Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 2)</b>
			<b>A * B</b>
7 Total DSM Programs (at 75% Avoided Costs)	438,255		\$ 23,515,262
			34.4404513%
			\$ 8,098,762
<b>Non-Residential Programs</b>			
<b>EE Programs (at 50% Avoided Cost)</b>			
8 Smart Saver® for Non-Residential Customers Lighting	13,455	68,355,683	\$ 13,710,093
9 Smart Saver® for Non-Residential Customers Motors	532	2,722,519	\$ 798,480
10 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	380	\$ 44
11 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	155	787,665	\$ 191,588
12 Smart Saver® for Non-Residential Customers - HVAC	1,703	4,251,962	\$ 1,848,965
13 Smart Saver® for Non-Residential Customers - Custom Rebate	2,596	20,897,367	\$ 3,493,781
14 Total for Non-Residential Conservation Programs	<u>18,441</u>	<u>97,015,576</u>	<u>\$ 20,042,951</u>
			<b>NC kWh Sales Allocation Factor (McManeus Exhibit 5, Page 2)</b>
			72.7072722%
			72.7072722%
			72.7072722%
			72.7072722%
			72.7072722%
			72.7072722%
			<u>\$ 9,968,235</u>
			<u>\$ 580,553</u>
			<u>\$ 32</u>
			<u>\$ 139,298</u>
			<u>\$ 1,344,332</u>
			<u>\$ 2,540,233</u>
			<u>\$ 14,572,683</u>
			<b>NC Non-Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 2)</b>
			<b>A14* B14</b>
15 Total DSM Programs (at 75% Avoided Cost)	438,255		\$ 23,515,262
			40.3489126%
			\$ 9,488,153
<b>Total DSM Program Breakdown</b>			
16 Power Manager (Residential)	228,223	-	\$ 12,245,662
17 Power Share (Non-Residential)	210,032	-	11,269,600
18 Total DSM	<u>438,255</u>	<u>-</u>	<u>\$ 23,515,262</u>
			<b>NC Retail Peak Demand Allocation Factor (McManeus Exhibit 5)</b>
			<b>A17* B17</b>
			74.7893638%
			\$ 17,586,915

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

Duff Exhibit 1 pg. 3

Duke Energy Carolinas  
For the Period January 1, 2011 to December 31, 2011  
Docket Number E-7, Sub 1001  
Load Impacts and Avoided Cost Revenue Requirements by Program

	A	B	C		
	<b>NC Residential Avoided Costs</b>				
	<b>A * B</b>				
<b>Residential Programs</b>	<b>System kW Reduction - Summer Peak</b>	<b>System Energy Reduction (kWh)</b>	<b>System Avoided Cost Revenue Requirement</b>		
<b>EE Programs (at 50% Avoided Cost)</b>	<b>NC kWh Sales Allocation Factor (McManeus Exhibit 5, Page 3)</b>	<b>A * B</b>			
1 Residential Energy Assessments	1,569	11,654,963	\$ 1,620,230	72.6972151%	\$ 1,177,862
2 Smart Saver® for Residential Customers	39,676	367,072,425	\$ 40,319,354	72.6972151%	\$ 29,311,048
3 Low Income Energy Efficiency and Weatherization Assistance	52	488,500	\$ 50,792	72.6972151%	\$ 36,924
4 Energy Efficiency Education Program for Schools	262	1,411,909	\$ 265,292	72.6972151%	\$ 192,860
5 Residential Retrofit Pilot	21	126,448	\$ 40,936	72.6972151%	\$ 29,759
6 Home Energy Comparison Report	-	-	\$ -		\$ -
7 Total for Residential Conservation Programs	41,580	380,754,245	\$ 42,296,604		\$ 30,748,453
				<b>NC Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 3)</b>	<b>A7 * B7</b>
8 Total DSM Programs (at 75% Avoided Costs)	546,076		\$ 30,131,132	32.2293181%	\$ 9,711,058
					<b>NC Non-Residential Avoided Costs</b>
	<b>System kW Reduction - Summer Peak</b>	<b>System Energy Reduction (kWh)</b>	<b>System Avoided Cost Revenue Requirement</b>	<b>NC kWh Sales Allocation Factor (McManeus Exhibit 5, Page 3)</b>	<b>A * B</b>
<b>Non-Residential Programs</b>					
<b>EE Programs (at 50% Avoided Cost)</b>					
9 Smart Saver® for Non-Residential Customers Lighting	11,319	64,131,222	\$ 13,497,639	72.6972151%	\$ 9,812,408
10 Smart Saver® for Non-Residential Customers Motors	1,106	5,745,623	\$ 1,286,403	72.6972151%	\$ 935,179
11 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	81	503,360	\$ 54,884	72.6972151%	\$ 39,899
12 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	184	1,011,471	\$ 263,359	72.6972151%	\$ 191,455
13 Smart Saver® for Non-Residential Customers - HVAC	1,867	4,982,647	\$ 2,094,930	72.6972151%	\$ 1,522,956
14 Smart Saver® for Non-Residential Customers - Custom Rebate	6,579	55,927,745	\$ 11,605,896	72.6972151%	\$ 8,437,163
15 Smart Energy Now	1,343	7,152,511	\$ 825,610	72.6972151%	\$ 600,195
16 Total for Non-Residential Conservation Programs	22,479	139,454,579	\$ 29,628,721		\$ 21,539,255
				<b>NC Non-Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 3)</b>	<b>A16 * B16</b>
17 Total DSM Programs (at 75% Avoided Cost)	546,076		\$ 30,131,132	42.2350050%	\$ 12,725,885
				<b>NC Retail Peak Demand Allocation Factor (McManeus Exhibit 5, Page 3)</b>	<b>A19 * B19</b>
<b>Total DSM Program Breakdown</b>					
18 Power Manager (Residential)	226,000	-	\$ 12,470,132		
19 Power Share (Non-Residential)	320,076	-	17,661,000		
20 Total DSM	546,076	-	\$ 30,131,132	74.4643230%	\$ 22,436,943

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

Duff Exhibit 1 pg. 4

Duke Energy Carolinas  
Estimated for January 1, 2013 to December 31, 2013  
Docket Number E-7, Sub 1001  
Load Impacts and Avoided Cost Revenue Requirements by Program

	A	B	C
	System kW - Summer Peak	System Energy Reduction (kWh)	System Avoided Cost Revenue Requirement
<b>Residential Programs</b>			
<b>EE Programs (at 50% Avoided Cost)</b>			
1 Residential Energy Assessments	705	3,799,101	\$ 698,750
2 Smart Saver® for Residential Customers	6,719	59,422,880	\$ 8,079,243
3 Low Income Energy Efficiency and Weatherization Assistance	79	624,134	\$ 207,065
4 Energy Efficiency Education Program for Schools	616	3,321,028	\$ 668,944
5 Home Energy Comparison Report	-	-	\$ -
6 Total for Residential Conservation Programs	8,119	67,167,143	\$ 9,654,002
			<b>NC kWh Sales Allocation Factor (McManeus Exhibit 5, Page 3)</b>
			<b>A * B</b>
			\$ 507,972
			\$ 5,873,385
			\$ 150,530
			\$ 486,304
			\$ -
			\$ 7,018,191
			<b>NC Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 3)</b>
			<b>A6 * B6</b>
7 Total DSM Programs (at 75% Avoided Cost)	707,846		\$ 41,159,421
			32.2293181%
			\$ 13,265,401
<b>Non-Residential Programs</b>			
<b>EE Programs (at 50% Avoided Cost)</b>			
8 Smart Saver® for Non-Residential Customers Lighting	9,160	54,199,307	\$ 10,647,482
9 Smart Saver® for Non-Residential Customers Motors	462	2,350,755	\$ 554,998
10 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	3	17,304	\$ 2,224
11 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	165	984,607	\$ 293,022
12 Smart Saver® for Non-Residential Customers - HVAC	1,602	4,092,253	\$ 1,818,550
13 Smart Saver® for Non-Residential Customers - Custom Rebate	7,697	67,290,611	\$ 17,044,014
14 Total for Non-Residential Conservation Programs	19,089	128,934,837	\$ 30,360,290
			<b>NC Non-Residential Peak Demand Allocation Factor (McManeus Exhibit 5, Page 3)</b>
			<b>A14 * B14</b>
15 Total DSM Programs (at 75% Avoided Cost)	707,846		\$ 41,159,421
			42.2350050%
			\$ 17,383,684
<b>Total DSM Program Breakdown</b>			
16 Power Manager (Residential)	343,508	-	\$ 19,974,108
17 Power Share (Non-Residential)	364,338	-	21,185,313
18 Total DSM	707,846	-	\$ 41,159,421
			<b>NC Retail Peak Demand Allocation Factor (McManeus Exhibit 5)</b>
			<b>A17* B17</b>
			74.4643230%
			\$ 30,649,084

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

Duff Exhibit 2

Duke Energy Carolinas  
For the Period June 1, 2009 - January 31, 2013  
Docket Number E-7, Sub 1001  
North Carolina Net Lost Revenues Summary

Vintage 1	Participation						Total
	2009	2010	2011	1 Mth 2012	2012	2013	
<b>Residential</b>							
1 Residential Energy Assessments	57,769	897,754	990,917	87,388	-	-	2,033,828
2 Smart Saver® for Residential Customers	94,284	5,086,792	15,672,556	1,382,408	-	-	22,236,039
3 Low Income Energy Efficiency and Weatherization Assistance	8,224	185,099	299,747	26,442	-	-	519,513
4 Energy Efficiency Education Program for Schools	994	52,168	110,282	9,727	-	-	173,171
5 Total Lost Revenues	161,270	6,221,813	17,073,502	1,505,965	-	-	24,962,551
6 Found Residential Revenues *	18,806	94,561	150,236	12,519	-	-	276,122
7 Net Lost Residential Revenues	142,464	6,127,252	16,923,266	1,493,446	-	-	24,686,429
<b>Non-Residential</b>							
8 Smart Saver® for Non-Residential Customers Lighting	273,587	1,574,738	2,151,928	180,790	-	-	4,181,044
9 Smart Saver® for Non-Residential Customers Motors	1,555	34,774	48,254	4,431	-	-	89,014
10 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	4	10	1	-	-	15
11 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	1,908	24,400	31,561	2,815	-	-	60,685
12 Smart Saver® for Non-Residential Customers - HVAC	4,530	66,575	123,954	11,056	-	-	206,114
13 Smart Saver® for Non-Residential Customers - Custom Rebate	174	125,183	418,123	38,252	-	-	581,731
14 Total Lost Revenues	281,753	1,825,674	2,773,831	237,345	-	-	5,118,604
15 Found Non-Residential Revenues*	200,416	1,184,714	1,636,258	136,355	-	-	3,157,743
16 Net Lost Non-Residential Revenues	81,337	640,960	1,137,573	100,990	-	-	1,960,861
<b>Year 1</b>							
Vintage 2	2009	2010	2011	1 Mth 2012	2012	2013	Total
<b>Residential</b>							
17 Residential Energy Assessments	-	-	261,170	-	-	-	261,170
18 Smart Saver® for Residential Customers	-	-	7,113,875	-	-	-	7,113,875
19 Low Income Energy Efficiency and Weatherization Assistance	-	-	8,647	-	-	-	8,647
20 Energy Efficiency Education Program for Schools	-	-	26,151	-	-	-	26,151
21 Residential Retrofit Pilot	-	-	-	-	-	-	-
22 Total Lost Revenues	-	-	7,409,843	-	-	-	7,409,843
23 Found Residential Revenues*	-	-	46,565	-	-	-	46,565
24 Net Lost Residential Revenues	-	-	7,363,278	-	-	-	7,363,278
<b>Non-Residential</b>							
25 Smart Saver® for Non-Residential Customers Lighting	-	-	1,006,514	-	-	-	1,006,514
26 Smart Saver® for Non-Residential Customers Motors	-	-	42,627	-	-	-	42,627
27 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	-	6,653	-	-	-	6,653
28 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	-	-	14,407	-	-	-	14,407
29 Smart Saver® for Non-Residential Customers - HVAC	-	-	53,687	-	-	-	53,687
30 Smart Saver® for Non-Residential Customers - Custom Rebate	-	-	600,551	-	-	-	600,551
31 Smart Energy Now	-	-	44,837	-	-	-	44,837
32 Total Lost Revenues	-	-	1,769,277	-	-	-	1,769,277
33 Found Non-Residential Revenues*	-	-	405,975	-	-	-	405,975
34 Net Lost Residential Revenues	-	-	1,363,302	-	-	-	1,363,302
<b>Vintage 3 - Yr. 2 (2013)</b>							
Vintage 3 - Yr. 2 (2013)	2009	2010	2011	1 Mth 2012	2012	2013 <sup>(a)</sup>	Total
<b>Residential</b>							
35 Residential Energy Assessments	-	-	-	-	-	501,005	501,005
36 Home Energy Comparison Report	-	-	-	-	-	-	-
37 Smart Saver® for Residential Customers	-	-	-	-	-	3,033,677	3,033,677
38 Low Income Energy Efficiency and Weatherization Assistance	-	-	-	-	-	12,814	12,814
39 Energy Efficiency Education Program for Schools	-	-	-	-	-	144,570	144,570
40 Residential Retrofit Pilot	-	-	-	-	-	-	-
41 Total Lost Revenues	-	-	-	-	-	3,692,067	3,692,067
42 Found Residential Revenues *	-	-	-	-	-	106,396	106,397
43 Net Lost Residential Revenues	-	-	-	-	-	3,585,671	3,585,670
<b>Non-Residential</b>							
44 Smart Saver® for Non-Residential Customers Lighting	-	-	-	-	-	1,707,294	1,707,294
45 Smart Saver® for Non-Residential Customers Motors	-	-	-	-	-	53,029	53,029
46 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	-	-	-	-	451	451
47 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	-	-	-	-	-	24,419	24,419
48 Smart Saver® for Non-Residential Customers - HVAC	-	-	-	-	-	109,492	109,492
49 Smart Saver® for Non-Residential Customers - Custom Rebate	-	-	-	-	-	1,318,830	1,318,830
50 Smart Energy Now	-	-	-	-	-	-	-
51 Total Lost Revenues	-	-	-	-	-	3,213,516	3,213,516
52 Found Non-Residential Revenues *	-	-	-	-	-	1,544,400	1,544,400
53 Net Lost Non-Residential Revenues	-	-	-	-	-	1,669,116	1,669,116
<b>Vintage 4 - Yr. 1 (2013)</b>							
Vintage 4 - Yr. 1 (2013)	2009	2010	2011	1 Mth 2012	2012	2013 <sup>(a)</sup>	Total
<b>Residential</b>							
54 Residential Energy Assessments	-	-	-	-	-	82,691	82,691
55 Smart Saver® for Residential Customers	-	-	-	-	-	1,327,313	1,327,313
56 Low Income Energy Efficiency and Weatherization Assistance	-	-	-	-	-	13,585	13,585
57 Energy Efficiency Education Program for Schools	-	-	-	-	-	72,285	72,285
58 Total Lost Revenues	-	-	-	-	-	1,495,874	1,495,874
59 Found Residential Revenues *	-	-	-	-	-	57,631	57,632
60 Net Lost Residential Revenues	-	-	-	-	-	1,438,243	1,438,242
<b>Non-Residential</b>							
61 Smart Saver® for Non-Residential Customers Lighting	-	-	-	-	-	799,888	799,888
62 Smart Saver® for Non-Residential Customers Motors	-	-	-	-	-	29,166	29,166
63 Smart Saver® for Non-Residential Customers - Other Prescriptive (Process Equipment)	-	-	-	-	-	248	248
64 Smart Saver® for Non-Residential Customers - Energy Star Food Service Products	-	-	-	-	-	13,430	13,430
65 Smart Saver® for Non-Residential Customers - HVAC	-	-	-	-	-	60,221	60,221
66 Smart Saver® for Non-Residential Customers - Custom Rebate	-	-	-	-	-	800,446	800,446
67 Total Lost Revenues	-	-	-	-	-	1,703,399	1,703,399
68 Found Non-Residential Revenues *	-	-	-	-	-	959,656	959,656
69 Net Lost Non-Residential Revenues	-	-	-	-	-	743,743	743,743

\* Found Revenues - see Duff Exhibit 4

(a) Estimated Lost Revenues were estimated by allocating estimated system Lost Revenues per kWh sales. See McManeus Exhibit 5 Page 3

**Duke Energy Carolinas**  
**For the Period June 1, 2009 - December 31, 2011**  
**Docket Number E-7 Sub 979**  
**Actual Program Costs Including Overhead**

**Duff Exhibit 3**

	<u>Carolinas System Costs - 6/1/2009 - 12/31/2009</u>	<u>Carolinas System Costs - 12 Months Ended 12/31/2010</u>	<u>Carolinas System Costs - 12 Months Ended 12/31/2011</u>	<u>Carolinas System Estimated Costs - 12 Months Ended 12/31/2013</u>
Residential Energy Assessments	2,012,300	2,501,875	2,683,722	1,923,459
Residential Home Retrofit	-	123,262	119,486	-
Residential Smart Saver	2,651,125	26,088,102	23,136,717	7,115,139
Low Income Services	106,999	398,449	1,304	1,016,706
Energy Efficiency Education	2,147,159	2,283,886	796,090	878,300
Nonresidential Energy Assessments	162,538	1,115,776	2,533,693	2,613,581
Nonresidential Smart Energy Now	-	-	2,081,419	543,375
Nonresidential Smart Saver	1,839,260	7,019,303	12,214,462	17,487,950
Power Manager	2,333,129	9,463,992	14,473,943	15,502,181
Power Share	762,569	8,024,339	13,872,741	19,848,921
<b>Total Energy Efficiency &amp; Demand Side Program Costs</b>	<b><u>12,015,079</u></b>	<b><u>57,018,984</u></b>	<b><u>71,913,577</u></b>	<b><u>66,929,612</u></b>

**Duke Energy Carolinas**  
**June 2009 - December 2011 Actuals**  
**January 2012-December 2013 Estimates**  
**Docket Number E-7 Sub 1001**  
**North Carolina Found Revenues**

	Actual/Reported KWH			Estimated KWH		Decision Tree Node
	2009	2010	2011	2012	2013	
1 Boilers (unmetered)	575,990	-	-	-	-	Box 6 - include
2 Boilers (metered)	-	-	-	-	-	Box 6 - include
3 Economic Development	93,990,900	104,307,244	117,082,542	-	-	Box 5 - exclude
4 Plug-in Electric Chargig Station Pilot	-	-	8,246	361,146	429,313	Box 3 - exclude
5 Food Service	693,553	949,022	723,338	180,351	157,807	Box 6 - include
6 Process Heat	31,014	1,783,740	2,973,046	3,494,296	4,076,678	Box 6 - include
7 Lighting	-	-	-	-	-	
8 Residential	102,492	169,991	162,984	162,984	162,984	Box 6 - include
9 Non Residential (Regulated)	112,286	175,553	129,669	129,669	129,669	Box 6 - include
10 Non Residential (Non Regulated)	3,630	3,630	2,146	-	-	Box 6 - include
<b>11 Total KWH</b>	<b>95,509,866</b>	<b>107,389,180</b>	<b>121,081,971</b>	<b>4,328,445</b>	<b>4,956,451</b>	
<b>12 Total KWH Included</b>	<b>1,518,966</b>	<b>3,081,936</b>	<b>3,991,183</b>	<b>3,967,299</b>	<b>4,527,138</b>	
<b>13 Total KWH Included (net of Free Riders 15%)</b>	<b>1,291,121</b>	<b>2,619,646</b>	<b>3,392,506</b>	<b>3,372,204</b>	<b>3,848,067</b>	
<b>14 Annualized Found Revenue - Non Residential</b>	<b>\$ 520,568</b>	<b>\$ 1,115,690</b>	<b>\$ 1,385,712</b>	<b>\$ 1,544,400</b>	<b>\$ 1,771,672</b>	
<b>15 Annualized Found Revenue - Residential</b>	<b>\$ 56,082</b>	<b>\$ 94,154</b>	<b>\$ 91,523</b>	<b>\$ 106,396</b>	<b>\$ 106,396</b>	

  

	2009	2010	2011	2012	2013
16 Vintage 1 -2009 - Non Res	\$ 200,416	520,568	520,568	320,152	
17 Vintage 1 -2010 - Non Res		\$ 664,146	1,115,690	1,115,690	451,544
18 Vintage 2 - Non Res			\$ 405,975	1,385,712	1,385,712
19 Vintage 3 - Non Res				\$ 836,550	1,544,400
20 Vintage 4 - Non Res					\$ 959,656
21 Vintage 5 - Non Res					
22 Vintage 6 - Non Res					
23 Vintage 7 - Non Res					
24 Rate Case Adjustment - Non Res *				(1,299,487)	(1,837,256)
<b>25 Subtotal - Non Res</b>	<b>\$ 200,416</b>	<b>\$ 1,184,714</b>	<b>\$ 2,042,233</b>	<b>\$ 2,358,616</b>	<b>\$ 2,504,056</b>
26 Vintage 1 -2009 - Residential	\$ 18,806	56,082	56,082	37,276	
27 Vintage 1 -2010 - Residential		\$ 48,479	94,154	94,154	45,676
28 Vintage 2 - Residential			\$ 46,565	91,523	91,523
29 Vintage 3 - Residential				\$ 57,631	106,396
30 Vintage 4 - Residential					\$ 57,631
31 Vintage 5 - Residential					
32 Vintage 6 - Residential					
33 Vintage 7 - Residential					
34 Rate Case Adjustment - Residential *				(118,911)	(137,199)
<b>35 Subtotal - Residential</b>	<b>\$ 18,806</b>	<b>\$ 104,560</b>	<b>\$ 196,801</b>	<b>\$ 161,674</b>	<b>\$ 164,027</b>
<b>36 Total Found Revenues</b>	<b>\$ 219,222</b>	<b>\$ 1,289,274</b>	<b>\$ 2,239,034</b>	<b>\$ 2,520,291</b>	<b>\$ 2,668,083</b>

\* Removes amounts (11 months of 2012 and 12 months of 2013) to be recovered in base rates.

## Duff Exhibit 5

**Duke Energy Carolinas**  
**System Event Based Demand Response January 1, 2011 - December 31, 2011**  
**Docket Number E-7 Sub 1001**

	<b>Date</b>	<b>State</b>	<b>Program Name</b>	<b>Event Trigger</b>	<b>High Temperature</b>	<b>Customer Notified</b>	<b>Customers Enrolled</b>	<b>MW Reduction</b>
1	6/1/2011	NC and SC	PowerShare Mandatory	Reliability	94	139	139	333.6
2		NC and SC	PowerShare Generator	Reliability		8	8	16.5
3		NC and SC	PowerShare Voluntary	Reliability		100	100	1.6
4		NC	IS	Reliability		66	66	156.4
5		NC	SG	Reliability		93	93	54.6
6	6/2/2011	NC and SC	PowerShare Voluntary	High Prices	92	100	100	16.1
7	6/21/2011	NC and SC	Power Manager	High Prices	95	N/A	165,953	100.6
8	7/11/2011	NC and SC	Power Manager	High Prices	92	N/A	165,955	101.1
9	7/12/2011	NC and SC	PowerShare Mandatory	Reliability	96	141	141	338.6
10		NC and SC	PowerShare Generator	Reliability		8	8	12.5
11		NC	IS	Reliability		66	66	132.5
12		NC	SG	Reliability		93	93	44.9
13	7/13/2011	NC and SC	Power Manager	High Prices	95	N/A	165,956	101.7
14	7/20/2011	NC and SC	Power Manager	High Prices	94	N/A	165,957	107.5
15		NC and SC	PowerShare Voluntary	High Prices		101	101	1.8
16	7/21/2011	NC and SC	Power Manager	High Prices	96	N/A	165,957	114.6
17		NC and SC	PowerShare Voluntary	High Prices		101	101	1.9
18	7/22/2011	NC and SC	PowerShare Voluntary	High Prices	96	101	101	3.6
19	7/29/2011	NC and SC	Power Manager	High Prices	97	N/A	165,969	110.4
20	8/2/2011	NC and SC	Power Manager	High Prices	96	N/A	166,006	115.3
21	8/3/2011	NC and SC	PowerShare Voluntary	High Prices	96	101	101	2.1
22	8/25/2011	NC and SC	Power Manager	Test	92	N/A	192,261	183.3

**Note:**

The loss factor has been included in the MW values.

The high temperature is the average of the high temperatures from 3 weather stations.

The values for MW reduction are based on the average across the hours of the event.

Customers Notified is the number of participants notified that they should participate or have the opportunity to participate in the event.

For Power Manager events, the Customer Enrolled value represents the load control devices activated for the event.