

Residential Billing Factors

Residential Billing Factor for Rider 7 True-up (EMF) Components

Line			
1	Vintage 1 EE/DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 1, Line 11	\$ 1,597,468
2	Vintage 2 EE/DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 2, Line 11	3,130,209
3	Vintage 3 EE/DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 3, Line 11	(4,069,214)
4	Vintage 4 EE/DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 4, Line 11	4,101,198
5	Year 2014 EE/DSM True-Up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 5, Line 15	682,124
6	Total True-up (EMF) Revenue Requirement	Sum Lines 1-5	\$ 5,441,785
7	Projected NC Residential Sales (kWh) for rate period	Miller Exhibit 6 pg. 1, Line 1	21,674,738,000
8	SAW EE/DSM Revenue Requirement EMF Residential Rider EE (cents per kWh)	Line 6 / Line 7 * 100	0.0251 Application

Residential Billing Factor for Rider 7 Prospective Components

9	Vintage 2014 Total EE/DSM Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 5, Line 15	\$ 9,088,523
10	Vintage 2015 Total EE/DSM Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 6, Line 1	4,071,955
11	Vintage 2016 Total EE/DSM Prospective Amounts Revenue Requirement	Miller Exhibit 2 pg. 7, Line 11	58,886,406
12	Total Prospective Revenue Requirement	Sum Lines 9-11	\$ 72,046,884
13	Projected NC Residential Sales (kWh) for rate period	Miller Exhibit 6 pg. 1, Line 1	21,674,738,000
14	SAW EE/DSM Revenue Requirement Prospective Residential Rider EE (cents per kWh)	Line 12 / Line 13 * 100	0.3324 Application

Total Revenue Requirements In Rider 7 from Residential Customers

15	Total True-up (EMF) Revenue Requirement	Line 6	\$ 5,441,785
16	Total Prospective Revenue Requirement	Line 12	72,046,884
17	Total EE/DSM Revenue Requirement for Residential Rider EE	Line 15 + Line 16	\$ 77,488,670
18	Total EE/DSM Revenue Requirement for Residential Rider EE (cents per kWh)	Line 8 + Line 14	0.3575

Non-Residential Billing Factors for Rider 7 True-up (EMF) Components

Line			
	<u>SAW EE Revenue Requirements True-up (EMF)</u>		
1	Vintage 1 EE True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 1, Line 20	\$ 583,474
2	Projected Vintage 1 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 pg. 1, Line 21	22,972,364,776
3	SAW EE Revenue Requirement Vintage 1 EMF Non-Residential Rider EE (cents per kWh)	Line 1/Line 2 * 100	0.0025 Application
4	Vintage 1 DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 1, Line 29	\$ 370,672
5	Projected Vintage 1 DSM Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 pg. 1, Line 21	22,484,503,238
6	SAW DSM Revenue Requirement Vintage 1 EMF Non-Residential Rider EE (cents per kWh)	Line 4/Line 5 * 100	0.0016 Application
7	Vintage 2 EE True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 2, Line 20	\$ 3,410,457
8	Projected Vintage 2 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 pg. 1, Line 21	23,295,755,187
9	SAW EE Revenue Requirement Vintage 2 EMF Non-Residential Rider EE (cents per kWh)	Line 7/Line 8 * 100	0.0146 Application
10	Vintage 2 DSM True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 2, Line 29	\$ 408,431
11	Projected Vintage 2 DSM Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 pg. 1, Line 21	22,950,230,628
12	SAW DSM Revenue Requirement Vintage 2 EMF Non-Residential Rider EE (cents per kWh)	Line 10/Line 11 * 100	0.0018 Application
13	Vintage 3 EE True-up (EMF) Revenue Requirement	Miller Exhibit 2 pg. 3, Line 20	\$ 6,102,275
14	Projected Vintage 3 EE Participants NC Non-Residential Sales (kwh) for rate period	Miller Exhibit 6 pg. 1, Line 21	23,556,939,761
15	SAW EE Revenue Requirement Vintage 3 EMF Non-Residential Rider EE (cents per kWh)	Line 13/Line 14 * 100	0.0259 Application

Non-Residential Billing Factors Continued

16	Vintage 3 DSM True-up (EMF) Revenue Requirement
17	Projected Vintage 3 DSM Participants NC Non-Residential Sales (kwh) for rate period
18	SAW DSM Revenue Requirement Vintage 3 EMF Non-Residential Rider EE (cents per kWh)
19	Vintage 4 EE True-up (EMF) Revenue Requirement
20	Projected Vintage 4 EE Participants NC Non-Residential Sales (kwh) for rate period
21	SAW EE Revenue Requirement Vintage 4 EMF Non-Residential Rider EE (cents per kWh)
22	Vintage 4 DSM True-up (EMF) Revenue Requirement
23	Projected Vintage 4 DSM Participants NC Non-Residential Sales (kwh) for rate period
24	SAW DSM Revenue Requirement Vintage 4 EMF Non-Residential Rider EE (cents per kWh)
25	Year 2014 EE True-up (EMF) Revenue Requirement
26	Projected Vintage 4 EE Participants NC Non-Residential Sales (kwh) for rate period
27	SAW EE Revenue Requirement Vintage 4 EMF Non-Residential Rider EE (cents per kWh)
28	Year 2014 DSM True-up (EMF) Revenue Requirement
29	Projected Vintage 4 DSM Participants NC Non-Residential Sales (kwh) for rate period
30	SAW DSM Revenue Requirement Vintage 4 EMF Non-Residential Rider EE (cents per kWh)

Miller Exhibit 2 pg. 3, Line 29
Miller Exhibit 6 pg. 1, Line 21
Line 16/Line 17 * 100
Miller Exhibit 2 pg. 4, Line 20
Miller Exhibit 6 pg. 1, Line 21
Line 19/Line 20 * 100
Miller Exhibit 2 pg. 4, Line 29
Miller Exhibit 6 pg. 1, Line 21
Line 22/Line 23 * 100
Miller Exhibit 2 pg. 5, Line 25
Miller Exhibit 6 pg. 2, Line 17
Line 25/Line 26 * 100
Miller Exhibit 2 pg. 5, Line 35
Miller Exhibit 6 pg. 2, Line 17
Line 28/Line 29 * 100

Miller Exhibit 1, page 2	
\$	(182,448)
	23,100,220,941
	(0.0008) Application
\$	7,906,252
	23,966,011,232
	0.0330 Application
\$	77,767
	23,215,694,176
	0.0003 Application
\$	3,581,616
	23,824,291,077
	0.0150 Application
\$	(1,013,022)
	23,138,123,262
	(0.0044) Application

Non-Residential Billing Factors for Rider 7 Prospective Components

31	Vintage 2014 EE Prospective Amounts Revenue Requirement
32	Projected Program Year 2014 EE Participants NC Non-Residential Sales (kwh) for rate period
33	EE Revenue Requirement Vintage 2014 Prospective Component for Non-Residential Rider EE (cents per kWh)
34	Vintage 2015 EE Prospective Amounts Revenue Requirement
35	Projected Program Year 2015 EE Participants NC Non-Residential Sales (kwh) for rate period
36	EE Revenue Requirement Vintage 2015 Prospective Component for Non-Residential Rider EE (cents per kWh)
37	Vintage 2016 EE Prospective Amounts Revenue Requirement
38	Projected Program Year 2016 EE Participants NC Non-Residential Sales (kwh) for rate period
39	EE Revenue Requirement Vintage 2016 Prospective Component for Non-Residential Rider EE (cents per kWh)
40	Vintage 2016 DSM Prospective Amounts Revenue Requirement
41	Projected Vintage 2016 DSM Participants NC Non-Residential Sales (kwh) for rate period
42	DSM Revenue Requirement Vintage 2016 Prospective Component for Non-Residential Rider EE (cents per kWh)
Total EMV Rate	
Total Prospective Rate	

Miller Exhibit 2 pg. 5, Line 25
Miller Exhibit 6 pg. 2, Line 17
Line 31/Line 32 * 100
Miller Exhibit 2 pg. 6, Line 4
Miller Exhibit 6 pg. 2, Line 17
Line 34/Line 35 * 100
Miller Exhibit 2 pg. 7, Line 18
Miller Exhibit 6 pg. 2, Line 17
Line 37/Line 38 * 100
Miller Exhibit 2 pg. 7, Line 25
Miller Exhibit 6 pg. 2, Line 21
Line 40/Line 41 * 100

\$	6,094,150
	23,824,291,077
	0.0256 Application
\$	8,194,003
	23,753,678,227
	0.0345 Application
\$	51,408,650
	23,753,678,227
	0.2164 Application
\$	16,375,648
	23,082,735,561
	0.0709 Application
	0.0895
	0.3474

Total Revenue Requirements in Rider 7 from Non-Residential Customers

43	Vintage 1 EE True-up (EMF) Revenue Requirement
44	Vintage 1 DSM True-up (EMF) Revenue Requirement
45	Vintage 2 EE True-up (EMF) Revenue Requirement
46	Vintage 2 DSM True-up (EMF) Revenue Requirement
47	Vintage 3 EE True-up (EMF) Revenue Requirement
48	Vintage 3 DSM True-up (EMF) Revenue Requirement
49	Vintage 4 EE True-up (EMF) Revenue Requirement
50	Vintage 4 DSM True-up (EMF) Revenue Requirement
51	Year 2014 EE True-up (EMF) Revenue Requirement
52	Year 2014 DSM True-up (EMF) Revenue Requirement
53	Vintage 2014 EE Prospective Amounts Revenue Requirement
54	Vintage 2015 EE Prospective Amounts Revenue Requirement
55	Vintage 2016 EE Prospective Amounts Revenue Requirement
56	Vintage 2016 DSM Prospective Amounts Revenue Requirement
Total Non-Residential Revenue Requirement in Rider 7	

Line 1
Line 4
Line 7
Line 10
Line 13
Line 16
Line 19
Line 22
Line 25
Line 28
Line 31
Line 34
Line 37
Line 40
Sum (Lines 43-56)

\$	583,474
	370,672
	3,410,457
	408,431
	6,102,175
	(182,448)
	7,906,252
	77,767
	3,581,616
	(1,013,022)
	6,094,150
	8,194,003
	51,408,650
	16,375,648
\$	103,317,925 Application

Duke Energy Carolinas, LLC
EE/DSM Vintage 1 (June 1, 2009 - December 31, 2010)
Docket Number E-7 Sub 1073

True-Up of Avoided Cost and Lost Revenues Revenue Requirements For Vintage 1

RESIDENTIAL

Line

1	EE Avoided Cost Component	Barnes Exhibit 1 pg. 1 and 2
2	DSM Avoided Cost Component	Barnes Exhibit 1 pg. 1 and 2
3	Total EE and DSM Avoided Cost	Line 1 + Line 2
4	Cap Adjustment factor	Miller Exhibit 4 pg. 1, Line 35
5	DSM/EE Avoided Cost Component adjusted for Cap	Line 3 + Line 4
6	Gross Receipts Tax and Regulatory Fee	Miller Exhibit 2, pg. 13
7	Adjusted Avoided Cost Revenue Requirement	Line 5 * Line 6
8	Residential Lost Revenues	Barnes Exhibit 2 pg. 1, Line 7
9	Total Residential Revenue Requirement	Line 7 + Line 8
10	Total Collected for Vintage 1 (Riders 1-5 Actuals, Rider 6 estimate)	Miller Exhibit 3 pg. 1, Line 1 + Line 7
11	Residential EE/DSM Revenue Requirement True-up Amount	Line 9 - Line 10

Rider 4 DSM True up of Original Filing, EE Vintage 1, Year 1 and 2 True up	Rider 5 2014 True Up	Rider 6 Implementation of Earnings Cap	Rider 6 2015 True up of 85% to 100%	Rider 7 2016 True up	Vintage 1 - Residential
30,387,136	(448,752)		5,283,244		35,221,629
8,225,364			1,451,535	(11,701)	9,665,198
38,612,500	(448,752)	-	6,734,779	(11,701)	44,886,827
		(6,558,951)		387,509	(6,171,442)
38,612,500	(448,752)	(6,558,951)	6,734,779	375,808	38,715,385
1,034,554	1,017,953	1,001,352	1,001,352	1,001,352	various
39,946,717	(456,808)	(6,567,819)	6,743,885	376,316	40,042,291
20,983,465	(500,574)		3,614,629		24,097,520
60,930,181	(957,381)	(6,567,819)	10,358,513	376,316	64,139,811
					62,542,343
					1,597,468

NON-RESIDENTIAL**Energy Efficiency**

12	Non-Residential EE Avoided Cost Component	Barnes Exhibit 1 pg. 1 and 2
13	Cap Adjustment factor	Miller Exhibit 4 pg. 1, Line 36
14	EE Avoided Cost Component Adjusted for Cap	Line 12 + Line 13
15	Gross Receipts Tax and Regulatory Fee	Miller Exhibit 2, pg. 13
16	Total Non-Residential EE Avoided Cost Revenue Requirement	Line 14 * Line 15
17	Non-Residential Lost Revenues	Barnes Exhibit 2 pg. 1, Line 16
18	Total Non-Residential EE Revenue Requirement	Line 16 + Line 17
19	Total Collected for Vintage 1 (Riders 1-5 Actuals, Rider 6 estimate)	Miller Exhibit 3 pg. 1, Line 14
20	Non-Residential EE Revenue Requirement True-up Amount	Line 18 - Line 19
21	Projected NC Non-Residential Sales (kWh) for billing period	Miller Exhibit 6 pg. 1, Line 21
22	Non-Residential Rider EE (cents per kWh)	Line 20/Line 21*100

Rider 4 Vintage 1, Year 1 and Year 2 Net Lost Revenue True Up	Rider 5 2014 True up	Rider 6 Implementation of Earnings Cap and True up	Rider 6 2015 True up of 85% to 100%	Rider 7 2016 True up	Vintage 1 - EE
16,001,071		(3)	2,823,718		18,824,786
		(2,799,117)		150,944	(2,648,173)
16,001,071	-	(2,799,120)	2,823,718	150,944	16,176,613
1,034,554	1,017,953	1,001,352	1,001,352	1,001,352	various
16,553,972	-	(2,802,904)	2,827,536	151,148	16,729,751
1,666,731	1,974		294,478		1,963,183
18,220,703	1,974	(2,802,904)	3,122,014	151,148	18,692,934
					18,109,451
18,220,703	1,974	(2,802,904)	3,122,014	151,148	583,474
					22,972,364,776
					0.0025

DSM

23	Non-Residential DSM Avoided Cost Component	Barnes Exhibit 1 pg. 1 and 2
24	Cap Adjustment factor	Miller Exhibit 4 pg. 1, Line 37
25	Non-Residential DSM Avoided Cost Component adjusted for Cap	Line 23 + Line 24
26	Gross Receipts Tax and Regulatory Fee	Miller Exhibit 2, pg. 13
27	Total Non-Residential DSM Revenue Requirement	Line 25 * Line 26
28	Total Collected for Vintage 1 (Riders 1-5 Actuals, Rider 6 estimate)	Miller Exhibit 3 pg. 1, Line 20
29	Non-Residential DSM Revenue Requirement True-up Amount	Line 27 - Line 28
30	Projected NC Non-Residential Sales (kWh) for billing period	Miller Exhibit 6 pg. 1, Line 21
31	Non-Residential Rider EE (cents per kWh)	Line 29/Line 30*100

Rider 4 2013 True up of Original Filing	Rider 5 2014 True up	Rider 6 2015 True up of Costs	Rider 6 2015 True up of 85% to 100%	Rider 7 2016 True up	Vintage 1 - DSM
\$ 9,644,425			1,701,957	(13,709)	\$ 11,332,673
		(1,629,074)		68,880	(1,560,194)
9,644,425	-	(1,629,074)	1,701,957	55,171	9,772,479
1,034,554	1,017,953	1,001,352	1,001,352	1,001,352	various
9,977,678	-	(1,631,277)	1,704,258	55,246	10,105,906
					9,735,234
					370,672
					22,484,503,238
					0.0016

¹ Adjustments to DSM participation were identified and true up in 2014.

² The cap adjustment factor was updated in Miller Exhibit 4 for actual 2014 collections and estimated 2015 collections.

Duke Energy Carolinas, LLC
EE/DSM Voltage 2 (January 1, 2011 - December 31, 2011)
District Number C-7, Sub 2073

True-Up of Avoided Cost and Lost Revenue Requirements Requirements For Voltage 2

RESIDENTIAL

Line	Bidder 3	Bidder 4	Bidder 5	Bidder 6	Bidder 7	Voltage 2 - Residential
1	EE Avoided Cost Component	24,135,185	(170,313)	4,302,215		30,548,005
2	DSM Avoided Cost Component	8,254,990		6,656,639	(9,391)	9,901,687
3	Total EE and DSM Avoided Cost	34,390,175	(170,313)	10,958,854	(9,391)	40,449,732
4	Cap Adjustment Factor					
5	DSM/EE Avoided Cost Component adjusted for Cap	34,390,175	(170,313)	10,958,854	(9,391)	40,449,732
6	Gross Nonresidential Tax and Regulatory Fee	1,034,554	1,077,953	6,038,871	2,308,470	14,106,251
7	Adjusted Avoided Cost Revenue Requirement	35,424,729	(171,266)	16,997,725	1,001,352	52,153,245
8	Residential Lost Revenue	8,004,542	6,258,706	7,255,706	6,047,036	27,511,376
9	Total Residential Revenue Requirement	8,004,542	6,258,706	7,255,706	6,047,036	27,511,376
10	Total Collected for Voltage 2 (Bidders 3-5 Actuals, Bidder 6 estimate)	8,004,542	6,258,706	7,255,706	6,047,036	27,511,376
11	Residential EE/DSM Revenue Requirement True-up Amount					75,985,709
						3,130,209

See Miller Exhibit A for rate

NON-RESIDENTIAL Energy Efficiency

Line	Bidder 3	Bidder 4	Bidder 5	Bidder 6	Bidder 7	Voltage 2 - EE
12	Non-Residential EE Avoided Cost Component	14,308,367		3,270,888	973,347	18,552,602
13	Cap Adjustment Factor					
14	EE Avoided Cost Component Adjusted for Cap	14,308,367		3,270,888	973,347	18,552,602
15	Gross Nonresidential Tax and Regulatory Fee	1,034,554	1,077,953	6,038,871	2,308,470	14,106,251
16	Total Non-Residential EE Avoided Cost Revenue Requirement	15,342,921	2,155,903	9,309,759	3,281,817	32,658,853
17	Non-Residential Lost Revenue	951,833	1,154,007	2,388,181	1,974,329	6,468,350
18	Total Collected for Voltage 2 (Bidders 3-5 Actuals, Bidder 6 estimate)	951,833	1,154,007	2,388,181	1,974,329	6,468,350
19	Total Collected for Voltage 2 (Bidders 3-5 Actuals, Bidder 6 estimate)	951,833	1,154,007	2,388,181	1,974,329	6,468,350
20	Non-Residential EE Revenue Requirement True-up Amount					24,107,260
21	Projected NC Non-Residential Sales (\$/Wh) for billing period					23,295,353
22	Non-Residential Bidder EE (cents per kWh)					8.0346

DSM

Line	Bidder 3	Bidder 4	Bidder 5	Bidder 6	Bidder 7	Voltage 2 - DSM
23	Non-Residential DSM Avoided Cost Component	10,817,002		1,908,883	(12,307)	12,715,578
24	Cap Adjustment Factor					
25	Non-Residential DSM Avoided Cost Component adjusted for Cap	10,817,002		1,908,883	(12,307)	12,715,578
26	Gross Nonresidential Tax and Regulatory Fee	1,034,554	1,077,953	6,038,871	2,308,470	14,106,251
27	Total Non-Residential DSM Revenue Requirement	11,851,556	2,085,903	7,947,754	2,296,163	27,141,784
28	Total Collected for Voltage 2 (Bidders 3-5 Actuals, Bidder 6 estimate)	11,851,556	2,085,903	7,947,754	2,296,163	27,141,784
29	Non-Residential DSM Revenue Requirement True-up Amount					10,927,797
30	Projected NC Non-Residential Sales (\$/Wh) for billing period					22,940,780
31	Non-Residential Bidder DSM (cents per kWh)					8.0346

1 Adjustments to DSM participation were identified and traced up in 2014. The Company has also received final E&E and participation for EE programs.
2 The cap adjustment factor was updated in Miller Exhibit 4 for actual 2014 collections and estimated 2015 collections.
3 Lost revenue estimates have been subject to a final true-up subject to results of E&E and participation. Year by year details are shown in Miller Exhibit 2, page 1.
4 Component can be found at Miller Exhibit 1, page 3 and related details of the lost revenue estimate can be found in Miller Exhibit 2, page 1.

Duke Energy Carolinas, LLC
EE/DSM Vintage 3 (January 1, 2013 - December 31, 2013)
Docket Number E-7, Sub 1673
True-Up of Avoided Cost Revenue Requirements For Vintage 3
True-up of Lost Revenues for Years 1, 2 and 3

	Miller 5	Miller 4	Miller 6	Miller 6	Miller 6	Miller 7	Vintage 3 - Residential EE
Year up of Original Filing & Year 3 Lost Rev. Estimate	19,337,997	2,449	2,954,233	3,412,508	(177,138)	1	22,397,936
Barnes Exhibit 1 pg. 4, Line 8	8,254,399		2,978,722	1,456,639	(7,883)	2	12,857,408
Barnes Exhibit 1 pg. 4, Line 9	27,592,397	0	2,978,722	0	4,869,346	3	35,252,344
Line 1 - Line 2							15,083,327
Miller Exhibit 4 pg. 1, Line 35	27,592,397		4,744,553	4,869,346	(1,120,788)	4	29,375,002
Line 3 - Line 4							various
Miller Exhibit 2, pg. 13	1,017,953	1,017,953	1,017,953	1,017,953	1,017,953	5	various
Line 5 - Line 6	29,087,783		(1,783,238)	4,875,830	(1,127,295)	6	30,073,089
Barnes Exhibit 2 pg. 1	10,158,215	3,047,820	5,574,330	1,595,854	2,330,477	7	25,899,277
Line 7 - Line 8	38,245,578	3,047,820	3,806,101	1,595,854	7,206,306	8	55,772,295
Miller Exhibit 3 pg. 1, Line 9							59,841,509
Line 9 - Line 10							14,089,315

See Miller Exhibit A for rates

	Miller 5	Miller 4	Miller 6	Miller 6	Miller 6	Miller 7	Vintage 3 - Non- Residential EE
Year up of Original Filing & Year 3 Lost Rev. Estimate	27,084,888	715,578	(4,857,296)	4,779,086	515,587	1	33,096,730
Barnes Exhibit 1 pg. 4, Line 17	27,084,888		(3,941,718)	4,779,086	575,512	2	28,498,348
Miller Exhibit 4 pg. 1, Line 36	1,078,554	1,078,554	1,001,852	1,001,852	1,001,852	3	various
Line 12 - Line 13	29,003,779		(4,012,494)	4,786,348	576,290	4	29,374,734
Miller Exhibit 2, pg. 13	3,981,050	1,418,749	3,017,305	1,205,284	952,907	5	13,803,940
Line 14 - Line 15	32,001,838.3	1,418,749	(995,181)	1,205,284	5,739,035	6	42,971,874
Barnes Exhibit 2 pg. 1							36,889,399
Line 16 - Line 17							6,102,275
Miller Exhibit 3 pg. 1, Line 16							21,516,978.751
Line 18 - Line 19							0.0029
Miller Exhibit 6 pg. 1, Line 21							
Line 20/Line 21-100							

Note: Vintage 3 Year 3 lost revenues will be true-up in Miller 7

	Miller 5	Miller 4	Miller 6	Miller 6	Miller 6	Miller 7	Vintage 3 - Non- Residential DSM
Year up of Original Filing & Year 3 Lost Rev. Estimate	10,817,002	1,772,381	(1,860,003)	1,908,883	(9,705)	1	14,489,271
Barnes Exhibit 1 pg. 4	10,817,002		(1,860,003)	1,908,883	(9,705)	2	12,156,972
Miller Exhibit 4							various
Line 23 - Line 24	10,817,002	1,772,381	(1,860,003)	1,908,883	(9,705)	3	12,156,972
Miller Exhibit 2, pg. 13	1,017,953	1,017,953	1,017,953	1,017,953	1,017,953	4	various
Line 25 - Line 26	11,190,773	1,804,130				5	12,994,903
Miller Exhibit 3 pg. 1							13,146,993
Line 27-Line 28							(153,040)
Miller Exhibit 8 Line 18							(10,457)
Line 29-Line 30							(182,442)
Miller Exhibit 6 pg. 1							23,100,270.941
Line 31/Line 32-100							(0.0005)

RESIDENTIAL

- 1 EE Avoided Cost Component
- 2 DSM Avoided Cost Component
- 3 Total EE and DSM Avoided Cost
- 4 Cap Adjustment factor
- 5 DSM/EE Avoided Cost Component adjusted for Cap
- 6 Gross Receipts Tax and Regulatory Fee
- 7 Adjusted Avoided Cost Revenue Requirement
- 8 Residential Lost Revenues
- 9 Total Residential Revenue Requirement
- 10 Total Collected for Vintage 3 (Meters 3-5 Actuals, Rider 6 estimate)
- 11 Residential EE/DSM Revenue Requirement True-up Amount

NON-RESIDENTIAL

- 12 Energy Efficiency
- 13 Non-Residential EE Avoided Cost Component
- 14 Cap Adjustment factor
- 15 EE Avoided Cost Component Adjusted for Cap
- 16 Gross Receipts Tax and Regulatory Fee
- 17 Total Non-Residential EE Avoided Cost Revenue Requirement
- 18 Non-Residential Lost Revenues
- 19 Total Non-Residential EE Revenue Requirement
- 20 Total Collected for Vintage 3 (Meters 3-5 Actuals, Rider 6 estimate)
- 21 Non-Residential EE Revenue Requirement True-up Amount
- 22 Projected NC Non-Residential Sales (MWh) for billing period
- 23 Non-Residential Rider EE (cents per kWh)

Note: Vintage 3 Year 3 lost revenues will be true-up in Miller 7

DSM

- 23 Non-Residential DSM Avoided Cost Component
- 24 Cap Adjustment factor
- 25 Non-Residential DSM Avoided Cost Component adjusted for Cap
- 26 Gross Receipts Tax and Regulatory Fee
- 27 Total Non-Residential DSM Revenue Requirement
- 28 Total Collected for Vintage 3 (Meters 3-5 Actuals, Rider 6 estimate)
- 29 Non-Residential DSM Revenue Requirement True-up Amount
- 30 Interest due to Vintage 3 DSM Non-Residential Customers
- 31 Total Non-Residential Vintage 3 Revenue Requirement
- 32 Projected NC Non-Residential Sales (MWh) for billing period
- 33 Non-Residential Rider EE (cents per kWh)

1 Adjustments to DSM participation were identified and true-up in 2014. The Company has also received final E&S and participation for EE programs.
2 The cap adjustment factor was updated in Miller Exhibit 4 for actual 2014 collections and estimated 2015 collections.
3 Updated lost revenues by year can be found in Barnes Exhibit 2, page 1. Year 2015 has been updated with most recent participation and lost revenue rates as this is the final DSM true-up.

RESIDENTIAL

1	EE Avoided Cost Component
2	DDM Avoided Cost Component
3	Total EE and DDM Avoided Cost
4	Cap Adjustment Factor
5	DDM/EE Avoided Cost Component adjusted for Cap
6	Gross Receipts Tax and Inflationary Fee
7	Adjusted Avoided Cost Revenue Requirement
8	Residential Load Revenues
9	Total Residential Revenue Requirement
10	Total Collected for Voltage 4 (Milder 4-5, Actuals)
11	Total Collected for Voltage 5 (Milder 5, Actuals)
12	Total Collected for Voltage 6 (Milder 6, Actuals)
13	Total Collected for Voltage 7 (Milder 7, Actuals)
14	Total Collected for Voltage 8 (Milder 8, Actuals)
15	Total Collected for Voltage 9 (Milder 9, Actuals)
16	Total Collected for Voltage 10 (Milder 10, Actuals)
17	Total Collected for Voltage 11 (Milder 11, Actuals)
18	Total Collected for Voltage 12 (Milder 12, Actuals)
19	Total Collected for Voltage 13 (Milder 13, Actuals)
20	Total Collected for Voltage 14 (Milder 14, Actuals)
21	Total Collected for Voltage 15 (Milder 15, Actuals)
22	Total Collected for Voltage 16 (Milder 16, Actuals)
23	Total Collected for Voltage 17 (Milder 17, Actuals)
24	Total Collected for Voltage 18 (Milder 18, Actuals)
25	Total Collected for Voltage 19 (Milder 19, Actuals)
26	Total Collected for Voltage 20 (Milder 20, Actuals)
27	Total Collected for Voltage 21 (Milder 21, Actuals)
28	Total Collected for Voltage 22 (Milder 22, Actuals)
29	Total Collected for Voltage 23 (Milder 23, Actuals)
30	Total Collected for Voltage 24 (Milder 24, Actuals)
31	Total Collected for Voltage 25 (Milder 25, Actuals)
32	Total Collected for Voltage 26 (Milder 26, Actuals)
33	Total Collected for Voltage 27 (Milder 27, Actuals)
34	Total Collected for Voltage 28 (Milder 28, Actuals)
35	Total Collected for Voltage 29 (Milder 29, Actuals)
36	Total Collected for Voltage 30 (Milder 30, Actuals)
37	Total Collected for Voltage 31 (Milder 31, Actuals)
38	Total Collected for Voltage 32 (Milder 32, Actuals)
39	Total Collected for Voltage 33 (Milder 33, Actuals)
40	Total Collected for Voltage 34 (Milder 34, Actuals)
41	Total Collected for Voltage 35 (Milder 35, Actuals)
42	Total Collected for Voltage 36 (Milder 36, Actuals)
43	Total Collected for Voltage 37 (Milder 37, Actuals)
44	Total Collected for Voltage 38 (Milder 38, Actuals)
45	Total Collected for Voltage 39 (Milder 39, Actuals)
46	Total Collected for Voltage 40 (Milder 40, Actuals)
47	Total Collected for Voltage 41 (Milder 41, Actuals)
48	Total Collected for Voltage 42 (Milder 42, Actuals)
49	Total Collected for Voltage 43 (Milder 43, Actuals)
50	Total Collected for Voltage 44 (Milder 44, Actuals)
51	Total Collected for Voltage 45 (Milder 45, Actuals)
52	Total Collected for Voltage 46 (Milder 46, Actuals)
53	Total Collected for Voltage 47 (Milder 47, Actuals)
54	Total Collected for Voltage 48 (Milder 48, Actuals)
55	Total Collected for Voltage 49 (Milder 49, Actuals)
56	Total Collected for Voltage 50 (Milder 50, Actuals)
57	Total Collected for Voltage 51 (Milder 51, Actuals)
58	Total Collected for Voltage 52 (Milder 52, Actuals)
59	Total Collected for Voltage 53 (Milder 53, Actuals)
60	Total Collected for Voltage 54 (Milder 54, Actuals)
61	Total Collected for Voltage 55 (Milder 55, Actuals)
62	Total Collected for Voltage 56 (Milder 56, Actuals)
63	Total Collected for Voltage 57 (Milder 57, Actuals)
64	Total Collected for Voltage 58 (Milder 58, Actuals)
65	Total Collected for Voltage 59 (Milder 59, Actuals)
66	Total Collected for Voltage 60 (Milder 60, Actuals)
67	Total Collected for Voltage 61 (Milder 61, Actuals)
68	Total Collected for Voltage 62 (Milder 62, Actuals)
69	Total Collected for Voltage 63 (Milder 63, Actuals)
70	Total Collected for Voltage 64 (Milder 64, Actuals)
71	Total Collected for Voltage 65 (Milder 65, Actuals)
72	Total Collected for Voltage 66 (Milder 66, Actuals)
73	Total Collected for Voltage 67 (Milder 67, Actuals)
74	Total Collected for Voltage 68 (Milder 68, Actuals)
75	Total Collected for Voltage 69 (Milder 69, Actuals)
76	Total Collected for Voltage 70 (Milder 70, Actuals)
77	Total Collected for Voltage 71 (Milder 71, Actuals)
78	Total Collected for Voltage 72 (Milder 72, Actuals)
79	Total Collected for Voltage 73 (Milder 73, Actuals)
80	Total Collected for Voltage 74 (Milder 74, Actuals)
81	Total Collected for Voltage 75 (Milder 75, Actuals)
82	Total Collected for Voltage 76 (Milder 76, Actuals)
83	Total Collected for Voltage 77 (Milder 77, Actuals)
84	Total Collected for Voltage 78 (Milder 78, Actuals)
85	Total Collected for Voltage 79 (Milder 79, Actuals)
86	Total Collected for Voltage 80 (Milder 80, Actuals)
87	Total Collected for Voltage 81 (Milder 81, Actuals)
88	Total Collected for Voltage 82 (Milder 82, Actuals)
89	Total Collected for Voltage 83 (Milder 83, Actuals)
90	Total Collected for Voltage 84 (Milder 84, Actuals)
91	Total Collected for Voltage 85 (Milder 85, Actuals)
92	Total Collected for Voltage 86 (Milder 86, Actuals)
93	Total Collected for Voltage 87 (Milder 87, Actuals)
94	Total Collected for Voltage 88 (Milder 88, Actuals)
95	Total Collected for Voltage 89 (Milder 89, Actuals)
96	Total Collected for Voltage 90 (Milder 90, Actuals)
97	Total Collected for Voltage 91 (Milder 91, Actuals)
98	Total Collected for Voltage 92 (Milder 92, Actuals)
99	Total Collected for Voltage 93 (Milder 93, Actuals)
100	Total Collected for Voltage 94 (Milder 94, Actuals)
101	Total Collected for Voltage 95 (Milder 95, Actuals)
102	Total Collected for Voltage 96 (Milder 96, Actuals)
103	Total Collected for Voltage 97 (Milder 97, Actuals)
104	Total Collected for Voltage 98 (Milder 98, Actuals)
105	Total Collected for Voltage 99 (Milder 99, Actuals)
106	Total Collected for Voltage 100 (Milder 100, Actuals)
107	Total Collected for Voltage 101 (Milder 101, Actuals)
108	Total Collected for Voltage 102 (Milder 102, Actuals)
109	Total Collected for Voltage 103 (Milder 103, Actuals)
110	Total Collected for Voltage 104 (Milder 104, Actuals)
111	Total Collected for Voltage 105 (Milder 105, Actuals)
112	Total Collected for Voltage 106 (Milder 106, Actuals)
113	Total Collected for Voltage 107 (Milder 1

2013 Original Filing	Exhibit 4	Exhibit 5	Exhibit 6	2013 Type of Credit & Year of Receipts	Exhibit 6	2013 Type of ESB to Submit	Exhibit 7
Barrows Exhibit 1 pg. 5, Line 8	5,985,462		11,553,708	1,052,729		1,052,729	12,606,438
Barrows Exhibit 1 pg. 5, Line 9	11,272,591		1113,778	1,989,614		1,989,614	13,262,205
Barrows Exhibit 1 pg. 5, Line 10	17,241,053		11,421,509	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 35	17,241,053		14,644,595	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 36	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 37	1,026,854		1,021,352	1,001,352		1,001,352	2,028,206
Barrows Exhibit 2 pg. 1, Line 38	1,026,854		1,021,352	1,001,352		1,001,352	2,028,206
Barrows Exhibit 2 pg. 1, Line 39	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 40	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 41	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 42	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 43	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 44	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 45	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 46	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 47	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 48	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 49	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 50	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 51	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 52	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 53	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 54	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 55	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 56	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 57	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 58	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 59	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 60	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 61	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 62	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 63	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 64	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 65	17,241,053		8,496,629	3,042,539		3,042,539	20,283,542
Barrows Exhibit 2 pg. 1, Line 66	17,241,053		8,496,629	3,042,539		3,042,539	2

See Miller Exhibit A for more

NON-RESIDENTIAL

Energy Efficiency

12	Non-Residential EE Avoided Cost Component	
13	Cap Adjustment Factor	
14	EE Avoided Cost Component Adjusted for Cap	
15	Gross Receipts Tax and Regulatory Fee	
16	Total Non-Residential Avoided Cost Revenue	
17	Non-Residential Lost Revenues	
18	Total Non-Residential EE Revenue Requirement	
19	Total Collected for Voltage (Rider 4.5 Actuals, Rider 6 Estimate)	
20	Non-Residential EE Revenue Requirement Try-up Amount	
21	Projected NC Non-Residential Sales (MWh) for Billing period	
22	Non-Residential EE Rate (cents per kWh)	

Model 4	Model 5	Model 4 2015 Free up of Costs & Year 5 Loss Decreases	Model 6 2015 Free up of BSP to 2005	Model 7 2010 Free up	Model 8 2010 Free up
2013 Original Filing	18,790,423	9,250,045 (3,215,788)	3,336,083	218,576 (1,091,871)	31,548,107 (4,807,159)
	18,790,423	6,034,757	3,336,083	(872,895)	27,732,948
	1,094,554	1,001,852	1,001,852	1,001,852	1,001,852
	18,468,071	6,042,916	3,335,189	(874,043)	27,732,948
	632,482	2,812,719	2,776,141	1,111,353	17,001,850
	20,040,852	2,817,719	13,819,059	5,100,170	45,284,500
			2,428,400		57,908,248
					7,906,252
					23,966,011,232
					6,839

WISD

23	Non-Residential DSM Anchored Cost Component	
24	Cap Adjustment Factor	
25	Non-Residential DSM Anchored Cost Component adjusted for Cap	
26	Great Recession Tax and Regulatory Fee	
27	Total Non-Residential DSM Revenue Requirement	
28	Total Collected for Vintage 4 (Wider 4.5 Actuals, Wider 4.5 Estimate)	
29	Non-Residential DSM Revenue Requirement True-up Amount	
30	Projected HC Non-Residential Sales (NWA) for Billing Period	
31	Non-Residential Billing (\$2 Issues not NWA)	

[illegible]

Agreements to DSM participation were identified and traced up to 2014. The Company has also received final DAILY and participation for EE programs. The cap adjustment factor was updated in Miller Exhibit 4 for actual 2014 collections and estimated 2015 collections.

Note: Updated lost revenues by year can be found in Barnes Exhibit 2, page 1. Year 2015 has been updated with most recent participation and lost revenue rates as this is the final SAW true up. In addition, 2016 year 4 has been included as a final estimate.

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Estimated Year 2 Lost Revenues for Vintage Year 2015

RESIDENTIAL

Line

- 1 Residential Lost Revenues - Year 2
- 2 Projected NC Residential Sales (kWh)
- 3 NC Residential EE Billing factor (Cents/kWh)

Reference
Barnes Exhibit 2 pg. 2 Line 36
Miller Exhibit 6 pg. 2, Line 1
Line 1/Line 2*100

2015	
\$	4,071,955
	21,674,738,000
	0.0188

NON-RESIDENTIAL

Energy Efficiency Programs

- 4 Non-Residential Net Lost Revenues - Year 2
- 5 Projected NC Residential Sales (kWh)
- 6 NC Non-Residential EE Billing Factor (Cents/kwh)

Reference
Barnes Exhibit 2 pg. 2 Line 50
Miller Exhibit 2 pg. 7, Line 19
Line 4/Line 5*100

2015	
\$	8,194,003
	23,753,678,227
	0.0345

Miller Exhibit 2, page 7

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Estimated Program Costs, Earned Incentive and Lost Revenues for Vintage Year 2016

RESIDENTIAL

Line	Reference	2016
1 Residential EE Program Cost	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	\$ 31,056,079
2 Residential EE Earned Utility Incentive	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	2,392,652
3 Total EE Program Cost and Incentive Components	Line 1 + Line 2	33,448,730
4 Residential DSM Program Cost	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	10,613,016
5 Residential DSM Earned Utility Incentive	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	2,887,418
6 Total DSM Program Cost and Incentive Components	Line 4 + Line 5	13,500,433
7 Total EE/DSM Program Cost and Incentive Components	Line 3 + Line 6	46,949,164
8 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 13	1.001352
9 Total EE/DSM Program Cost and Incentive Revenue Requirement	Line 7 * Line 8	47,012,639
10 Residential Net Lost Revenues	Barnes Exhibit 2 pg. 2 Line 61	11,873,767
11 Total Residential EE Revenue Requirement	Line 9 + Line 10	\$ 58,886,406

See Miller Exhibit 1
for rate

NON-RESIDENTIAL Energy Efficiency Programs

Line	Reference	2016
12 Non- Residential EE Program Cost	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	\$ 36,494,611
13 Non-Residential EE Earned Utility Incentive	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	10,105,721
14 Total EE Program Cost and Incentive Components	Line 12 + Line 13	46,600,331
15 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 13	1.001352
16 Total Non-Residential EE Program Cost and Incentive Revenue Requirements	Line 14 * Line 15	46,663,335
17 Non-Residential Net Lost Revenues	Barnes Exhibit 2 pg. 2 Line 75	4,745,315
18 Total Non-Residential EE Revenue Requirement	Line 16 + Line 17	\$ 51,408,650
19 Projected NC Residential Sales (kWh)	Miller Exhibit 6, pg. 2	23,753,678,227
20 NC Non-Residential EE billing factor (Cents/kWh)	Line 18/Line 19*100	0.2164

DSM Programs

Line	Reference	2016
21 Non-Residential DSM Program Cost	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	\$ 12,855,910
22 Non-Residential DSM Earned Utility Incentive	Barnes Exhibit 1, pg. 7 * NC Alloc. Factor	3,497,628
23 Total Non-Residential DSM Program Cost and Incentive Components	Line 21 + Line 22	16,353,538
24 Revenue-related taxes and regulatory fees factor	Miller Exhibit 2, pg. 13	1.001352
25 Total Non-Residential DSM Revenue Requirement	Line 23 * Line 24	16,375,648
26 Projected NC Non-Residential Sales (kWh)	Miller Exhibit 6, pg. 2	23,082,735,561
27 NC Non-Residential DSM billing factor	Line 25/Line 26*100	0.0709

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Estimated Interest Calculation - SAW Program

NON-RESIDENTIAL DSM Programs

VINTAGE 3

1 Vintage 3	Miller Exh 2 pg. 3 Line 29	(152,040)
		(152,040)
2 Annual interest rate	Same as used for fuel	10.00%
3 Monthly interest rate	Line 2/12	0.83%
4 Beginning interest incurred date	Mid-point of test period	7/1/2014
5 Ending date	Mid-point of rate period	6/30/2016
6 Total months to calculate interest		24
7 Total interest due	Line 1 * Line 3 * Line 6	(30,408)

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Estimated Return Calculation - Residential EE Programs Vintage 2014

		Residential EE Program Costs Incurred	NC Allocation %	NC Allocated EE Program Costs	NC Residential Revenue Collected(EEC2)	NC Residential EE Program Collection %	EE Program Costs Revenue Collected	{Over}/Under Collection
NC Residential EE			Miller Exhibit 5 pg. 6, Line 4			see calc. at right		
2014	January	2,345,126	72.9600473%	1,711,005	1,965,528	62.0990604%	(1,220,574)	490,431
2014	February	1,939,655	72.9600473%	1,415,174	4,790,497	62.0990604%	(2,974,854)	(1,559,680)
2014	March	2,388,597	72.9600473%	1,742,722	3,571,294	62.0990604%	(2,217,740)	(475,018)
2014	April	2,800,794	72.9600473%	2,043,460	2,996,350	62.0990604%	(1,880,705)	182,755
2014	May	3,504,706	72.9600473%	2,557,035	2,605,626	62.0990604%	(1,618,069)	938,966
2014	June	3,049,089	72.9600473%	2,224,617	3,281,724	62.0990604%	(2,097,920)	186,697
2014	July	4,165,240	72.9600473%	3,038,961	3,939,031	62.0990604%	(2,446,101)	592,859
2014	August	4,277,377	72.9600473%	3,120,776	3,417,322	62.0990604%	(2,122,125)	998,652
2014	September	2,815,581	72.9600473%	2,054,249	3,539,784	62.0990604%	(2,198,173)	(143,924)
2014	October	3,790,918	72.9600473%	2,765,856	2,460,025	62.0990604%	(1,527,652)	1,238,204
2014	November	3,405,295	72.9600473%	2,484,505	2,448,958	62.0990604%	(1,520,780)	963,725
2014	December	3,772,108	72.9600473%	2,752,132	3,980,410	62.0990604%	(2,471,797)	280,335
2015	January	0	72.9600473%	-	2,517,177	62.0990604%	(1,563,143)	(1,563,143)
		38,254,486		27,910,491	41,513,726			

EE Program Costs	27,910,490
EE Revenue Requirement	44,945,109
% Revenue related to Program Costs	62%

		Cumulative (Over)/Under Recovery	Deferred Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
NC Residential EE			2014 tax rate				6.93%			1-.379155	
2014	January	490,431	0.383471	188,066	188,066	302,365	0.005775	873	873	0.620845	1,406
2014	February	(1,069,250)	0.383471	(598,092)	(410,026)	(659,224)	0.005775	(1,030)	(157)	0.620845	(253)
2014	March	(1,544,268)	0.383471	(182,156)	(592,182)	(952,086)	0.005775	(4,653)	(4,810)	0.620845	(7,748)
2014	April	(1,361,513)	0.383471	70,081	(522,101)	(839,412)	0.005775	(5,173)	(9,983)	0.620845	(16,080)
2014	May	(422,547)	0.383471	360,066	(162,094)	(260,512)	0.005775	(3,176)	(13,159)	0.620845	(21,196)
2014	June	(235,850)	0.383471	71,593	(90,442)	(145,408)	0.005775	(1,172)	(14,331)	0.620845	(23,084)
2014	July	357,010	0.383471	227,344	136,903	220,107	0.005775	216	(14,116)	0.620845	(22,736)
2014	August	1,355,661	0.383471	382,954	519,857	835,804	0.005775	3,049	(11,067)	0.620845	(17,825)
2014	September	1,211,738	0.383471	(55,191)	464,666	747,071	0.005775	4,571	(6,496)	0.620845	(10,463)
2014	October	2,449,941	0.383471	474,815	939,481	1,510,460	0.005775	6,519	23	0.620845	37
2014	November	3,413,666	0.383471	369,560	1,309,042	2,104,624	0.005775	10,439	10,462	0.620845	16,851
2014	December	3,694,001	0.383471	107,500	1,416,542	2,277,459	0.005775	12,654	23,115	0.620845	37,232
2015	January	2,130,857	0.383471	(599,420)	817,122	1,313,735	0.005775	10,370	33,485	0.620845	53,935
								33,485			53,935

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Estimated Return Calculation - Residential DSM Programs Vintage 2014

NC Residential DSM		Total System NC DSM Program Costs Incurred	NC Residential DSM Allocation %	NC Allocated DSM Residential Program Costs	NC Residential Revenue Collected (EEC2)	NC Residential DSM Program Collection %	DSM Program Costs Revenue Collected	(Over)/Under Collection
		Miller Exhibit 5, pg 6 Line 9			See calc. at right			
2014	January	1,853,709	34.0209980%	630,650	801,545	75.0945957%	(601,917)	28,733
2014	February	1,977,838	34.0209980%	672,880	1,953,572	75.0945957%	(1,467,027)	(794,147)
2014	March	2,263,839	34.0209980%	770,180	1,456,379	75.0945957%	(1,093,662)	(323,481)
2014	April	2,327,907	34.0209980%	791,977	1,221,916	75.0945957%	(917,593)	(125,616)
2014	May	2,953,411	34.0209980%	1,004,780	1,062,578	75.0945957%	(797,939)	206,841
2014	June	2,326,109	34.0209980%	791,366	1,338,292	75.0945957%	(1,004,985)	(213,619)
2014	July	3,521,875	34.0209980%	1,198,177	1,597,016	75.0945957%	(1,199,273)	(1,096)
2014	August	3,245,158	34.0209980%	1,104,035	1,385,497	75.0945957%	(1,040,433)	63,802
2014	September	3,836,775	34.0209980%	1,305,309	1,435,148	75.0945957%	(1,077,718)	227,591
2014	October	3,227,894	34.0209980%	1,098,162	997,377	75.0945957%	(748,976)	349,186
2014	November	2,015,259	34.0209980%	685,611	992,890	75.0945957%	(745,607)	(59,996)
2014	December	1,633,412	34.0209980%	555,703	1,613,792	75.0945957%	(1,211,871)	(656,167)
2015	January		34.0209980%	-	1,020,548	75.0945957%	(766,377)	(766,377)
		31,183,185		10,608,831	16,876,548			

DSM Program Costs	10,608,831
DSM Revenue Requirement	14,127,288
% Revenue related to Program Costs	75%

NC Residential DSM		Cumulative (Over)/Under Recovery	Deferred Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2014 tax rate			6.93%			1-.379155			
2014	January	28,733	0.383471	11,018	11,018	17,715	0.005775	51	51	0.620845	82
2014	February	(765,414)	0.383471	(304,532)	(293,514)	(471,900)	0.005775	(1,311)	(1,260)	0.620845	(2,030)
2014	March	(1,088,895)	0.383471	(124,046)	(417,560)	(671,335)	0.005775	(3,301)	(4,561)	0.620845	(7,347)
2014	April	(1,214,510)	0.383471	(48,170)	(465,729)	(748,781)	0.005775	(4,101)	(8,662)	0.620845	(13,952)
2014	May	(1,007,669)	0.383471	79,318	(386,412)	(621,257)	0.005775	(3,956)	(12,618)	0.620845	(20,324)
2014	June	(1,221,288)	0.383471	(81,917)	(468,329)	(752,959)	0.005775	(3,968)	(16,586)	0.620845	(26,715)
2014	July	(1,222,384)	0.383471	(420)	(468,749)	(753,635)	0.005775	(4,350)	(20,936)	0.620845	(33,722)
2014	August	(1,158,782)	0.383471	24,389	(444,359)	(714,423)	0.005775	(4,239)	(25,175)	0.620845	(40,550)
2014	September	(931,191)	0.383471	87,274	(357,085)	(574,106)	0.005775	(3,721)	(28,896)	0.620845	(46,543)
2014	October	(582,005)	0.383471	133,903	(223,182)	(358,823)	0.005775	(2,694)	(31,590)	0.620845	(50,882)
2014	November	(642,001)	0.383471	(23,007)	(246,189)	(395,812)	0.005775	(2,179)	(33,769)	0.620845	(54,392)
2014	December	(1,298,168)	0.383471	(251,621)	(497,810)	(800,358)	0.005775	(3,454)	(37,223)	0.620845	(59,955)
2015	January	(2,064,543)	0.383471	(293,883)	(791,693)	(1,272,852)	0.005775	(5,986)	(43,209)	0.620845	(69,597)
								(43,209)			(69,597)

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Estimated Return Calculation - Non-Residential EE Programs Vintage 2014

NC Non-Residential EE		Non-Residential EE Program Costs Incurred	NC Allocation %	NC Allocated EE Program Costs	NC Residential Revenue Collected (EEC14)	NC Non- Residential EE Program Collection %	Non-Residential EE Program Costs Revenue Collected	(Over)/Under Collection
		Miller Exhibit 5, pg 6, Line 4			See calc. at right			
2014	January	1,402,202	72.9600473%	1,023,047	873,873	56.8181711%	(496,519)	526,529
2014	February	787,200	72.9600473%	574,342	1,906,629	56.8181711%	(1,083,312)	(508,970)
2014	March	2,047,090	72.9600473%	1,493,558	1,730,198	56.8181711%	(983,067)	510,491
2014	April	1,881,253	72.9600473%	1,372,563	1,818,402	56.8181711%	(1,033,183)	339,380
2014	May	1,352,150	72.9600473%	986,529	1,841,327	56.8181711%	(1,046,209)	(59,679)
2014	June	3,031,236	72.9600473%	2,211,591	2,078,943	56.8181711%	(1,181,217)	1,030,374
2014	July	1,652,175	72.9600473%	1,205,428	2,112,332	56.8181711%	(1,200,188)	5,239
2014	August	666,430	72.9600473%	486,228	2,059,199	56.8181711%	(1,169,999)	(683,771)
2014	September	2,603,310	72.9600473%	1,899,376	2,121,927	56.8181711%	(1,205,640)	693,736
2014	October	1,387,748	72.9600473%	1,012,502	1,841,200	56.8181711%	(1,046,136)	(33,634)
2014	November	1,478,658	72.9600473%	1,078,830	1,708,943	56.8181711%	(969,854)	108,975
2014	December	2,006,192	72.9600473%	1,463,718	1,819,475	56.8181711%	(1,033,793)	429,926
2015	January		72.9600473%	-	664,487	56.8181711%	(377,550)	(377,550)
		20,295,644		14,807,712	22,574,937			

Non-Res EE Program Costs	14,807,710
Non-Res EE Revenue Requirement	26,061,575
% Revenue related to Program Costs	57%

NC Non-Residential EE		Cumulative (Over)/Under Recovery	Deferred Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
		2014 tax rate		6.93%			1 - .379155				
2014	January	526,529	0.383471	201,908.46	201,908	324,620	0.005775	937	937	0.620845	1,510
2014	February	17,558	0.383471	(195,175.35)	6,733	10,825	0.005775	969	1,906	0.620845	3,070
2014	March	528,049	0.383471	195,758.43	202,492	325,558	0.005775	971	2,877	0.620845	4,634
2014	April	867,429	0.383471	130,142.30	332,634	534,795	0.005775	2,484	5,362	0.620845	8,636
2014	May	807,750	0.383471	(22,885.31)	309,749	498,001	0.005775	2,982	8,344	0.620845	13,439
2014	June	1,838,124	0.383471	395,118.54	704,867	1,133,256	0.005775	4,710	13,054	0.620845	21,026
2014	July	1,843,363	0.383471	2,009.17	706,876	1,136,487	0.005775	6,554	19,608	0.620845	31,583
2014	August	1,159,592	0.383471	(262,206.49)	444,670	714,922	0.005775	5,346	24,954	0.620845	40,193
2014	September	1,853,328	0.383471	266,027.70	710,697	1,142,630	0.005775	5,364	30,317	0.620845	48,833
2014	October	1,819,694	0.383471	(12,897.69)	697,800	1,121,894	0.005775	6,539	36,856	0.620845	59,365
2014	November	1,928,669	0.383471	41,788.93	739,589	1,189,080	0.005775	6,673	43,529	0.620845	70,113
2014	December	2,358,595	0.383471	164,864.02	904,453	1,454,142	0.005775	7,632	51,162	0.620845	82,406
2015	January	1,981,045	0.383471	(144,779.31)	759,673	1,221,372	0.005775	7,726	58,887	0.620845	94,850
								58,887			94,850

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Estimated Return Calculation -Non - Residential DSM Programs Vintage 2014

		Incentives Earned & GRT remitted		Non-Residential		Non-Residential		Non-Residential		(Over)/Under	
NC Non- Residential DSM		Total System MC DSM Program Costs Incurred	NC Non- Residential DSM Allocation %	NC Allocated DSM Non-Residential Program Costs	(Allocated based on WA of Program Costs Incurred)	Total DSM Revenue Requirement	NC Non-Residential DSM Revenue Collected(DS14)	NC Non-Residential DSM Program Collection %	Non-Residential DSM Program Costs Revenue Collected	(Over)/Under Collection	
		See Miller Exhibit 5 pg. 6, Line 10		calculated interest on entire balance due to over-collection in total		100% used due to over-collection of entire vintage					
2014	January	1,853,709	41.2108021%	763,928	252,283	1,016,211	715,425	100.0000000%	(771,425)	300,786	
2014	February	1,977,838	41.2108021%	815,083	269,176	1,084,259	1,545,880	100.0000000%	(1,545,880)	(461,622)	
2014	March	2,263,839	41.2108021%	932,946	308,100	1,241,046	1,379,174	100.0000000%	(1,379,174)	(138,128)	
2014	April	2,327,907	41.2108021%	959,349	316,819	1,276,168	1,475,418	100.0000000%	(1,475,418)	(199,250)	
2014	May	2,953,411	41.2108021%	1,217,124	401,948	1,619,072	1,483,279	100.0000000%	(1,483,279)	135,793	
2014	June	2,326,109	41.2108021%	958,608	316,575	1,275,183	1,664,945	100.0000000%	(1,664,945)	(389,762)	
2014	July	3,521,875	41.2108021%	1,451,393	479,314	1,930,707	1,716,762	100.0000000%	(1,716,762)	213,944	
2014	August	3,245,158	41.2108021%	1,337,356	441,654	1,779,009	1,659,220	100.0000000%	(1,659,220)	119,789	
2014	September	3,836,775	41.2108021%	1,581,166	522,170	2,103,336	1,699,354	100.0000000%	(1,699,354)	403,982	
2014	October	3,227,894	41.2108021%	1,330,241	439,304	1,769,545	1,492,291	100.0000000%	(1,492,291)	277,254	
2014	November	2,015,259	41.2108021%	830,504	274,269	1,104,773	1,335,834	100.0000000%	(1,335,834)	(231,061)	
2014	December	1,633,412	41.2108021%	673,142	222,301	895,443	1,459,103	100.0000000%	(1,459,103)	(563,659)	
2015	January	-	41.2108021%	-	-	-	461,016	100.0000000%	(461,016)	(461,016)	
		31,183,185		12,850,841	4,243,911	17,094,752	18,087,702				

		Cumulative (Over)/Under Recovery	Deferred Income Tax Rate	Monthly Deferred Income Tax	Cumulative Deferred Income Tax	Net Deferred After Tax Balance	Monthly Return	Monthly A/T Return on Deferral	YTD After Tax Interest	Gross up of Return to Pretax Rate	Gross up of Return to Pretax
NC Residential EE		2014 tax rate				6.93%				1 - .379155	
2014	January	300,786	0.380225	114,366	114,366	186,420	0.005775	538	538	0.620845	867
2014	February	(160,835)	0.380225	(175,520)	(61,154)	(99,682)	0.005775	250	789	0.620845	1,270
2014	March	(288,963)	0.380225	(52,520)	(113,673)	(185,290)	0.005775	(823)	(34)	0.620845	(55)
2014	April	(498,214)	0.380225	(75,760)	(189,433)	(308,780)	0.005775	(1,427)	(1,461)	0.620845	(2,353)
2014	May	(362,421)	0.380225	51,632	(137,801)	(224,619)	0.005775	(1,540)	(3,001)	0.620845	(4,834)
2014	June	(752,183)	0.380225	(148,197)	(285,999)	(466,184)	0.005775	(1,995)	(4,996)	0.620845	(8,046)
2014	July	(538,238)	0.380225	81,347	(204,652)	(333,587)	0.005775	(2,309)	(7,305)	0.620845	(11,766)
2014	August	(418,449)	0.380225	45,547	(159,105)	(259,344)	0.005775	(1,712)	(9,017)	0.620845	(14,524)
2014	September	(14,467)	0.380225	153,804	(5,501)	(8,967)	0.005775	(775)	(9,792)	0.620845	(15,772)
2014	October	262,787	0.380225	105,419	99,918	162,869	0.005775	444	(9,347)	0.620845	(15,056)
2014	November	31,726	0.380225	(87,855)	12,063	19,663	0.005775	527	(8,820)	0.620845	(14,207)
2014	December	(531,933)	0.380225	(214,317)	(202,254)	(329,679)	0.005775	(895)	(9,716)	0.620845	(15,649)
2015	January	(992,950)	0.380225	(175,290)	(377,544)	(615,406)	0.005775	(2,729)	(12,444)	0.620845	(20,044)
								(12,444)			(20,044)

Duke Energy Carolinas, LLC
Docket No. E-7, Sub 1073
Gross Receipts Tax Years 2009-2016

	<u>Year</u>		<u>GRT Rate In Effect</u>
Rider 1	2009		1.034554
Rider 1	2010		1.034554
Rider 2	2011		1.034554
Rider 3	2012		1.034554
Rider 4	2013		1.034554
	2014	Jan - June	1.034554
		July - Dec	1.001352
Rider 5	2014	Weighted Average	1.017953
Rider 6	2015		1.001352
Rider 7	2016		1.001352

Duke Energy Carolinas, LLC
 DSM/EE Revenues Collected from Riders 1-6 (By Vintage)
 Docket Number E-7, Sub 1073
 For Vintages 1- 4 and Year 2014 True-Up Calculations

			Actual 2010 Rider 1	Actual 2011 Rider 2	Actual 2012 Rider 3	Actual 2013 Rider 4	Actual 2014 Rider 5	Estimate 2015 Rider 6 ⁽¹⁾	Total
Residential									
Line		Vintage							
1	EE	v1	\$ 25,916,921	\$ 6,366,243	\$ 17,575,779	\$ 929,553	\$ 674,570	\$ 2,884,169	\$ 54,347,236
2		v2		22,641,166	7,680,225	10,307,713	7,750,897	17,156,210	65,536,210
3		v3			8,610,393	2,933,257	21,501,477	16,970,485	50,015,612
4		v4				7,291,829	3,131,859	27,904,781	38,328,469
5		Year 2014					41,513,726	3,871,360	45,385,085
6		Year 2015						53,202,985	53,202,985
7	DSM	v1	6,461,100		2,357,720	(413,135)		(210,578)	8,195,107
8		v2		7,259,507		1,260,061		(1,200,218)	7,319,349
9		v3			10,713,375	-	(2,354,078)	1,466,599	9,825,897
10		v4				11,526,460		413,896	11,940,356
11		Year 2014					16,876,548		16,876,548
12		Year 2015						5,658,797	5,658,797
13	Total Residential		\$ 32,378,022	\$ 36,266,916	\$ 46,937,492	\$ 33,835,738	\$ 89,094,999	\$ 128,118,487	\$ 366,631,653
Non-Residential									
14	EE	v1	\$ 7,688,412	\$ 860,011	\$ 6,038,079	\$ 3,812,310	\$ (289,351)	\$ -	\$ 18,109,461
15		v2		7,165,813	1,039,274	12,137,871	1,415,164	2,349,137	24,107,260
16		v3			11,394,699	1,717,616	17,828,520	5,928,564	36,869,399
17		v4				19,795,122	3,107,562	14,485,563	37,388,248
18		Year 2014					22,574,937	4,760,481	27,335,418
19		Year 2015					-	25,545,057	25,545,057
20	DSM	v1	5,118,264		4,994,566	(311,608)		(65,988)	9,735,234
21		v2		7,594,483		3,378,237	-	(44,923)	10,927,797
22		v3			12,967,453	-	(1,109,322)	1,288,862	13,146,993
23		v4				14,182,324	-	681,813	14,864,137
24		Year 2014					18,087,702		18,087,702
25		Year 2015						19,453,552	19,453,552
26	Total Non-Residential		\$ 12,806,676	\$ 15,620,307	\$ 36,434,070	\$ 54,711,872	\$ 61,615,213	\$ 74,382,118	\$ 255,570,257
27	Total Revenue		\$ 45,184,698	\$ 51,887,223	\$ 83,371,563	\$ 88,547,610	\$ 150,710,212	\$ 202,500,605	\$ 622,201,910

⁽¹⁾ Rider 6 estimates based on the revised estimated forecast. See Miller Exhibit 3 page 3.

Duke Energy Carolinas, LLC
DSM/EE Revenues Collected from Riders 1-6 (By Vintage)
Docket Number E-7, Sub 1073
Revenue by Type for Riders 1-5 Actuals and Rider 6 estimates (SAW Program only)

			Actual 2010	Actual 2011	Actual 2012	Actual 2013	Actual 2014	Estimate 2015		
			Rider 1	Rider 2	Rider 3	Rider 4	Rider 5	Rider 6 ⁽¹⁾	Total	
Residential										
Line		Vintage								
1	EE/DSM-Avoided Costs	v1	\$ 23,845,842	\$ -	\$ 21,750,975	\$ (6,891,415)	\$ 837,024	\$ (1,034,124)	\$	38,508,303
2		v2	-	22,938,621	-	12,315,553	11,742	(9,643,903)		25,622,013
3		v3	-	-	18,077,050	-	10,257,628	7,109,157		35,443,836
4		v4	-	-	-	17,612,692	-	11,368,427		28,981,119
5	Lost Revenue	v1	8,532,180	6,366,243	(1,817,476)	7,407,834	(162,454)	3,707,715		24,034,040
6		v2	-	6,962,052	7,680,225	(747,779)	7,739,154	25,599,895		47,233,547
7		v3	-	-	1,246,718	2,933,257	8,889,771	11,327,927		24,397,673
8		v4	-	-	-	1,205,598	3,131,859	16,950,250		21,287,706
9	Total Residential		\$ 32,378,022	\$ 36,266,916	\$ 46,937,492	\$ 33,835,738	\$ 30,704,725	\$ 65,385,345	\$	245,508,237
Non-Residential										
10	EE Avoided Costs	v1	\$ 6,572,003	\$ -	\$ 7,233,409	\$ 3,066,725	\$ (348,179)	\$ -	\$	16,523,959
11		v2	-	6,225,978	-	11,932,378	-	(983,590)		17,174,766
12		v3	-	-	11,328,823	-	14,441,251	2,922,651		28,692,725
13		v4	-	-	-	19,170,692	-	7,704,941		26,875,632
14	DSM Avoided Costs	v1	5,118,264	-	4,994,566	(311,608)	-	(65,988)		9,735,234
15		v2	-	7,594,483	-	3,378,237	-	(44,923)		10,927,797
16		v3	-	-	12,967,453	-	(1,109,322)	1,288,862		13,146,993
17		v4	-	-	-	14,182,324	-	681,813		14,864,137
18	Lost Revenue	v1	1,116,409	860,011	(1,195,330)	745,585	58,828	-		1,585,502
19		v2	-	939,835	1,039,274	205,493	1,415,164	3,332,727		6,932,493
20		v3	-	-	65,876	1,717,616	3,387,269	3,005,913		8,176,674
21		v4	-	-	-	624,430	3,107,562	6,780,623		10,512,615
22	Total Non-Residential		\$ 12,806,676	\$ 15,620,307	\$ 36,434,070	\$ 54,711,872	\$ 20,952,574	\$ 24,623,028	\$	165,148,528
23	Total Revenue		\$ 45,184,698	\$ 51,887,223	\$ 83,371,563	\$ 88,547,610	\$ 51,657,299	\$ 90,008,373	\$	410,656,765

⁽¹⁾ Rider 6 estimates based on the revised estimated forecast. See Miller Exhibit 3 page 3.

Residential Billing Factors for Rider 6 with updated 2015 forecast

Line		
1	Rate for Vintage 1 True-Up	(WA of rate in Rider 6, McGee Exhibit 1) 0.0125
2	Updated 2015 Forecast	Miller Exhibit 6 pg. 1, Line 1 21,388,729,000
3	Estimated Revenue Vintage 1 True Up	(Line 1*Line 2)/100 2,673,531
4	Rate for Vintage 2 True-Up	(WA of rate in Rider 6, McGee Exhibit 1) 0.0746
5	Updated 2015 Forecast	Miller Exhibit 6 pg. 1, Line 1 21,388,729,000
6	Estimated Revenue Vintage 2 True Up	(Line 4*Line 5)/100 15,953,992
7	Rate for Vintage 3 True-Up	(WA of rate in Rider 6, McGee Exhibit 1) 0.0786
8	Updated 2015 Forecast	Miller Exhibit 6 pg. 1, Line 1 21,388,729,000
9	Estimated Revenue Vintage 3 True Up	(Line 7*Line 8)/100 16,811,541
10	Rate for Vintage 4 True-Up	(WA of rate in Rider 6, McGee Exhibit 1) 0.0984
11	Updated 2015 Forecast	Miller Exhibit 6 pg. 1, Line 1 21,388,729,000
12	Estimated Revenue Vintage 4 True Up	(Line 10*Line 11)/100 21,044,509
13	Rate for Vintage 3 Prospective Component	(WA of rate in Rider 6, McGee Exhibit 1) 0.0076
14	Updated 2015 Forecast	Miller Exhibit 6 pg. 1, Line 1 21,388,729,000
15	Estimated Revenue Vintage 3 True Up	(Line 13*Line 14)/100 1,625,543
16	Rate for Vintage 4 Prospective Component	(WA of rate in Rider 6, McGee Exhibit 1) 0.0340
17	Updated 2015 Forecast	Miller Exhibit 6 pg. 1, Line 1 21,388,729,000
18	Estimated Revenue Vintage 4 True Up	(Line 16*Line 17)/100 7,272,168
19	Rate for Year 2014 Prospective Component	(WA of rate in Rider 6, McGee Exhibit 1) 0.0181
20	Updated 2015 Forecast	Miller Exhibit 6, pg. 2 21,388,729,000
21	Estimated Revenue Vintage Year 2014 True Up	(Line 19*Line 20)/100 3,871,380
22	Rate for Year 2015 Prospective Component	(WA of rate in Rider 6, McGee Exhibit 1) 0.2752
23	Updated 2015 Forecast	Miller Exhibit 6, pg. 2 21,388,729,000
24	Estimated Revenue Vintage Year 2015 True Up	(Line 22*Line 23)/100 58,861,782

Revised Non-Residential Billing Factors for Rider 6 with updated forecast

Line			
1	Rate for Vintage 1 EE True-up (EMF) Participants	Rider 6, McGee Exhibit 1	-
2	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	22,483,765,776
3	SAW EE Estimated Revenue Vintage 1 EMF Non-Residential Rider EE	Line 1*Line 2 / 100	-
4	Rate for Vintage 3 DSM True-up (EMF) Participants	Rider 6, McGee Exhibit 1	(0.0003)
5	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	21,995,904,238
6	SAW DSM Estimated Revenue Vintage 1 EMF Non-Residential Rider EE	Line 4*Line 5 / 100	\$ (65,988)
7	Rate for Vintage 2 EE True-up (EMF) Participants	Rider 6, McGee Exhibit 1	0.0103
8	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	22,807,156,187
9	SAW EE Estimated Revenue Vintage 2 EMF Non-Residential Rider EE	Line 7*Line 8 / 100	\$ 2,349,137
10	Rate for Vintage 2 DSM True-up (EMF) Participants	Rider 6, McGee Exhibit 1	(0.0002)
11	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	22,461,631,628
12	SAW DSM Estimated Revenue Vintage 2 EMF Non-Residential Rider EE	Line 10*Line 11 / 100	\$ (44,923)
13	Rate for Vintage 3 EE True-up (EMF) Participants	Rider 6, McGee Exhibit 1	0.0212
14	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	23,068,340,761
15	SAW EE Estimated Revenue Vintage 3 EMF Non-Residential Rider EE	Line 13*Line 14 / 100	\$ 4,890,488
16	Rate for Vintage 3 DSM True-up (EMF) Participants	Rider 6, McGee Exhibit 1	0.0057
17	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	22,611,621,941
18	SAW DSM Estimated Revenue Vintage 3 EMF Non-Residential Rider EE	Line 16*Line 17 / 100	\$ 1,288,862
19	Rate for Vintage 4 EE True-up (EMF) Participants	Rider 6, McGee Exhibit 1	0.0400
20	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	23,477,412,232
21	SAW EE Estimated Revenue Vintage 4 EMF Non-Residential Rider EE	Line 19*Line 20 / 100	\$ 9,390,965
22	Rate for Vintage 4 DSM True-up (EMF) Participants	Rider 6, McGee Exhibit 1	0.0030
23	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	22,727,095,176
24	SAW DSM Estimated Revenue Vintage 4 EMF Non-Residential Rider EE	Line 22*Line 23 / 100	\$ 681,813
25	Rate for Vintage 3 EE Prospective Participants	Rider 6, McGee Exhibit 1	0.0045
26	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	23,068,340,761
27	SAW EE Estimated Revenue Vintage 3 EE Prospective Component for Non-Residential Rider EE	Line 25*Line 26 / 100	\$ 1,038,075
28	Rate for Vintage 4 EE Prospective Participants	Rider 6, McGee Exhibit 1	0.0217
29	Updated 2015 Forecast	Miller Exhibit 6, pg. 1, Line 31	23,477,412,232
30	SAW EE Estimated Revenue Vintage 4 EE Prospective Component for Non-Residential Rider EE	Line 28*Line 29 / 100	\$ 5,094,598
31	Rate for Year 2014 EE Prospective Participants	Rider 6, McGee Exhibit 1	0.0204
32	Updated 2015 Forecast	Miller Exhibit 6, pg. 2, Line 25	23,335,692,077
33	EE Estimated Revenue Vintage Year 2014 EE Prospective Component for Non-Residential Rider EE	Line 31*Line 32 / 100	\$ 4,760,481
34	Rate for Vintage 2015 EE Prospective Participants	Rider 6, McGee Exhibit 1	0.1098
35	Updated 2015 Forecast	Miller Exhibit 6, pg. 2, Line 25	23,265,079,227
36	EE Estimated Revenue Vintage Year 2014 EE Prospective Component for Non-Residential Rider EE	Line 37*Line 35 / 100	\$ 25,545,057
37	Rate for Vintage 2015 DSM Prospective Participants	Rider 6, McGee Exhibit 1	0.0861
38	Updated 2015 Forecast	Miller Exhibit 6, pg. 2, Line 25	22,594,136,561
39	DSM Estimated Revenue Vintage Year 2015 Prospective Component for Non-Residential Rider EE	Line 37*Line 38 / 100	\$ 19,453,552
			74,382,118

Duke Energy Carolinas, LLC

Docket Number E-7, Sub 1073

DSM/EE Earnings Cap Calculation for the Period June 1, 2009 to December 31, 2013

		2009-2010	2011	2012	2013	
		Vintage 1 a	Vintage 2 b	Vintage 3 c	Vintage 4 d	Total e = sum(a-d)
Line	Total for EE					
1	AC Revenues-50%	Barnes Exhibit 1				
2	Program Costs	Barnes Exhibit 3				
3	Income Before Taxes	Line 1 - Line 2				
4	Income Tax Rate					
5	Income Taxes	Line 3 * Line 4				
6	Net Income	Line 3 - Line 5				
	Total for DSM Programs					
7	AC Revenues-75%	Barnes Exhibit 1				
8	Program Costs	Barnes Exhibit 3				
9	Income Before Taxes	Line 7 - Line 8				
10	Income Tax Rate					
11	Income Taxes	Line 9 * Line 10				
12	Net Income	Line 9 - Line 11				
	Total for SAW Programs Adjusted for DSM Cap					
13	AC Revenues	Line 1 + Line 7				
14	Program Costs	Line 2 + Line 8				
15	Income Before Taxes	Line 13 - Line 14				
16	Income Tax Rate					
17	Income Taxes	Line 15 * Line 16				
18	Net Income	Line 15 - Line 17				
19	Allowed After-tax Return on Program Cost Investment	Line 14 * 15%				
20	Allowed Pre-tax Return on Program Cost Investment	Line 19 / (1-Line 16)				
21	Avoided Cost Revenues for the SAW program	Line 13				
22	Total Program Cost Investment + Allowed Pre-tax Return	Line 14 + Line 20				
23	Excess Pre-tax Return = Cap Adjustment	Line 21 - Line 22				
24	Total Avoided Costs Allowed to Collect	Minimum of Line 21 and Line 22				
25	Avoided Cost Revenue Collected (R1-5 actuals and R6 estimates)-before GRT	Miller Exhibit 3 pg. 2 / (1.001352)				
26	Amount to be collected (returned) from (to) Customers	Line 24 - Line 25				
Allocation of Cap Adjustment (Line 23) to Residential/Non-Residential and Vintage						
27	Residential Avoided Cost Revenue Collections-Before GRT	Miller Exhibit 3 pg. 2/1.001352				
28	Non-Residential EE Avoided Cost Revenue Collections-Before GRT	Miller Exhibit 3 pg. 2/1.001352				
29	Non-Residential DSM Avoided Cost Revenue Collections-Before GRT	Miller Exhibit 3 pg. 2/1.001352				
30	Total Revenue Collections					
	Relative Percentage:					
31	Residential Avoided Cost Revenue	Line 27 / Line 30				
32	Non-Residential EE Avoided Cost Revenue	Line 28 / Line 30				
33	Non-Residential DSM Avoided Cost Revenue	Line 29 / Line 30				
34	Total Revenue	Line 30 Vintage Total / Line 30 Total Rev Collections				
	Cap Adjustment Allocation:					
35	Residential	Line 31 * Line 38 Total				
36	Non-Residential EE	Line 32 * Line 38 Total				
37	Non-Residential DSM	Line 33 * Line 38 Total				
38	Total Cap Adjustment	Line 34 * Line 23				

Duke Energy Carolinas, LLC
 EE/DSM Vintage 1 True Up for the Period June 1, 2009 to December 31, 2009
 Docket Number E-7, Sub 1073
 Allocation Factors

			MWH		
Line	SAW Sales Allocator				
1	NC Retail MWH Sales Allocation	Company Records	53,842,194		
2	SC Retail MWH Sales Allocation	Company Records	19,906,425		
3	Total Retail	Line 1 + Line 2	73,748,619		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	73.0077318%		
Demand Allocators					
			NC	SC	Total
5	Residential	Company Records	5,281,284	1,692,049	6,973,333
6	Non Residential	Company Records	6,218,623	2,386,563	8,605,186
7	Total	Line 5 + Line 6	11,499,907	4,078,612	15,578,519
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	73.8190004%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	33.9010659%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	39.9179344%		

Duke Energy Carolinas, LLC
 EE/DSM Vintage 1 True Up for the Period January 1, 2010 to December 31, 2010
 Docket Number E-7, Sub 1073
 Allocation Factors

			<u>MWH</u>		
Line	SAW Sales Allocator				
1	NC Retail MWH Sales Allocation	Company Records	57,382,346		
2	SC Retail MWH Sales Allocation	Company Records	21,540,084		
3	Total Retail	Line 1 + Line 2	78,922,430		
	Allocation 1 to state based on kWh sales				
4	NC Retail	Line 1 / Line 3	72.7072722%		
	Demand Allocators				
			<u>NC</u>	<u>SC</u>	<u>Total</u>
5	Residential	Company Records	5,494,974	1,731,591	7,226,565
6	Non Residential	Company Records	6,437,669	2,290,766	8,728,435
7	Total	Line 5 + Line 6	11,932,643	4,022,357	15,955,000
	Allocation 2 to state based on peak demand				
8	NC Retail	Line 7, NC / Line 7 Total	74.7893638%		
	Allocation 3 NC res vs non-res Peak Demand to retail system peak				
9	NC Residential	Line 5 NC/ Line 7 Total	34.4404513%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	40.3489126%		

Duke Energy Carolinas, LLC
 EE/DSM Vintage 2 True Up for the Period January 1, 2011 to December 31, 2011
 Docket Number E-7, Sub 1073
 Allocation Factors

			MWH			
Line	SAW Sales Allocator					
1	NC Retail MWH Sales Allocation	Company Records	55,966,071			
2	SC Retail MWH Sales Allocation	Company Records	21,019,094			
3	Total Retail	Line 1 + Line 2	76,985,165			
Allocation 1 to state based on kWh sales						
4	NC Retail	Line 1 / Line 3	72.6972151%			
Demand Allocators				NC	SC	Total
5	Residential	Company Records	5,179,896	1,627,477	6,807,373	
6	Non Residential	Company Records	6,788,010	2,476,617	9,264,627	
7	Total	Line 5 + Line 6	11,967,906	4,104,094	16,072,000	
Allocation 2 to state based on peak demand						
8	NC Retail	Line 7, NC / Line 7 Total	74.4643230%			
Allocation 3 NC res vs non-res Peak Demand to retail system peak						
9	NC Residential	Line 5 NC/ Line 7 Total	32.2293181%			
10	NC Non-residential	Line 6 NC/ Line 7 Total	42.2350050%			

Duke Energy Carolinas, LLC
 EE/DSM Vintage 3 True Up for the Period January 1, 2012 to December 31, 2012
 Docket Number E-7, Sub 1073
 Allocation Factors

			<u>MWH</u>		
Line	SAW Sales Allocator				
1	NC Retail MWH Sales Allocation	Company Records	54,555,907		
2	SC Retail MWH Sales Allocation	Company Records	20,466,527		
3	Total Retail	Line 1 + Line 2	75,022,434		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	72.7194575%		
Demand Allocators					
			<u>NC</u>	<u>SC</u>	<u>Total</u>
5	Residential	Company Records	5,588,503	1,732,909	7,321,412
6	Non Residential	Company Records	6,397,286	2,322,302	8,719,588
7	Total	Line 5 + Line 6	11,985,789	4,055,211	16,041,000
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	74.7197120%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	34.8388691%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	39.8808428%		

Duke Energy Carolinas, LLC
 EE/DSM Vintage 4 True Up for the Period January 1, 2013 to December 31, 2013
 Docket Number E-7, Sub 1073
 Allocation Factors

			MWH			
Line	SAW & New Mechanism Sales Allocator at Generator					
1	NC Retail MWH Sales Allocation	Company Records	58,149,791			
2	SC Retail MWH Sales Allocation	Company Records	21,551,077			
3	Total Retail	Line 1 + Line 2	79,700,868			
Allocation 1 to state based on kWh sales						
4	NC Retail	Line 1 / Line 3	72.9600473%			
Demand Allocators						
			NC	SC	Total	
5	Residential	Company Records	5,051,778	1,502,084	6,553,862	
6	Non Residential	Company Records	6,119,392	2,175,746	8,295,138	
7	Total	Line 5 + Line 6	11,171,170	3,677,830	14,849,000	
Allocation 2 to state based on peak demand						
8	NC Retail	Line 7, NC / Line 7 Total	75.2318001%			
Allocation 3 NC res vs non-res Peak Demand to retail system peak						
9	NC Residential	Line 5 NC/ Line 7 Total	34.0209980%			
10	NC Non-residential	Line 6 NC/ Line 7 Total	41.2108021%			

Duke Energy Carolinas, LLC
 Vintage 2014-Vintage 2016 Estimate Allocation for the Period January 1, 2014 to December 31, 2016
 Docket Number E-7, Sub 1073
 Allocation Factors

			<u>MWH</u>		
Line	SAW & New Mechanism Sales Allocator at Generator				
1	NC Retail MWH Sales Allocation	Company Records	58,149,791		
2	SC Retail MWH Sales Allocation	Company Records	21,551,077		
3	Total Retail	Line 1 + Line 2	79,700,868		
Allocation 1 to state based on kWh sales					
4	NC Retail	Line 1 / Line 3	72.9600473%		
Demand Allocators			<u>NC</u>	<u>SC</u>	<u>Total</u>
5	Residential	Company Records	5,051,778	1,502,084	6,553,862
6	Non Residential	Company Records	6,119,392	2,175,746	8,295,138
7	Total	Line 5 + Line 6	11,171,170	3,677,830	14,849,000
Allocation 2 to state based on peak demand					
8	NC Retail	Line 7, NC / Line 7 Total	75.2318001%		
Allocation 3 NC res vs non-res Peak Demand to retail system peak					
9	NC Residential	Line 5 NC/ Line 7 Total	34.0209980%		
10	NC Non-residential	Line 6 NC/ Line 7 Total	41.2108021%		

NOTE: These allocation factors are used for estimated vintages 2014-2016 based on the latest Cost of Service Study filed in 2014.

Duke Energy Carolinas, LLC
DSM/EE Cost Recovery Rider 7
Docket Number E-7 Sub 1073
Forecasted kWh Sales for Rate Period for SAW

	Revised Estimate Total 2015	Total 2016						
Fall 2014 Sales Forecast - kWhs								
North Carolina Retail:								
Line								
1	Residential	21,388,729,000	21,674,738,000					
2	Non-Residential	35,780,312,000	36,268,911,000					
3	Total Retail	57,169,041,000	57,943,649,000					
Opt Out Sales								
		2014 kWh usage						
	Vintage 1 Opt Out							
4	EE	13,296,546,224						
5	DSM	13,784,407,762						
	Vintage 2 Opt Out							
6	EE	12,973,155,813						
7	DSM	13,318,680,372						
	Vintage 3 Opt Out							
8	EE	12,711,971,239						
9	DSM	13,168,690,059						
	Vintage 4 Opt Out							
10	EE	12,302,899,768						
11	DSM	13,053,216,824						
Non-Residential Forecast Sales Less Opt Out								
(for use in Rider 7 Rate Components)								
	V1 EE Rate Components	V1 DSM Rate Components	V2 EE Rate Components	V2 DSM Rate Components	V3 EE Rate Components	V3 DSM Rate Components	V4 EE Rate Components	V4 DSM Rate Components
12	Total Non-Residential	36,268,911,000	36,268,911,000	36,268,911,000	36,268,911,000	36,268,911,000	36,268,911,000	36,268,911,000
13	Less V1 EE Opt Out	13,296,546,224						
14	Less V1 DSM Opt Out		13,784,407,762					
15	Less V2 EE Opt Out			12,973,155,813				
16	Less V2 DSM Opt Out				13,318,680,372			
17	Less V3 EE Opt Out					12,711,971,239		
18	Less V3 DSM Opt Out						13,168,690,059	
19	Less V4 EE Opt Out							12,302,899,768
20	Less V4 DSM Opt Out							13,053,216,824
21	Sales for Rider Calculation	22,972,364,776	22,484,503,238	23,295,755,187	22,950,230,628	23,556,939,761	23,100,220,941	23,966,011,232
Non-Residential Forecast Sales Less Opt Out								
(for use in updated 2015 Revenue estimate)								
	V1 EE Rate Components	V1 DSM Rate Components	V2 EE Rate Components	V2 DSM Rate Components	V3 EE Rate Components	V3 DSM Rate Components	V4 EE Rate Components	V4 DSM Rate Components
22	Total Non-Residential	35,780,312,000	35,780,312,000	35,780,312,000	35,780,312,000	35,780,312,000	35,780,312,000	35,780,312,000
23	Less V1 EE Opt Out	13,296,546,224						
24	Less V1 DSM Opt Out		13,784,407,762					
25	Less V2 EE Opt Out			12,973,155,813				
26	Less V2 DSM Opt Out				13,318,680,372			
27	Less V3 EE Opt Out					12,711,971,239		
28	Less V3 DSM Opt Out						13,168,690,059	
29	Less V4 EE Opt Out							12,302,899,768
30	Less V4 DSM Opt Out							13,053,216,824
31	Sales for Rider Calculation	22,483,765,776	21,995,904,238	22,807,156,187	22,461,631,628	23,068,340,761	22,611,621,941	23,477,412,232
22,727,095,176								

Duke Energy Carolinas, LLC
DSM/EE Cost Recovery Rider 7
Docket Number E-7 Sub 1073
Forecasted kWh Sales for Rate Period for Vintage Years 2014-2016

	Total 2015	Total 2016				
Fall 2014 Sales Forecast - kWhs						
North Carolina Retail:						
Line						
1	Residential	21,388,729,000	21,674,738,000			
2	Non-Residential	35,046,050,545	35,534,649,545			
3	Total Retail	56,434,779,545	57,209,387,545			
Opt Out Sales						
		2014 kWh Usage				
	Vintage 2014 Estimated Opt Out					
4	EE	11,710,358,468				
5	DSM	12,396,526,283				
	Vintage 2015 Estimated Opt Out					
6	EE	11,780,971,318				
7	DSM	12,451,913,984				
	Vintage 2016 Estimated Opt Out					
8	EE	11,780,971,318				
9	DSM	12,451,913,984				
Non-Residential Forecast Sales Less Opt Out (to be used for Rider 7 Rate Components)						
		2014 EE Rate Components	2014 DSM Rate Components	2015 EE Rate Components	2015 DSM Rate Components	2016 EE Rate Components
						2016 DSM Rate Components
10	Total Non-Residential	35,534,649,545	35,534,649,545	35,534,649,545	35,534,649,545	35,534,649,545
11	Less V2014 Estimated Opt Out	11,710,358,468				
12	Less V2014 Estimated DSM Opt Out		12,396,526,283			
13	Less V2015 Estimated EE Opt Out			11,780,971,318		
14	Less V2015 Estimated DSM Opt Out				12,451,913,984	
15	Less V2016 Estimated EE Opt Out					11,780,971,318
16	Less V2016 Estimated DSM Opt Out					12,451,913,984
17	Sales for Rider Calculation	23,824,291,077	23,138,123,262	23,753,678,227	23,082,735,561	23,753,678,227
						23,082,735,561
Non-Residential Forecast Sales Less Opt Out (to be used for updated Rider 6 revenue estimate)						
		2014 EE Rate Components	2014 DSM Rate Components	2015 EE Rate Components	2015 DSM Rate Components	2016 EE Rate Components
						2016 DSM Rate Components
18	Total Non-Residential	35,046,050,545	35,046,050,545	35,046,050,545	35,046,050,545	35,046,050,545
19	Less V2014 Estimated Opt Out	11,710,358,468				
20	Less V2014 Estimated DSM Opt Out		12,396,526,283			
21	Less V2015 Estimated EE Opt Out			11,780,971,318		
22	Less V2015 Estimated DSM Opt Out				12,451,913,984	
23	Less V2016 Estimated EE Opt Out					11,780,971,318
24	Less V2016 Estimated DSM Opt Out					12,451,913,984
25	Sales for Rider Calculation	23,335,692,077	22,649,524,262	23,265,079,227	22,594,136,561	23,265,079,227
						22,594,136,561

RIDER EE (NC)
ENERGY EFFICIENCY RIDERAPPLICABILITY (North Carolina Only)

Service supplied under the Company's rate schedules is subject to approved adjustments for new energy efficiency and demand-side management programs approved by the North Carolina Utilities Commission (NCUC). The Rider Adjustments are not included in the Rate Schedules of the Company and therefore, must be applied to the bill as calculated under the applicable rate. Cost recovery under Rider EE consists of two four-year term programs, years 2009 – 2013 and years 2014 – 2017 as outlined separately below. This rider applies to service supplied under all rate schedules for program years 2009-2013 but does not apply to Rate Schedules OL, FL, PL, GL, and NL for program years 2014-2017.

I. PROGRAM YEARS 2009-2013GENERAL PROVISIONS

This Rider will recover the cost of new energy efficiency and demand-side management programs, using the method approved by the NCUC, for programs implemented over a four-year period (*i.e.*, comprising four 12-month program years or "Vintage Years"). In each year this Rider will include components to recover revenue requirements related to demand-side management and energy efficiency programs implemented in that Vintage Year, as well as net lost revenues resulting from the energy efficiency programs. Net lost revenues are revenue losses, net of both marginal costs avoided at the time of the lost kilowatt hour sale(s) and increases in revenues resulting from any activity by the Company's public utility operations that cause a customer to increase demand or energy consumption. Net lost revenues associated with each Vintage Year will be recovered for 36 months upon implementation, except that the recovery of net lost revenues will end upon implementation of new rates approved by the Commission in a general rate case or comparable proceeding to the extent that rates are set in a rate case for vintages up to that point. To recover net lost revenues for programs implemented in years 3 and 4, the Rider will continue beyond the four-year period.

Revenue requirements will be determined on a system basis and allocated to North Carolina retail customers based on the North Carolina retail contribution to system retail peak demand for demand side management programs and North Carolina retail contribution to system retail kWh sales for energy efficiency programs. Residential customer classes will pay for residential programs and non-residential customer classes will pay for non-residential programs through methods found appropriate by the Commission for demand-side management and energy efficiency programs, respectively. All allocation factors will be based on the Company's most recently completed cost of service study utilizing the allocation method approved by NCUC in the Company's most recent general rate proceeding and will exclude the amounts related to customers that elect to opt out of this Rider.

TRUE-UP PROVISIONS

Rider amounts will initially be determined based on estimated kW and kWh impacts related to expected customer participation in the programs, and will be true-up as actual customer participation and actual kW and kWh impacts are verified. If a customer participates in any vintage of programs, the customer is subject to the true-ups as discussed in this section for any vintage of programs in which the customer participated.

Participation true-ups: After the completion of the first Vintage Year, the Rider will include a true-up of previous Rider amounts billed to reflect actual customer participation in the programs.

Measurement and verification true-up: In the seventh year a final true-up will be based on changes in participation combined with actual verified kW and kWh savings.

Earnings cap true-up: In the seventh year, a true up will adjust customer bills, if applicable, to refund with interest, amounts collected through the Rider in excess of the earnings cap, in accordance with the following levels of achievement of actual energy and peak demand reductions and allowed return on investment.

<u>Percentage Actual Target Achievement</u>	<u>Return on Investment Cap on Program Costs Percentage</u>
≥90%	15%
80% to 89%	12%
60% to 79%	9%
< 60%	5%

Duke Energy Carolinas, LLC

Electricity No. 4
 North Carolina Tenth (Proposed) Revised Leaf No. 62
 Superseding North Carolina Ninth Revised Leaf No. 62

RIDER EE (NC)
 ENERGY EFFICIENCY RIDER

DETERMINATION OF ENERGY EFFICIENCY RIDER ADJUSTMENT

Energy Efficiency Adjustments (EEA) will be applied to the energy in kilowatt hours (kWh) billed of all rate schedules for each vintage as determined by the following formula, adjusted as appropriate for the time value of money:

EEA Residential (expressed as cents per kWh) =

(Residential Avoided Cost Revenue Requirement + Residential Net Lost Revenues) / Forecasted Residential kWh Sales for the Rider billing period

Where

Residential Avoided Cost Revenue Requirement = (Residential Demand-Side Management Program Avoided Cost X 75%) + (Residential Energy Efficiency Program Avoided Cost X 50%)

EEA Non-residential (expressed as cents per kWh) =

(Non-residential Avoided Cost Revenue Requirement + Non-residential Net Lost Revenues) / Forecasted Non-residential kWh Sales for the Rider billing period

Where

Non-residential Avoided Cost Revenue Requirement = (Non-residential Demand-Side Management Program Avoided Cost X 75%) + (Non-residential Energy Efficiency Program Avoided Cost X 50%)

II. PROGRAM YEARS 2014-2017GENERAL PROVISIONS

This Rider will recover the cost of new energy efficiency and demand-side management programs, using the method approved by the NCUC, for programs implemented over a four-year period (*i.e.*, comprising four 12-month program years or "Vintage Years").

TRUE-UP PROVISIONS

Rider amounts will initially be determined based on estimated kW and kWh impacts related to expected customer participation in the programs, and will be true-up as actual customer participation and actual kW and kWh impacts are verified. If a customer participates in any vintage of programs, the customer is subject to the true-ups as discussed in this section for any vintage of programs in which the customer participated.

RIDER EE OPT OUT PROVISION FOR QUALIFYING NON-RESIDENTIAL CUSTOMERS

The Rider EE increment applicable to energy efficiency programs and/or demand-side management programs will not be applied to the energy charge of the applicable rate schedule for Customers qualified to opt out of the programs where:

- a. The Customer has notified the Company that it has, or has plans for implementing alternative energy efficiency measures in accordance with quantifiable goals.
- b. Electric service to the Customer must be provided under:
 1. An electric service agreement where the establishment is classified as a "manufacturing industry" by the Standard Industrial Classification Manual published by the United States Government and where more than 50% of the electric energy consumption of such establishment is used for its manufacturing processes. Additionally, all other agreements billed to the same entity associated with the manufacturing industry located on the same or contiguous properties are also eligible to opt out.
 2. An electric service agreement for general service as provided for under the Company's rate schedules where the Customer's annual energy use is 1,000,000 kilowatt hours or more. Additionally, all other agreements billed to the same entity with lesser annual usage located on the same or contiguous properties are also eligible to opt out.

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The following additional provisions apply for qualifying customers who elect to opt out:

For Customers who elect to opt out of energy efficiency programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's energy efficiency programs each calendar year only during the annual two-month enrollment period between November 1 and December 31 immediately prior to a new Rider EE becoming effective on January 1. (Qualifying new customers have sixty days after beginning service to opt out).
- Customers may not opt out of individual energy efficiency programs offered by the Company. The choice to opt out applies to the Company's entire portfolio of energy efficiency programs.
- If a customer participates in any vintage of energy efficiency programs, the customer, irrespective of future opt out decisions, remains obligated to pay the remaining portion of the lost revenues for each vintage of energy efficiency programs in which the customer participated.
- Customers who elect to opt out during the two-month annual enrollment period immediately prior to the new Rider EE becoming effective may elect to opt in to the Company's energy efficiency programs during the first 5 business days of March each calendar year. Customers making this election will be back-billed retroactively to the effective date of the new Rider EE.

For Customers who elect to opt out of demand-side management programs, the following provisions also apply:

- Qualifying customers may opt out of the Company's demand-side management program during the enrollment period between November 1, and December 31 immediately prior to a new Rider EE becoming effective on January 1 of the applicable year. (Qualifying new customers have sixty days after beginning service to opt out).
- If a customer elects to participate in a demand-side management program, the customer may not subsequently choose to opt out of demand-side management programs for three years.
- Customers who elect to opt out during the two-month annual enrollment period immediately prior to the new Rider EE becoming effective may elect to opt in to the Company's demand-side management program during the first 5 business days of March each calendar year. Customers making this election will be back-billed to the effective date of the new Rider EE.

Any qualifying non-residential customer that has not participated in an energy efficiency or demand-side management program may opt out during any enrollment period, and have no further responsibility to pay Rider EE amounts associated with the Customer's opt out election for energy efficiency and/or demand-side management programs.

ENERGY EFFICIENCY RIDER ADJUSTMENTS (EEA) FOR ALL PROGRAM YEARS

The Rider EE amounts applicable to the residential and nonresidential rate schedules for the period January 1, 2016 through December 31, 2016 including utility assessments are as follows:

Residential	Vintage 1, 2, 3, 4, and 2014 ¹	0.0250¢ per kWh
	Vintage 2014 ² , 2015, 2016	0.3324¢ per kWh
	Total Residential Rate	0.3574¢ per kWh
Nonresidential		
	Vintage 1	
	Energy Efficiency	0.0025¢ per kWh
	Demand Side Management	0.0016¢ per kWh
	Vintage 2	
	Energy Efficiency	0.0146¢ per kWh
	Demand Side Management	0.0018¢ per kWh
	Vintage 3	
	Energy Efficiency	0.0259¢ per kWh
	Demand Side Management	(0.0008)¢ per kWh

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Vintage 4	
Energy Efficiency	0.0330¢ per kWh
Demand Side Management	0.0003¢ per kWh
Vintage 2014 ¹	
Energy Efficiency	0.0406¢ per kWh
Demand Side Management	(0.0044)¢ per kWh
Vintage 2015 ¹	
Energy Efficiency	0.0345¢ per kWh
Demand Side Management	NA
Vintage 2016 ³	
Energy Efficiency	0.2164¢ per kWh
Demand Side Management	0.0709¢ per kWh
Total Nonresidential	0.4369¢ per kWh

¹ Includes the true-up of program costs, shared savings and lost revenues from Year 1 of Vintage 2014

² Includes the estimate of Year 3 lost revenues of Vintage 2014

³ Not Applicable to Rate Schedules OL, FL, PL, GL, and NL

Each factor listed under Nonresidential is applicable to nonresidential customers who are not eligible to opt out and to eligible customers who have not opted out. If a nonresidential customer has opted out of a Vintage(s), then the applicable energy efficiency and/or demand-side management charge(s) shown above for the Vintage(s) during which the customer has opted out, will not apply to the bill.