

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1044

In the Matter of

Application of Duke Energy Progress, Inc.	)	DIRECT TESTIMONY OF
for Approval of Annual Demand-Side	)	KAREN A. RALPH
Management/Energy Efficiency Cost	)	FOR
Recovery Rider	)	DUKE ENERGY PROGRESS, INC.

1 **Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND POSITION**  
2 **WITH DUKE ENERGY PROGRESS, INC.**

3 A. My name is Karen A. Ralph, and my business address is 150 Fayetteville Street,  
4 Raleigh, North Carolina 27602. I am employed by Duke Energy Progress, Inc.  
5 (“DEP” or the “Company”) as a Senior Financial Analyst in the Carolina Delivery  
6 Operations Finance organization.

7 **Q. PLEASE BRIEFLY STATE YOUR EDUCATIONAL BACKGROUND**  
8 **AND EXPERIENCE.**

9 A. I graduated from Butler University in 1985 with a Bachelor of Science Degree in  
10 Accounting. Following graduation from Butler, I worked as an Accounting  
11 Manager for a medical supply manufacturer in Indianapolis until 1987. Next I  
12 worked as a Collateral Loan Auditor for Bank One Indiana until 1990. In 1990 I  
13 began working at Carolina Power & Light, now DEP, in the Audit Services  
14 Department. I earned a Certified Public Accountant certification from the State of  
15 North Carolina in 1991 and a Certified Internal Auditor designation in 1995. I  
16 held the position of Senior Financial Analyst in the Audit Services Department  
17 until 1997. From 1997-2000 I worked in the Investor Relations group in the  
18 Treasury Department. In 2000 I joined the Finance Department where I have  
19 supported a variety of business groups, including the Demand-Side Management  
20 (“DSM”)/Energy Efficiency (“EE”) organization from 2007-2010 and the  
21 Distribution System Demand Response (“DSDR”) project from 2008-2012.  
22 During this period I worked with Regulatory Accounting, Corporate Planning, the  
23 DSDR Business Unit and Finance to develop the accounting and business  
24 processes to ensure of the proper reporting of DSDR program costs, including

1 development and support of monthly cost management reporting and review  
2 processes, support of annual regulatory filings and resolution of audit requests.  
3 My responsibilities in support of the DSDR capital project included the  
4 preparation of procedures for project funding and financial reporting.

5 **Q. WHAT ARE YOUR CURRENT RESPONSIBILITIES?**

6 A. My primary job functions are capital budget development, monthly cost  
7 management reporting and project accounting.

8 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

9 A. The purpose of my testimony is to explain and support DEP's proposed  
10 methodology for identifying and reporting ongoing DSDR program costs pursuant  
11 to the Commission's January 23, 2013 Order in Docket No. E-2, Sub 1030.

12 **MAINTENANCE COST**

13 **Q. PURSUANT TO THE AFOREMENTIONED COMMISSION ORDER, DEP**  
14 **WAS TO PROVIDE IN ITS NEXT DSM/EE RIDER APPLICATION**  
15 **DETAILED WORKSHEETS EXPLAINING THE DEVELOPMENT AND**  
16 **IMPLEMENTATION OF THE ALLOCATION RATIOS THAT IT WILL**  
17 **USE TO ALLOCATE TO THE DSM/EE RIDER COSTS FOR THE**  
18 **REPAIR AND REPLACEMENT OF DSDR EQUIPMENT THAT**  
19 **CANNOT BE CLEARLY IDENTIFIED AND WHOLLY CHARGED TO**  
20 **DSDR. CAN YOU PROVIDE THE REQUESTED INFORMATION?**

21 A. Yes. A baseline allocation ratio was established by the DSDR organization as of  
22 December 31, 2013 for base versus DSDR regulators and capacitors. Base assets  
23 include the legacy equipment that existed prior to DSDR, plus assets added to  
24 maintain voltage to the pre-DSDR level of 119 volts. The total population of

1 regulators and capacitors is based on the Geographical Information System  
 2 (“GIS”) database which includes asset location and installation date. The  
 3 regulators and capacitors installed on the DSDR project were tracked by the  
 4 project group, and a database, the Feeder Analysis and Conditioning Tracking  
 5 System (“FACTS”), was maintained which includes the asset location and  
 6 installation date. The baseline ratio calculations are contained in Ralph Direct  
 7 Exhibit No. 1 and are summarized below:

8 
$$\text{Total Assets (GIS)} - \text{DSDR Assets (FACTS)} = \text{Base Assets}$$
  
 9 
$$\text{DSDR Assets} / \text{Total Assets} = \text{DSDR Allocation Ratio}$$
  
 10 
$$\text{Base Assets} / \text{Total Assets} = \text{Base Allocation Ratio}$$

Regulators		
Total Regulators	2,920	100.00%
DSDR Regulators	2,320	79.45%
Base Regulators	600	20.55%

Capacitors		
Total Capacitors	2,927	100.00%
DSDR Capacitors	589	20.12%
Base Capacitors	2,338	79.88%

11 Annually, the DEP Distribution Finance organization will run a report from  
 12 the work management system that will identify the additions to the base and  
 13 DSDR quantities that occur from the load growth projects. The allocation ratios  
 14 will then be updated annually based on the updated quantities.

15 Each month an accounting entry will be prepared by the Finance  
 16 organization to apply the allocation ratio to the total cost to maintain the total  
 17 population of regulators and capacitors which is accumulated in special project

1 numbers. The accounting entry will move the DSDR allocated portion of the  
2 repair and replacement cost to DSDR rider recovery project numbers.

3 **EXPANSION COST**

4 **Q. IN ITS ORDER IN DOCKET NO. E-2, SUB 1030, THE COMMISSION**  
5 **REQUIRED THAT DEP PROVIDE IN ITS NEXT DSM/EE RIDER**  
6 **APPLICATION AN ALLOCATION METHOD DETERMINING WHICH**  
7 **PORTION OF DISTRIBUTION EXPANSION COSTS SHALL BE**  
8 **RECOVERED UNDER BASE RATES AS NON-DSDR RELATED COSTS**  
9 **AND WHICH PORTION SHALL BE RECOVERED IN THE DSM/EE**  
10 **RIDER AS DSDR-RELATED COSTS. PLEASE EXPLAIN WHY THE**  
11 **COMPANY IS NOT PROVIDING THIS INFORMATION.**

12 A. For load growth projects, an allocation method is not recommended, because it  
13 was determined that direct charging can be done. The Distribution Designers will  
14 design the project to pre-DSDR standards and then to DSDR standards and  
15 determine the additional equipment (regulators, capacitors, medium voltage  
16 sensors and low voltage sensors) required for DSDR. Two separate work orders  
17 are written with the base work charging a base capital charge code and the DSDR  
18 work charging a DSDR capital charge code. Once the work order is completed,  
19 the applicable capital will be placed in service and added to the DSDR asset  
20 group.

21 **ASSET ACCOUNTING**

22 **Q. THE COMMISSION ORDERED THAT DEP EVALUATE WHETHER OR**  
23 **NOT TO CREATE A SEPARATE DSDR ASSET GROUP FOR**  
24 **HANDLING DSDR ADMINISTRATIVE AND ACCOUNTING ISSUES**

1           **AND INCLUDE THE RESULTS OF THE EVALUATION IN THE 2014**  
2           **DSM/EE RIDER APPLICATION. CAN YOU PROVIDE THE**  
3           **COMMISSION WITH THIS EVALUATION?**

4    A.    Yes. The Company's Asset Accounting group evaluated the question posed by  
5           the Commission and determined the current method, which uses a Project Class  
6           identifier for DSDR in the Asset Accounting system and unique DSDR project  
7           identification numbers, is the best method for obtaining depreciation and  
8           retirement information for the DSDR assets. Future capital additions and  
9           retirements will be identified through the use of unique DSDR project numbers.  
10          For information technology projects, the business manually identifies the  
11          retirement property within these project numbers. For distribution assets, the  
12          work management system feeds the retirement units which are reported in these  
13          project numbers. For the DSDR assets that cannot be clearly identified  
14          (regulators and capacitors), the allocation approach described previously will be  
15          applied. Duke Energy Corporation has these types of assets in other jurisdictions  
16          and they are accounted for using a similar approach.

17   **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

18    A.    Yes.

# DUKE ENERGY PROGRESS, INC

## CALCULATION OF DSDR ALLOCATION RATIOS

### Regulators:

#### Regulator Quantities from GIS

	Total
Regulators	2920

#### Regulator Quantities from FACTS

Action Type	Program	Action Total
New Install	DSDR	2320

**Total Assets (GIS) – DSDR Assets (FACTS) = Base Assets**

$$2,920 - 2320 = 600$$

**DSDR Assets / Total Assets = DSDR Regulator Allocation Ratio**

$$2320 / 2920 = 79.45\%$$

**Base Assets / Total Assets = Base Regulator Allocation Ratio**

$$600 / 2920 = 20.55\%$$

### Capacitors:

#### Capacitor Quantities from GIS

	Total
Capacitors	2927

#### Capacitor Quantities from FACTS

Action Type	Program	Action Total
New Install	DSDR	589

**Total Assets (GIS) – DSDR Assets (FACTS) = Base Assets**

$$2,927 - 589 = 2,338$$

**DSDR Assets / Total Assets = DSDR Capacitor Allocation Ratio**

$$589 / 2,927 = 20.12\%$$

**Base Assets / Total Assets = Base Capacitor Allocation Ratio**

$$2,338 / 2,927 = 79.88\%$$

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1044

In the Matter of

Application of Duke Energy Progress, Inc.	)	DIRECT TESTIMONY OF
for Approval of Annual Demand-Side	)	ROBERT P. EVANS
Management/Energy Efficiency Cost Recovery	)	FOR
Rider	)	DUKE ENERGY PROGRESS, INC.



1 **Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND POSITION**  
2 **WITH DUKE ENERGY PROGRESS, INC.**

3 A. My name is Robert P. Evans, and my business address is 150 Fayetteville Street,  
4 Raleigh, North Carolina 27602. I am employed by Duke Energy Progress, Inc.  
5 (“DEP” or the “Company”) as Senior Manager-Strategy and Collaboration for the  
6 Carolinas in the Company’s Customer Planning and Analytics Department.

7 **Q. PLEASE BRIEFLY STATE YOUR EDUCATIONAL BACKGROUND**  
8 **AND EXPERIENCE.**

9 A. I graduated from Iowa State University (“ISU”) in 1978 with a Bachelor of  
10 Science Degree in Industrial Administration and a minor in Industrial  
11 Engineering. As a part of my undergraduate work, I participated in both the  
12 graduate level Regulatory Studies Programs sponsored by American Telephone  
13 and Telegraph Corporation and graduate level study programs in Engineering  
14 Economics. Subsequent to my graduation from ISU, I received additional  
15 Engineering Economics training at the Colorado School of Mines, completed the  
16 NARUC Regulatory Studies program at Michigan State, and completed the  
17 Advanced AGA Ratemaking program at the University of Maryland. Upon  
18 graduation from ISU, I joined the Iowa State Commerce Commission, now  
19 known as the Iowa Utility Board (“IUB”), in the Rates and Tariffs Section of the  
20 Utilities Division. During my tenure with the IUB, I held several positions,  
21 including Senior Rate Analyst in charge of Utility Rates and Tariffs and Assistant  
22 Director of the Utility Division. In those positions I provided testimony in gas,  
23 electric, water and telecommunications proceedings as an expert witness in the  
24 areas of rate design, service rules, and tariff applications. In 1982, I accepted

1 employment with City Utilities of Springfield, Missouri, as an Operations  
2 Analyst. In that capacity, I provided support for rate-related matters associated  
3 with the municipal utility's gas, electric, water and sewer operations. In addition, I  
4 worked closely with its load management and energy conservation programs. In  
5 1983, I joined the Rate Services staff of the Iowa Power and Light Company, now  
6 known as MidAmerican Energy, as a Rate Engineer. In this position, I was  
7 responsible for the preparation of rate related filings and presented testimony on  
8 rate design, service rules, and accounting issues before the IUB. In 1986, I  
9 accepted employment with Tennessee-Virginia Energy Corporation, which is now  
10 known as the United Cities Division of ATMOS Energy, as Director of Rates and  
11 Regulatory Affairs. While in this position, I was responsible for regulatory  
12 filings, regulatory relations, and customer billing. In 1987, I went to work for the  
13 Virginia State Corporation Commission in the Division of Energy Regulation as a  
14 Utilities Specialist. In this capacity I worked on electric and natural gas issues and  
15 provided testimony on cost of service and rate design matters brought before that  
16 regulatory body. In 1988, I joined North Carolina Natural Gas Corporation  
17 ("NCNG") as its Manager of Rates and Budgets. Subsequently, I was promoted  
18 to Director-Statistical Services in its Planning and Regulatory Compliance  
19 Department. In that position, I performed a variety of work associated with  
20 financial, regulatory and statistical analysis and presented testimony on several  
21 issues brought before the North Carolina Utilities Commission. I held that  
22 position until the closing of NCNG's merger with Carolina Power and Light  
23 Company, the predecessor of Progress Energy, Inc. ("Progress"), on July 15,  
24 1999.

1           From July 1999 through January 2008 I was employed in Principal and  
2           Senior Analyst roles by the Progress Energy Service Company, LLC. In these  
3           roles I provided NCNG, Progress Energy Carolinas, Inc. and Progress Energy  
4           Florida, Inc. with rate and regulatory support in their state and federal venues.  
5           From 2008 through the merger of Duke Energy Corporation (“Duke Energy”) and  
6           Progress, I provided regulatory support for energy efficiency (“EE”) and demand-  
7           side management (“DSM”) programs. Subsequent to the Progress merger with  
8           Duke Energy I obtained my current position.

9           **Q. HAVE YOU PREVIOUSLY PROVIDED TESTIMONY IN MATTERS**  
10           **BROUGHT BEFORE THIS COMMISSION?**

11          A. Yes. I have provided testimony to this Commission in matters concerning  
12           avoided costs, cost of service, rate design, and the recovery of cost associated  
13           with DEP’s DSM/EE programs and related accounting matters.

14          **Q. WHAT ARE YOUR CURRENT RESPONSIBILITIES?**

15          A. I am responsible for the regulatory support of DEP’s EE and DSM programs and  
16           associated collaborative activities.

17          **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

18          A. The purpose of my testimony is to explain and support DEP’s proposed DSM/EE  
19           cost recovery rider and Experience Modification Factor (“EMF”) and provide  
20           information required by Commission Rule R8-69 in addition to information  
21           specifically requested by the Commission and Public Staff.

22          **Q. ARE YOU SPONSORING DEP’S DSM/EE COST RECOVERY RIDER**  
23           **APPLICATION?**

1 A. Yes. In addition to this testimony and accompanying exhibits, I am sponsoring  
2 DEP'S DSM/EE Cost Recovery Rider Application identified as DEP Exhibit No.  
3 1.

4 **INFORMATION REQUESTED BY THE COMMISSION AND PUBLIC STAFF**

5 **Q. PLEASE DESCRIBE THE ACTIONS THE COMMISSION ORDERED**  
6 **DEP TO TAKE IN ITS ORDER APPROVING DEP'S 2013 DSM/EE COST**  
7 **RECOVERY RIDER.**

8 A. In its January 23, 2014 Final Order Approving DSM/EE Rider in Docket No. E-2,  
9 Sub 1030, the Commission ordered the Company to: (1) recalculate the Program  
10 Performance Incentive ("PPI") and net lost revenues ("NLR") associated with the  
11 2010 vintage of DEP's Appliance Recycling Program ("ARP") based on the new  
12 Evaluation, Measurement and Verification ("EM&V") protocol; (2) incorporate  
13 the recommendations of Public Staff witness Jack Floyd regarding future EM&V  
14 reports for the Energy Efficient Lighting Program and ARP, as modified by the  
15 agreement of the parties as to using Carolinas-specific data, to the extent that the  
16 benefits exceed the costs; (3) file detailed worksheets explaining the development  
17 and implementation of the allocation ratios that it will use to allocate to the  
18 DSM/EE rider costs for the repair and replacement of Distribution System  
19 Demand Response ("DSDR") equipment that cannot be clearly identified and  
20 wholly charged to DSDR; (4) file an allocation method determining which portion  
21 of distribution expansion costs shall be recovered under base rates as non-DSDR  
22 related costs and which portion shall be recovered in the DSM/EE rider as DSDR-  
23 related costs; (5) establish a collaborative similar to the one in place for Duke  
24 Energy Carolinas, LLC ("DEC") and have the collaborative consider and develop

1 positions regarding: (i) either a limited study or survey of customers who have  
2 opted-out of its DSM/EE programs and report the results and any conclusions or  
3 recommendations as part of its 2014 DSM/EE rider filing; (ii) new programs and  
4 program modifications as recommended by Southern Alliance for Clean Energy  
5 (“SACE”); and (iii) whether DEP should be required to notify customers  
6 regarding forecasted peaks in order to encourage them to reduce energy use.

7 **Q. DID THE COMPANY RECALCULATE THE PPI AND NLR**  
8 **ASSOCIATED WITH THE 2010 VINTAGE OF ARP BASED ON THE**  
9 **NEW EM&V PROTOCOLS?**

10 **A.** Yes. The results of this recalculation produced reductions in both the Company’s  
11 recoverable NLR and the amount of its PPI.

12 The NLR reduction stems from the removal of 2,178 MWhs from those  
13 originally employed in the determination of NLR. This removal resulted in a  
14 reduction in NLR in the amount of \$128,512 for the 36-month period ending  
15 December 31, 2012.

16 The resulting reduction in the annuitized PPI value is \$9,206 per year. Over  
17 the ten-year PPI recovery period, the total reduction is \$92,060. In total, these  
18 adjustments resulted in a \$220,572 reduction in the Company’s revenue  
19 requirement.

20 **Q. HAVE YOU INCORPORATED THE RECOMMENDATIONS OF PUBLIC**  
21 **STAFF WITNESS FLOYD REGARDING FUTURE EM&V REPORTS**  
22 **FOR THE ENERGY EFFICIENT LIGHTING PROGRAM AND ARP, AS**  
23 **MODIFIED BY THE AGREEMENT OF THE PARTIES USING**

1           **CAROLINAS-SPECIFIC DATA, TO THE EXTENT THAT THE**  
2           **BENEFITS EXCEED THE COSTS?**

3    A.    The Company, in its future EM&V reports for its Energy Efficient Lighting and  
4            ARP Programs, will employ Carolinas-specific information unless the costs of  
5            such an assessment would outweigh its benefits.

6    Q.    **HAS THE COMPANY PROVIDED THE COMMISSION WITH THE**  
7            **REQUESTED DSDR ACCOUNTING AND COST ALLOCATION**  
8            **INFORMATION?**

9    A.    Yes. The Company's witness, Karen Ralph, has provided this information as a  
10           part of her testimony filed in this proceeding.

11   Q.    **HAS DEP ESTABLISHED A COLLABORATIVE SIMILAR TO THE ONE**  
12           **IN PLACE FOR DEC?**

13   A.    Yes. The Company held its first meeting of the DEP Collaborative  
14           ("Collaborative") on May 14, 2014.

15   Q.    **HAS THE COLLABORATIVE CONSIDERED AND DEVELOPED**  
16           **POSITIONS REGARDING: (I) EITHER A LIMITED STUDY OR**  
17           **SURVEY OF CUSTOMERS WHO HAVE OPTED-OUT OF ITS DSM/EE**  
18           **PROGRAMS AND REPORTED THE RESULTS AND ANY**  
19           **CONCLUSIONS OR RECOMMENDATIONS AS PART OF THIS**  
20           **FILING; (II) NEW PROGRAMS AND PROGRAM MODIFICATIONS AS**  
21           **RECOMMENDED BY SACE; AND (III) WHETHER DEP SHOULD BE**  
22           **REQUIRED TO NOTIFY CUSTOMERS REGARDING FORECASTED**  
23           **PEAKS IN ORDER TO ENCOURAGE THEM TO REDUCE ENERGY**  
24           **USE?**

1 A. No. The initial meeting of the Collaborative focused on structural matters and  
2 providing a baseline of DEP's existing DSM and EE programs. Issues pertaining  
3 to opt-out surveys, the program modifications recommended by SACE, and peak  
4 notifications will be included as agenda items in the third and fourth quarter  
5 Collaborative meetings. In addition to these items, pursuant to the Commission's  
6 February 27, 2014 Order in Docket No. E-2, Sub 1023, the Collaborative will  
7 discuss North Carolina Advanced Energy's proposal for the funding of roof top  
8 solar facilities on low-income housing built by Habitat for Humanity and the  
9 North Carolina Housing Finance Agency and discuss strategies for providing low-  
10 income customers with assistance in paying service deposits and delinquent bills.

11 **Q. CAN YOU PROVIDE THE GENERAL EDUCATION AND AWARENESS**  
12 **("GEA") RELATED INFORMATION REQUESTED BY THE PUBLIC**  
13 **STAFF AND PREVIOUSLY REQUESTED BY THIS COMMISSION?**

14 A. Yes. For the period of April 2013 through the end of March 2014, GEA  
15 initiatives included newspaper advertisement, bill inserts, emails, and online  
16 advertising to promote the Customized Home Energy Reports and the Save  
17 Energy and Money website. DEP participated in community events and  
18 distributed informational flyers and other EE printed materials to its customers.

19 During the test period, the only paid media advertising consisted of  
20 newspaper print advertisements, banner advertising, and Google Adword  
21 campaigns. The advertising was implemented for the specific promotion of the  
22 free energy audit tool called the Customized Home Energy Report ("CHER").  
23 Newspaper print advertisements ran in fourteen publications in the DEP service  
24 territory on the days of the highest circulation for each respective publication.

1 Ads promoting CHER were published 80 times, resulting in the message having  
2 the potential be viewed nearly 3.4 million times. Newspaper and online ads  
3 included information regarding how customers can complete a free CHER to help  
4 them identify home energy improvements, and other no-cost or low-cost actions,  
5 that could help save money on their electric bill.

6 Online advertising was used to promote CHER during the test period.  
7 Online display advertisements (sometimes called banner ads) provided the  
8 potential for the web page to be viewed nearly 62.5 million times. Customers  
9 took action by clicking on the link within the online ad more than 23,194 times.  
10 From that point, 476 people went on to complete the questionnaire and receive  
11 their CHER. Search advertising was employed, where key words related to  
12 DEP's EE efforts, guided customers to DEP's website.

13 Google Adword search campaigns generated more than 122,000  
14 impressions. Individuals took action by clicking on the link that took them to  
15 DEP's CHER website more than 2,023 times and over 372 customers went on to  
16 participate in the program. Combining paid banner display and paid Google  
17 Adword campaigns resulted in 848 individuals completing the online  
18 questionnaire.

19 During the test period, promotional bill inserts promoting the CHER  
20 program were mailed to 1,377,600 North and South Carolina DEP customers.  
21 Total average response rate was 0.05%, and 750 people went on to complete the  
22 online CHER questionnaire. In addition, a total of 329,510 DEP customers  
23 received an email promoting the program. A total of 2,273 customers read their



1 email, clicked through to the CHER-specific landing page, and took the online  
2 questionnaire.

3 From July 2009 through March 2014, 48,449 customers completed CHER  
4 questionnaires and were provided information on specific energy saving  
5 programs.

6 It is important to note that the Company's CHER GEA program is being  
7 phased out and will be replaced with a program similar to DEC's My Home  
8 Energy Report Program.

9 **SUMMARY OF DSM/EE COSTS**

10 **Q. CAN YOU PROVIDE A SUMMARY OF THE COSTS FOR WHICH THE**  
11 **COMPANY IS REQUESTING RECOVERY IN THIS PROCEEDING?**

12 A. Yes. The DSM/EE costs the Company is requesting to recover through this  
13 proceeding are associated with the costs incurred or forecasted to be incurred  
14 during three discrete time periods: 1) the test period; 2) the forecasted prospective  
15 period; and 3) the forecasted rate period. For the test period, April 1, 2013  
16 through March 31, 2014, the North Carolina allocated share of recoverable  
17 DSM/EE costs is \$100,199,983. For the forecasted prospective period,  
18 encompassing April 1, 2014 through July 31, 2014, the North Carolina allocated  
19 share of these estimated DSM/EE costs is \$33,108,528. For the rate period,  
20 December 1, 2014 through November 30, 2015, the North Carolina allocated  
21 share of forecasted DSM/EE costs is \$120,788,948. The total North Carolina  
22 allocated share of DSM/EE costs for the three periods is \$254,097,459.

23 A summary of the costs associated with the Company's recovery request is  
24 provided in the following table by period and by DSM/EE program/measure.

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Program / Measure	Test Period	Prospective Period	Rate Period
	4-1-13 thru 3-31-14	4-1-14 thru 7-31-14	12-1-14 thru 11-30-15
<b>Demand-Side Management Programs</b>			
CIG DR	\$ 1,412,660	\$ 654,053	\$ 1,763,742
EnergyWise <sup>SM</sup>	10,762,805	2,362,678	11,003,139
<b>Energy Efficiency Programs</b>			
DSDR Implementation	\$ 29,688,514	\$ 9,354,238	\$ 27,541,655
Residential Home Advantage	193,712	3,463	186,992
Residential Home Energy Improvement	4,850,286	1,931,291	6,015,742
Residential Low Income - NES	1,712,326	674,781	2,185,648
CIG Energy Efficiency	11,968,359	4,187,937	19,282,501
Energy Efficient Lighting	19,979,460	4,748,092	21,101,664
Residential Appliance Recycling	1,408,044	556,669	2,079,926
Residential EE Benchmarking	1,053,114	238,829	211,846
Small Business Energy Saver	3,977,870	2,237,472	7,043,923
Residential New Construction	2,555,842	1,959,360	7,236,292
<b>A&amp;G and Carrying Costs</b>			
A&G	\$ 2,573,845	1,239,508	\$ 3,788,444
Carrying Cost on Balances	8,063,146	2,960,157	11,347,434
<b>Total Cost</b>	<b>\$100,199,983</b>	<b>\$33,108,528</b>	<b>\$120,788,948</b>

1 In addition to the summary table above, additional categorizations by cost  
2 element are provided in Evans Direct Exhibit No. 1.

3 **Q. ARE THE COMPANY'S PROPOSED RATES DESIGNED TO RECOVER**  
4 **THE TOTAL NORTH CAROLINA ALLOCATED SHARE OF**  
5 **\$254,097,459?**

6 A. No. Since many of the expenses incurred to develop and implement the  
7 Company's DSM and EE programs produce benefits covering several years, a  
8 significant portion of those expenses will be deferred, and recovered over varying  
9 amortization periods. Program cost deferrals are currently recovered over ten-  
10 year periods, except in the cases of the Lighting Program, for which the Company  
11 has requested recovery over a five-year period, and the Residential EE

1 Benchmarking Program, where costs are realized as they are incurred.  
2 Administrative and General (“A&G”) costs are being recovered over three-year  
3 periods. In addition to the aforementioned deferrals, DEP’s proposal involves  
4 several other adjustments, including the recognition and amortization of prior  
5 period deferrals, the recognition of the prior year’s prospective period costs, and  
6 the estimated recovery of DSM/EE costs during the 2013-14 test and prospective  
7 periods. In total, the EMF-related calculations, based on test and estimated  
8 prospective period costs, reflect an estimated under-recovery of \$1,371,824. The  
9 DSM/EE rate calculations, associated with rate period estimates, are based on a  
10 revenue requirement of \$99,203,571. The development of these amounts is also  
11 provided in Evans Direct Exhibit No. 1. The rate period and EMF revenue  
12 requirements produce a combined revenue requirement of \$100,575,395.

13 **DSM/EE EMF REVENUE REQUIREMENT**

14 **Q. HOW WAS THE DSM/EE EMF UNDER-RECOVERY OF \$1,371,824**  
15 **DETERMINED?**

16 A. The EMF under-recovery is a function of the sum of test period costs, including  
17 amounts relating to the amortization of deferred costs from prior periods, plus  
18 estimated prospective period costs (April 1, 2014 through July 31, 2014), less  
19 costs incurred in the prior prospective period (April 1, 2013 through July 31,  
20 2013) which were included in the determination of the 2013 EMF, and credits for  
21 actual and estimated DSM/EE Rider revenues for the period August 1, 2013  
22 through July 31, 2014. The following table illustrates the relationship of these  
23 elements with respect to the determination of the DSM/EE EMF.

24

Rate Element	Amounts
Test Period Revenue Requirement	\$ 76,659,401
Plus: Current Prospective Period Revenue Requirement	17,904,210
Less: Prior Prospective Period Revenue Requirement	17,226,403
Unadjusted EMF Revenue Requirement	\$ 77,337,208
Net DSM/EE Rate Revenue Estimate	\$ 76,005,686
Less: Other Adjustments	40,302
Total EMF Adjustments	\$ 75,965,384
Adjusted DSM/EE EMF Revenue Requirement	\$ 1,371,824

1 Additional details associated with the development of these amounts are provided  
2 on Evans Direct Exhibit Nos. 1 and 7.

3 **Q. SINCE THE PROSPECTIVE PERIOD VALUES CONTAIN ESTIMATED**  
4 **AMOUNTS, WILL THOSE VALUES BE UPDATED PRIOR TO THE**  
5 **HEARING TO REFLECT ACTUAL COSTS AND REVENUES?**

6 A. Yes. At least thirty (30) days prior to the hearing on the Company's Application  
7 in this Docket, DEP will file updates reflecting actual costs and actual revenues  
8 for the April through July 2014 prospective period. In addition, interest owed to  
9 customers resulting from any revenue over-collections will be updated pursuant to  
10 Commission Rule R8-69(b)(3).

11 **Q. WHY IS IT NECESSARY TO SUBTRACT PRIOR PROSPECTIVE**  
12 **PERIOD COSTS WHEN DETERMINING THE DSM/EE EMF REVENUE**  
13 **REQUIREMENT?**

14 A. The costs incurred in the prior prospective period (April 1, 2013 through July 31,  
15 2013) overlap with the current test period and were used in the determination of  
16 the EMF revenue requirement in the Company's last annual DSM/EE Rider filing  
17 in Docket No. E-2, Sub 1030. The exclusion of these costs is necessary in order  
18 to eliminate "double-counting."

1 **DSM/EE EMF ADJUSTMENTS**

2 **Q. WILL YOU DESCRIBE THE \$40,302 THAT HAS BEEN CATEGORIZED**  
3 **AS “OTHER ADJUSTMENTS”?**

4 A. The \$40,302 in “Other Adjustments” is the sum of lines 4 through 16 found on  
5 Evans Direct Exhibit No. 7. Line 4 of this exhibit is reserved for prospective  
6 uncollectible allowances in DEP’s DSM/EE rates. An uncollectible adjustment  
7 was not requested in the Company’s current cost recovery request. The  
8 adjustments found on lines 5 through 15 reflect the true-up of PPIs for eleven (11)  
9 program vintages associated with nine (9) of DEP’s DSM/EE Programs. The last  
10 of these adjustments, found on line 16, recognizes estimated interest obligations  
11 for revenue over-collections during the period extending from August 1, 2013  
12 through July 31, 2014.

13 **Q. WILL YOU PROVIDE ADDITIONAL INFORMATION RELATING TO**  
14 **THE TRUE-UP OF PPI AMOUNTS?**

15 A. DEP’s independent third party EM&V consultant, Navigant, completed its  
16 assessments of the following vintages of DEP EE and DSM programs: 2011 and  
17 2012 Vintage Periods of ARP; the 2012 Vintage Period of the CIG Demand  
18 Response Automation Program; the 2012 Vintage Period of the Neighborhood  
19 Energy Saver (Low-Income) Program; the 2012 Vintage Period of the Residential  
20 Home Advantage Program; the 2012 Vintage Period of the Residential Home  
21 Energy Improvement Program; the 2012 Vintage of the CIG Energy Efficiency  
22 Program; the 2012 Vintage Period of the Residential EnergyWise Program; the  
23 2012 Vintage Period of the Residential Benchmarking Program; and the 2012  
24 Vintage Period of the Energy Efficient Lighting Program. Using the data from

1 these third party assessments, DEP reevaluated the cost-effectiveness tests for the  
2 individual program vintages. Specifically, the Total Resource Cost (“TRC”) test  
3 and Utility Cost Test (“UCT”) are employed for the reevaluation of PPI and NLR  
4 values. In addition, to the above, DEP recalculated the PPI and NLR values  
5 applicable to the 2010 and 2011 Vintage Periods of its ARP.

6 **Q. WHAT IS THE TRC TEST?**

7 A. The TRC test is one of several DSM/EE cost-effectiveness tests used to evaluate a  
8 DSM or EE program as a resource option. TRC evaluates the benefits and costs  
9 of a DSM/EE program from the perspective of all utility customers as a whole.  
10 The total costs of the program include both the program participants’ costs and  
11 the utility’s costs (adjusted for any incentives paid by the utility to the  
12 participants). The benefits for the TRC test consist of the avoided supply-side  
13 costs (i.e., the reduction in generation, transmission and distribution capacity and  
14 energy costs) valued at their marginal cost for the periods where there is a load  
15 reduction and any incentives paid by the utility to the participants. Since  
16 incentives paid by the utility are included as both a cost and benefit (a cost to the  
17 utility and a benefit to the recipients), they cancel themselves out and for all  
18 intents and purposes, such incentives are not considered in the analysis.

19 **Q. WHAT ROLE DOES THE TRC TEST PLAY IN DEP’S DSM/EE**  
20 **PROGRAMS?**

21 A. The TRC test is employed in several roles when evaluating DSM/EE programs.  
22 First, it is used as a filter or screening mechanism for new DSM/EE programs.  
23 Proposed DSM/EE programs, with some exceptions, require a TRC ratio greater  
24 than 1.05 in order to be considered. Secondly, the TRC impacts the determination

1 of the PPIs. Subject to EM&V based true-ups, program vintages with a TRC of  
2 less than 1.0, at the time of the cost recovery proceeding, are ineligible for PPI.

3 **Q. CAN YOU PROVIDE THE REQUESTED PORTFOLIO-LEVEL TRC**  
4 **TEST THAT INCLUDES GEA EXPENDITURES AND OTHER**  
5 **INDIRECT PROGRAM COSTS?**

6 A. Yes. The requested portfolio-level TRC test results based on are provided on  
7 Evans Direct Exhibit No. 11. The portfolio-level TRC test result provides a 2.5  
8 cost benefit ratio. The portfolio-level TRC test, including the recognition of GEA  
9 expenditures and other indirect costs, results in a 2.4 cost benefit ratio.

10 **Q. DID ANY PROGRAMS OR MEASURES FAIL THE TRC TEST?**

11 A. Yes. DEP has evaluated TRCs for those program vintages where EM&V results  
12 were available. The estimated TRCs for Vintages 2013 and 2014 of the Small  
13 Business Direct Install and Home Energy Improvement Programs were less than  
14 1.0 and the estimated Vintage 2013 TRC for the Residential New Construction  
15 Program was also less than 1.0. Until such time as EM&V or updated TRC  
16 results become available, these program vintages will not be eligible for PPIs. In  
17 addition, the estimated 2013 Vintage of DEP's Neighborhood Energy Saver (Low  
18 Income) Program had a TRC result of 0.5. Since DEP did not request a PPI for  
19 this program, a PPI adjustment was unnecessary.

20 **Q. WILL YOU SUMMARIZE HOW PPI VALUES AND NET LOST**  
21 **REVENUE RESULTS WERE IMPACTED BY THE EM&V RESULTS?**

22 A. As previously indicated, the levelized PPIs for the program vintages were  
23 recalculated using revised cost effectiveness results resulting from EM&V study

1 findings. In addition to the changes in PPI amounts, EM&V-based impacts to the  
2 Company's NLR values were recognized.

3 The change in PPIs, resulting from the application of the EM&V studies,  
4 provided for an under-collection totaling \$42,821. The adjustments for the  
5 individual programs, by vintage, are provided on Evans Direct Exhibit No. 7.

6 **DSM/EE REVENUE REQUIREMENT**

7 **Q. WILL YOU PLEASE DESCRIBE THE BASIS FOR THE RATE PERIOD**  
8 **REVENUE REQUIREMENT?**

9 A. As indicated previously, the estimated revenue requirement for the rate period is  
10 \$99,203,571. This amount reflects the anticipated costs and necessary recoveries  
11 for the rate period, which extends from December 1, 2014 through November 30,  
12 2015. The \$99,203,571 revenue requirement includes: (1) \$7,591,529 for  
13 anticipated rate period program expenses; (2) amortizations of and carrying costs  
14 on deferred prior period costs totaling \$37,798,416; (3) recovery of DSDR  
15 depreciation and capital costs totaling \$21,694,360; (4) NLR for the rate period  
16 totaling \$22,450,772 from Vintage Years 2013 and 2014 and a portion of program  
17 measures installed in Vintage Year 2015; and (5) program incentive payments  
18 totaling \$9,668,494 associated with Vintage Years 2009, 2010, 2011, 2012, 2013,  
19 and 2014.

20 **JURISDICTIONAL COST ALLOCATION**

21 **Q. HOW ARE DSM AND EE PROGRAM COSTS ALLOCATED TO THE**  
22 **NORTH CAROLINA RETAIL JURISDICTION?**

23 A. First, DEP reviews all costs to be recovered. These costs are then separated into  
24 three categories: (1) EE-related costs, (2) DSM-related costs and (3) costs that



1 provide a system benefit in support of both EE and DSM programs. For each of  
2 these categories, different allocation methods are employed to assign those costs  
3 to the appropriate jurisdiction.

4 **Q. PLEASE ELABORATE ON THE METHODOLOGY USED TO**  
5 **ALLOCATE DSM/EE COSTS THAT OFFER A SYSTEM BENEFIT.**

6 A. A&G costs provide a system benefit in support of both EE and DSM programs  
7 and, therefore, are included in both categories. The allocation of these costs into  
8 either the EE or DSM category is based upon the percentage of each type of  
9 expenditure anticipated during the next forecast calendar year. For example, if  
10 30% of these costs in the forecast period are EE-related, then 30% of the A&G  
11 costs will be considered as EE-related costs for allocation purposes. The use of a  
12 forecast period recognizes the types of new programs DEP will offer in the  
13 immediate future that will be supported by these administrative costs. The  
14 assignment of A&G costs as either EE- or DSM-related is reviewed annually each  
15 May based upon forecasted costs for the next calendar year. The A&G costs in  
16 this proceeding have been assigned to these categories based upon forecasted  
17 DSM and EE costs for 2015.

18 **Q. IN EVANS DIRECT EXHIBIT 1, THE DSDR PROGRAM IS SEPARATED**  
19 **FROM THE OTHER DSM AND EE PROGRAMS. HOW IS THE DSDR**  
20 **PROGRAM CLASSIFIED?**

21 A. The DSDR Program has been classified, for purposes of ratemaking, as an EE  
22 program. Due to the scope and nature of this program, its costs are being tracked  
23 separately. This separate tracking includes both direct costs and A&G costs  
24 associated with the program.

1 **Q. HOW ARE COSTS IDENTIFIED AS EE-RELATED ALLOCATED TO**  
2 **NORTH CAROLINA?**

3 A. Any program costs that are identified as being EE-related, including A&G costs,  
4 are allocated to North Carolina retail based upon the ratio of North Carolina retail  
5 sales to DEP system retail sales at the point of generation. The allocation  
6 percentage is updated each May and is based on the prior calendar year data.

7 **Q. HOW ARE DSM-RELATED COSTS ALLOCATED TO NORTH**  
8 **CAROLINA?**

9 A. Any program costs that are identified as being DSM-related, including assigned  
10 A&G costs, are allocated to North Carolina retail based upon the ratio of the  
11 North Carolina retail demand to the DEP system retail demand at the hour of the  
12 annual summer system peak. The allocation percentage is updated each May and  
13 is based on the prior calendar year demand data.

14 **UTILITY INCENTIVES AND NET LOST REVENUES**

15 **Q. HOW WERE THE UTILITY INCENTIVES CALCULATED?**

16 A. PPIs are calculated pursuant to the Agreement and Stipulation of Partial  
17 Settlement (“Agreement”) filed with the Commission on December 9, 2008, and  
18 are based on the savings achieved by DSM/EE programs as measured by the  
19 UCT. Under the terms of the Agreement and using the UCT, the amount of the  
20 PPI initially to be recovered for a given measurement unit and vintage year is  
21 eight (8) percent of the present value of the net benefits for DSM programs and  
22 measures and thirteen (13) percent for EE programs and measures. Estimated net  
23 savings are determined by multiplying the number of measurement units  
24 projected to be installed for a specific program or measure in a vintage year by the

1 most current estimates of the annual per installation kW and kWh savings over  
2 the measurement unit's life and by the annual kW and kWh avoided costs. DEP  
3 then subtracts the estimated utility costs over the measurement unit's life related  
4 to the projected installations in that vintage year and discounts the result to  
5 determine a net present value.

6 The PPI for each program vintage is converted into a stream of up to ten  
7 (10) levelized annual payments. DEP's overall weighted average net-of-tax rate  
8 of return approved in the Company's most recent general rate case is used as the  
9 appropriate discount rate. Pursuant to the Agreement, PPI recoveries are subject  
10 to true-up on the basis of future EM&V results. PPI calculations are based on  
11 calendar year vintages. The PPI vintage assigned to the test period encompasses  
12 calendar year 2013. These values will be trued-up on the basis of future EM&V  
13 results. The estimated PPI for the rate period is based on calendar year 2014  
14 results and will be revisited as a part of the Company's next EE/DSM cost  
15 recovery proceeding.

16 **Q. IS THE COMPANY REQUESTING PPI FOR ALL OF ITS PROGRAMS?**

17 A. No. The Company is not requesting PPI recovery for its Residential Low-Income  
18 Program or its Pilot Residential Solar Water Heating Program. In addition, under  
19 the terms of the Agreement, the Company is not eligible for a PPI for its DSDR  
20 program or for programs with a TRC of less than 1.0.

21 **Q. HOW WERE NLR DETERMINED?**

22 A. NLR, which are applicable to both DSM and EE programs, are determined by  
23 multiplying the estimated reduction in kWh sales associated with a program or  
24 measure by a margin-based net lost revenue rate. While subject to a few nuances

1 such as variable O&M, the following formula embraces the essence of the  
2 adjustment.

3 
$$\text{Net Lost Revenues (\$)} = \text{Lost Sales (kWh)} \times \text{Net Lost Revenue Rate (\$/kWh)}$$

4 Lost Sales are those sales that do not occur by virtue of employing DEP  
5 DSM/EE measures. These values are initially based on engineering estimates  
6 and/or past impact evaluations. Future periods are based on updated impact  
7 evaluations resulting from EM&V activities and are applied prospectively and in  
8 conjunction with applicable net lost revenue true-ups. The NLR rate represents  
9 the difference between the average retail rate applicable to the customer class  
10 impacted by the measure and (1) the embedded gross receipts taxes, (2) the  
11 related average customer charge component of that rate, (3) the average fuel  
12 component of the rate, and (4) the incremental variable O&M rate as approved in  
13 the Company's last CSP tariff. When multiple customer classes are impacted by  
14 a DSM/EE measures, as with the DSDR program, a weighted or system wide  
15 NLR rate would be employed.

16 Pursuant to the Agreement, NLR are recoverable for no more than 36  
17 months of an installed measure's life and consistent with the PPI, recoveries are  
18 subject to true-up on the basis on future EM&V results. As a result of DEP's  
19 general rate case (Docket No. E-2, Sub 1023), measures installed prior to January  
20 1, 2013, due to their perceived recognition in DEP's rate case, are not recoverable  
21 as a part of this request.

22 **Q. IS THE COMPANY REQUESTING NLR RECOVERIES FOR ALL OF**  
23 **ITS PROGRAMS?**

1 A. No. The Company is not requesting recovery of NLR for its Pilot Residential  
2 Solar Water Heating Program. In addition, at this time, DEP has not requested  
3 recovery of NLR for its event-driven measures, EnergyWise, Demand Response  
4 Automation, and DSDR. In fact, DEP is not requesting recovery of any NLR  
5 associated with any of its DSM or DSDR programs in this particular filing,  
6 though they are eligible for NLR recovery.

7 **RATE DEVELOPMENT**

8 **Q. ONCE DEP’S DSM/EE COSTS ARE ALLOCATED BETWEEN NORTH**  
9 **AND SOUTH CAROLINA AND IDENTIFIED AS BEING EITHER DSM**  
10 **OR EE RELATED, HOW ARE RATES ESTABLISHED?**

11 A. As with rates currently in effect, DEP schedules are designed to establish three  
12 rate groups: Residential, General Service and Lighting.

13 **Q. CAN YOU IDENTIFY THE RATE TARIFFS THAT FALL WITHIN**  
14 **EACH RATE CLASS?**

15 A. Yes. The following table lists the schedules and riders proposed within each rate  
16 class:

<b>Residential</b>	<b>GENERAL SERVICE</b>			<b>Lighting</b>
	Small General Service	Medium General Service	Large General Service	
RES R-TOUD R-TOUE	SGS TSS TFS	MGS SGS-TOU SI GS-TES APH-TES CH-TOUE CSE CSG Riders 66 & SS (< 1 MW)	LGS LGS-TOU LGS-RTP Riders 66 & SS (1 MW & Greater)	ALS SLS SLR SFLS

1 **COST ALLOCATION METHODOLOGY**

2 **Q. HOW ARE EE AND DSM RELATED COSTS ALLOCATED TO EACH**  
3 **RATE CLASS?**

4 A. Costs are assigned to customer classes based on program design and participation.  
5 In other words, costs are assigned to customer groups that directly benefit from  
6 the programs. Simply stated, residential program costs are allocated solely to  
7 residential customers, general service program costs are allocated solely to  
8 general service customers, and lighting program costs are allocated solely to  
9 lighting customers. Where programs benefit multiple customer groups, the costs  
10 are allocated directly to groups receiving benefits or by employing annual energy  
11 and/or coincident peak demand based allocation factors.

12 The manner in which the costs associated with a specific program have been  
13 assigned to customer groups is provided in Evans Direct Exhibit Nos. 5, 6, 8 and  
14 9.

15 **Q. HOW ARE SALES AND DEMAND ADJUSTED FOR THE IMPACT OF**  
16 **“OPT-OUT” CUSTOMERS?**

17 A. Commercial customers with annual consumption of 1,000,000 kWh or greater in  
18 the billing months of the prior calendar year and all industrial customers may  
19 elect not to participate in DEP’s DSM and EE programs. DEP reviewed its  
20 customer records and identified that commercial and industrial customers  
21 choosing to opt-out consumed 11,060,550,687 kWhs during the year ended  
22 March 31, 2014.

23 Rate class allocation factors were developed assuming that customers that  
24 have elected to opt-out of the Company’s DSM/EE rider will continue to do so. If

1 customers decide to change their opt-out status, revenue gains or losses will be  
2 recognized in subsequent DSM/EE EMF calculations.

3 Sales for the year ended March 31, 2014 for all customers electing to opt-  
4 out of the DSM/EE rate are provided in Evans Direct Exhibit No. 2.

5 **Q. THE SALES FOR OPT-OUT CUSTOMERS ARE EASILY IDENTIFIED,**  
6 **BUT HOW IS THE COINCIDENT PEAK OF THESE CUSTOMERS**  
7 **ESTIMATED?**

8 A. Currently installed metering for a great number of these customers does not  
9 provide sufficient detail to determine the opt-out customers' contribution to the  
10 system coincident peak hour load. This impact is estimated based upon the ratio  
11 of opt-out sales to total sales for the rate class times the rate class peak demand.  
12 This approach should accurately approximate the demand of opt-out accounts.

13 **Q. AFTER ADJUSTING ENERGY AND DEMAND FOR OPT-OUT**  
14 **CUSTOMERS, ARE THE RESULTING ALLOCATION FACTORS THEN**  
15 **USED TO DETERMINE REVENUE REQUIREMENTS FOR EACH RATE**  
16 **CLASS?**

17 A. Energy- and demand-based allocators are used in cases where programs or  
18 measures directly benefit multiple rate groups. When a DSM or EE program  
19 benefits multiple rate groups, EE costs are multiplied by rate class energy  
20 allocation factors and any associated DSM costs are multiplied by rate class  
21 demand allocation factors for purposes of cost assignment.

22 Since usage for opt-out customers is not forecasted, the energy allocation  
23 rate class factors were developed from the forecasted rate class usage, after  
24 subtracting actual sales for opt-out customers for the year ended March 31, 2014.

1 The energy allocation factors applicable to each rate class based upon the forecast  
2 of rate class sales for the recovery period of December 2014 through November  
3 2015 are provided in Evans Direct Exhibit No. 3.

4 The demand allocation rate class factors are based on the summer coincident  
5 peak demand for 2013, after subtracting the estimated demand for opt-out  
6 customers as discussed above. The forecast does not provide rate class coincident  
7 peak demands; therefore, the most recent historic data was deemed to be  
8 representative of future demand impacts. The demand allocation factors  
9 applicable to each rate class are provided in Evans Direct Exhibit No. 4.

10 **Q. WHICH OF THE COMPANY'S PROGRAMS OR MEASURES BENEFIT**  
11 **MULTIPLE CUSTOMER CLASSES?**

12 A. The Company's DSDR program benefits all customer classes. To allocate DSDR  
13 costs, rate class energy allocation factors are employed. These allocation  
14 procedures are elements of Evans Direct Exhibit Nos. 5 and 8. In addition, the  
15 Company's Energy Efficient Lighting Program provides benefits to both the  
16 residential and general service customer classes. These costs were allocated on  
17 the basis of bulbs provided to those classes using EM&V results.

18 **Q. HOW ARE RATE CLASS DSM/EE RATES ESTABLISHED?**

19 A. The calculated rate class EE and DSM revenue requirements are divided by rate  
20 class sales, after adjustment for opt-out customers, to establish the rate class  
21 DSM/EE rate. Evans Direct Exhibit No. 5 provides the derivation of the EE rate.  
22 Evans Direct Exhibit No. 6 provides the derivation of the DSM rate.

23 **Q. HOW IS THE RATE FOR THE DSM/EE EMF ESTABLISHED?**



1 A. As with DSM/EE rate determination, the calculated rate class EE and DSM EMF  
2 revenue requirements, adjusted for cost recoveries, are divided by rate class sales,  
3 after adjustment for opt-out customers, to establish the rate class DSM/EE rate.  
4 Evans Direct Exhibit No. 8 provides the derivation of the EE EMF. Evans Direct  
5 Exhibit No. 9 provides the derivation of the DSM EMF.

6 **Q. WHAT RATES ARE PROPOSED FOR EACH RATE CLASS?**

7 A. Evans Direct Exhibit No. 10 is populated with the DSM/EE rates and EMF values  
8 proposed in this proceeding. The DSM/EE rates recover costs forecasted to be  
9 incurred from December 1, 2014 through November 30, 2015. The DSM/EE  
10 EMF is a true-up mechanism recognizing costs and recoveries for the period  
11 August 1, 2013 through July 31, 2014. Projected costs and recoveries during this  
12 period will be trued-up prior to the September hearing. DEP proposes the  
13 following rates, exclusive of North Carolina Regulatory Fees, for each rate class  
14 (shown in cents per kWh):

Rate Class	DSM/EE Rate (¢/kWh)	DSM/EE EMF (¢/kWh)	DSM/EE Annual Rider (¢/kWh)
Residential	0.395	0.008	0.403
General Service	0.397	0.001	0.398
Lighting	0.108	-0.005	0.103

15 **Q. WHAT ARE THE RATES INCLUDING NORTH CAROLINA**  
16 **REGULATORY FEES?**

17 A. The proposed billing rates, including NC Regulatory Fees for each class, are  
18 provided in the following table (shown in cents per kWh):

Rate Class	DSM/EE Rate (¢/kWh)	DSM/EE EMF (¢/kWh)	Annual DSM/EE Rider (¢/kWh)
Residential	0.396	0.008	0.404
General Service	0.398	0.001	0.399
Lighting	0.108	-0.005	0.103

1 **Q. HOW WILL DEP'S TARIFFS BE REVISED TO RECOVER THESE**  
2 **RATES?**

3 A. The Company's Annual Billing Adjustment, Rider BA, will be updated to  
4 recognize these rates, adjusted for the North Carolina Regulatory Fees.

5 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

6 A. Yes.

# North Carolina Retail - DSM/EE Revenue Requirements Summary

## A. Test Period

	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(13)			ΣCols(14)thru(16)	
<b>NC DSM Program Expenses</b>																		
1	CIG DR			1,303,332	130,333	-	400,247							530,580	-	109,328	639,908	
2	EnergyWise			8,540,580	854,058	-	3,503,952							4,358,010	-	2,222,225	6,580,235	
3	Total DSM			9,843,912	984,391	-	3,904,199							4,888,590	-	2,331,553	7,220,143	
4	DSM Assigned A&G and CCost		627,843	627,843		209,281	663,571					1,465,657	650,745	2,989,254			2,989,254	
5	Total DSM and Assigned Costs		627,843	10,471,755	984,391	209,281	4,567,770					1,465,657	650,745	7,877,844	-	2,331,553	10,209,397	
<b>NC EE Program Expenses</b>																		
6	Res Home Advantage	4,955		4,955	496	-	414,884							415,380	12,281	176,476	604,137	
7	Res Home Energy Improvem't	4,324,589		4,324,589	432,459	-	2,250,838							2,683,297	214,590	311,107	3,208,994	
8	Residential Low Income	1,627,553		1,627,553	162,755	-	637,967							800,722	84,773	-	885,495	
9	Solar Hot Water Pilot			-	-	-	39,343							39,343	-	-	39,343	
10	Lighting (Res)*	9,476,727		9,476,727	1,895,345	-	3,837,528							5,732,873	4,820,155	2,071,131	12,624,159	
11	Res Appliance Recycling	1,159,171		1,159,171	115,917	-	380,142							496,059	139,441	109,432	744,932	
12	EE Benchmarking*	372,925		372,925	372,925	-	-							372,925	552,638	127,551	1,053,114	
13	Residential New Construction	2,499,339		2,499,339	249,934	-	88,445							338,379	56,503	-	394,882	
14	Home Depot CFL			-	-	-	34,012							34,012	-	-	34,012	
15	Subtotal-Residential	19,465,259		19,465,259	3,229,831	-	7,683,159							10,912,990	5,880,380	2,795,697	19,589,067	
16	CIG Energy Efficiency	6,859,194		6,859,194	685,919	-	2,721,771							3,407,690	2,486,542	2,622,623	8,516,855	
17	Lighting (Gen Svc)*	1,150,981		1,150,981	230,196	-	417,783							647,979	1,934,390	526,076	3,108,445	
18	Small Business Energy Saver	3,845,808		3,845,808	384,581	-	71,944							456,525	132,062	-	588,587	
19	Subtotal-General Service	11,855,983		11,855,983	1,300,696	-	3,211,498							4,512,194	4,552,994	3,148,699	12,213,887	
20	Total of EE Programs	31,321,242		31,321,242	4,530,527	-	10,894,657							15,425,184	10,433,374	5,944,396	31,802,953	
21	EE Assigned A&G and CCost		1,946,002	1,946,002		648,667	1,486,522					3,189,638	1,417,414	6,742,241			6,742,241	
22	Total EE and Assigned Costs	31,321,242	1,946,002	33,267,244	4,530,527	648,667	12,381,179					3,189,638	1,417,414	22,167,425	10,433,374	5,944,396	38,545,194	
<b>NC DSDR Program Expenses</b>																		
23	DSDR Program	5,379,251	919,685	6,298,936	629,894	-	2,546,647	8,786,856	4,082,119	592,724	9,927,879			26,566,119	-	-	26,566,119	
24	DSDR Assigned A&G and CCost			-	-	-	(1,002)					927,646	412,046	1,338,690			1,338,690	
25	Total DSDR and Assigned Costs	5,379,251	919,685	6,298,936	629,894	-	2,545,645	8,786,856	4,082,119	592,724	9,927,879	927,646	412,046	27,904,809	-	-	27,904,809	
26	Test Period Totals	46,544,405	919,685	2,573,845	50,037,935	6,144,812	857,948	19,494,594	8,786,856	4,082,119	592,724	9,927,879	5,582,941	2,480,205	57,950,078	10,433,374	8,275,949	76,659,401

\* Lighting Program is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

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# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## B. Prospective Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																	
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(13)			ΣCols(14)thru(16)
<b>NC DSM Program Expenses</b>																	
1	CIG DR		-	654,053	65,405	-								65,405	-	-	65,405
2	EnergyWise		-	2,362,678	236,268	-								236,268	-	-	236,268
3	Total DSM		-	3,016,731	301,673	-								301,673	-	-	301,673
4	DSM Assigned A&G and CCost		301,200	301,200		100,400						516,491	233,459	850,350			850,350
5	Total DSM and Assigned Costs		301,200	3,317,931	301,673	100,400						516,491	233,459	1,152,023			1,152,023
<b>NC EE Program Expenses</b>																	
6	Res Home Advantage		-	1,995	200	-								200	1,468	-	1,668
7	Res Home Energy Improvem't		-	1,843,484	184,348	-								184,348	87,807	-	272,155
8	Residential Low Income		-	625,608	62,561	-								62,561	49,173	-	111,734
9	Solar Hot Water Pilot		-	-	-	-								-	-	-	-
10	Lighting (Res)*		-	1,558,369	311,674	-								311,673	2,145,090	-	2,456,763
11	Res Appliance Recycling		-	427,345	42,735	-								42,735	129,324	-	172,059
12	EE Benchmarking*		-	238,829	238,829	-								238,829	-	-	238,829
13	Residential New Construction		-	1,959,360	195,936	-								195,936	-	-	195,936
14	Home Depot CFL		938,308	938,308	-	312,769								312,769	-	-	312,769
15	Subtotal-Residential		938,308	7,593,298	1,036,283	312,769								1,349,051	2,412,863	-	3,761,914
16	CIG Energy Efficiency		-	2,707,314	270,731	-								270,731	1,480,623	-	1,751,354
17	Lighting (Gen Svc)*		-	189,269	37,854	-								37,854	855,362	-	893,216
18	Small Business Energy Saver		-	2,136,761	213,676	-								213,676	100,711	-	314,387
19	Subtotal-General Service		-	5,033,344	522,261	-								522,261	2,436,697	-	2,958,958
20	Total of EE Programs		938,308	12,626,642	1,558,544	312,769								1,871,312	4,849,560	-	6,720,872
21	EE Assigned A&G and CCost		-	-	-	-						1,199,943	542,386	1,742,329			1,742,329
22	Total EE and Assigned Costs		938,308	12,626,642	1,558,544	312,769						1,199,943	542,386	3,613,641	4,849,560	-	8,463,201
<b>NC DSDR Program Expenses</b>																	
23	DSDR Program	309,691	-	1,703,478	170,348	-		2,764,766	1,249,702	213,492	3,422,800			7,821,108	-	-	7,821,108
24	DSDR Assigned A&G and CCost		-	-	-	-						322,228	145,650	467,878			467,878
25	Total DSDR and Assigned Costs	309,691	-	1,703,478	170,348	-		2,764,766	1,249,702	213,492	3,422,800	322,228	145,650	8,288,986	-	-	8,288,986
26	Prospective Period Totals	309,691	1,239,508	17,648,051	2,030,565	413,169		2,764,766	1,249,702	213,492	3,422,800	2,038,662	921,495	13,054,650	4,849,560	-	17,904,210

\* Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## C. Prior Prospective Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																		
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
				ΣCols(1) thru(3)	((1)+(2))/10	(3)/3								ΣCols(5) thru(13)			ΣCols(14) thru(16)	
April 2013 through July 2013																		
<b>NC DSM Program Expenses</b>																		
1	CIG DR	Per Books	310,874	-	310,874	31,087	-							31,087	-	-	31,087	
2	EnergyWise	Per Books	2,469,403	-	2,469,403	246,940	-							246,940	-	-	246,940	
3	Total DSM	Σ Lines 1 thru 2	2,780,277	-	2,780,277	278,027	-							278,027	-	-	278,027	
4	DSM Assigned A&G and CCost	Per Books	-	190,440	190,440	-	63,480					514,640	215,338	793,458	-	-	793,458	
5	Total DSM and Assigned Costs	Σ Lines 3 thru 4	2,780,277	190,440	2,970,717	278,027	63,480					514,640	215,338	1,071,485	-	-	1,071,485	
<b>NC EE Program Expenses</b>																		
6	Res Home Advantage	Per Books	1,843	-	1,843	184	-							184	69,323	-	69,507	
7	Res Home Energy Improvem't	Per Books	1,545,037	-	1,545,037	154,504	-							154,504	142,418	-	296,922	
8	Residential Low Income	Per Books	495,607	-	495,607	49,561	-							49,561	66,939	-	116,500	
9	Solar Hot Water Pilot	Per Books	-	-	-	-	-							-	-	-	-	
10	Lighting (Res)*	Per Books (allocated)	2,629,475	-	2,629,475	525,895	-							525,895	2,075,381	-	2,601,276	
11	Res Appliance Recycling	Per Books	393,059	-	393,059	39,306	-							39,306	137,831	-	177,137	
12	EE Benchmarking*	Per Books	225,933	-	225,933	225,933	-							225,933	-	-	225,933	
13	Residential New Construction	Per Books	482,248	-	482,248	48,225	-							48,225	8,490	-	56,715	
14	Home Depot CFL	Per Books	-	-	-	-	-							-	-	-	-	
15	Subtotal-Residential	Σ Lines 6 thru 14	5,773,202	-	5,773,202	1,043,608	-							1,043,608	2,500,383	-	3,543,991	
16	CIG Energy Efficiency	Per Books	2,138,723	-	2,138,723	213,872	-							213,872	1,065,713	-	1,279,585	
17	Lighting (Gen Svc)*	Per Books (allocated)	319,359	-	319,359	63,872	-							63,872	862,170	-	926,042	
18	Small Business Energy Saver	Per Books	477,025	-	477,025	47,703	-							47,703	20,741	-	68,444	
19	Subtotal-General Service	Σ Lines 16 thru 18	2,935,107	-	2,935,107	325,447	-							325,447	1,948,624	-	2,274,071	
20	Total of EE Programs	Lines 15 + 19	8,708,309	-	8,708,309	1,369,055	-							1,369,055	4,449,007	-	5,818,062	
21	EE Assigned A&G and CCost	Per Books	-	589,855	589,855	-	196,618					1,086,810	454,904	1,738,332	-	-	1,738,332	
22	Total EE and Assigned Costs	Lines 20 + 21	8,708,309	589,855	9,298,164	1,369,055	196,618					1,086,810	454,904	3,107,387	4,449,007	-	7,556,394	
<b>NC DSDR Program Expenses</b>																		
23	DSDR Program	Per Books	1,801,174	302,869	2,104,043	210,404	-	3,074,826	1,466,449	192,269	3,198,577			8,142,525	-	-	8,142,525	
24	DSDR Assigned A&G and CCost	Per Books	-	-	-	-	-					321,468	134,531	455,999	-	-	455,999	
25	Total DSDR and Assigned Costs	Σ Lines 23 thru 24	1,801,174	302,869	2,104,043	210,404	-	3,074,826	1,466,449	192,269	3,198,577	321,468	134,531	8,598,524	-	-	8,598,524	
26	Prior Prospective Period Totals	Lines 5 + 22 + 25	13,289,760	302,869	780,295	14,372,924	1,857,486	260,098	3,074,826	1,466,449	192,269	3,198,577	1,922,918	804,773	12,777,396	4,449,007	-	17,226,403

\* Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## D. EMF Revenue Requirements

Test Period + Prospective Period - Prior Prospective Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																	
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(13)			ΣCols(14)thru(16)
Aug 2013 through July 2014																	
<b>NC DSM Program Expenses</b>																	
1	CIG DR		-	1,646,511	164,651	-	400,247							564,898	-	109,328	674,226
2	EnergyWise		-	8,433,855	843,386	-	3,503,952							4,347,338	-	2,222,225	6,569,563
3	Total DSM		-	10,080,366	1,008,037	-	3,904,199							4,912,236	-	2,331,553	7,243,789
4	DSM Assigned A&G and CCost		738,603	738,603	-	246,201	663,571					1,467,508	668,866	3,046,146	-	-	3,046,146
5	Total DSM and Assigned Costs		738,603	10,818,969	1,008,037	246,201	4,567,770					1,467,508	668,866	7,958,382	-	2,331,553	10,289,935
<b>NC EE Program Expenses</b>																	
6	Res Home Advantage	5,107	-	5,107	512	-	414,884							415,396	(55,574)	176,476	536,297
7	Res Home Energy Improvem't	4,623,036	-	4,623,036	462,303	-	2,250,838							2,713,141	159,979	311,107	3,184,227
8	Residential Low Income	1,757,554	-	1,757,554	175,755	-	637,967							813,722	67,007	-	880,729
9	Solar Hot Water Pilot	-	-	-	-	-	39,343							39,343	-	-	39,343
10	Lighting (Res)*	8,405,621	-	8,405,621	1,681,124	-	3,837,528							5,518,652	4,889,864	2,071,131	12,479,647
11	Res Appliance Recycling	1,193,457	-	1,193,457	119,346	-	380,142							499,488	130,934	109,432	739,854
12	EE Benchmarking*	385,821	-	385,821	385,821	-	-							385,821	552,638	127,551	1,066,010
13	Residential New Construction	3,976,451	-	3,976,451	397,645	-	88,445							486,090	48,012	-	534,102
14	Home Depot CFL	-	938,308	938,308	-	312,769	34,012							346,781	-	-	346,781
15	Subtotal-Residential	20,347,047	938,308	21,285,355	3,222,506	312,769	7,683,159							11,218,434	5,792,860	2,795,697	19,806,991
16	CIG Energy Efficiency	7,427,785	-	7,427,785	742,778	-	2,721,771							3,464,549	2,901,452	2,622,623	8,988,624
17	Lighting (General Service)*	1,020,891	-	1,020,891	204,178	-	417,783							621,961	1,927,582	526,076	3,075,619
18	Small Business Energy Saver	5,505,544	-	5,505,544	550,554	-	71,944							622,498	212,032	-	834,530
19	Subtotal-General Service	13,954,220	-	13,954,220	1,497,510	-	3,211,498							4,709,008	5,041,067	3,148,699	12,898,773
20	Total of EE Programs	34,301,267	938,308	35,239,575	4,720,016	312,769	10,894,657							15,927,442	10,833,926	5,944,396	32,705,764
21	EE Assigned A&G and CCost	-	1,356,147	1,356,147	-	452,049	1,486,522					3,302,771	1,504,896	6,746,238	-	-	6,746,238
22	Total EE and Assigned Costs	34,301,267	2,294,455	36,595,722	4,720,016	764,818	12,381,179					3,302,771	1,504,896	22,673,680	10,833,926	5,944,396	39,452,002
<b>NC DSDR Program Expenses</b>																	
23	DSDR Program	4,971,864	926,507	5,898,371	589,838	-	2,546,647	8,476,796	3,865,372	613,947	10,152,102	-	-	26,244,702	-	-	26,244,702
24	DSDR Assigned A&G and CCost	-	-	-	-	-	(1,002)	-	-	-	-	928,406	423,165	1,350,569	-	-	1,350,569
25	Total DSDR and Assigned Costs	4,971,864	926,507	5,898,371	589,838	-	2,545,645	8,476,796	3,865,372	613,947	10,152,102	928,406	423,165	27,595,271	-	-	27,595,271
26	EMF Period Totals	49,353,497	926,507	50,280,004	5,309,854	1,011,019	19,494,594	8,476,796	3,865,372	613,947	10,152,102	5,698,685	2,596,927	58,227,333	10,833,926	8,275,949	77,337,208

\* Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## E. Rate Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																		
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR	
	(1)	(2)	(3)	(4)	(5)	(6)		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(15)			ΣCols(16)thru(18)	
December 2014 through November 2015																		
<b>NC DSM Program Expenses</b>																		
1	CIG DR		-	1,635,759	163,576	-	565,501							729,077	-	127,983	857,060	
2	EnergyWise		-	8,584,407	858,441	-	4,349,516							5,207,957	-	2,418,732	7,626,689	
3	Total DSM		-	10,220,166	1,022,017	-	4,915,017							5,937,034	-	2,546,714	8,483,748	
4	DSM Assigned A&G and CCost			920,592	920,592	306,864	910,763					2,430,765	919,995	4,568,387	-	-	4,568,387	
5	Total DSM and Assigned Costs			10,220,166	11,140,758	1,022,017	5,825,780					2,430,765	919,995	10,505,421	-	2,546,714	13,052,135	
<b>NC EE Program Expenses</b>																		
6	Res Home Advantage		-	6,150	615	-	415,396							416,011	4,367	176,476	596,853	
7	Res Home Energy Improvem't		-	5,283,602	528,360	-	2,714,197							3,242,557	421,033	311,107	3,974,697	
8	Residential Low Income		-	1,938,074	193,807	-	814,081							1,007,888	247,574	-	1,255,462	
9	Solar Hot Water Pilot		-	-	-	-	39,343							39,343	-	-	39,343	
10	Lighting (Res)*		-	5,067,895	1,013,579	-	5,520,437							6,534,016	8,961,941	2,303,697	17,799,655	
11	Res Appliance Recycling		-	1,319,182	131,918	-	499,732							631,650	630,832	129,912	1,392,394	
12	EE Benchmarking*		-	-	-	-	-							-	-	211,846	211,846	
13	Residential New Construction		-	6,627,630	662,763	-	487,212							1,149,975	567,306	41,355	1,758,637	
14	Home Depot CFL		-	-	-	-	34,012							34,012	-	-	34,012	
15	Subtotal-Residential		-	20,242,533	2,531,042	-	10,524,410							13,055,452	10,833,053	3,174,394	27,062,900	
16	CIG Energy Efficiency		-	8,426,999	842,700	-	3,466,100							4,308,800	7,493,425	3,362,077	15,164,302	
17	Lighting (General Service)*		-	615,513	123,103	-	622,178							745,281	3,567,309	585,307	4,897,898	
18	Small Business Energy Saver		-	6,486,939	648,694	-	623,722							1,272,416	556,984	-	1,829,400	
	Subtotal-General Service		-	15,529,451	1,614,497	-	4,712,000							6,326,497	11,617,718	3,947,385	21,891,600	
19	Total of EE Programs		-	35,771,984	4,145,539	-	15,236,410							19,381,949	22,450,772	7,121,779	48,954,500	
20	EE Assigned A&G and CCost			2,867,852	2,867,852	955,951	2,252,930					4,479,205	2,024,646	9,712,732	-	-	9,712,732	
21	Total EE and Assigned Costs			35,771,984	38,639,836	4,145,539	17,489,340					4,479,205	2,024,646	29,094,681	22,450,772	7,121,779	58,667,232	
<b>NC DSDR Program Expenses</b>																		
22	DSDR Program	932,872	-	5,206,819	520,682	-	3,136,865	7,869,064	3,556,896	640,476	10,268,400			25,992,383	-	-	25,992,383	
23	DSDR Assigned A&G and CCost			-	-	-	(1,002)					1,028,108	464,715	1,491,821	-	-	1,491,821	
24	Total DSDR and Assigned Costs	932,872		5,206,819	520,682	-	3,135,863	7,869,064	3,556,896	640,476	10,268,400	1,028,108	464,715	27,484,204	-	-	27,484,204	
25	Rate Period Totals	932,872	3,788,444	54,987,413	5,688,238	1,262,815	26,450,983	7,869,064	3,556,896	640,476	10,268,400	7,938,078	3,409,356	67,084,306	22,450,772	9,668,494	99,203,571	

\* Residential Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

**DUKE ENERGY PROGRESS, INC.**  
Annual Sales for NC Customers Opting-Out for DSM/EE Rate<sup>1</sup>  
Annual Sales for the Year Ended March 31, 2014

Rate Class	Opt-Out KWHs
Residential	-
General Service	11,046,437,784
Lighting	14,112,903
<b>Total Opt-Out Sales</b>	<b>11,060,550,687</b>

<sup>1</sup> Actual Opt-Out volumes for the twelve-months ending March 31, 2014.



DUKE ENERGY PROGRESS, INC.

Energy Allocation Factors - Applicable to EE Program Costs

North Carolina Rate Class Energy Allocation Factors

<u>Rate Class</u>	<u>Total NC Rate Class Sales (MWhrs) <sup>(1)</sup></u> (1)	<u>Opt-Out Sales<sup>(2)</sup></u> (2)	<u>Adjusted NC Rate Class MWhr Sales</u> (3) = (1) - (2)	<u>Rate Class Energy Allocation Factor</u> (4) = (3) / NC Total in Column 3
Residential	15,779,909	-	15,779,909	62.203%
General Service	20,233,663	11,046,438	9,187,225	36.215%
Lighting	415,464	14,113	401,351	1.582%
NC Retail	36,429,036	11,060,551	25,368,485	100.000%

**NOTES:**

- (1) Total NC Rate Class Sales (MWhrs) are for the forecasted year ending November 2015.
- (2) Opt-Out sales are provided in Evans Supplemental Exhibit No. 2. Since sales are not forecasted by individual customer, historic opt-out sales are assumed to be unchanged during the rate recovery period.

DUKE ENERGY PROGRESS, INC.

Demand Allocation Factors - Applicable to DSM Programs

North Carolina Rate Class Demand Allocation Factors

Rate Class	Total NC Rate Class Sales <sup>(1)</sup> (1)	Sales Subject to Opt-Out <sup>(2)</sup> (2)	Rate Class Demand <sup>(3)</sup> (3)	Revised Rate Class Demand (4) = ((1 - 2) / 1) * 3 (4) = ((1 - 2) / 1) * 3	Rate Class Allocation Factor (5) = (4)/Total of Column 4 (5) = (4)/Total of Column 4
Residential	15,779,909	-	3,571,470	3,571,470	68.259%
General Service	20,233,663	11,046,438	3,657,609	1,660,761	31.741%
Lighting	415,464	14,113	0	0	0.000%
NC Retail	36,429,036	11,060,551	7,229,079	5,232,231	100.000%

**NOTES:**

- (1) Total NC Rate Class Sales (MWHrs) are for the forecasted year ended November 2015.
- (2) Opt-Out sales are provided in Evans Supplemental Exhibit No. 2
- (3) The CP demands are based on the 2013 Coincident Peak occurring on August 12 during the hour ended at 1600 EDT.

DUKE ENERGY PROGRESS, INC.

Energy Efficiency Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup> (1)	Rate Class Energy Allocation Factor <sup>(2)</sup> (2)	EE Revenue Requirements						
			Residential Programs <sup>(3)</sup> (3)	CIG Programs <sup>(4)</sup> (4)	DSDR <sup>(5)</sup> (5)	Non-DSDR Allocated A&G and Carrying Costs <sup>(6)</sup> (6)	DSDR Allocated A&G and Carrying Costs <sup>(7)</sup> (7)	Total of Allocated Costs (8) = Σ (3 thru 7)	Total EE Rate (9) = (8) / (1)
Residential	15,779,908,739	62.20%	\$27,062,900	\$0	\$16,167,990	\$6,542,382	\$927,954	\$50,701,226	\$0.003213
General Service	9,187,225,472	36.22%	\$0	\$21,891,600	\$9,413,171	\$3,170,350	\$540,265	\$35,015,385	\$0.003811
Lighting	401,351,242	1.58%	\$0	\$0	\$411,222	\$0	\$23,602	\$434,824	\$0.001083
NC Retail	25,368,485,453	100%	\$27,062,900	\$21,891,600	\$25,992,383	\$9,712,732	\$1,491,821	\$86,151,436	\$0.003396

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Energy Allocation Factor is derived in Evans Supplemental Exhibit No. 3, column (4).
- (3) Residential Program costs are allocated solely to Residential Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG EE, Lighting, and Small Business Energy Saver costs are allocated solely to General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) DSDR Costs allocated using Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives).
- (7) DSDR A&G Costs and Carrying Costs are allocated using Rate Class Energy Allocation Factor from column (2).
- (8) Estimated EE Overcollections (from Aug-14 through Nov-14)

## DUKE ENERGY PROGRESS, INC.

### Demand Side Management Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup> (1)	Rate Class Demand Allocation Factor <sup>(2)</sup> (2)	DSM Revenue Requirements					Total of Allocated Costs (7) = Σ (3 thru 6)	Total DSM Rate (8) = (7) / (1)
			EnergyWise Program Costs <sup>(3)</sup> (3)	CIG DR Program <sup>(4)</sup> (4)	Allocated A&G Costs <sup>(5)</sup> (5)	Allocated Carrying Costs <sup>(5)</sup> (6)			
Residential	15,779,908,739	68.26%	\$7,626,689	\$0	\$1,068,101	\$2,939,281	\$11,634,071	\$0.000737	
General Service	9,187,225,472	31.74%	\$0	\$857,060	\$149,526	\$411,479	\$1,418,065	\$0.000154	
Lighting	401,351,242	0.00%	\$0	\$0	\$0	\$0	\$0	\$0.000000	
NC Retail	25,368,485,453	100.00%	\$7,626,689	\$857,060	\$1,217,627	\$3,350,760	\$13,052,135	\$0.000515	

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Demand Allocation Factor is derived in Evans Supplemental Exhibit No. 4, column (5).
- (3) EnergyWise costs are directly assigned solely to Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG DR Program costs are directly assigned solely to General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives).
- (6) Estimated DSM Overcollections (from Aug-14 through Nov-14)

DUKE ENERGY PROGRESS, INC.  
EMF Adjustments

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Line	Description	Residential				General Service				Lighting				Totals			
		DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total
1	Test Period DSM/EE Rate Billings <sup>1</sup> <i>Amounts from Schedule WP R-2</i>	\$ 8,051,821	\$ 18,008,296	\$ 24,745,029	\$ 50,805,147	\$ 983,412	\$ 11,768,616	\$ 14,482,988	\$ 27,235,016	\$ -	\$ 492,812	\$ -	\$ 492,812	\$ 9,035,233	\$ 30,269,725	\$ 39,228,017	\$ 78,532,975
2	Prospective Period DSM/EE Rate Billings <sup>2</sup> <i>Amounts from Schedule WP R-2</i>	2,801,462	5,322,740	6,733,448	14,857,650	321,113	3,796,269	3,981,798	8,099,179	-	134,299	-	134,299	3,122,575	9,253,307	10,715,246	23,091,128
3	Less: Prior Prospective Period Billings <sup>3</sup> <i>Amounts from WP R-2</i>	(2,290,267)	(5,604,140)	(7,997,238)	(15,891,645)	(334,557)	(4,108,100)	(5,112,467)	(9,555,125)	-	(171,646)	-	(171,646)	(2,624,825)	(9,883,886)	(13,109,705)	(25,618,416)
4	Less: Uncollectible Allowance in Rates <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Overcollection of Appliance Recycling PPI <sup>5</sup> <i>Amounts from WP D-5a</i>	-	-	21,205	21,205	-	-	-	-	-	-	-	-	-	-	21,205	21,205
6	Overcollection of Appliance Recycling PPI <sup>6</sup> <i>Amounts from WP D-5A</i>	-	-	661	661	-	-	-	-	-	-	-	-	-	-	661	661
7	Undercollection of CIG Demand Response PPI <sup>7</sup> <i>Amounts from WP D-5A</i>	-	-	-	-	(2,543)	-	-	(2,543)	-	-	-	-	(2,543)	-	-	(2,543)
8	Overcollection of Home Advantage PPI <sup>8</sup> <i>Amounts from WP D-5A</i>	-	-	1,213	1,213	-	-	-	-	-	-	-	-	-	-	1,213	1,213
9	Undercollection of HEIP PPI <sup>9</sup> <i>Amounts from WP D-5B</i>	-	-	(24,971)	(24,971)	-	-	-	-	-	-	-	-	-	-	(24,971)	(24,971)
10	Overcollection of CIG EE PPI <sup>10</sup> <i>Amounts from WP D-5B</i>	-	-	-	-	-	-	43,221	43,221	-	-	-	-	-	-	43,221	43,221
11	Overcollection of EnergyWise <sup>11</sup> <i>Amounts from WP D-5B</i>	48,310	-	-	48,310	-	-	-	-	-	-	-	-	48,310	-	-	48,310
12	Undercollection of Appliance Recycling <sup>12</sup> <i>Amounts from WP D-5B</i>	-	-	(10,494)	(10,494)	-	-	-	-	-	-	-	-	-	-	(10,494)	(10,494)
13	Undercollection of Residential Benchmarking PPI <sup>13</sup> <i>Amounts from WP D-5B</i>	-	-	(58,986)	(58,986)	-	-	-	-	-	-	-	-	-	-	(58,986)	(58,986)
14	Undercollection of Lighting Program Residential PPI <sup>14</sup> <i>Amounts from WP D-5B</i>	-	-	(40,290)	(40,290)	-	-	-	-	-	-	-	-	-	-	(40,290)	(40,290)
15	Undercollection of Lighting Program Gen Svc PPI <sup>15</sup> <i>Amounts from WP D-5B</i>	-	-	-	-	-	-	(20,148)	(20,148)	-	-	-	-	-	-	(20,148)	(20,148)
16	Interest on Overcollections <sup>16</sup> <i>Amounts from WP B-10</i>	-	-	-	-	-	-	-	-	-	2,518	-	2,518	-	2,518	-	2,518
17	Net Adjustments to DSM/EE EMF Clause <i>Σ Lines 1 through 16</i>	\$ 8,611,327	\$ 17,726,895	\$ 23,369,578	\$ 49,707,800	\$ 967,425	\$ 11,456,785	\$ 13,375,392	\$ 25,799,601	\$ -	\$ 457,983	\$ -	\$ 457,983	\$ 9,578,752	\$ 29,641,664	\$ 36,744,969	\$ 75,965,384
		\$41,096,473 To Exhibit 8				\$24,832,177 To Exhibit 8				\$66,386,633 To Exhibit 8							

<sup>1</sup> Actual DSM/EE Rate billings for test period (April 2013 through March 2014).  
<sup>2</sup> Estimated DSM/EE Rate billings for prospective period (April 2014 through July 2014).  
<sup>3</sup> Actual DSM/EE Rate billings for prior prospective period (April 2012 through July 2013).  
<sup>4</sup> The Company is not requesting an adjustment for uncollectibles in this proceeding.  
<sup>5</sup> Reflects Vintage 2010 Appliance Recycling PPI true-up.  
<sup>6</sup> Reflects Vintage 2011 Appliance Recycling PPI true-up.  
<sup>7</sup> Reflects Vintage 2012 CIG Demand Response PPI true-up.  
<sup>8</sup> Reflects Vintage 2012 Home Advantage PPI true-up.  
<sup>9</sup> Reflects Vintage 2012 HEIP PPI true-up.  
<sup>10</sup> Reflects Vintage 2012 CIG EE Program PPI true-up.  
<sup>11</sup> Reflects Vintage 2012 EnergyWise PPI true-up.  
<sup>12</sup> Reflects Vintage 2012 Appliance Recycling PPI true-up.  
<sup>13</sup> Reflects Vintage 2012 Residential Benchmarking PPI true-up.  
<sup>14</sup> Reflects Vintage 2012 Lighting Program Residential PPI true-up.  
<sup>15</sup> Reflects Vintage 2012 Lighting Program Gen Svc PPI true-up.  
<sup>16</sup> Estimated interest obligation associated with extended test period (August 1, 2012 through July 31, 2013) over-recovery of revenues.

DUKE ENERGY PROGRESS, INC.

Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	EE EMF Revenue Requirement										
	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup> (1)	Rate Class Energy Allocation Factor <sup>(2)</sup> (2)	Residential Programs <sup>(3)</sup> (3)	CIG Programs <sup>(4)</sup> (4)	DSDR <sup>(5)</sup> (5)	Non-DSDR Allocated A&G and Carrying Costs <sup>(6)</sup> (6)	DSDR Allocated A&G and Carrying Costs <sup>(5)</sup> (7)	Total of Allocated Costs (8) = Σ (3 thru 7)	Less: Prior Period EE Rate Adjustment <sup>(7)</sup> (9)	Adjusted EE EMF Revenue Requirement (10)=(8)-(9)	Total EE EMF Rate (11) = (10) / (1)
Residential	15,779,908,739	62.20%	\$ 19,806,991	\$0	\$ 16,324,940	\$4,751,687	\$840,092	\$41,723,710	\$41,096,473	\$627,237	\$0.000040
General Service	9,187,225,472	36.22%	\$0	\$ 12,898,773	\$ 9,504,548	\$1,994,551	\$489,110	\$24,886,982	\$24,832,177	\$54,806	\$0.000006
Lighting	401,351,242	1.58%	\$0	\$0	\$ 415,214	\$0	\$21,367	\$436,581	\$457,983	-\$21,402	-\$0.000053
NC Retail	25,368,485,453	100.00%	\$ 19,806,991	\$12,898,773	\$26,244,702	\$6,746,238	\$1,350,569	\$67,047,273	\$66,386,633	\$660,640	\$0.000026

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Energy Allocation Factor is derived in Evans Supplemental Exhibit No. 3, column (4).
- (3) Residential Program costs are allocated solely to Residential rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG Energy EE, Lighting, and Small Business Direct Energy Saver costs are allocated solely to General Service rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) DSDR Costs allocated using Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives) assigned in preceding columns.
- (7) Amounts are derived in Evans Supplemental Exhibit No. 7.

DUKE ENERGY PROGRESS, INC.

Demand Side Management Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup> (1)	Rate Class Demand Allocation Factor <sup>(2)</sup> (2)	DSM EMF Revenue Requirement					Less: Prior Period DSM Rate Adjustment <sup>(6)</sup> (8)	Adjusted DSM EMF Revenue Requirement (9)=(7)-(8)	Total DSM EMF Rate (10) = (9) / (1)
			EnergyWise Program Costs <sup>(3)</sup> (3)	CIG DR Program <sup>(4)</sup> (4)	Cost Assigned A&G Costs <sup>(5)</sup> (5)	Cost Assigned Carrying Costs <sup>(5)</sup> (6)	Total of Allocated Costs (7) = Σ (3 thru 6)			
Residential	15,779,908,739	68.26%	\$6,569,563	\$0	\$805,150	\$1,890,695	\$9,265,408	\$8,611,327	\$654,082	\$0.000041
General Service	9,187,225,472	31.74%	\$0	\$674,226	\$104,622	\$245,679	\$1,024,527	\$967,425	\$57,102	\$0.000006
Lighting	401,351,242	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.000000
NC Retail	25,368,485,453	100%	\$6,569,563	\$674,226	\$909,772	\$2,136,374	\$10,289,935	\$9,578,752	\$711,184	\$0.000028

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Demand Allocation Factor is derived in Evans Supplemental Exhibit No. 4, column (5).
- (3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG DR costs are directly assigned solely to the General Service Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives) assigned in preceding columns.
- (6) Amounts are derived in Evans Supplemental Exhibit No. 7.

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DUKE ENERGY PROGRESS, INC.

DSM/EE Annual Rate & EMF - December 2014 through November 2015

All rates are shown in dollars per kWh

NC Rate Class	DSM/EE Adjustment Rate				DSM/EE Rate w/ Gross-up (5)	Uncollectibles Adjustment (6)	DSM/EE Billing Rate (7)
	EE Rate (1)	DSM Rate (2)	DSM/EE Rate (3)	Reg Fee (4)			
Residential	\$0.003213	\$0.000737	\$ 0.00395	\$ 0.00001	\$ 0.00396	NA	\$ 0.00396
General Service	0.003811	0.000154	0.00397	0.00001	0.00398	NA	0.00398
Lighting	0.001083	0.000000	0.00108	-	0.00108	NA	0.00108
NC Retail	\$ 0.003396	\$ 0.000514	\$ 0.00391	\$ 0.00001	\$ 0.00392	NA	\$ 0.00392

NC Rate Class	DSM/EE Experience Modification Factor (EMF)				DSM/EE EMF w/ Gross-up (12)	Uncollectibles Adjustment (13)	DSM/EE EMF Billing Rate (14)
	EE EMF Rate (8)	DSM EMF Rate (9)	DSM/EE EMF Rate (10)	Reg Fee (11)			
Residential	\$0.000040	\$0.000041	\$0.00008	\$0.00000	\$0.00008	NA	\$0.00008
General Service	0.000006	0.000006	0.00001	0.00000	0.00001	NA	0.00001
Lighting	-0.000053	0.000000	-0.00005	0.00000	-0.00005	NA	-0.00005
NC Retail	\$0.000026	\$0.000028	\$0.00005	\$0.00000	\$0.00005	NA	\$0.00005

Total Rate (DSM/EE Adjustment Rate and DSM/EE Experience Modification Factor)

NC Rate Class	DSM/EE Billing Rate (15) = (7)	DSM/EE EMF Billing Rate (16) = (14)	Total Billing Rate (17) = (15) + (16)
Residential	\$0.00396	\$0.00008	\$0.00404
General Service	\$0.00398	\$0.00001	\$0.00399
Lighting	\$0.00108	-\$0.00005	\$0.00103
NC Retail	\$0.00392	\$0.00005	\$0.00397

**NOTES: (Referenced by Column Number)**

- (1) Total EE Rate is derived in Evans Supplemental Exhibit No. 5, column (10).
- (2) Total DSM Rate is derived in Evans Supplemental Exhibit No. 6, column (9).
- (3) Total DSM/EE Rate is sum of columns (1) and (2) rounded to 5 decimal place billing precision.
- (4) Calculated Regulatory Fee at the rate of .13% on column (3) rounded to 5 decimal places.
- (5) Adjusted DSM/EE Rate w/Gross-up for Regulatory Fee is sum of columns (3) and (4).
- (6) Uncollectible adjustment factors are currently not applicable.
- (7) DSM/EE Billing Rate is the sum of columns (5) and (6) rounded to 5 decimal place billing precision.
- (8) Total EE EMF is derived in Evans Supplemental Exhibit No. 8, column (11).
- (9) Total DSM EMF is derived in Evans Supplemental Exhibit No. 9, column (10).
- (10) DSM/EE EMF Rate is derived from the sum of columns (8) and (9) rounded to 5 decimal place billing precision.
- (11) Calculated Regulatory Fee at the combined rate of .13% on column (10) rounded to 5 decimal places.
- (12) Adjusted DSM/EE EMF Rate w/Gross-up for Regulatory Fee is sum of columns (10) and (11).
- (13) Uncollectible adjustment factors are currently not applicable.
- (14) DSM/EE EMF is the sum of columns (12) and (13) rounded to 5 decimal place billing precision.



## DUKE ENERGY PROGRESS, INC.

### 2013 DSM/EE TRC Test Results

Program	Net (\$000's)	PV Benefits (\$000's)	PV Costs (\$000's)	TRC Ratio
CIG DR	1,257	1,293	36	35.9
EnergyWise	25,672	26,630	959	27.8
Res Home Advantage	1	99	99	1.0
Res Home Energy Improvem't	(655)	7,548	8,203	0.9
Residential Low Income	(1,117)	935	2,052	0.5
CIG Energy Efficiency	30,167	46,814	16,647	2.8
Lighting (Residential)	27,986	47,442	19,456	2.4
Lighting (General Service)	8,639	11,002	2,363	4.7
Res Appliance Recycling	1,499	2,797	1,298	2.2
Residential New Construction	(645)	2,121	2,766	0.8
Small Business Energy Saver	(1,833)	2,805	4,638	0.6
EE Benchmarking	372	964	592	1.6
Sum Of Above	91,341	150,449	59,108	2.5
A&G Expenses (System)	(2,662)	NA	2,662	NA
Sum With A&G	88,679	150,449	61,770	2.4

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**Duke Energy Progress, Inc.**

# **Demand Side Management and Energy Efficiency Programs**

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## **Filing Requirements**

**Pursuant to NCUC Rule R8-69**

**Docket No. E-2, Sub 1044**

**June 18, 2014**

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**Rule R8-69(b)(2) – Experienced over or under-recovery of cost prior to hearing**

**Rule R8-69 (b) Recovery of Costs** Upon the request of the electric public utility, the Commission shall also incorporate the experienced over-recovery or under-recovery of costs up to thirty (30) days prior to the date of the hearing in its determination of the DSM/EE EMF rider, provided that the reasonableness and prudence of these costs shall be subject to review in the utility's next annual DSM/EE rider hearing.

The Company anticipates that it will have actual results available from the end of its test period through July 31, 2014 within the timeline provided for by Commission Rule R-69(b)(2). The Company has incorporated its estimated costs for the period April 1, 2014 through July 31, 2014 in the following table. Actual results will be provided to the Commission at least 30 days prior to the date of its hearing in this matter. At that time, the actual amounts will be used in place of the following estimates.

Program / Measure	Recoverable Expenditures (North Carolina Retail)					Total Costs and Incentives
	O&M <sup>1</sup>	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	
<b>Demand-Side Management Programs</b>						
CIG DR	654,053					654,053
EnergyWise™	2,362,678					2,362,678
<b>Energy Efficiency Programs</b>						
DSDR Implementation <sup>2</sup>	1,703,478	3,422,800	2,764,766	1,463,194	-	9,354,238
Res Home Advantage	1,995				1,468	3,463
Res Home Energy Improve.	1,843,484				87,807	1,931,291
Residential Low Income-NES <sup>3</sup>	625,608				49,173	674,781
CIG Energy Efficiency	2,707,314				1,480,623	4,187,937
Solar Hot Water Heating Pilot <sup>4</sup>	-				-	0
Lighting (Residential) <sup>5</sup>	1,558,369				2,145,090	3,703,459
Lighting (General Service) <sup>5</sup>	189,269				855,362	1,044,631
Res Appliance Recycling	427,345				129,324	556,669
Res EE Benchmarking <sup>6</sup>	238,829					238,829
Small Business Energy Saver	2,136,761				100,711	2,237,472
Residential New Construction	1,959,360				0	1,959,360
CFL Pilot	-				-	-
Program Subtotals	16,408,543	3,422,800	2,764,766	1,463,194	4,849,560	28,908,863
A&G-General <sup>7</sup>						1,239,508
Return on Balances <sup>8</sup>						2,960,157
<b>Expenditure Totals</b>						<b>33,108,528</b>

DEP estimates that it will bill \$23,091,128 in non-EMF DSM/EE Rider related revenue from the end of the test period through July 31, 2014.

<sup>1</sup> The listed O&M expenses will be recovered through the DSM/EE Rider over a ten-year period except where otherwise indicated.

<sup>2</sup> The DSDR does not include Program Performance Incentives (PPI). As an event driven measure, net lost revenues are not forecasted for the DSDR program.

<sup>3</sup> The Residential Low Income Program does not include amounts for PPI.

<sup>4</sup> PPI and net lost revenues recoveries were not requested by the Company for its Residential Solar Hot Water Heating Pilot Program.

<sup>5</sup> O&M expenses for the Residential Lighting Program will be recovered through the DSM/EE Rider over a five-year period

<sup>6</sup> O&M expenses for the Residential EE Benchmark Program are not subject to deferral.

<sup>7</sup> A&G expenses will be recovered through the DSM/EE Rider over a three-year period.

<sup>8</sup> The Return on Balances reflects the sum of the North Carolina specific return calculated on the North Carolina deferral balance.

## **Rule R8-69(d)(2) – List of customers opting out of participation**

### **Rule R8-69. Cost recovery for demand-side management and energy efficiency measures of electric public utilities.**

#### **(d) Special Provisions for Industrial or Large Commercial Customers.**

- (2) At the time the electric public utility petitions for the annual rider, it shall provide the Commission with a list of those industrial or large commercial customers that have opted out of participation in the new demand-side management or energy efficiency measures. The electric public utility shall also provide the Commission with a listing of industrial or large commercial customers that have elected to participate in new measures after having initially notified the electric public utility that it declined to participate.

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Please refer to Appendix A which provides a listing of industrial and large commercial customers, as of March 31, 2014, that have opted out of participation in DEP's new demand-side management or energy efficiency measures. Attached Appendix B provides a listing of industrial and large commercial customers that have elected to participate in new measures after having initially notified the electric public utility that it declined to participate.

**Rule R8-69(f)(1)(i) - Projected NC retail sales for the rate period****Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
- (i) Projected North Carolina retail monthly kWh sales for the rate period.

The Company's projected North Carolina retail monthly kWh sales for the rate period, December 1, 2014 through November 30, 2015, are provided in the following table:

**Projected North Carolina Retail Monthly kWh Sales**

Month	Estimated kWh
Dec-14	3,315,210,480
Jan-15	3,371,283,698
Feb-15	2,914,134,802
Mar-15	2,839,961,309
Apr-15	2,633,593,241
May-15	2,798,283,761
Jun-15	3,214,219,909
Jul-15	3,514,420,677
Aug-15	3,516,402,401
Sep-15	2,886,033,909
Oct-15	2,740,679,064
Nov-15	2,684,812,889
Total	36,429,036,140

**Rule R8-69(f)(1)(ii)a - Total expenses expected to be incurred during the rate period**

**Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (ii) For each measure for which cost recovery is requested through the DSM/EE rider:
    - a. total expenses expected to be incurred during the rate period in the aggregate and broken down by type of expenditure, per appropriate capacity, energy and measure unit metric and the proposed jurisdictional allocation factors

For purposes of cost recovery through the DSM/EE rider, the Company's expected expenses for the rate period, December 1, 2014 through November 30, 2015, have been broken down by type of expenditure and provided in the following table:

Program / Measure	Recoverable Expenditures (System Retail)					Total Costs and Incentives
	O&M <sup>1</sup>	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	
<b>Demand-Side Management Programs</b>						
CIG DR	1,909,149				149,373	2,058,522
EnergyWiseTM	10,019,149				2,822,983	12,842,132
<b>Energy Efficiency Programs</b>						
DSDR Implementation <sup>2</sup>	6,084,865	12,000,000	9,196,055	4,905,191	0	32,186,111
Res Home Advantage	7,187				211,339	218,526
Res Home Energy Improve.	6,174,596				855,604	7,030,200
Residential Low Income-NES <sup>3</sup>	2,264,899				289,323	2,554,222
CIG Energy Efficiency	9,848,076				12,686,107	22,534,184
Solar Hot Water Heating Pilot <sup>4</sup>	0				0	0
Lighting (Residential) <sup>5</sup>	5,922,514				13,165,407	19,087,921
Lighting (General Service) <sup>5</sup>	719,309				4,852,889	5,572,198
Res Appliance Recycling	1,541,641				889,031	2,430,672
Residential EE Benchmark <sup>6</sup>	0				247,571	247,571
Small Business Energy Saver	7,580,857				650,911	8,231,767
Residential New Construction	7,745,273				711,303	8,456,575
CFL Pilot	-					-
<b>Program Subtotals</b>	<b>59,817,515</b>	<b>12,000,000</b>	<b>9,196,055</b>	<b>4,905,191</b>	<b>37,531,840</b>	<b>123,450,601</b>
Administrative and General						4,427,304
Return on Balances <sup>7</sup>						13,260,996
<b>Expenditure Totals</b>						<b>141,138,901</b>

<sup>1</sup> The listed O&M expenses will be recovered through the DSM/EE Rider over a ten-year period except where otherwise indicated.

<sup>2</sup> The DSDR does not include Program Performance Incentives (PPI). As an event driven measure, net lost revenues are not forecasted for the DSDR program.

<sup>3</sup> The Residential Low Income Program does not include amounts for PPI.

<sup>4</sup> PPI and net lost revenue recoveries were not requested by the Company for its Residential Solar Hot Water Heating Pilot Program.

<sup>5</sup> O&M expenses for the Residential Lighting Program will be recovered through the DSM/EE Rider over a five-year period

<sup>6</sup> O&M expenses for the Residential EE Benchmark Program are realized as they are incurred.

<sup>7</sup> The Return on Balances amount, on a system basis, reflects the sum of the North Carolina specific return calculated on the North Carolina deferral balance and the South Carolina specific return on the South Carolina deferral balance.

**Rule R8-69(f)(1)(ii)a - Continued**

The following table provides the program costs, excluding Program Performance Incentives and the recovery of net lost revenues, per appropriate capacity, energy and measure unit metric, over the various program lives. It is important to note that unitized costs will vary from year to year and should be viewed over program lives. Program cost estimates over the life of the program were supplied with the Company's original program applications.

Program / Measure	System Costs	Measure Lives	DSM Costs / (MW x Years)	EE Costs / (MWH x Years)
<b>Demand-Side Management Programs (Calculated on EOY 2014 MW Capabilities - at the meter)</b>				
CIG DR	1,909,149	30-yrs	\$12,728	NA
EnergyWise™	10,019,149	30-yrs	\$12,470	NA
DSDR Implementation	32,186,111	30-yrs	\$26,131	NA
<b>Energy Efficiency Programs (Calculated Using Rate Period MWH Savings - at the meter)</b>				
Res Home Advantage	7,187	20-yrs	NA	NA
Res Home Energy Improvement	6,174,596	15-yrs	NA	\$133
Residential Low Income	2,264,899	10-yrs	NA	\$112
CIG Energy Efficiency	9,848,076	10-yrs	NA	\$14
Lighting (Residential)	5,922,514	7-yrs	NA	\$16
Lighting (General Service)	719,309	3-yrs	NA	\$9
Res Appliance Recycling	1,541,641	10-yrs	NA	\$29
Residential EE Benchmarking	0	1-yr	NA	NA
Small Business Direct Install	7,580,857	10-yrs	NA	\$129
Residential New Construction	7,745,273	20-yrs	NA	\$66



**Rule R8-69(f)(1)(ii)a - Continued**

For purposes of cost recovery through the North Carolina DSM/EE rider, the Company's expected expenses for the rate period, December 1, 2014 through November 30, 2015, have been broken down for North Carolina jurisdictional retail customers by type of expenditure and provided in the following table:

Program / Measure	Recoverable Expenditures (North Carolina Retail)					Total Costs and Incentives
	O&M <sup>1</sup>	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	
<b>Demand-Side Management Programs</b>						
CIG DR	1,635,759				127,983	1,763,742
EnergyWise™	8,584,407				2,418,732	11,003,139
<b>Energy Efficiency Programs</b>						
DSDR Implementation <sup>2</sup>	5,206,819	10,268,400	7,869,064	4,197,372		27,541,655
Res Home Advantage	6,150				180,842	186,992
Res Home Energy Improve.	5,283,602				732,140	6,015,742
Residential Low Income-NES <sup>3</sup>	1,938,074				247,574	2,185,648
CIG Energy Efficiency	8,426,999				10,855,502	19,282,501
Solar Hot Water Heating Pilot <sup>4</sup>	0					0
Lighting (Residential) <sup>5</sup>	5,067,895				11,265,639	16,333,534
Lighting (General Service) <sup>5</sup>	615,513				4,152,617	4,768,130
Res Appliance Recycling	1,319,182				760,744	2,079,926
Residential EE Benchmark <sup>6</sup>	0				211,846	211,846
Small Business Energy Saver	6,486,939				556,984	7,043,923
Residential New Construction	6,627,630				608,662	7,236,292
CFL Pilot	-				-	-
<b>Program Subtotals</b>	<b>51,198,969</b>	<b>10,268,400</b>	<b>7,869,064</b>	<b>4,197,372</b>	<b>32,119,265</b>	<b>105,653,070</b>
Administrative and General						3,788,444
Return on Balances <sup>7</sup>						11,347,434
<b>Expenditure Totals</b>						<b>120,788,948</b>

The Company's proposed jurisdictional allocation factors for the rate period, December 1, 2014 through November 30, 2015, are provided in attached Appendix C.

<sup>1</sup> The listed O&M expenses will be recovered through the DSM/EE Rider over a ten-year period except where otherwise indicated.

<sup>2</sup> The DSDR does not include Program Performance Incentives (PPI). As an event driven measure, net lost revenues are not forecasted for the DSDR program..

<sup>3</sup> The Residential Low Income Program does not include amounts for PPI.

<sup>4</sup> PPI and net lost revenue recoveries were not requested by the Company for its Residential Solar Hot Water Heating Pilot Program.

<sup>5</sup> O&M expenses for the Residential Lighting Program will be recovered through the DSM/EE Rider over a five-year period

<sup>6</sup> O&M expenses for the Residential EE Benchmark Program are realized as they are incurred.

<sup>7</sup> The Return on Balances amount, on a system basis, reflects the sum of the North Carolina specific return calculated on the North Carolina deferral balance.

## **Rule R8-69(f)(1)(ii)c - Measurement and verification activities for rate period**

### **Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (ii) For each measure for which cost recovery is requested through the DSM/EE rider:
    - c. a description of the measurement and verification activities to be conducted during the rate period, including their estimated costs;

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

### **Demand Side Management Portfolio**

#### ***DSDR***

A critical component of the DSDR program is the Distribution Management System ("DMS"). The DMS has been placed into service and will be used to determine DSDR program energy savings (MWh) and demand reduction (MW) in real time.

Evaluation, Measurement and Verification ("EM&V") activities related to the DSDR program will focus on measuring the peak load reduction impact observed at DEP's Energy Control Center and Distribution Control Center, using data from the DMS. DEP is developing a customized EM&V protocol specifically for the DSDR program to be implemented to efficiently and effectively gauge its performance. EM&V activities will employ the customized EM&V protocol and utilize the DMS impact reports.

This data analysis will not be performed by a third party; therefore there will be no third-party incremental costs expended to perform anticipated measurement and verification activities during the rate period.

#### ***EnergyWise<sup>SM</sup>***

DEP will contract with an independent, third-party evaluation consultant to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the demand impacts of the EnergyWise<sup>TM</sup> program.

The third-party evaluation consultant performs yearly program evaluations for DEP's EnergyWise<sup>TM</sup> program including all relevant impact and process evaluation services required to support continued program planning and implementation, system resource planning and forecasting, and regulatory filings.

EM&V services to be performed through November 2015 include:

- Collect program data

## Rule R8-69(f)(1)(ii)c - Continued

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

The total estimate budget for EnergyWise™ M&V activities for the rate period is \$160,000.

### ***CIG Demand Response Program***

DEP will contract with an independent, third-party evaluation consultant to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the demand impacts of the CIG Demand Response program.

The third party evaluation vendor performs yearly program evaluations for DEP's CIG Demand Response program, including all relevant impact and process evaluation services required to support program planning and implementation, system resource planning and forecasting, and regulatory filings.

EM&V services to be performed through November 2015 include:

- Process evaluation interviews
- Verify operability and performance through on-site visits
- Collect interval data
- Market research for DR benchmarking study
- Program database review
- Impact data analysis
- Reporting

The total estimated budget for CIG Demand Response M&V activities for the rate period is \$80,000.

### **Energy Efficiency Portfolio**

DEP will contract with independent, third-party evaluation consultants to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the demand and energy impacts of the energy efficiency portfolio.

## Rule R8-69(f)(1)(ii)c - Continued

Program evaluations for DEP's energy efficiency portfolio include all relevant impact and process evaluation services required to support program planning and implementation, system resource planning and forecasting, and regulatory filings.

EM&V services to be performed through November 2015 for all energy efficiency portfolio programs include:

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

Rate period estimated budget for EE portfolio EM&V activities is summarized in the following table

Program	Rate Period Budget
Neighborhood Energy Saver	\$92,000
Residential Lighting	\$153,000
Appliance Recycling	\$112,000
Home Energy Improvement	\$245,000
Energy Efficiency for Business	\$280,000
Small Business Energy Saver	\$105,500
Residential New Construction	\$331,000
Residential Energy Efficient Benchmarking	\$55,000

**Rule R8-69(f)(1)(ii)d - Expected summer and winter peak demand reductions****Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
- (ii) For each measure for which cost recovery is requested through the DSM/EE rider:
- d. total expected summer and winter peak demand reduction per appropriate capacity, energy, and measure unit metric and in the aggregate;

The following tables provide estimated summer and winter peak demand reductions, at the meter, for the measures in which the Company is seeking cost recovery. The reductions are provided by measure and in aggregate.

Anticipated Summer Capacity Reductions (MW)

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	5.0	26.8	41.1	0.0	2.9	0.2	7.7	5.0	0.5	N/A	18.2	0.0	1.4	2.3	111.1
2015	5.0	21.9	(3.6)	0.0	2.9	0.2	6.5	4.3	0.4	N/A	19.6	0.0	1.5	3.3	62.1
2016	4.5	20.1	6.7	0.0	2.9	0.2	6.5	4.2	0.4	N/A	21.2	0.0	1.6	4.2	72.6
2017	4.5	18.1	6.6	0.0	2.9	0.2	6.5	4.2	0.4	N/A	22.9	0.0	1.6	4.2	72.2

Anticipated Winter Capacity Reductions (MW)

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	2.3	1.5	TBD	0.0	2.2	0.4	2.6	4.3	0.4	N/A	15.4	0.0	0.6	2.6	32.1
2015	2.3	1.5	TBD	0.0	2.2	0.4	2.2	3.6	0.3	N/A	16.6	0.0	0.6	3.7	33.3
2016	2.0	1.5	TBD	0.0	2.2	0.4	2.2	3.6	0.3	N/A	17.9	0.0	0.6	4.6	35.4
2017	2.0	1.5	TBD	0.0	2.2	0.4	2.2	3.6	0.3	N/A	19.4	0.0	0.6	4.6	36.9

## Rule R8-69(f)(1)(ii)e - Expected energy reductions

### Rule R8-69 (f) Filing Requirements and Procedure.

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (ii) For each measure for which cost recovery is requested through the DSM/EE rider:
    - e. total expected energy reduction in the aggregate and per appropriate measure unit metric

The following table provides estimated energy reductions, at the meter, for the measures in which the Company is seeking cost recovery. The reductions are provided both by measure and in aggregate.

Anticipated Energy Reductions (MWH)

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	N/A	N/A	(121)	0	3,087	2,020	53,651	25,471	5,264	N/A	70,469	0	5,868	5,885	171,595
2015	N/A	N/A	24,831	0	3,110	2,020	45,337	21,509	4,212	NA	76,107	0	6,382	9,131	192,638
2016	N/A	N/A	1,180	0	3,119	2,020	45,048	21,311	4,212	NA	82,196	0	6,518	11,625	177,227
2017	N/A	N/A	1,146	0	3,127	2,020	45,342	21,366	4,212	NA	88,771	0	6,680	11,625	184,290

**Rule R8-69(f)(1)(iii)a - Actual test period costs****Rule R8-69 (f) Filing Requirements and Procedure.**

(1) Each electric public utility shall submit to the Commission all of the following information and data in its application:

(iii) For each measure for which cost recovery is requested through the DSM/EE EMF rider:

- a. total expenses for the test period in the aggregate and broken down by type of expenditure per appropriate capacity, energy and measure unit metric and the proposed jurisdictional allocation factors

For purposes of cost recovery through the DSM/EE rider, the Company's actual expenditures for the test period, April 1, 2013 through March 31, 2014, have been broken down by type of expenditure and are provided in the following table:

Program / Measure	Recoverable Expenditures (System Retail)					Total Costs and Incentives
	O&M <sup>1</sup>	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	
<b>Demand-Side Management Programs</b>						
CIG DR	1,507,033				126,415	1,633,447
EnergyWise™	9,875,406				2,569,542	12,444,948
<b>Energy Efficiency Programs</b>						
DSDR Implementation <sup>2</sup>	7,320,230	11,537,561	10,211,535	5,432,811	0	34,502,137
Res Home Advantage	5,758				219,361	225,119
Res Home Energy Improve.	5,025,767				610,933	5,636,700
Residential Low Income-NES <sup>3</sup>	1,891,440				98,518	1,989,958
CIG Energy Efficiency	7,971,327				5,937,552	13,908,879
Solar Hot Water Heating Pilot <sup>4</sup>	0				0	0
Lighting(Residential) <sup>5</sup>	11,013,260				8,008,622	19,021,883
Lighting(General Service) <sup>5</sup>	1,337,598				2,859,400	4,196,998
Res Appliance Recycling	1,347,116				289,225	1,636,341
Residential EE Benchmark <sup>6</sup>	433,390				790,473	1,223,863
Small Business Energy Saver	4,469,358				153,474	4,622,832
Residential New Construction	2,904,576				65,664	2,970,240
CFL Pilot	0				0	
<b>Program Subtotals</b>	<b>55,102,260</b>	<b>11,537,561</b>	<b>10,211,535</b>	<b>5,432,811</b>	<b>21,729,178</b>	<b>104,013,345</b>
Administrative and General						2,991,162
Return on Balances <sup>7</sup>						9,370,485
<b>Expenditure Totals</b>						<b>116,374,992</b>

<sup>1</sup> The listed O&M expenses will be recovered through the DSM/EE Rider over a ten-year period except where otherwise indicated.

<sup>2</sup> The DSDR does not include Program Performance Incentives (PPI). Net lost revenues were not realized during this period.

<sup>3</sup> The Residential Low Income Program does not include amounts for PPI.

<sup>4</sup> PPI and net lost revenue recoveries were not requested by the Company for its Residential Solar Hot Water Heating Pilot Program.

<sup>5</sup> O&M expenses for the Residential Lighting Program will be recovered through the DSM/EE Rider over a five-year period.

<sup>6</sup> O&M expenses for the Residential EE Benchmark Program are realized as they are incurred.

<sup>7</sup> The Return on Balances amount, on a system basis, reflects the sum of the North Carolina specific return calculated on the North Carolina deferral balance and the South Carolina specific return on the South Carolina deferral balance.

**Rule R8-69(f)(1)(iii)a – Continued**

For purposes of cost recovery through the North Carolina DSM/EE rider, the Company's actual expenses for the test period, April 1, 2013 through March 31, 2014, have been broken down for North Carolina jurisdictional retail customers by type of expenditure and are provided in the following table:

Program / Measure	Recoverable Expenditures (North Carolina Retail)					Total Costs and Incentives
	O&M <sup>1</sup>	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	
<b>Demand-Side Management Programs</b>						
CIG DR	1,303,332				109,328	1,412,660
EnergyWise™	8,540,580				2,222,225	10,762,805
<b>Energy Efficiency Programs</b>						
DSDR Implementation <sup>2</sup>	6,298,936	9,927,879	8,786,856	4,674,843		29,688,514
Res Home Advantage	4,955				188,757	193,712
Res Home Energy Improve.	4,324,589				525,697	4,850,286
Residential Low Income-NES <sup>3</sup>	1,627,553				84,773	1,712,326
CIG Energy Efficiency	6,859,194				5,109,165	11,968,359
Solar Hot Water Heating Pilot <sup>4</sup>						0
Lighting(Residential) <sup>5</sup>	9,476,727				6,891,286	16,368,013
Lighting(General Service) <sup>5</sup>	1,150,981				2,460,466	3,611,447
Res Appliance Recycling	1,159,171				248,873	1,408,044
Residential EE Benchmark <sup>6</sup>	372,925				680,189	1,053,114
Small Business Energy Saver	3,845,808				132,062	3,977,870
Residential New Construction	2,499,339				56,503	2,555,842
CFL Pilot						-
<b>Program Subtotals</b>	<b>47,464,090</b>	<b>9,927,879</b>	<b>8,786,856</b>	<b>4,674,843</b>	<b>18,709,323</b>	<b>89,562,991</b>
Administrative and General						2,573,845
Return on Balances <sup>7</sup>						8,063,146
<b>Expenditure Totals</b>						<b>100,199,982</b>

<sup>1</sup> The listed O&M expenses will be recovered through the DSM/EE Rider over a ten-year period except where otherwise indicated.

<sup>2</sup> The DSDR does not include Program Performance Incentives (PPI). Net lost revenues were not realized during this period.

<sup>3</sup> The Residential Low Income Program does not include amounts for PPI.

<sup>4</sup> PPI and net lost revenue recoveries were not requested by the Company for its Residential Solar Hot Water Heating Pilot Program.

<sup>5</sup> O&M expenses for the Residential Lighting Program will be recovered through the DSM/EE Rider over a five-year period.

<sup>6</sup> O&M expenses for the Residential EE Benchmark Program are realized as they are incurred.

<sup>7</sup> The Return on Balances amount, on a system basis, reflects the sum of the North Carolina specific return calculated on the North Carolina deferral balance.



**Rule R8-69(f)(1)(iii)a - Continued**

The following table provides the program costs, excluding Program Performance Incentives and the recovery of net lost revenues, per appropriate capacity, energy and measure unit metric, over the various program lives. It is important to note that unitized costs will vary from year to year and should be viewed over program lives. Program cost estimates over the life of the program were supplied with the Company's original program applications.

Program / Measure	System Costs	Measure Lives	DSM Costs / (MW x Years)	EE Costs / (MWH x Years)
<b>Demand-Side Management Programs (Calculated on EOY 2013 MW Capabilities - at the meter)</b>				
CIG DR	1,507,033	30-yrs	\$36,694	NA
EnergyWise™	9,875,406	30-yrs	\$11,790	NA
DSDR Implementation	34,502,137	30-yrs	\$12,931	NA
<b>Energy Efficiency Programs (Calculated Using Test Period MWH Savings - at the meter)</b>				
Res Home Advantage	5,758	20-yrs	NA	\$3
Res Home Energy Improvement	5,025,767	15-yrs	NA	\$85
Residential Low Income	1,891,440	10-yrs	NA	\$95
CIG Energy Efficiency	7,971,327	10-yrs	NA	\$12
Lighting (Residential)	11,013,260	7-yrs	NA	\$15
Lighting (General Service)	1,337,598	3-yrs	NA	\$4
Res Appliance Recycling	1,347,116	10-yrs	NA	\$25
Residential EE Benchmarking	433,390	1-yr	NA	\$38
Small Business Direct Install	4,469,358	10-yrs	NA	\$101
Residential New Construction	2,904,576	20-yrs	NA	\$121

The Company's proposed jurisdictional allocation factors for the test period, April 1, 2013 through March 31, 2014, are provided in attached Appendix C.

## Rule R8-69(f)(1)(iii)c - Measurement and verification activities for test period

### Rule R8-69 (f) Filing Requirements and Procedure.

(1) Each electric public utility shall submit to the Commission all of the following information and data in its application:

- (iii) For each measure for which cost recovery is requested through the DSM/EE EMF rider:
- c. a description of, the results of, and the costs of all measurement and verification activities conducted in the test period;

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## Demand Side Management Portfolio

### *DSDR*

As DSDR was considered in “testing mode” throughout the test period, there were no EM&V activities other than baseline data collection.

### *EnergyWise<sup>SM</sup>*

DEP contracted with an independent, third-party evaluation consultant to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the demand impacts of the EnergyWise<sup>TM</sup> program.

The evaluation for DEP’s EnergyWise<sup>TM</sup> program includes all relevant impact and process evaluation services required to support continued program planning and implementation, system resource planning and forecasting, and regulatory filings.

EM&V services performed through March 2014 include:

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

EnergyWise<sup>SM</sup> EM&V results for Summer 2013 and Winter 2012-2013 are contained in the EnergyWise<sup>SM</sup> EM&V report dated December 4, 2013.

Total actual and estimated cost of EnergyWise<sup>TM</sup> EM&V activities for the test period through March 2014 are \$166,988.

## Rule R8-69(f)(1)(iii)c - Continued

### ***CIG Demand Response Automation Program***

DEP contracted with an independent, third-party evaluation consultant to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the demand impacts of the CIG Demand Response program.

The evaluation for DEP's CIG Demand Response program includes all relevant impact and process evaluation services required to support program planning and implementation, system resource planning and forecasting, and regulatory filings.

EM&V services performed through March 2014 include:

- Process evaluation interviews
- Verify operability and performance through on-site visits
- Collect interval data
- Market research for DR benchmarking study
- Program database review
- Data analysis
- Reporting

EM&V results for the program year 2012 are contained in the Demand Response Automation Program EM&V report dated June 25, 2013 filed with the Commission on July 17, 2013 in Docket No. E-2, Sub 953.

Total actual and estimated cost of CIG Demand Response EM&V activities for the test period through March 2014 are \$66,979.

### **Energy Efficiency Portfolio**

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

The evaluation for DEP's energy efficiency portfolio includes all relevant impact and process evaluation services required to support program planning and implementation, system resource planning and forecasting, and regulatory filings.

EM&V services performed through March 2014 include:

- Process evaluation interviews
- Verify measure installation and performance through on-site visits

## Rule R8-69(f)(1)(iii)c - Continued

- Collect program data
- Program database review
- Data analysis
- Reporting

Test period actual and budgeted costs through March 2014 for EE portfolio EM&V activities is summarized in the following table:

Energy Efficiency Program	Test Period Actual and Budget
Neighborhood Energy Saver	\$157,642
Residential Lighting	\$244,051
Appliance Recycling	\$84,858
Home Advantage	\$6,127
Home Energy Improvement	\$239,249
Energy Efficiency for Business	\$480,586
Residential Energy Efficient Benchmarking	\$53,917
Small Business Energy Saver	\$35,869
Residential New Construction	\$122,916

### ***Neighborhood Energy Saver Program***

EM&V services performed through March 2014 include:

- The collection of program data
- Process evaluation interviews
- Verify measure through on-site visits
- Program database review
- Data analysis
- Reporting

EM&V results for the program year 2011 are contained in the Neighborhood Energy Saver Program EM&V report dated January 28, 2013 filed on January 31, 2013 in Docket No. E-2, Sub 952. EM&V results for program year 2012 are contained in the Neighborhood Energy Saver Program EM&V report dated January 22, 2014 filed on February 5, 2014 in Docket No. E-2, Sub 952.

### ***Lighting Program***

EM&V services performed through March 2014 include:

- The collection of program data
- Process evaluation interviews
- Determination of non-residential participation

## **Rule R8-69(f)(1)(iii)c - Continued**

- Verify measure through on-site visits
- Program database review
- Data analysis
- Reporting

EM&V results for the program year 2012 are contained in the Lighting Program EM&V report dated July 15, 2013 filed on July 16, 2013 in Docket No. E-2, Sub 950.

### ***Appliance Recycling Program***

EM&V services performed through March 2014 include:

- The collection of program data
- Process evaluation interviews
- Verify measure through on-site visits
- Program database review
- Data analysis
- Reporting

EM&V results for the program year 2011 are contained in the Appliance Recycling Program EM&V report dated January 29, 2013 filed on February 1, 2013 in Docket E-2, Sub 970. EM&V results for the program year 2012 is contained in the Appliance Recycling Program EM&V report dated January 15, 2014 filed on January 23, 2014 in Docket E-2, Sub 970.

### ***Home Advantage Program***

EM&V services performed through March 2014 include:

- The collection of program data
- Process evaluation interviews
- Verify measure through on-site visits
- Program database review
- Data analysis
- Reporting

EM&V results for the program years 2012 and 2013 are contained in the Home Advantage Program EM&V report dated December 16, 2013 filed with the Commission on January 20, 2014 in Docket No. E-2, Sub 928.

## **Rule R8-69(f)(1)(iii)c - Continued**

### ***Home Energy Improvement Program***

EM&V services performed through March 2014 include:

- The collection of program data
- Process evaluation interviews
- Verify measure through on-site visits
- Program database review
- Data analysis
- Reporting

EM&V results for the program year 2012 are contained in the Home Energy Improvement Program EM&V report dated December 12, 2013 filed on December 19, 2013 in Docket No. E-2, Sub 936.

### ***Energy Efficiency for Business Program***

EM&V services performed through March 2014 include:

- The collection of program data
- Process evaluation interviews
- Verify measure through on-site visits
- Program database review
- Data analysis
- Reporting

EM&V results for program year 2012 are contained in the Energy Efficiency for Business Program EM&V report dated September 27, 2013 filed on October 10, 2013 in Docket E-2, Sub 938.

### ***Residential Energy Efficient Benchmarking Program***

EM&V services performed through March 2014 include:

- The collection of program data
- Process evaluation interviews
- Verify measure through on-site visits
- Program database review
- Data analysis
- Reporting

EM&V results for the 2012-2013 program period are contained in the Residential Energy Efficient Benchmarking Program EM&V report dated January 27, 2014 filed with the Commission on February 5, 2014 in Docket No. E-2, Sub 989.

### **Rule R8-69(f)(1)(iii)d - Test period summer and winter peak demand reductions**

#### **Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (iii) For each measure for which cost recovery is requested through the DSM/EE EMF rider:
    - d. total summer and winter peak demand reduction in the aggregate and per appropriate measure unit metric and, as well as any changes in estimated future amounts since last filed with the Commission;

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The information associated with this section has been supplied as a part of response to Rule R8-69(f) (1) (iii) h.

## Rule R8-69(f)(1)(iii)e - Test period energy reductions

### Rule R8-69 (f) Filing Requirements and Procedure.

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
    - (iii) For each measure for which cost recovery is requested through the DSM/EE EMF rider:
      - e. total energy reduction in the aggregate and per appropriate measure unit metric, as well as any changes in the estimated future amounts since last filed with the Commission;
- 

The information associated with this section has been supplied as a part of response to Rule R8-69(f) (1) (iii) h and within attached Appendix D.



## **Rule R8-69(f)(1)(iii)f - Test period findings and results of measures**

### **Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (iii) For each measure for which cost recovery is requested through the DSM/EE EMF rider:
    - f. a discussion of the findings and the results of the program or measure;

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### **Neighborhood Energy Saver**

The Neighborhood Energy Saver (NES) Program was launched in October 2009 to provide information and energy conservation measures to encourage and reduce energy consumption and costs in low-income homes. A comprehensive package of energy conservation measures is installed in the homes of low-income families to assist them in reducing their overall energy use and household energy costs. The Program has served 14,809 participants from its inception through December 2012. The program has experienced greater than expected program participation with over 85% of the eligible residents choosing to participate and receive the services.

Participation success can be attributed to the efforts made in advance to disseminate information about the program to residents, working with the local community leaders and advocacy groups, and the work of the installer teams to ensure every resident's home has been contacted.

A challenge of the program is the timely preparation of the next neighborhood so that the installation team can move from one neighborhood to the next without 'downtime'. However, the Program has been successful meeting the manpower needs with minimal interruption.

### **Home Advantage Program**

The Home Advantage Program was launched in January 2009 to encourage home builders and residential developers to build to ENERGY STAR standards. While participation was nominal in 2009 partially as a result of the recession and the distressed housing industry, participation levels rebounded in 2010. Through year end 2011, 4,641 homes have been built to Home Advantage standards, capturing approximately 70% of the Energy Star Homes built to date.

With the increase in Energy Star standards starting 2012, the program is no longer cost effective. As a result, the program will only accept rebate applications for homes that were permitted before March 1, 2012 and completed by February 28, 2013. A new program, Residential New Construction, was filed and approved in its place (see below).

## **Provision (h)(1)(ii)k – *Continued***

### **Lighting Program**

The Lighting Program launched in January of 2010 and expanded to offer additional measures in January 2013 (now called Energy Efficient Lighting Program). This program works through lighting manufacturers and retailers to offer discounts to DEP customers at the register on CFLs, LEDs, and energy-efficient fixtures. Participation levels (CFLs) for the first three years of the program were higher than originally forecasted. This success can be attributed to high customer interest in energy efficiency, low socket penetration of CFLs in the DEP territory and effective promotion of the program in the marketplace.

As a result of the initial EM&V analysis, DEP was able to determine the extent of non-residential participation in this program. This determination allowed DEP to quantify two impacts. The first of these was the recognition of greater hours of use in the non-residential market which impacted program savings. The second of these impacts, due greater hours of use in the non-residential market, was a corresponding lessening of the expected bulb life.

As the program moves into the fourth year, the DEP Energy Efficient Lighting Program will encourage customers to adopt energy efficient lighting through incentives on a wide range of products, including CFLs, LEDs and fixtures. Customer education is imperative to ensure customers are purchasing the right bulb for the application in order to obtain high satisfaction with lighting products.

### **Appliance Recycling Program**

The Appliance Recycling Program was launched in mid-April of 2010. The program has met its goal for the past two years surpassing 22,600 appliances recycled program to date. Overall program success can be attributed to higher customer interest in energy efficiency, DEP's rebates, and customer acceptance and appreciation of the recycling benefits of the program for the environment. Since this is a retirement program, a challenge is reaching and encouraging those customers with second refrigerators / freezers to recycle them. It is also recognized that the lifestyle and habits of DEP customers are likely having a negative impact on program participation due to the longstanding tradition of having a secondary refrigerator for cold storage of food and beverages.

## **Provision (h)(1)(ii)k – Continued**

### **Home Energy Improvement Program**

The Home Energy Improvement Program was launched in July of 2009. The purpose of this program is to offer customers, with existing homes, a variety of energy conservation measures designed to increase energy efficiency in existing residential dwellings.

The program utilizes a network of over 676 prequalified contractors from a list provided by Company to install energy efficiency measures. Program to date, 90,200 rebates have been processed. The overall program success can be attributed to higher customer interest in energy efficiency, customers capitalizing on the 2010 and 2011 federal tax credits in conjunction with DEP's rebates, and promotion of the program by contractor acceptance.

In 2012 HEIP made modifications to measure incentives, removing measure Level I Tune-Ups, Duct Testing and Windows as a result of third party EM&V and legislation. Additional measures added to the portfolio were Energy Star room air conditioners and heat pump water heaters. Promotion of the program includes consumer and contractor program flyers, direct mail, bill inserts, email blasts, trade shows to consumers, contractors and contractor collateral to support the contractor network. The current economy will likely have a negative impact on program participation due to less disposable income. The federal tax credit incentive was reinstated for 2012 and 2013 at reduced levels compared to previous years, which makes it harder to justify energy efficiency improvements with longer term paybacks.

### **Residential New Construction**

The RNC program was approved in October 2012 and launched in January 2013. Since this is a new program just launched, detailed participation is not available. The program is designed to provide incentives to builders who 1) install energy efficient HVAC / water heating equipment or 2) build their homes to higher standards than code. The incentives for homes built to higher standards are based on documented Home Energy Raters (HERS) scores.

### **Energy Efficiency for Business (EEB) Program**

The Energy Efficiency for Business (EEB) program promotes energy efficient construction and retrofit in Progress Energy's commercial, industrial, and governmental markets. During its fourth full year of operation, the program continues to exceed expectations and savings targets. The poor economy that had dampened customer interest in new building construction since program inception has waned spurring customer applications for new construction incentives and for technical assistance dollars, including large customers. While large customer interest has declined overall, the program continues to be sustained by strong participation from small and mid-sized commercial customers, especially from the retrofit portion of the program. Lighting continues to be the primary program impact driver for the program with customers trying to get T12 fluorescent fixtures retrofitted or replaced. Customer feedback continued to tout EEB's technical assistance incentives as a key enabler to implement efficiency projects. The vast majority of customers who have applied for technical assistance have subsequently implemented energy efficiency projects.

## Provision (h)(1)(ii)k – *Continued*

Additional MWh savings in 2012 can be attributed to greater customer knowledge of EEB, and the maturation of the program's trade ally network. Despite these positive developments, DEP has decreased its projected EEB MWh savings contribution going forward from 2013. This is based on expectations of a continued negative impact on large customer participation due to the rising DSM/EE rider and the addition of a small business direct install program. Retrofit projects with large customers in the EEB program has continued to decrease due to anticipated increases in the DSM/EE Rider. During program development, there was considerable uncertainty regarding how the rider may affect program participation over time. After three full years of program performance, DEP now has a better sense of the negative impact an increasing rider poses to EEB program.

### **Residential Load Control Program (EnergyWise<sup>SM</sup>)**

The summer program (air conditioning load control), which is available to eligible customers system-wide, has experienced a participation level for the test period that has been right at or slightly above the Company's expectations. Response rates to the direct mail campaign has averaged 1.2% for the test period. The primary form of enrollment continues to be through business reply cards, which has constituted 75% of all enrollments. The remainder of enrollments has been through inbound telephone calls at 15% and online web enrollments at 10%. The summer program was activated five times during the test period in response to system reliability alerts under General Load Reduction Plan (GLRP) and system testing.

The winter program (load control of water heating and auxiliary heat strips on central electric heat pumps) is available to DEP's Western region customers only. The program's participation levels for the test period have been below the Company's expectations. Response rate to the direct mail campaign has been fair to poor at 0.6%. Acquiring these loads even after enrollment has been a challenge since the load control switch installation requires a customer appointment to enter the home. Of all customers enrolling via the direct mail business reply card (BRC), approximately 20% either did not respond to outbound telephone calls to schedule an appointment, rescheduled multiple times, or cancelled an appointment all together. Enrollment to acquisition rate has also been diluted by a higher than expected percentage of customer equipment being in poor condition and/or in need of repair and customers who are unaware of their energy source for water and space heating. While auxiliary heat strip control was not activated during the test period, water heaters were controlled on two occasions.

## Provision (h)(1)(ii)k – *Continued*

### **CIG DR (Demand Response Automation)**

Participation in the Demand Response Automation program has been below the Company's expectations. 2 customers at 8 customer sites were enrolled in the program during the test period, accounting for approximately 2.3 MW of new contracted curtailable demand bringing the total program to approximately 15.8 MW. 79% of the contracted curtailable demand in the program thus far has been from opt-out eligible customers. The program was activated three times during the test period in response to minimum event requirements of the program tariff and system reliability alerts under the DEP General Load Reduction Plan (GLRP).

The opt-out clause, (and the associated DSM/EE rider requirement for those customers that opt-in) and the new EPA RICE NESHAP regulations for emergency generators continue to be a market barrier to customer participation.

Approximately 71% of the MW's enrolled in the program have come from customers that can backup their curtailable demand with emergency generation. The remaining committed load is straight curtailment, typically from shutdown of processes from participating industrial customers.

Over the course of the past three years, the U.S. Environmental Protection Agency (EPA) has been producing and revising rules on the use of Reciprocating Internal Combustion Engines and their inclusion in the National Emission Standards for Hazardous Air Pollutants (RICE NESHAP). These rules negatively impact customer owned emergency generators and their use in utility demand response programs. After much public comment and multiple iterations, the final RICE NESHAP rules were released on January 14, 2013.

The following is a summary of important items from this regulation relating to demand response issues:

- The use of emergency generators for utility/RTO emergency demand response programs is limited to 100 hours annually—including testing. The rule states that a customer may not have a demand response contract that would require them to operate the generators for more than 100 hours, including testing.
- Emergency curtailments are defined as those that the RTO or Load Balancing Authority has declared conditions have reached an EEA Level 2 emergency, as defined by NERC.
- Within the 100 hours of allowed emergency demand response, 50 hours of use may be dispatched by the local balancing authority or local transmission and distribution system operator to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region in accordance w/ specific conditions identified in the rule.

## Provision (h)(1)(ii)k – *Continued*

- The use of emergency generators for peak shaving or other non-emergency economic demand response purposes will be limited to 50 hours and will not be allowed after May 3, 2014. Sources that wish to continue peak shaving or other non-emergency operation must install controls and complete an initial performance test which demonstrates compliance with non-emergency NESHAP MACT standards by May 3, 2014.
- The utility will be required to report customers with emergency generators on its demand response programs and the start and stop times of operation during the course of the year (tests as well as events). This requirement begins for calendar year 2015.
- These same rules are proposed to be added to the New Source Performance Standards so that all (new and existing) generators have the same emissions rules.

As it exists today, this EPA regulation negatively impacts the current DRA program design by disallowing program participants to reduce load using emergency standby generation as it is defined under the new RICE NESHAP language. DEP is currently investigating potential changes to DRA rider design and internal procedures in an effort to retain existing customers and increase future participation

### **DSDR**

During the twelve month period ending March 31, 2013, DSDR was not activated except for testing. The full implementation of the DMS was extended through December 2012 in order to allow for a comprehensive validation of the system's functionality. As a result, the 2012 incremental MW estimate could not be validated during the summer peak season. The 2013 incremental estimate has therefore been modified and the realization of the total peak demand reduction capability of the DSDR program has been extended into 2014. The DSDR peak demand reduction and MWh savings estimates have been updated to reflect these changes as well as changes in the MW Optimization construction schedule and forecasted retail peak demand and energy sales.

**Rule R8-69(f)(1)(iii)g - Evaluation of event based measure during test period**

**Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (iii) For each measure for which cost recovery is requested through the DSM/EE EMF rider:
    - g. evaluations of event-based programs including the date, weather conditions, event trigger, number of customers notified and number of customers enrolled; and

**DSDR**

During the twelve month period ending March 31, 2013, DSDR was not activated except for testing. The full potential of DSDR activations will be realized when its DMS capabilities are up and running later this year.

**Residential Load Control Program (EnergyWise™)**

The following table provides information on load control occurrences associated with DEP's EnergyWise™ program covering the twelve month period ending March 31, 2013:

Date	Weather Conditions	Event Trigger <sup>1</sup>	Control Mode	Switches Activated	Number of Customers Controlled	Number of Customers Enrolled
May-02-12	90.0° F	GLRP System Reliability Alert	AC Units	93,188	81,260	AC - 81,260
Jun-29-12	103.0° F	GLRP System Reliability Alert	AC Units	93,561	81,315	AC - 81,315
Jun-29-12	103.0° F	GLRP System Reliability Alert	Water Heaters	3,825	3,720	WH - 3,720
Jul-06-12	97.0° F	GLRP System Reliability Alert	AC Units	93,496	81,217	AC - 81,217
Jul-18-12	92.0° F	Testing	AC Units	93,817	81,386	AC - 81,386
Jul-18-12	92.0° F	Testing	Water Heaters	3,835	3,730	WH - 3,730
Jul-26-12	98.0° F	GLRP System Reliability Alert	AC Units	93,874	81,487	AC - 81,487

<sup>1</sup> GLRP - General Load Reduction Plan

**Rule R8-69(f)(1)(iii)g – Continued****CIG DR (Demand Response Automation)**

The following table provides information on load control occurrences associated with DEP's CIG Demand Response Automation program covering the twelve month period ending March 31, 2013:

Date	Weather Conditions	Event Trigger <sup>1</sup>	Control Mode	Points of Delivery Controlled	Number of Customers Controlled	Number of Customers Enrolled
Jul-06-12	97.0° F	GLRP System Reliability Alert	NA	41	15	15
Jul-26-12	98.0° F	GLRP System Reliability Alert	NA	41	15	15
Aug-16-12	90.0° F	Minimum Event Requirement	NA	41	15	15

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<sup>1</sup> GLRP - General Load Reduction Plan



## Rule R8-69(f)(1)(iii)h – Comparison of impact estimates

### Rule R8-69 (f) Filing Requirements and Procedure.

(1) Each electric public utility shall submit to the Commission all of the following information and data in its application:

(iii) For each measure for which cost recovery is requested through the DSM/EE EMF rider:

h. a comparison of impact estimates presented in the measure application from the previous year, those used in reporting for previous measure years, and an explanation of significant differences in the impacts reported and those previously found or used.

The Company's current impact estimate of capacity savings, estimated savings used in its previous report, and their differences, expressed in megawatts at the meter, varied by program, however, in aggregate, the forecasted summer and winter capacity reductions exceeded expectations. These items are provided in the following tables. Explanations of variances are provided in Rule R8-69(f)(1)(iii)f:

Forecasted Summer Capacity Savings from Docket No. E-2, Sub 1030

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Lighting Residential	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	3.8	22.4	99.9	0.0	2.6	0.3	5.9	4.2	0.5	1.8	12.3	NA	2.4	1.9	158.1
2014	5.0	24.0	30.1	0.0	4.3	0.2	5.8	4.7	0.9	0.5	12.9	NA	3.6	1.6	93.6
2015	5.0	21.9	5.3	0.0	5.0	0.2	4.1	3.2	0.9	-0.6	13.7	NA	3.6	3.4	65.7
2016	4.5	20.1	6.1	0.0	4.5	0.2	3.7	2.9	0.9	-1.9	14.4	NA	3.6	3.7	62.7

Anticipated Summer Capacity Reductions (MW)

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	1.4	27.9	88.9	0.0	3.5	0.3	14.9	9.8	0.6	2.8	16.8	0.0	1.1	0.4	168.6
2014	5.0	26.8	41.1	0.0	2.9	0.2	7.7	5.0	0.5	N/A	18.2	0.0	1.4	2.3	111.1
2015	5.0	21.9	(3.6)	0.0	2.9	0.2	6.5	4.3	0.4	N/A	19.6	0.0	1.5	3.3	62.1
2016	4.5	20.1	6.7	0.0	2.9	0.2	6.5	4.2	0.4	N/A	21.2	0.0	1.6	4.2	72.6

Differences Between Previous and Updated Summer Capacity Forecasts (MW)

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	(2.4)	5.5	(11.0)	0.0	1.0	0.0	9.0	5.6	0.1	1.0	4.5	0.0	(1.4)	(1.5)	10.5
2014	0.0	2.8	10.9	(0.0)	(1.5)	0.0	2.0	0.4	(0.3)	(0.5)	5.3	0.0	(2.2)	0.7	17.5
2015	0.0	0.0	(8.9)	0.0	(2.2)	0.0	2.4	1.0	(0.5)	0.6	5.9	0.0	(2.1)	(0.1)	(3.6)
2016	0.0	0.0	0.7	0.0	(1.7)	0.0	2.8	1.3	(0.5)	1.9	6.8	0.0	(2.0)	0.5	9.9

Rule R8-69(f)(1)(iii)h - Continued

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Forecasted Winter Capacity Values from Docket No. E-2, Sub 1030

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	1.6	1.6	TBD	0.0	4.4	0.5	8.2	3.6	0.5	2.3	5.5	NA	1.0	2.4	31.5
2014	3.3	1.4	TBD	0.0	3.0	0.4	8.0	3.3	0.8	2.1	5.7	NA	1.5	1.9	31.5
2015	3.3	1.3	TBD	0.0	3.4	0.4	5.7	2.3	0.8	(2.6)	6.1	NA	1.5	4.2	26.4
2016	3.0	1.2	TBD	0.0	3.1	0.4	5.2	2.1	0.8	(7.8)	6.4	NA	1.5	4.6	20.4

Anticipated Winter Capacity Reductions (MW)

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	0.6	1.4	TBD	0.0	2.7	0.4	6.1	8.4	0.4	2.6	14.2	0.0	0.4	0.5	37.9
2014	2.3	1.5	TBD	0.0	2.2	0.4	2.6	4.3	0.4	N/A	15.4	0.0	0.6	2.6	32.1
2015	2.3	1.5	TBD	0.0	2.2	0.4	2.2	3.6	0.3	N/A	16.6	0.0	0.6	3.7	33.3
2016	2.0	1.5	TBD	0.0	2.2	0.4	2.2	3.6	0.3	N/A	17.9	0.0	0.6	4.6	35.4

Differences Between Previous and Updated Winter Capacity Forecasts (MW)

	CIG DR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	(1.0)	(0.2)	TBD	0.0	(1.7)	(0.1)	(2.1)	4.8	(0.0)	0.3	8.7	0.0	(0.5)	(1.9)	6.3
2014	(1.1)	0.1	TBD	(0.0)	(0.8)	(0.1)	(5.5)	1.0	(0.4)	(2.1)	9.7	0.0	(0.9)	0.6	0.6
2015	(1.1)	0.2	TBD	0.0	(1.3)	(0.1)	(3.6)	1.3	(0.5)	2.6	10.5	0.0	(0.8)	(0.5)	6.9
2016	(1.0)	0.3	TBD	0.0	(0.9)	(0.1)	(3.0)	1.5	(0.5)	7.8	11.6	0.0	(0.8)	0.0	15.0

## Rule R8-69(f)(1)(iii)h - Continued

The Company's current impact estimate of cumulative energy savings, estimated savings used in its previous report, expressed in megawatt hours at the meter, and their differences are provided in the following tables.

Forecasted Energy Values from Docket No. E-2, Sub 1030

	CIGDR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	86	409	22,102	78	4,583	1,801	51,479	24,091	4,480	10,499	52,993	NA	10,098	6,892	189,592
2014	90	83	2,861	0	5,040	1,801	37,606	30,140	5,416	2,880	53,004	NA	15,000	5,596	159,517
2015	90	58	840	0	4,536	1,801	37,128	17,404	4,062	(3,600)	56,004	NA	15,000	6,155	139,477
2016	86	54	1,057	0	4,082	1,801	33,415	15,664	2,843	(10,800)	58,804	NA	15,000	6,155	128,161

Anticipated Energy Reductions (MWH)

	CIGDR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2013	N/A	N/A	102	87	3,925	1,990	105,593	50,195	5,497	11,405	65,254	0	4,447	1,201	249,695
2014	N/A	N/A	(121)	0	3,087	2,020	53,651	25,471	5,264	N/A	70,469	0	5,868	5,885	171,595
2015	N/A	N/A	24,831	0	3,110	2,020	45,337	21,509	4,212	NA	76,107	0	6,382	9,131	192,638
2016	N/A	N/A	1,180	0	3,119	2,020	45,048	21,311	4,212	NA	82,196	0	6,518	11,625	177,227

Differences Between Previous and Updated Energy Forecasts (MWH)

	CIGDR	Energy Wise™	DSDR	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	CFL Pilot	SMB Direct Install	Res New Const.	Total
2013	(86)	(409)	(22,000)	9	(658)	189	54,113	26,104	1,016	906	12,261	0	(5,651)	(5,692)	60,103
2014	(90)	(83)	(2,981)	0	(1,953)	219	16,045	(4,669)	(152)	(2,880)	17,465	0	(9,132)	289	12,078
2015	(90)	(58)	23,991	0	(1,426)	219	8,209	4,105	150	3,600	20,103	0	(8,618)	2,976	53,161
2016	(86)	(54)	123	0	(963)	219	11,633	5,647	1,368	10,800	23,391	0	(8,482)	5,469	49,065

## Rule R8-69(f)(1)(iv) – Determination of utility incentives

### Rule R8-69 (f) Filing Requirements and Procedure.

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (iv) For each measure for which recovery of utility incentives is requested, a detailed explanation of the method proposed for calculating those utility incentives, the actual calculation of the proposed utility incentives, and the proposed method of providing for their recovery and true-up through the annual rider. If recovery of net lost revenues is requested, the total net lost kWh sales and net lost revenues per appropriate capacity, energy, and program unit metric and in the aggregate for the test period, and the proposed jurisdictional allocation factors, as well as any changes in estimated future amounts since last filed with the Commission.

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The Company is requesting recovery of (1) net lost revenues, and (2) program performance incentives to create future benefits based on achieved savings from Demand-Side Management (DSM) and Energy Efficiency (EE) programs. The cost recovery mechanism is based upon the Settlement Agreement as approved by the Commission in Docket No. E-2, Sub 931, and has been summarized below. The specific calculations associated with these amounts are included as a part of the Company's supporting workpapers.

#### A. Net Lost Revenues

Net lost revenues are determined by multiplying lost sales by a net lost revenue rate.

$$\text{Net Lost Revenues} = \text{Lost Sales} \times \text{Net Lost Revenue Rate}$$

Lost Sales are those sales that do not occur by virtue of employing the DSM/EE measures. These values are initially based on estimates and subsequently confirmed through the measurement and verification (M&V) process.

Net Lost Revenue Rate is the difference between the average retail rate applicable to the customer class impacted by the measure and (1) the related customer charge component of that rate, (2) the fuel component of the rate, and (3) the incremental variable O&M rate. When multiple customer classes are impacted by the DSM/EE measures, a weighted or system wide net lost revenue rate is employed. The recovery of net lost revenues applicable to a given vintage year shall be recovered through the DSM/EE rider only for the first 36 months after the installation of the measurement unit. Thereafter, recovery of Net Lost Revenues shall end. An exception to the 36-month recoupment allowance involves the Residential EE Benchmark program, which in the absence of M&V results indicating greater persistence of benefits, is limited to 12-months.

#### B. Incentive to Create Future Benefits

##### DSM and EE Program Performance Incentives (PPI)

For DSM programs, the PPI to be recovered for a given measurement unit and vintage year shall be equal to 8% of the net present value of the DSM program savings based upon the Utility Cost Test ("UCT"). For EE programs, the PPI to be recovered for a given measurement unit and vintage year shall be equal to 13% of the net present value of the EE program savings based upon the UCT. The UCT is an industry standard test, which compares the costs incurred

**Rule R8-69(f)(1)(iv) - Continued**

by a utility in offering a DSM/EE program to the benefits as measured by the costs avoided by the utility.

The PPI is converted into a stream of ten (10) levelized annual payments, accounting for and incorporating DEP's overall weighted average net-of tax rate of return approved in DEP's most recent general rate case as the appropriate discount rate. An exception to the 10-year PPI levelization involves the Residential EE Benchmark program, which in the absence of M&V results indicating greater persistence of benefits, is being recovered in a single year.

Pursuant to the Docket No. E-2, Sub 931 based Settlement Agreement, the amount of the PPI ultimately to be recovered for a given program or measure and vintage year shall be trued-up so that the PPI is based on the actual net savings derived from all measurement units specific to the program or measure.

North Carolina jurisdictional estimated lost sales quantities for the Company's system are provided in the following table. They have been segmented into the recovery periods.

Program / Measure	Sales Loss For Purposes of Lost Revenue Calculation (MWh) – North Carolina	
	Test Period (4/1/13 through 3/31/14)	Rate Period (12/1/14 through 11/30/15)
<b>Demand-Side Management Programs</b>		
CIG DR <sup>1</sup>	NA	-
EnergyWise <sup>1</sup>	NA	-
<b>Energy Efficiency Programs</b>		
DSDR Implementation <sup>1</sup>	-	-
Res Home Advantage	208.15	74.42
Res Home Energy Improve.	3,637.21	7,175.77
Residential Low Income-NES	1,436.86	4,219.46
Lighting (Residential)	81,699.63	152,740.43
Lighting (General Service)	39,090.06	72,563.36
Res Appliance Recycling	2,363.46	10,751.41
Residential EE Benchmark	9,366.99	-
Solar Hot Water Heating Pilot	-	-
CIG Energy Efficiency	50,247.92	152,425.26
Small Business Energy Saver	2,668.70	11,329.73
Residential New Construction	957.70	9,668.73
CFL Pilot	-	-

<sup>1</sup> Net lost revenues for event based measures are based on actual events as opposed to estimated occurrences.

Total Reduction in Energy (kWh)	191,676.68	420,948.57
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## Rule R8-69(f)(1)(iv) – Continued

The following table provides calculated North Carolina jurisdictional utility incentives for the Company's test period (4/1/13 through 3/31/14). The PPI values encompass program results associated with program vintages 2009, 2010, 2011, 2011, 2012 and 2013.

Program / Measure	Utility Incentives (North Carolina Only) – Test Period (4/1/13 through 3/31/14)			
	Net Lost Revenue	DSM PPI	EE PPI	Total
<b>Demand-Side Management Programs</b>				
CIG DR	-	109,328	-	109,328
EnergyWise	-	2,222,225	-	2,222,225
<b>Energy Efficiency Programs</b>				
DSDR Implementation	-	-	-	-
Res Home Advantage	12,280	-	176,476	188,756
Res Home Energy Improve.	214,590	-	311,107	525,697
Residential Low Income-NES	84,772	-	-	84,772
Lighting (Residential)	4,820,155	-	2,071,131	6,891,286
Lighting (General Service)	1,934,390	-	526,076	2,460,466
Res Appliance Recycling	139,441	-	109,432	248,873
Residential EE Benchmark	552,638	-	127,551	680,189
Solar Hot Water Heating Pilot	-	-	-	0
CIG Energy Efficiency	2,486,542	-	2,622,623	5,109,165
Small Business Energy Saver	132,062	-	-	132,062
Residential New Construction	56,503	-	-	56,503
CFL Pilot	-	-	-	-
<b>Total Utility Incentives Including Net Lost Revenue</b>	<b>10,433,373</b>	<b>2,331,553</b>	<b>5,944,396</b>	<b>18,709,322</b>

The following table provides calculated North Carolina jurisdictional utility incentives for the Company's rate period (12/1/14 through 11/30/15). The PPI values encompass program results associated with program vintages 2009, 2010, 2011, 2012, 2013, and estimated values for 2014.

Program / Measure	Utility Incentives (North Carolina Only) – Rate Period (12/1/14 through 11/30/15)			
	Net Lost Revenue	DSM PPI	EE PPI	Total
<b>Demand-Side Management Programs</b>				
CIG DR	-	127,983	-	127,983
EnergyWise	-	2,418,732	-	2,418,732
<b>Energy Efficiency Programs</b>				
DSDR Implementation	-	-	-	-
Res Home Advantage	4,367	-	176,476	180,843
Res Home Energy Improve.	421,033	-	311,107	732,140
Residential Low Income-NES	247,574	-	-	247,574
Lighting (Residential)	8,961,941	-	2,303,697	11,265,638
Lighting (General Service)	3,567,309	-	585,307	4,152,616
Res Appliance Recycling	630,832	-	129,912	760,744
Residential EE Benchmark	-	-	211,846	211,846
Solar Hot Water Heating Pilot	-	-	-	0
CIG Energy Efficiency	7,493,425	-	3,362,077	10,855,502
Small Business Energy Saver	556,984	-	-	556,984
Residential New Construction	567,306	-	41,335	608,641
CFL Pilot	-	-	-	-
<b>Total Utility Incentives Including Net Lost Revenue</b>	<b>22,450,772</b>	<b>2,546,715</b>	<b>7,121,757</b>	<b>32,119,243</b>

### **Rule R8-69(f)(1)(iv) – Continued**

The Company's proposed jurisdictional allocation factors for the test period, April 1, 2013 through March 31, 2014, and for the rate period, December 1, 2014 through November 30, 2015 are provided in attached Appendix C.

**Rule R8-69(f)(1)(v) – Actual revenue from DSM/EE and DSM/EE EMF riders****Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
- (v) Actual revenues produced by the DSM/EE rider and the DSM/EE EMF rider established by the Commission during the test period and for all available months immediately preceding the rate period.

The following table provides DSM/ EE revenues billed from April 1, 2013 through March 31, 2014.

	DSM/EE Rider	DSM/EE EMF Rider	Total from Riders
Residential DSM/EE Recoveries	\$ 50,805,147	761,390	\$ 51,566,537
General Service	\$ 56,606,797	\$ 8,365,283	\$ 64,972,080
Less: Opt-Out Credits	\$ 29,371,781	\$ 4,418,944	\$ 33,790,725
General Service DSM/EE Recoveries	\$ 27,235,016	\$ 3,946,339	\$ 31,181,355
Lighting	\$ 508,864	\$ (37,663)	\$ 471,201
Less: Opt-Out Credits	\$ 16,052	\$ (1,179)	\$ 14,873
Lighting DSM/EE Recoveries	\$ 492,812	\$ (36,484)	\$ 456,328
Total DSM/EE Recoveries	\$ 78,532,975	\$ 4,671,245	\$ 83,204,220

The following table provides actual and estimated DSM/EE revenues for the period April 1, 2014 through July 31, 2014.

	DSM/EE Rider	DSM/EE EMF Rider	Total from Riders
Residential DSM/EE Recoveries	\$ 14,857,650	\$ 387,321	\$ 15,244,971
General Service	\$ 17,041,849	\$ 2,8239,220	\$ 19,881,069
Less: Opt-Out Credits	\$ 8,942,670	\$ 1,490,658	\$ 10,433,328
General Service DSM/EE Recoveries	\$ 8,099,179	\$ 1,348,562	\$ 9,447,741
Lighting	\$ 138,810	\$ (12,274)	\$ 126,536
Less: Opt-Out Credits	\$ 4,511	\$ 400	\$ 4,111
Lighting DSM/EE Recoveries	\$ 134,299	\$ (11,874)	\$ 122,425
Total DSM/EE Recoveries	\$ 23,091,128	\$ 1,724,009	\$ 24,815,137



## Rule R8-69(f)(1)(vi) – Proposed DSM/EE and DSM/EE EMF riders

### Rule R8-69 (f) Filing Requirements and Procedure.

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
  - (vi) The requested DSM/EE rider and DSM/EE EMF rider and the basis for their determination.

Detailed information regarding the determination of the DSM/EE and DSM/EE EMF factors has been provided as a part of the attached testimony of Robert P. Evans. The following table provides a summary of the Company’s requested DSM/EE rates exclusive of North Carolina Regulatory Fees.

Rate Class	DSM /EE Rate	DSM /EE EMF	DSM/EE Annual Rider
Residential	0.395¢/kWh	0.008¢/kWh	0.403¢/kWh
General Service	0.397¢/kWh	0.001¢/kWh	0.398¢/kWh
Lighting	0.108¢/kWh	-0.005¢/kWh	0.103¢/kWh

The following table provides a summary of the Company’s requested DSM/EE rates including North Carolina Regulatory Fees.

Rate Class	DSM /EE Rate	DSM /EE EMF	DSM/EE Annual Rider
Residential	0.396¢/kWh	0.008¢/kWh	0.404¢/kWh
General Service	0.398¢/kWh	0.001¢/kWh	0.399¢/kWh
Lighting	0.108¢/kWh	-0.005¢/kWh	0.103¢/kWh

**Rule R8-69(f)(1)(vii) – Projected NC retail sales for customers opting out of measures****Rule R8-69 (f) Filing Requirements and Procedure.**

- (1) Each electric public utility shall submit to the Commission all of the following information and data in its application:
- (vii) Projected North Carolina retail monthly kWh sales for the rate period for all industrial and large commercial accounts, in the aggregate, that are not assessed the rider charges as provided in this rule.

Based on the current proportion of General Service sales associated customers who have “opted-out” of participation in DEP’s DSM/EE programs, DEP estimates that 11,187,663,381 kWh will not be subject to billing under its rider for the twelve month period ending November 30, 2014. A similar analysis estimated that there is another 13,525,446 kWh, associated with the lighting accounts of commercial and industrial customers who have elected to “opt-out”, that would not be subject to billing under the rider. The following table provides the Company’s estimate of North Carolina retail monthly kWh sales in the aggregate, that will not be assessed DSM/EE rider charges.

Estimated “Opt-Out” Sales from with Industrial, Large Commercial &amp; Lighting Customers

Month	Estimated kWh
Dec-14	874,023,185
Jan-15	855,922,681
Feb-15	835,537,550
Mar-15	798,748,722
Apr-15	969,019,104
May-15	916,454,198
Jun-15	869,598,301
Jul-15	1,095,476,648
Aug-15	1,033,850,972
Sep-15	1,009,365,561
Oct-15	954,700,095
Nov-15	847,853,670
<b>Total</b>	<b>11,060,550,687</b>

## **Rule R8-69(f)(1)(viii) – Supporting work papers**

### **Rule R8-69 (f) Filing Requirements and Procedure.**

(1) Each electric public utility shall submit to the Commission all of the following information and data in its application:

(viii) All work papers supporting the calculations and adjustments described above

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Workpapers and supporting documents are provided in Appendix F.

## Rule R8-69(f)(2) – Work papers and testimony

### Rule R8-69 (f) Filing Requirements and Procedure.

- (1) Each electric public utility shall file the information required under this rule, accompanied by work papers and direct testimony and exhibits of expert witnesses supporting the information filed in this proceeding, and any change in rates proposed by the electric utility, by the date specified in subdivision (e)(2) of this rule. An electric public utility may request a rider lower than that to which its filed information suggests that it is entitled.
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Work papers and supporting documents are attached to this document along with the testimony and exhibits of Robert P. Evans providing details associated with the development of the Company's proposed DSM/EE rates and information requested by the Commission in its November 27, 2012 Order in Docket Number E-2, Sub 1019 and its March 30, 2013 Order in Docket No. E-2, Sub 1023.

## Appendix A: Non-Participating Customers

Non-Participant	Non-Participating Accounts
3141 PROPERTIES LLC	1
333 VENTURES LLC C/O RDC PROP	2
3700 GLENWOOD LLC	1
A DOWTY CO	5
A STUCKI COMPANY	1
AAIPHARMA SERVICES CORP	1
ACCU-FAB INC	1
ACME-MCCRARY CORP	5
AGRIUM US INC	1
AIMET TECHNOLOGIES INC	1
AJINOMOTO USA INC	3
ALAMAC AMERICAN KNITS LLC	2
ALLEN HARIM FARMS LLC	1
ALLEN IND & WELDING SUPPLY LLC	1
ALLIANCE ONE INTERNATIONAL INC	3
ALOTECH INC	3
ALPLA INC MW	1
ALUDISC LLC	1
AMC INC	5
AMCOR FLEXIBLES INC	1
AMCOR PHARMACEUTICAL PACKAGING	2
AMERICAN EUROPEAN LLC	1
AMERICAN GROWLER INC	2
AMERICAN LIFTS	1
AMERICAN SKIN COMPANY INC	1
AMISUB OF NORTH CAROLINA INC	1
AMITAL SPINNING CORP	3
ANGUS BARN LTD	6
ANGUS FIRE ARMOUR CORP	2
ANSON COMMUNITY HOSPITAL	4
ANSON MACHINE WORKS	4
AP EXHAUST PRODUCTS INC	4
APAC CAROLINA INC	3
APEX OIL CO INC/TERMINALS DIVI	5
APEX TOOL GROUP LLC	1
ARAUCO PANELS USA LLC	2
ARCADIA DAIRY FARMS INC	2
ARCHER-DANIELS MIDLAND CO	1
ARCLIN USA INC	1
ARDEN CORPORATION	4
ARI RALEIGH CAPITOL CTR LLC	2
ARVATO DIGITAL SERVICES LLC	3
ASHEBORO CITY OF	4
ASHEBORO ELASTICS CORP	3
ASHEVILLE BUNCOMBE TECH	2

Non-Participant	Non-Participating Accounts
ASHEVILLE DYING AND FINISHING	2
ASHEVILLE EYE ASSOCIATES PLLC	1
ASHEVILLE REGIONAL AIRPORT	9
ATEX TECHNOLOGIES INC	1
ATLANTIC PACKAGING	13
ATLAS PRECISION INC	1
ATRIUM @ BLUE RIDGE LLC	1
AUSTIN QUALITY FOODS INC	3
AUTUMN CARE	1
B J'S WHOLESALE CLUB	8
BAILEY RED & WHITE	1
BALCRANK CORPORATION	2
BALDOR ELECTRIC CO	1
BARHAM FARMS INC	1
BARNES FARMING CORPORATION	10
BARNHARDT MANUFACTURING COMPANY INC	1
BARNHILL CONTRACTING CO	2
BARTLETT MILLING CO	2
BB&T	2
BEACON PARTNERS	3
BELK	13
BELLSOUTH TELECOMMUN	10
BEST BUY LP	7
BI LO LLC	3
BILTMORE BAPTIST CHURCH	1
BILTMORE FARMS HOTEL GRP LLC	4
BILTMORE FARMS LLC	2
BILTMORE FOREST CNTRY CLUB INC	5
BJT, INC	1
BLACK MTN CENTER	6
BLUE RIDGE PAPER PRODUCTS INC	32
BONSAL AMERICAN INC	1
BORG WARNER TURBO SYSTEMS INC	2
BORGWARNER THERMAL SYSTEMS INC	1
BP SOLUTIONS GROUP INC	2
BRIER CREEK OFFICE # 1 LLC	1
BRIER CREEK OFFICE # 2 LLC	1
BRIER CREEK OFFICE # 5 LLC	1
BRM PARTNERS II LLC	1
BRM PARTNERS LLC	1
BROMLEY PLASTICS CORPORATION	1
BROOKS BROTHERS GROUP INC	3
BROOKS HOWELL RETIREMENT HOME	3
BROOKWOOD CAROLINA CORP LLC	1
BROOKWOOD FARMS INC	6

## Appendix A - Continued

Non-Participant	Non-Participating Accounts
BRYAN NEARN	2
BRYAN WRIGHT	2
BSH HOME APPLIANCES	6
BUCKEYE CELLULOSE CORP	4
BUILDING AND EARTH SCIENCES LL	1
BURCAM CAPITAL II LLC	1
BUTLER MFG CO	5
BUTTERBALL LLC	1
CAMP DAVIS INDUSTRIAL PARK INC	7
CAMPBELL SOUP SUPPLY CO LLC	4
CAMPBELL UNIVERSITY	26
CAN AM SOUTH LLC	2
CAPE FEAR ACADEMY	3
CAPE FEAR COUNTRY CLUB	8
CAPE FEAR PUBLIC UTILITY AUTH	6
CAPEL INC	6
CAPELSIE MILLS INC	1
CAPITAL ASSOCIATES	11
CAPITAL BROADCASTING CO	5
CAPITOL FUNDS INC	6
CAPITOL FUNDS, INC	3
CARGILL INCORPORATED	2
CARLIE C OPERATION CENTER INC	4
CARMIKE CINEMAS	2
CAROLINA APPAREL GROUP INC	1
CAROLINA BEACH TOWN OF	1
CAROLINA COUNTRY CLUB	4
CAROLINA CRATE & PALLET INC	3
CAROLINA CUSTOM FINISHING LLC	1
CAROLINA EGG CO INC	1
CAROLINA ELECTRONIC ASSEMBLERS	1
CAROLINA GROWLER INC	1
CAROLINA MARINE TERMINAL	1
CAROLINA TECHNICAL PLASTICS	3
CARQUEST AUTO PARTS	1
CARQUEST OF SRONCE	2
CARTERET CO BD OF ED	37
CARTERET COUNTY FINANCE	1
CARTERET GENERAL HOSPITAL	2
CARTERET SURGICAL ASSOCIATES	1
CARY VENTURE LTD PRTRNSHIP	18
CASCADES MOULDED PULP	1
CASCADES TISSUE GROUP NC INC	5
CASE FARMS	11
CATALENT PHARMA SOLUTIONS LLC	17

Non-Participant	Non-Participating Accounts
CATERPILLAR INC	10
CENTURY SPECIALTY WINDOWS	2
CERTAINTED CORP	5
CHARLES R UNDERWOOD INC	2
CHATHAM CO	1
CHATHAM CO BOARD OF EDUCATION	1
CHATHAM HOSPITAL INC	2
CHERRY HOSPITAL	40
CHESTER WOOD PRODUCTS LLC	6
CINGULAR WIRELESS	3
CITY OF ASHEVILLE	11
CITY OF HENDERSON	2
CLAPPS CONVLNT NURSING HME INC	1
CLASS RM B COASTAL CAROLINA COMM COLLEGE	1
CLIENT LOGIC INC	1
CLIFFORD W ESTES CO INC	3
CLINTON CITY OF	3
CLOVERDALE COLD STORAGE	1
CMC CORPORATION	6
CMS FOOD SOLUTIONS INC	1
COASTAL CAR COMM COLL CLASS RM	4
COASTAL CAR COMM COLL RES BLD	1
COASTAL CAROLINA COMM COLL A	2
COASTAL CAROLINA COMM COLLEGE	5
COASTAL FEDERAL CREDIT UNION	1
COBB VANTRESS INC	1
COKER FEED MILL INC	1
COLBOND INC	1
COLLIERS TURLEY MARTIN TUCKER CORPorex	1
COLUMBUS COUNTY SCHOOLS	12
COLUMBUS CTY BD	1
COLUMBUS REG HEALTHCARE SYSTEM	3
CONSOLIDATED METCO INC	1
CONTAINER SYSTEMS INC	7
CONTRACT STEEL SALES INC	1
CONVEYOR TECHNOLOGIES OF SANFO	5
COOPER INDUSTRIES INC	1
COOPER-STANDARD AUTOMOTIVE INC	2
CORNELIA NIXON DAVIS INC	4
CORNELIA NIXON DAVIS NURSING	1
CORNING INC	2
CORTEK	4
COSTCO WHOLESALE	4
COTY US LLC	5
COUNCIL TOOL CO INC	4

## Appendix A – Continued

Non-Participant	Non-Participating Accounts
COUNTRY CLUB OF LANDFALL	18
COUNTY OF WAYNE	20
CPI USA NORTH CAROLINA LLC	1
CRABTREE PARTNERS LLC	1
CRAVEN CO BD OF ED	23
CRAWFORD KNITTING INC	1
CROSSROADS FELLOWSHIP CHURCH	2
CROWN-RALEIGH I LLC	1
CROWN-RALEIGH II LLC	1
CROWN-RALEIGH III LLC	1
CSX TRANS	2
DAK AMERICAS LLC	13
DALIAH PLASTICS CORP	4
DART CONTAINER CORP	1
DAVID WEIL	1
DAY INTERNATIONAL, INC	2
DC-5150 MCCRIMMON PKWY	2
DCI INC	2
DEERFIELD DEERFIELD EPISCOPAL RETIREMENT	10
DEVIL DOG MFG CO INC	3
DEWEY DEVELOPMENT INC	3
DIANE JOHNSON	1
DIXIE PIPELINE COMPANY	4
DUBOSE STRAPPING, INC.	1
DUKE REALTY	16
DUKE REALTY CORPORATION	1
DUNN CITY OF	2
DUPLIN GENERAL HOSP	1
DYNAPAR CORP	1
E G FORREST CO	3
E I DUPONT	8
EARTH FARE INC	3
EATON AEROQUIP INC	2
EATON CORPORATION	1
EATON HYDRAULICS	7
EDEL BROCK LLC	1
EDWARDS WOOD PRODUCTS INC	6
ELASTIC THERAPY INC	3
ELECTRO SWITCH CORPORATION	1
ELEMENTIS CHROMIUM INC	4
ELIZABETHTOWN ENERGY LLC	3
ELKAY SOUTHERN PLANT 2	1
ELKINS SAWMILL INC	3
EMBARQ MID-ATLANTIC MGMNT SVC	3
EMC CORPORATION	4

Non-Participant	Non-Participating Accounts
EMCO WHEAT INC	1
ENERGIZER BATTERY MANUFACTURIN	6
ENTERCO LLC	1
ERGS II REO OWNER LLC	1
ERICO INC	6
EVERGREEN PACKAGING INC	4
EXECUTIVE PARK ASSOCIATES	1
EXPRESS FOOD GROUP LLC	1
FACTORY ICE HOUSE	3
FALLING CREEK FOODS INC	1
FAYETTEVILLE TECH COMM COLL	2
FCC (NC) LLC	5
FENNER DRIVES	1
FERROFAB INC	1
FEX STRAW MANUFACTURING	1
FINE ARTS COASTAL CAROLINA COMM COLLEGE	1
FIRC HAYWOOD PARK LLC	1
FIRST BAPTIST CH OF ASHE INC	1
FIRST CITIZENS BANK	7
FIRST UNION	3
FIRSTHEALTH OF THE CAROLINAS	6
FLETCHER BUSINESS PARK LLC	1
FLOCO FOODS INC	2
FOOD LION	165
FOUNTAIN POWER BOATS INC	4
FOUR PNTS LAND DEVELOPEMNT LLC	1
FOUR SEASONS MGNT SVCS INC	2
FOUR SEASONS MNGMT SVCS INC	6
FRANKLIN BAKING COMPANY LLC	10
FRANKLIN COUNTY SCHOOLS	5
FRESH BUY INC	1
FRESH MARKET	2
FRONTIER SPINNING MILLS LLC	1
FUJIFILM DIOSYNTH BIOTEC USA	2
FURNITURE FAIR INC	3
G PHILIP CHENEY III	1
GALE FORCE SPORTS & ENTERTAIN	13
GARMENTO LLC	1
GARNER ECONOMIC DEVELOPMENT CO	2
GCCFC 2007-GG9 TRINITY RD LLC	2
GENERAL ELECTRIC	3
GENERAL INDUSTRIES INC	5
GENERAL SHALE BRICK INC	8
GENERAL TIMBER INC	4
GEORGIA PACIFIC CORP	7

## Appendix A - Continued

Non-Participant	Non-Participating Accounts
GEORGIA PACIFIC WOOD PROD LLC	1
GIBRALTAR PACKAGING GROUP INC	4
GILDAN YARNS LLC	1
GIVENS ESTATES INC	13
GLAXOSMITHKLINE	6
GLEN RAVEN MILLS INC	1
GLENWOOD PLACE VENTURES LLC	1
GOLDSBORO CITY OF	3
GOLDSBORO HOUSING AUTHORITY	2
GOLDSBORO MILLING CO	14
GRANITE FALLS SWIM/ATHL CLUB	2
GREDE II LLC	5
GREDE MACHINING LLC	3
GREENE GIN & COTTON CO	1
GRIFOLS THERAPEUTICS INC	16
GUILFORD MILLS INC	5
H & H FURNITURE MFG INC	3
HANESBRANDS INC	2
HANSON AGGREGATES SE LLC	51
HANSON BRICK EAST LLC	1
HAPPY JACK INC	1
HARDEN ROAD ASSOCIATES	1
HARGER LIGHTNING & GROUNDING	1
HARNETT CO BD OF ED	29
HARRIS PRINTING CO INC	3
HARRIS TEETER INC	34
HASTY PLYWOOD CO	3
HAYWOOD COUNTY LOCAL GOV	1
HAYWOOD REGIONAL MEDICAL CNTR	6
HD CAPITAL CENTER LLC	1
HEALTHCARE PROPERTY GROUP LLC	1
HEDRICK INDUSTRIES	9
HICKORY DAILY RECORD	1
HIGHWOODS JOINT VENTURE	1
HIGHWOODS PROP	37
HIGHWOODS REALTY LTD	1
HJH ASSOCIATES	1
HOME DEPOT USA INC	13
HOPE COMMUNITY CHURCH OF NC INC	1
HORNWOOD INC	4
HORRY COUNTY SCHOOL DISTRICT	3
HOSTED SOLUTIONS LLC	3
HOUSE OF RAEFORD FARMS INC	10
HULSING HOTELS INC	14
INGLES MARKETS	35

Non-Participant	Non-Participating Accounts
INN ON BILTMORE ESTATE INC	1
INTERCONTINENT FUND 3 REG LLC	2
INTERNATIONAL AUTO COMPONENTS GROUP NORTH AMERICA, INC	1
INTERNATIONAL BROADCAST BUREAU	1
INTERNATIONAL PAPER	7
INTERNATIONAL TEXTILE GROUP	2
INTERNATIONAL TRAY PADS & PKG	1
INTERROLL CORPORATION	1
INVISTA S A R L	5
J & D WOOD INC	3
J AND S RENTALS LLC	1
J P TAYLOR COMPANY LLC	4
J&J SNACK FOODS HANDHELDS CORP	2
JACKSONVILLE CITY OF	3
JACOB HOLM IND AMERICA INC	1
JIMMY JACKSON	1
JOHN Q HAMMONS HOTELS INC	1
JOHNSTON CO BOARD OF EDUCATION	4
JOHNSTON MEM HOSPITAL AUTH	1
JORDAN LUMBER & SUPPLY INC.	14
JOVC FOOD CORP INC	3
KAYSER ROTH CORPORATION	3
KENLI ENTERPRISES INC	1
KENNEDY HOME EASTERN	1
KIMLEY HORN & ASSOC INC	1
KLAUSSNER FURN IND	25
KMART CORP	14
KOHL'S DEPARTMENT STORES	1
KORDSA INC	3
KROGER CO	11
LAKE JUNALUSKA ASSEMBLY INC	2
LAKESIDE I OWNER CORP	1
LAKESIDE II OWNER CORP	1
LANCER INC	4
LEE BRICK & TILE CO D/I/P	2
LEE COUNTY	1
LEE COUNTY COURT HOUSE	1
LEE IRON & METAL CO	5
LENOVO INTERNATIONAL	2
LIBERTY HEALTHCARE SERVICES	1
LIFETIME FITNESS INC	1
LINCOLN HOMES HSING PROJ	1
LOCAL GOVERNMENT FED CREDIT UN	1
LOUISE WELLS CAMERON ART MUSEU	4
LOUISIANA-PACIFIC CORPORATION	1



## Appendix A - Continued

Non-Participant	Non-Participating Accounts
LOWER CAPE FEAR WATER & SEWER	1
LOWES FOOD STORE	31
LOWES HOME CENTERS INC	30
LOXCREEN CO INC	1
LUMBERTON ENERGY LLC	3
M ADLER'S SON, INC	2
MACEDONIA BAPTIST CHURCH	1
MACY'S INC	3
MAGNETI MARELLI USA INC	4
MANHATTEN AMERICAN	1
MARRIOTT CORP	4
MARTIN MARIETTA AGGREGATES SE	65
MATTHEWS & MATTHEWS INC	1
MAYVIEW CONVALESCENT HOME	1
MCDOWELL LUMBER CO INC	11
MCGILL ENVIRONMENTAL SYS OF NC	1
MCMURRAY FABRICS INC	7
MEADWESTVACO CONSUMER PACKAGING GROUP LLC	1
MEASUREMENTS GROUP INC	4
MEDICAL SPEC INC	1
MEMORIAL MISSION HOSPITAL INC	1
MEREDITH COLLEGE	6
MERTEK SOLUTIONS INC	2
MESTEK INC	3
METAL & MATERIALS PROCSNG LLC	1
METAL-CAD & STEEL FRAMING	1
METCHEM, LLC	1
METHODIST UNIVERSITY	40
METROPOLITAN SEWAGE DISTRICT	5
MHG ASHEVILLE AL LP	1
MILTON B CLAYTON	1
MINNESOTA MINING & MFG CO	4
MISSION HEALTH SYSTEM INC	17
MISSION ST JOSEPH HEALTH SYS	3
MISSION ST JOSEPH HOSPITAL	1
MITCHELL CO BD OF ED	3
MMIC-TL INC PARTNERS LLC	1
MOEN INC	3
MOORE COUNTY	2
MOORE COUNTY SCHOOLS	18
MOORE MACHINE COMPANY	5
MOUNTAIN PRODUCTS BRIDGEWE LLC	1
MOUNTAIRE FARMS INC	21
MURPHY BROWN LLC	1
MURRAY INVESTMENT CO	1

Non-Participant	Non-Participating Accounts
N C TELEVISION INC	1
NASH BRICK CO INC	2
NASH COMMUNITY COLLEGE	8
NASH COUNTY	3
NASH ROCKY MOUNT BD OF ED	17
NATIONAL SPINNING CO	6
NATIONAL WIPER ALLIANCE INC	2
NATURES EARTH PELLETS INC LLC	1
NATVAR	1
NC DEPT OF ADMINISTRATION	1
NC EDUCATION LOTTERY	1
NC FARM BUREAU FEDERATION	1
NC STATE FAIRGROUNDS	1
NC STATE UNIVERSITY	99
NC WILDLIFE COMMISSION	1
NEW HANOVER CO BD OF ED	19
NEW HANOVER CTY	1
NEW HANOVER REGIONAL MED CTR	7
NEW HOPE BAPTIST CH OF MONCURE	1
NEXANS INC	3
NG PURVIS FARMS INC	3
NOMACO INC	3
NOMACORC LLC	3
NORCRAFT COMPANIES LP	2
NORTH CAROLINA MFG CO INC	1
NOVARTIS VACCINES & DIAGNOSTIC	1
NOVOZYMES NORTH AMERICA INC	6
OBERLIN INVESTORS LLC	1
OFFICE OF INFOR TECH SVCS	4
OLDCASTLE LAWN & GARDEN INC	4
OLIVER RUBBER COMPANY	2
ONSLow CO BD OF EDUC	5
ORACLE AMERICA, INC	2
ORTHOWILMINGTON PA	1
OUTLET BROADCASTING INC	1
OXFORD UNIVERSITY PRESS INC	1
P G & C INC	2
PALM PARK INC	1
PARADIGM ANALYTICAL	1
PARK N SHOP FOOD MART INC	2
PARK PLACE 16 CINEMAS	1
PARKDALE MILLS	2
PATE DAWSON CO	1
PCS PHOSPHATE CO INC	1
PENDER MEMORIAL HOSPITAL INC	6

## Appendix A – Continued

Non-Participant	Non-Participating Accounts
PENTAIR WATER POOL AND SPA INC	9
PEPSI COLA	2
PEPSI COLA BOTTLING CO	1
PEPSI COLA OF WILMINGTON	2
PERDUE FARMS MIDWEST	24
PERFORMANCE FIBERS INC	4
PERGO LLC	4
PERSON CO BD OF ED	2
PETROLEUM TANK CO	2
PFIZER INC	1
PFRS GLENWOOD PLAZA CORP	1
PH HS LLC	1
PHILLIP L MARTIN	1
PHOENIX LTD PARTNERSHIP	1
PIEDMONT NATURAL GAS	2
PILKINGTON	1
PINEHURST LLC	92
PIONEER HI BRED INC	1
PLANTATION VILLAGE INC	11
PLASTEK IND INC (PA) NC	3
PLASTICARD PRODUCTS INC	1
PLASTICS COLOR CORP OF NC INC	3
PLASTICS INGENUITY	2
POLYMER GROUP INC	3
POLYSI TECHNOLOGIES INC	1
PORT CITY COMMUNITY CHURCH	3
POWERBOSS INC	3
PRAXAIR INC	2
PRC NC LLC	2
PREMIERE FIBERS INC	22
PRESTAGE FARMS INC	36
PRESTIGE FABRICATORS	3
PRESTON TAYLOR FOOD INC	2
PRINTLOGIC LLC	1
PRO PALLET SOUTH INC	1
PUBLIC SCHOOLS OF ROBESON CO	1
PUBLIC SERVICE CO OF NC	1
QUALCOMM INC	1
QUALITY TEXTILE SERVICES INC	1
RAEFORD CITY OF	1
RALEIGH CITY OF	22
RALEIGH DURHAM AIRPORT AUTHORITY	8
RALEIGH FITNESS & WELLNESS	1
RALEIGH HOTEL OWNER LLC	1
RALEIGH HOUSING AUTHORITY	2

Non-Participant	Non-Participating Accounts
RALEIGH PORTFOLIO NW LLC	1
RANDOLPH CO SR ADULTS ASSOC	1
RAVEN ANTENNA SYSTEMS INC	1
RDU CENTER PARTNERS LLC	1
RED HAT INC	1
REDDY ICE CORP	5
REGENCY PARK CORPORATION INC	2
REGENCY PARK OFFICE DEV LP	2
REGENCY PARKWAY CORP	1
RESIDENCE INN CRABTREE	2
RESINART EAST INC	1
REVLON CONSUMER PRODUCTS CORP	3
REX HEALTH CARE INC	18
REX MOB PARTNERS LLC	1
RICHMOND COUNTY	1
RICHMOND COUNTY SCHOOLS	1
RICHMOND SPECIALTY YARNS LLC	2
RIDGECREST CONFERENCE CENTER	54
ROBESON COUNTY DSS	1
ROCKINGHAM CITY OF	11
RODECO CO	2
ROSTRA PRECISION CT INC	2
ROYAL TEXTILE MILLS INC	1
RUBY'S PROPERTIES II LLC	2
RUSH FITNESS CORP	2
S T WOOTEN CORPORATION	18
SAGE & EVANS INC	1
SAINT GOBAIN CONTAINERS	4
SAINT MARY'S SCHOOL	1
SAMPSON REGIONAL MEDICAL CTR	3
SANDHILLS COMM COLLEGE	14
SANDHILLS REGIONAL MEDICAL CTR	2
SANFORD CITY OF	1
SANFORD LEE CO BD OF ED	15
SANFORD MILLING CO	2
SAPONA MFG CO INC	2
SAS INSTITUTE INC	26
SAVER GROUP INC	1
SCOTLAND CONTAINER INC	2
SCOTLAND MANUFACTURING	1
SEALED AIR CORP	4
SEARS ROEBUCK & CO	6
SENTRY FURNITURE LLC	1
SEPARATION TECHNOLOGIES LLC	2
SILER CITY TOWN OF	2

## Appendix A – Continued

Non-Participant	Non-Participating Accounts
SILVER LINE PLASTICS CORP	11
SINCLAIR BROADCAST GROUP INC	1
SKYLAND BEER DIST	3
SMITH S B & SON INC	6
SMITHFIELD PACKING CO INC	4
SNUG HARBOR MANAGEMENT LLC	1
SONA BLW PRECISION FORGE INC	3
SONOCO PRODUCTS SE	1
SOUTHCO INC OF NC	1
SOUTHEASTERN CONTAINER INC	1
SOUTHEASTERN REGIONAL MED CTR	4
SOUTHERN BAG CORP	2
SOUTHERN FABRICATORS INC	4
SOUTHERN PINES TOWN OF	2
SOUTHERN PRODUCE DIST INC	9
SOUTHERN PRODUCTS & SILICA CO	3
SOUTHERN STATES CHEMICAL INC	3
SPINRITE SERVICES INC	1
SPTBG HERALD JOURNAL	2
SPUNTECH INDUSTRIES INC	1
SPX FLOW TECHNOLOGY SYSTEMS	1
ST ANDREWS PRESBYTERIAN COLL	1
ST JOSEPH OF PINES INC	2
STALEY FABRICATORS INC	2
STAN JOHNSON & ASSOCIATES LLC	2
STANADYNE INC	2
STARPET INC	5
STEEL & PIPE CORP	2
STEVE WOODARD	1
STEVEN ROBERTS ORIGINAL	1
STI POLYMER INC	1
STONECREEK HEALTH & REHAB LLC	1
SUMMIT HOSPITALITY GROUP LTD	1
SUNBRIDGE REGENCY NC INC	2
SUNRISE OF RALEIGH INC	1
SUNRISE SENIOR LIVING	1
SUPERIOR CRANES INC	1
SUPERIOR MODULAR PRODUCT INC	3
SUPERIOR PLASTICS EXTRUSION	1
SUPERTEX, INC	4
SURGERY CENTER OF PINEHURST	1
SURTRONICS	2
SYRACUSE PLASTIC OF NC INC	1
TABOR CITY TOWN OF	1
TARGET STORES	17

Non-Participant	Non-Participating Accounts
TEAM MANUFACTURING INC	1
TEKNION STUDIO GROUP LLC	1
THE BILTMORE COMPANY	2
THE CHEESCAKE FACTORY INC	1
THE COUNTRY CLUB OF NC INC	1
THE HARRELSON BUILDING INC	1
THE QUARTZ CORP USA	17
THE VINTAGE COQUI LLC	1
THEO DAVIS SONS INC	3
THERAFIRM COMPRESSION PRODUCTS	1
THIRD & GRACE LLC	2
TINSLEY GROUP - P S & W INC	1
TIPPER TIE INC	3
TOP TOBACCO L P	2
TOWER ASSOCIATES INC	3
TOWN OF CARY	12
TOWN SQUARE WEST LLC	8
TRAMWAY VENEERS INC	1
TRANS CAROLINA PRODUCTS LLC	8
TREEHOUSE FOODS INC	6
TRIANGLE AQUATIC CENTER	1
TRIANGLE BRICK CO	6
TRIANGLE TOWN CENTER, LLC	10
TRINITY MANUFACTURING INC	5
TROY LUMBER CO	13
TROY POLYMER INC	1
TSO FAYETTEVILLE LLC	2
TURN BULL LUMBER COMPANY	1
TYCO ELECTRONICS	3
TYCO HEALTHCARE GROUP LP	13
TYSON FOODS MW	3
U S REIF 4700 FALLS NC LLC	1
UCHIYAMA AMERICA INC	3
UMICORE AUTOCATALYST RECYCLING	2
UNC - CHAPEL HILL	3
UNC AT ASHEVILLE	1
UNC PUBLIC TV OF NC	1
UNCW	7
UNILEVER MANUFACTURING US INC	7
UNILIN US MDF	3
UNIMIN CORPORATION	48
UNITED STATES COLD STORAGE	5
UNIVERSAL LEAF NORTH AMERICA	2
UNIVERSITY OF NC AT PEMBROKE	15
UNIVERSITY RESEARCH UNIT	1

## Appendix A – Continued

Non-Participant	Non-Participating Accounts
US ARMY FORT BRAGG	3
US DEPT OF AIR FORCE	1
US DEPT OF COMMERCE NOAA	10
US FLUE CURED TOBACCO GROWERS	6
US MARINE CORP	17
US POST OFFICE	5
US VETERANS ADMIN HOSPITAL	3
USS NC BATTLESHIP COMM	3
UWHARRIE LUMBER CO	3
VALLEY PROTEINS INC	11
VANCE CO COURTHOUSE	1
VANCE GRANVILLE COMM COLLEGE	1
VENEER TECHNOLOGIES INC	11
VENTURE CENTER LLC	4
VONDREHLE CORP	6
VULCAN CONST MATERIALS LP	26
W N WILDER INC	1
WADESBORO IGA FOODLINER INC	1
WAKE CO HOSP SYSTEM INC	6
WAKE COUNTY BOARD OF EDUCATION	260
WAKE COUNTY GENERAL SERVICES	13
WAKE STONE CORP	17
WAKEMED PROPERTY SERVICES	13
WALMART STORES INC	62
WAMPLER LONGACRES INC	3
WARP TECHNOLOGIES INC	1
WARREN CO BD OF ED	5
WASTE MANAGEMENT INC	2
WAYNE CO PUBLIC SCHOOLS	4
WAYNE COMMUNITY COLLEGE	1
WAYNE COUNTY	5
WAYNE MEMORIAL HOSPITAL INC	12
WAYNESVILLE TOWN OF	1
WELSH PAPER COMPANY	2
WEST CRAVEN HIGH SCHOOL	4
WEST CRAVEN MIDDLE SCHOOL	1
WESTERN WAKE MEDICAL CENTER	1
WESTFIELD INDEPENDENCE MALL LP	7
WEYERHAEUSER CO	7
WHOLE FOODS MARKET MW	1
WILLIAM BARNET & SON INC	5
WILMINGTON HOTEL ASSOC CORP	2
WILMINGTON INTL AIRPORT	2
WILMINGTON MACHINERY INC	1
WILSONART INTERNATIONAL	3

Non-Participant	Non-Participating Accounts
WLT MATTHEWS INC	1
WNC AVIATION LLC	1
WRDC LLC	1
WRIGHT MACHINE & TOOL CO INC	1
WYETH VACCINES	8
WYNDHAM V DENNISON	1
YMCA OF WESTERN NORTH CAROLINA	2
YMCA OF WILMINGTON INC	3

## Appendix B: Program Participants Changing Opt-Out Status

BARNHARDT MFG CO  
CARTERET CO BD OF ED  
HOME DEPOT USA INC  
MAYVIEW CONVALESCENT HOME  
NOF INC  
PALM PARK INC  
SOUTHERN PRODUCE DIST INC  
USS NC BATTLESHIP COMM  
BARNHARDT MFG CO  
CARTERET CO BD OF ED

## Appendix C: Allocation Factors

Allocation Factors Applicable to Test and Prospective Periods:

Program / Measure - (April 2013)	North Carolina
<b>Demand-Side Management (DSM)</b>	
CIG DR	86.63%
EnergyWise™	86.63%
<b>Energy Efficiency Programs (EE)</b>	
DSDR Implementation	85.92%
Res Home Advantage	85.92%
Res Home Energy Improve.	85.92%
Residential Low Income-NES	85.92%
CIG Energy Efficiency	85.92%
Solar Hot Water Heating Pilot	85.92%
Lighting (Residential)	85.92%
Lighting (General Service)	85.92%
Res Appliance Recycling	85.92%
Residential EE Benchmarking	85.92%
Small Business Energy Saver	85.92%
Residential New Construction	85.92%

**Appendix C – Continued**

Allocation Factors Applicable to Test and Prospective Periods:

Program / Measure - (May 2013 through April 2014)	North Carolina
<b>Demand-Side Management (DSM)</b>	
CIG DR	86.47%
EnergyWise™	86.47%
<b>Energy Efficiency Programs (EE)</b>	
DSDR Implementation	86.06%
Res Home Advantage	86.06%
Res Home Energy Improve.	86.06%
Residential Low Income-NES	86.06%
CIG Energy Efficiency	86.06%
Solar Hot Water Heating Pilot	86.06%
Lighting (Residential)	86.06%
Lighting (General Service)	86.06%
Res Appliance Recycling	86.06%
Residential EE Benchmarking	86.06%
Small Business Energy Saver	86.06%
Residential New Construction	86.06%

**Appendix C – Continued**

Allocation Factors Applicable to the Prospective and Rate Periods:

Program / Measure - (May 2014 through November 2015)	North Carolina
<b>Demand-Side Management (DSM)</b>	
CIG DR	85.68%
EnergyWise™	85.68%
<b>Energy Efficiency Programs (EE)</b>	
DSDR Implementation	85.57%
Residential Home Advantage	85.57%
Residential Home Energy Improvement	85.57%
Residential Low Income-NES	85.57%
CIG Energy Efficiency	85.57%
Solar Hot Water Heating Pilot	85.57%
Lighting (Residential)	85.57%
Lighting (General Service)	85.57%
Residential Appliance Recycling	85.57%
Residential EE Benchmarking	85.57%
Small Business Energy Saver	85.57%
Residential New Construction	85.57%

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## Appendix D: Savings By Measure

Incremental Test Period Activity (April 1, 2013 through March 31, 2014)

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Filing Requirements

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	No. of Premises	kWh Savings	kW Savings
<b>EnergyWise<sup>SM</sup></b>			
AC Direct Load Control	13,776	NA	37,158
HP Strip Heater Direct Load Control	627	NA	1,319
Water Heater Direct Load Control	919	NA	209
EnergyWise <sup>SM</sup> Total	15,322	NA	38,686
<b>CIG Demand Response</b>	-	NA	1,536
<b>Residential Home Energy Improvement</b>			
ASHP HVAC Replacement	4,711	1,673,529	1,758
Furnace/AC HVAC Replacement	1,843	473,856	722
Geothermal HVAC Replacement	57	117,645	46
Duct Testing/Repair	2,538	577,963	425
HVAC Level 1 Tune Up	-	-	-
Insulation/Air Sealing	600	230,552	107
Window Replacement	-	1,901	1
Room Air Conditioner	265	31,878	26
Heat Pump Water Heater	111	263,631	46
HVAC Level 2 Tune Up	3,410	486,049	417
Residential HEIP Total	13,535	3,857,004	3,548
<b>Residential Low Income - NES</b>	4,411	1,766,083	232
<b>Lighting Program (installed bulbs)</b>	5,495,717	184,637,618	28,961
<b>Residential Appliance Recycling</b>	8,574	4,699,771	523
<b>Residential Energy Efficiency Benchmarking</b>	(12,166)	(6,382,466)	(1,146)
<b>CIG Energy Efficiency</b>			
Prescriptive Lighting	834	44,571,903	12,637
Prescriptive HVAC	95	722,230	454
Prescriptive Motor	-	335	0
Prescriptive Refrigeration	119	1,159,306	52
Custom Measure	326	15,952,909	3,582
Technical Assistance	21	NA	NA
CIG Energy Efficiency Total	1,395	62,406,683	16,725
<b>Small Business Energy Saver</b>			
CFL Screw In	268	458,062	92
High Performance T5/T8	973	3,364,299	3,634
LED Exit Sign	228	107,022	30
LED Hardwire	209	133,808	348
LED Screw IN	324	472,644	274
Metal Halide	1	3,881	1
T5/T8 Fixture	220	2,205,109	572
Anti-Sweat Heater Control	2	481	1
EC Motor for Walk-in	3	3,735	2
Evaporator Fan Control	3	2,209	1
Small Business Energy Saver Total	2,231	6,751,248	4,954
<b>Residential Home Advantage (inactive)</b>	-	-	-
<b>Residential Solar Water Heating Pilot (inactive)</b>	-	-	-
<b>Residential CFL Pilot Program (inactive)</b>	-	-	-
<b>Summary Totals</b>	5,529,019	257,735,941	94,020

## Appendix E: Total Resource Cost Evaluation Results

	TRC B/C Ratio
<b>Vintage Year 2013 (Calendar year 2013 - Actual)</b>	
CIG- Demand Response Program	35.9
EnergyWise <sup>SM</sup>	27.8
Residential Home Advantage	1.0
Residential Home Energy Improvement	0.9
Lighting Program (Residential)	2.4
Lighting Program (General Service)	4.7
Residential Appliance Recycling	2.2
Energy Efficiency for Business	2.8
Residential Benchmarking Program	1.6
Residential New Construction	0.8
Small Business Energy Saver	0.6
Residential Low Income	0.5
	TRC B/C Ratio
<b>Vintage Year 2014 (Calendar year 2014 - Estimate)</b>	
CIG-Demand Response Program	40.6
EnergyWise <sup>SM</sup>	32.0
Residential Home Energy Improvement	0.88
Lighting Program (Residential)	2.7
Lighting Program (General Service)	4.8
Residential Appliance Recycling	1.7
Energy Efficiency for Business	3.3
Residential Benchmarking Program	1.4
Residential New Construction Program	1.1
Small Business Energy Saver	0.5
Residential Low Income	0.4

## Appendix F: Workpapers

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DUKE ENERGY PROGRESS, INC

# **Demand Side Management and Energy Efficiency Programs**

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# **Workpapers**

Docket No: E-2, Sub 1044

# Workpapers

## Section A – Cost Summary & Rate Development (Exhibits)

# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## A. Test Period

	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(13)			ΣCols(14)thru(16)	
<b>NC DSM Program Expenses</b>																		
1	CIG DR			1,303,332	130,333	-	400,247							530,580	-	109,328	639,908	
2	EnergyWise			8,540,580	854,058	-	3,503,952							4,358,010	-	2,222,225	6,580,235	
3	Total DSM			9,843,912	984,391	-	3,904,199							4,888,590	-	2,331,553	7,220,143	
4	DSM Assigned A&G and CCost		627,843	627,843		209,281	663,571					1,465,657	650,745	2,989,254			2,989,254	
5	Total DSM and Assigned Costs		627,843	10,471,755	984,391	209,281	4,567,770					1,465,657	650,745	7,877,844	-	2,331,553	10,209,397	
<b>NC EE Program Expenses</b>																		
6	Res Home Advantage	4,955		4,955	496	-	414,884							415,380	12,281	176,476	604,137	
7	Res Home Energy Improvem't	4,324,589		4,324,589	432,459	-	2,250,838							2,683,297	214,590	311,107	3,208,994	
8	Residential Low Income	1,627,553		1,627,553	162,755	-	637,967							800,722	84,773	-	885,495	
9	Solar Hot Water Pilot			-	-	-	39,343							39,343	-	-	39,343	
10	Lighting (Res)*	9,476,727		9,476,727	1,895,345	-	3,837,528							5,732,873	4,820,155	2,071,131	12,624,159	
11	Res Appliance Recycling	1,159,171		1,159,171	115,917	-	380,142							496,059	139,441	109,432	744,932	
12	EE Benchmarking*	372,925		372,925	372,925	-	-							372,925	552,638	127,551	1,053,114	
13	Residential New Construction	2,499,339		2,499,339	249,934	-	88,445							338,379	56,503	-	394,882	
14	Home Depot CFL			-	-	-	34,012							34,012	-	-	34,012	
15	Subtotal-Residential	19,465,259		19,465,259	3,229,831	-	7,683,159							10,912,990	5,880,380	2,795,697	19,589,067	
16	CIG Energy Efficiency	6,859,194		6,859,194	685,919	-	2,721,771							3,407,690	2,486,542	2,622,623	8,516,855	
17	Lighting (Gen Svc)*	1,150,981		1,150,981	230,196	-	417,783							647,979	1,934,390	526,076	3,108,445	
18	Small Business Energy Saver	3,845,808		3,845,808	384,581	-	71,944							456,525	132,062	-	588,587	
19	Subtotal-General Service	11,855,983		11,855,983	1,300,696	-	3,211,498							4,512,194	4,552,994	3,148,699	12,213,887	
20	Total of EE Programs	31,321,242		31,321,242	4,530,527	-	10,894,657							15,425,184	10,433,374	5,944,396	31,802,953	
21	EE Assigned A&G and CCost		1,946,002	1,946,002		648,667	1,486,522					3,189,638	1,417,414	6,742,241			6,742,241	
22	Total EE and Assigned Costs	31,321,242	1,946,002	33,267,244	4,530,527	648,667	12,381,179					3,189,638	1,417,414	22,167,425	10,433,374	5,944,396	38,545,194	
<b>NC DSDR Program Expenses</b>																		
23	DSDR Program	5,379,251	919,685	6,298,936	629,894	-	2,546,647	8,786,856	4,082,119	592,724	9,927,879			26,566,119	-	-	26,566,119	
24	DSDR Assigned A&G and CCost			-	-	-	(1,002)					927,646	412,046	1,338,690			1,338,690	
25	Total DSDR and Assigned Costs	5,379,251	919,685	6,298,936	629,894	-	2,545,645	8,786,856	4,082,119	592,724	9,927,879	927,646	412,046	27,904,809	-	-	27,904,809	
26	Test Period Totals	46,544,405	919,685	2,573,845	50,037,935	6,144,812	857,948	19,494,594	8,786,856	4,082,119	592,724	9,927,879	5,582,941	2,480,205	57,950,078	10,433,374	8,275,949	76,659,401

\* Lighting Program is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

W/P D-2

W/P D-1

# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## B. Prospective Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																	
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
				ΣCols(1) thru(3)	((1)+(2))/10	(3)/3								ΣCols(5) thru(13)			ΣCols(14) thru(16)
<b>NC DSM Program Expenses</b>																	
1	CIG DR		-	654,053	65,405	-								65,405	-	-	65,405
2	EnergyWise		-	2,362,678	236,268	-								236,268	-	-	236,268
3	Total DSM		-	3,016,731	301,673	-								301,673	-	-	301,673
4	DSM Assigned A&G and CCost		301,200	301,200		100,400						516,491	233,459	850,350			850,350
5	Total DSM and Assigned Costs		301,200	3,317,931	301,673	100,400						516,491	233,459	1,152,023			1,152,023
<b>NC EE Program Expenses</b>																	
6	Res Home Advantage		-	1,995	200	-								200	1,468	-	1,668
7	Res Home Energy Improvem't		-	1,843,484	184,348	-								184,348	87,807	-	272,155
8	Residential Low Income		-	625,608	62,561	-								62,561	49,173	-	111,734
9	Solar Hot Water Pilot		-	-	-	-								-	-	-	-
10	Lighting (Res)*		-	1,558,369	311,674	-								311,673	2,145,090	-	2,456,763
11	Res Appliance Recycling		-	427,345	42,735	-								42,735	129,324	-	172,059
12	EE Benchmarking*		-	238,829	238,829	-								238,829	-	-	238,829
13	Residential New Construction		-	1,959,360	195,936	-								195,936	-	-	195,936
14	Home Depot CFL		938,308	938,308	-	312,769								312,769	-	-	312,769
15	Subtotal-Residential		938,308	7,593,298	1,036,283	312,769								1,349,051	2,412,863	-	3,761,914
16	CIG Energy Efficiency		-	2,707,314	270,731	-								270,731	1,480,623	-	1,751,354
17	Lighting (Gen Svc)*		-	189,269	37,854	-								37,854	855,362	-	893,216
18	Small Business Energy Saver		-	2,136,761	213,676	-								213,676	100,711	-	314,387
19	Subtotal-General Service		-	5,033,344	522,261	-								522,261	2,436,697	-	2,958,958
20	Total of EE Programs		938,308	12,626,642	1,558,544	312,769								1,871,312	4,849,560	-	6,720,872
21	EE Assigned A&G and CCost		-	-	-	-						1,199,943	542,386	1,742,329			1,742,329
22	Total EE and Assigned Costs		938,308	12,626,642	1,558,544	312,769						1,199,943	542,386	3,613,641	4,849,560	-	8,463,201
<b>NC DSDR Program Expenses</b>																	
23	DSDR Program	309,691	-	1,703,478	170,348	-		2,764,766	1,249,702	213,492	3,422,800			7,821,108	-	-	7,821,108
24	DSDR Assigned A&G and CCost		-	-	-	-						322,228	145,650	467,878			467,878
25	Total DSDR and Assigned Costs	309,691	-	1,703,478	170,348	-		2,764,766	1,249,702	213,492	3,422,800	322,228	145,650	8,288,986	-	-	8,288,986
26	Prospective Period Totals	309,691	1,239,508	17,648,051	2,030,565	413,169		2,764,766	1,249,702	213,492	3,422,800	2,038,662	921,495	13,054,650	4,849,560	-	17,904,210

\* Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

W/P D-2



# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## C. Prior Prospective Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																		
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(13)			ΣCols(14)thru(16)	
April 2013 through July 2013																		
<b>NC DSM Program Expenses</b>																		
1	CIG DR	Per Books	310,874	-	310,874	31,087	-							31,087	-	-	31,087	
2	EnergyWise	Per Books	2,469,403	-	2,469,403	246,940	-							246,940	-	-	246,940	
3	Total DSM	Σ Lines 1 thru 2	2,780,277	-	2,780,277	278,027	-							278,027	-	-	278,027	
4	DSM Assigned A&G and CCost	Per Books	-	190,440	190,440	63,480	-					514,640	215,338	793,458	-	-	793,458	
5	Total DSM and Assigned Costs	Σ Lines 3 thru 4	2,780,277	190,440	2,970,717	278,027	63,480					514,640	215,338	1,071,485	-	-	1,071,485	
<b>NC EE Program Expenses</b>																		
6	Res Home Advantage	Per Books	1,843	-	1,843	184	-							184	69,323	-	69,507	
7	Res Home Energy Improvem't	Per Books	1,545,037	-	1,545,037	154,504	-							154,504	142,418	-	296,922	
8	Residential Low Income	Per Books	495,607	-	495,607	49,561	-							49,561	66,939	-	116,500	
9	Solar Hot Water Pilot	Per Books	-	-	-	-	-							-	-	-	-	
10	Lighting (Res)*	Per Books (allocated)	2,629,475	-	2,629,475	525,895	-							525,895	2,075,381	-	2,601,276	
11	Res Appliance Recycling	Per Books	393,059	-	393,059	39,306	-							39,306	137,831	-	177,137	
12	EE Benchmarking*	Per Books	225,933	-	225,933	225,933	-							225,933	-	-	225,933	
13	Residential New Construction	Per Books	482,248	-	482,248	48,225	-							48,225	8,490	-	56,715	
14	Home Depot CFL	Per Books	-	-	-	-	-							-	-	-	-	
15	Subtotal-Residential	Σ Lines 6 thru 14	5,773,202	-	5,773,202	1,043,608	-							1,043,608	2,500,383	-	3,543,991	
16	CIG Energy Efficiency	Per Books	2,138,723	-	2,138,723	213,872	-							213,872	1,065,713	-	1,279,585	
17	Lighting (Gen Svc)*	Per Books (allocated)	319,359	-	319,359	63,872	-							63,872	862,170	-	926,042	
18	Small Business Energy Saver	Per Books	477,025	-	477,025	47,703	-							47,703	20,741	-	68,444	
19	Subtotal-General Service	Σ Lines 16 thru 18	2,935,107	-	2,935,107	325,447	-							325,447	1,948,624	-	2,274,071	
20	Total of EE Programs	Lines 15 + 19	8,708,309	-	8,708,309	1,369,055	-							1,369,055	4,449,007	-	5,818,062	
21	EE Assigned A&G and CCost	Per Books	-	589,855	589,855	196,618	-					1,086,810	454,904	1,738,332	-	-	1,738,332	
22	Total EE and Assigned Costs	Lines 20 + 21	8,708,309	589,855	9,298,164	1,369,055	196,618					1,086,810	454,904	3,107,387	4,449,007	-	7,556,394	
<b>NC DSDR Program Expenses</b>																		
23	DSDR Program	Per Books	1,801,174	302,869	2,104,043	210,404	-	3,074,826	1,466,449	192,269	3,198,577			8,142,525	-	-	8,142,525	
24	DSDR Assigned A&G and CCost	Per Books	-	-	-	-	-					321,468	134,531	455,999	-	-	455,999	
25	Total DSDR and Assigned Costs	Σ Lines 23 thru 24	1,801,174	302,869	2,104,043	210,404	-	3,074,826	1,466,449	192,269	3,198,577	321,468	134,531	8,598,524	-	-	8,598,524	
26	Prior Prospective Period Totals	Lines 5 + 22 + 25	13,289,760	302,869	780,295	14,372,924	1,857,486	260,098	3,074,826	1,466,449	192,269	3,198,577	1,922,918	804,773	12,777,396	4,449,007	-	17,226,403

\* Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

Values from Evans Rebuttal Exhibit No. 1,  
page 1 of 5, filed in Docket No. E-2, Sub 1030

# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## D. EMF Revenue Requirements

Test Period + Prospective Period - Prior Prospective Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																		
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(13)			ΣCols(14)thru(16)	
Aug 2013 through July 2014																		
<b>NC DSM Program Expenses</b>																		
1	CIG DR		-	1,646,511	164,651	-	400,247							564,898	-	109,328	674,226	
2	EnergyWise		-	8,433,855	843,386	-	3,503,952							4,347,338	-	2,222,225	6,569,563	
3	Total DSM		-	10,080,366	1,008,037	-	3,904,199							4,912,236	-	2,331,553	7,243,789	
4	DSM Assigned A&G and CCost		738,603	738,603	-	246,201	663,571					1,467,508	668,866	3,046,146	-	-	3,046,146	
5	Total DSM and Assigned Costs		738,603	10,818,969	1,008,037	246,201	4,567,770					1,467,508	668,866	7,958,382	-	2,331,553	10,289,935	
<b>NC EE Program Expenses</b>																		
6	Res Home Advantage	5,107	-	5,107	512	-	414,884							415,396	(55,574)	176,476	536,297	
7	Res Home Energy Improvem't	4,623,036	-	4,623,036	462,303	-	2,250,838							2,713,141	159,979	311,107	3,184,227	
8	Residential Low Income	1,757,554	-	1,757,554	175,755	-	637,967							813,722	67,007	-	880,729	
9	Solar Hot Water Pilot	-	-	-	-	-	39,343							39,343	-	-	39,343	
10	Lighting (Res)*	8,405,621	-	8,405,621	1,681,124	-	3,837,528							5,518,652	4,889,864	2,071,131	12,479,647	
11	Res Appliance Recycling	1,193,457	-	1,193,457	119,346	-	380,142							499,488	130,934	109,432	739,854	
12	EE Benchmarking*	385,821	-	385,821	385,821	-	-							385,821	552,638	127,551	1,066,010	
13	Residential New Construction	3,976,451	-	3,976,451	397,645	-	88,445							486,090	48,012	-	534,102	
14	Home Depot CFL	-	938,308	938,308	-	312,769	34,012							346,781	-	-	346,781	
15	Subtotal-Residential	20,347,047	-	938,308	21,285,355	3,222,506	312,769	7,683,159						11,218,434	5,792,860	2,795,697	19,806,991	
16	CIG Energy Efficiency	7,427,785	-	7,427,785	742,778	-	2,721,771							3,464,549	2,901,452	2,622,623	8,988,624	
17	Lighting (General Service)*	1,020,891	-	1,020,891	204,178	-	417,783							621,961	1,927,582	526,076	3,075,619	
18	Small Business Energy Saver	5,505,544	-	5,505,544	550,554	-	71,944							622,498	212,032	-	834,530	
19	Subtotal-General Service	13,954,220	-	13,954,220	1,497,510	-	3,211,498							4,709,008	5,041,067	3,148,699	12,898,773	
20	Total of EE Programs	34,301,267	-	938,308	35,239,575	4,720,016	312,769	10,894,657						15,927,442	10,833,926	5,944,396	32,705,764	
21	EE Assigned A&G and CCost	-	1,356,147	1,356,147	-	452,049	1,486,522					3,302,771	1,504,896	6,746,238	-	-	6,746,238	
22	Total EE and Assigned Costs	34,301,267	2,294,455	36,595,722	4,720,016	764,818	12,381,179					3,302,771	1,504,896	22,673,680	10,833,926	5,944,396	39,452,002	
<b>NC DSDR Program Expenses</b>																		
23	DSDR Program	4,971,864	926,507	-	5,898,371	589,838	-	2,546,647	8,476,796	3,865,372	613,947	10,152,102	-	26,244,702	-	-	26,244,702	
24	DSDR Assigned A&G and CCost	-	-	-	-	-	(1,002)	-	-	-	-	928,406	423,165	1,350,569	-	-	1,350,569	
25	Total DSDR and Assigned Costs	4,971,864	926,507	-	5,898,371	589,838	-	2,545,645	8,476,796	3,865,372	613,947	10,152,102	928,406	27,595,271	-	-	27,595,271	
26	EMF Period Totals	49,353,497	926,507	3,033,058	53,313,062	6,317,891	1,011,019	19,494,594	8,476,796	3,865,372	613,947	10,152,102	5,698,685	2,596,927	58,227,333	10,833,926	8,275,949	77,337,208

\* Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

Section D Values Equal the Sum of  
Section A and  
Section B Values Less  
Section C Values

# North Carolina Retail - DSM/EE Revenue Requirements Summary

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## E. Rate Period

NORTH CAROLINA JURISDICTIONALLY ALLOCATED RETAIL COSTS ONLY																		
	O&M	Insurance	A&G Expense	Capitalized O&M and A&G	Amortization of Capitalized O&M	Amortization of Capitalized A&G	Prior Period Amortization	DSDR Capital Costs	Income Taxes on DSDR Capital Costs	DSDR Property Taxes	DSDR Depreciation	Carrying Costs Net of Taxes	Income Taxes on Carrying Cost	Rev Reqmt Before PPI & NLR	Net Lost Revenue Recoupment	Program Performance Incentive	Rev Reqmt With PPI & NLR	
	(1)	(2)	(3)	(4)	(5)	(6)		(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
				ΣCols(1)thru(3)	((1)+(2))/10	(3)/3								ΣCols(5)thru(15)			ΣCols(16)thru(18)	
December 2014 through November 2015																		
<b>NC DSM Program Expenses</b>																		
1	CIG DR		-	1,635,759	163,576	-	565,501					-	-	729,077	-	127,983	857,060	
2	EnergyWise		-	8,584,407	858,441	-	4,349,516					-	-	5,207,957	-	2,418,732	7,626,689	
3	Total DSM		-	10,220,166	1,022,017	-	4,915,017					-	-	5,937,034	-	2,546,714	8,483,748	
4	DSM Assigned A&G and CCost			920,592	920,592	306,864	910,763					2,430,765	919,995	4,568,387	-	-	4,568,387	
5	Total DSM and Assigned Costs			10,220,166	11,140,758	1,022,017	306,864	5,825,780				2,430,765	919,995	10,505,421	-	2,546,714	13,052,135	
<b>NC EE Program Expenses</b>																		
6	Res Home Advantage		-	6,150	615	-	415,396					-	-	416,011	4,367	176,476	596,853	
7	Res Home Energy Improvem't		-	5,283,602	528,360	-	2,714,197					-	-	3,242,557	421,033	311,107	3,974,697	
8	Residential Low Income		-	1,938,074	193,807	-	814,081					-	-	1,007,888	247,574	-	1,255,462	
9	Solar Hot Water Pilot		-	-	-	-	39,343					-	-	39,343	-	-	39,343	
10	Lighting (Res)*		-	5,067,895	1,013,579	-	5,520,437					-	-	6,534,016	8,961,941	2,303,697	17,799,655	
11	Res Appliance Recycling		-	1,319,182	131,918	-	499,732					-	-	631,650	630,832	129,912	1,392,394	
12	EE Benchmarking*		-	-	-	-	-					-	-	-	-	211,846	211,846	
13	Residential New Construction		-	6,627,630	662,763	-	487,212					-	-	1,149,975	567,306	41,355	1,758,637	
14	Home Depot CFL		-	-	-	-	34,012					-	-	34,012	-	-	34,012	
15	Subtotal-Residential		-	20,242,533	2,531,042	-	10,524,410					-	-	13,055,452	10,833,053	3,174,394	27,062,900	
16	CIG Energy Efficiency		-	8,426,999	842,700	-	3,466,100					-	-	4,308,800	7,493,425	3,362,077	15,164,302	
17	Lighting (General Service)*		-	615,513	123,103	-	622,178					-	-	745,281	3,567,309	585,307	4,897,898	
18	Small Business Energy Saver		-	6,486,939	648,694	-	623,722					-	-	1,272,416	556,984	-	1,829,400	
	Subtotal-General Service		-	15,529,451	1,614,497	-	4,712,000					-	-	6,326,497	11,617,718	3,947,385	21,891,600	
19	Total of EE Programs		-	35,771,984	4,145,539	-	15,236,410					-	-	19,381,949	22,450,772	7,121,779	48,954,500	
20	EE Assigned A&G and CCost			2,867,852	2,867,852	955,951	2,252,930					4,479,205	2,024,646	9,712,732	-	-	9,712,732	
21	Total EE and Assigned Costs			35,771,984	38,639,836	4,145,539	17,489,340					4,479,205	2,024,646	29,094,681	22,450,772	7,121,779	58,667,232	
<b>NC DSDR Program Expenses</b>																		
22	DSDR Program		932,872	5,206,819	520,682	-	3,136,865	7,869,064	3,556,896	640,476	10,268,400			25,992,383	-	-	25,992,383	
23	DSDR Assigned A&G and CCost		-	-	-	-	(1,002)					1,028,108	464,715	1,491,821	-	-	1,491,821	
24	Total DSDR and Assigned Costs		932,872	5,206,819	520,682	-	3,135,863	7,869,064	3,556,896	640,476	10,268,400	1,028,108	464,715	27,484,204	-	-	27,484,204	
25	Rate Period Totals		932,872	3,788,444	54,987,413	5,688,238	1,262,815	26,450,983	7,869,064	3,556,896	640,476	10,268,400	7,938,078	3,409,356	67,084,306	22,450,772	9,668,494	99,203,571

\* Residential Lighting is recoverable over a 5 year period. EE Benchmarking program is recoverable over a 1 year period. All other EE programs are over 10 years.

W/P D-2      W/P D-1

**DUKE ENERGY PROGRESS, INC.**  
Annual Sales for NC Customers Opting-Out for DSM/EE Rate<sup>1</sup>  
Annual Sales for the Year Ended March 31, 2014

<u>Rate Class</u>	<u>Opt-Out KWHs</u>
Residential	-
General Service	11,046,437,784
<u>Lighting</u>	<u>14,112,903</u>
Total Opt-Out Sales	11,060,550,687

<sup>1</sup> Actual Opt-Out volumes for the twelve-months ending March 31, 2014.

W/P R-2

DUKE ENERGY PROGRESS, INC.

Energy Allocation Factors - Applicable to EE Program Costs

North Carolina Rate Class Energy Allocation Factors

<u>Rate Class</u>	<u>Total NC Rate Class Sales (MWhrs) <sup>(1)</sup></u> (1)	<u>Opt-Out Sales<sup>(2)</sup></u> (2)	<u>Adjusted NC Rate Class MWhr Sales</u> (3) = (1) - (2)	<u>Rate Class Energy Allocation Factor</u> (4) = (3) / NC Total in Column 3
Residential	15,779,909	-	15,779,909	62.203%
General Service	20,233,663	11,046,438	9,187,225	36.215%
Lighting	415,464	14,113	401,351	1.582%
NC Retail	36,429,036	11,060,551	25,368,485	100.000%
W/P R-2				

**NOTES:**

- (1) Total NC Rate Class Sales (MWhrs) are for the forecasted year ending November 2015.
- (2) Opt-Out sales are provided in Evans Supplemental Exhibit No. 2. Since sales are not forecasted by individual customer, historic opt-out sales are assumed to be unchanged during the rate recovery period.

DUKE ENERGY PROGRESS, INC.

Demand Allocation Factors - Applicable to DSM Programs

North Carolina Rate Class Demand Allocation Factors

Rate Class	Total NC Rate Class Sales <sup>(1)</sup> (1)	Sales Subject to Opt-Out <sup>(2)</sup> (2)	Rate Class Demand <sup>(3)</sup> (3)	Revised Rate Class Demand (4) = ((1 - 2) / 1) * 3 (4)	Rate Class Allocation Factor (5) = (4)/Total of Column 4 (5)
Residential	15,779,909	-	3,571,470	3,571,470	68.259%
General Service	20,233,663	11,046,438	3,657,609	1,660,761	31.741%
Lighting	415,464	14,113	0	0	0.000%
NC Retail	36,429,036	11,060,551	7,229,079	5,232,231	100.000%

W/P B-5B

**NOTES:**

- (1) Total NC Rate Class Sales (MWHrs) are for the forecasted year ended November 2015.
- (2) Opt-Out sales are provided in Evans Supplemental Exhibit No. 2
- (3) The CP demands are based on the 2013 Coincident Peak occurring on August 12 during the hour ended at 1600 EDT.

DUKE ENERGY PROGRESS, INC.  
Energy Efficiency Rate Derivation

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NC Rate Class	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup>	Rate Class Energy Allocation Factor <sup>(2)</sup>	EE Revenue Requirements						
			Residential Programs <sup>(3)</sup>	CIG Programs <sup>(4)</sup>	DSDR <sup>(5)</sup>	Non-DSDR Allocated A&G and Carrying Costs <sup>(6)</sup>	DSDR Allocated A&G and Carrying Costs <sup>(7)</sup>	Total of Allocated Costs <sup>(8) = Σ (3 thru 7)</sup>	Total EE Rate <sup>(9) = (8) / (1)</sup>
Residential	15,779,908,739	62.20%	\$27,062,900	\$0	\$16,167,990	\$6,542,382	\$927,954	\$50,701,226	\$0.003213
General Service	9,187,225,472	36.22%	\$0	\$21,891,600	\$9,413,171	\$3,170,350	\$540,265	\$35,015,385	\$0.003811
Lighting	401,351,242	1.58%	\$0	\$0	\$411,222	\$0	\$23,602	\$434,824	\$0.001083
NC Retail	25,368,485,453	100%	\$27,062,900	\$21,891,600	\$25,992,383	\$9,712,732	\$1,491,821	\$86,151,436	\$0.003396

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Energy Allocation Factor is derived in Evans Supplemental Exhibit No. 3, column (4).
- (3) Residential Program costs are allocated solely to Residential Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG EE, Lighting, and Small Business Energy Saver costs are allocated solely to General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) DSDR Costs allocated using Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives).
- (7) DSDR A&G Costs and Carrying Costs are allocated using Rate Class Energy Allocation Factor from column (2).
- (8) Estimated EE Overcollections (from Aug-14 through Nov-14)

## DUKE ENERGY PROGRESS, INC.

### Demand Side Management Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup> (1)	Rate Class Demand Allocation Factor <sup>(2)</sup> (2)	DSM Revenue Requirements					Total of Allocated Costs (7) = Σ (3 thru 6)	Total DSM Rate (8) = (7) / (1)
			EnergyWise Program Costs <sup>(3)</sup> (3)	CIG DR Program <sup>(4)</sup> (4)	Allocated A&G Costs <sup>(5)</sup> (5)	Allocated Carrying Costs <sup>(5)</sup> (6)			
Residential	15,779,908,739	68.26%	\$7,626,689	\$0	\$1,068,101	\$2,939,281	\$11,634,071	\$0.000737	
General Service	9,187,225,472	31.74%	\$0	\$857,060	\$149,526	\$411,479	\$1,418,065	\$0.000154	
Lighting	401,351,242	0.00%	\$0	\$0	\$0	\$0	\$0	\$0.000000	
NC Retail	25,368,485,453	100.00%	\$7,626,689	\$857,060	\$1,217,627	\$3,350,760	\$13,052,135	\$0.000515	

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Demand Allocation Factor is derived in Evans Supplemental Exhibit No. 4, column (5).
- (3) EnergyWise costs are directly assigned solely to Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG DR Program costs are directly assigned solely to General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives).
- (6) Estimated DSM Overcollections (from Aug-14 through Nov-14)



DUKE ENERGY PROGRESS, INC.  
EMF Adjustments

Line	Description	Residential				General Service				Lighting				Totals			
		DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total	DSM	DSDR	EE	Total
1	Test Period DSM/EE Rate Billings <sup>1</sup> <i>Amounts from Schedule WP R-2</i>	\$ 8,051,821	\$ 18,008,296	\$ 24,745,029	\$ 50,805,147	\$ 983,412	\$ 11,768,616	\$ 14,482,988	\$ 27,235,016	\$ -	\$ 492,812	\$ -	\$ 492,812	\$ 9,035,233	\$ 30,269,725	\$ 39,228,017	\$ 78,532,975
2	Prospective Period DSM/EE Rate Billings <sup>2</sup> <i>Amounts from Schedule WP R-2</i>	2,801,462	5,322,740	6,733,448	14,857,650	321,113	3,796,269	3,981,798	8,099,179	-	134,299	-	134,299	3,122,575	9,253,307	10,715,246	23,091,128
3	Less: Prior Prospective Period Billings <sup>3</sup> <i>Amounts from WP R-2</i>	(2,290,267)	(5,604,140)	(7,997,238)	(15,891,645)	(334,557)	(4,108,100)	(5,112,467)	(9,555,125)	-	(171,646)	-	(171,646)	(2,624,825)	(9,883,886)	(13,109,705)	(25,618,416)
4	Less: Uncollectible Allowance in Rates <sup>4</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Overcollection of Appliance Recycling PPI <sup>5</sup> <i>Amounts from WP D-5a</i>	-	-	21,205	21,205	-	-	-	-	-	-	-	-	-	-	21,205	21,205
6	Overcollection of Appliance Recycling PPI <sup>6</sup> <i>Amounts from WP D-5A</i>	-	-	661	661	-	-	-	-	-	-	-	-	-	-	661	661
7	Undercollection of CIG Demand Response PPI <sup>7</sup> <i>Amounts from WP D-5A</i>	-	-	-	-	(2,543)	-	-	(2,543)	-	-	-	-	(2,543)	-	-	(2,543)
8	Overcollection of Home Advantage PPI <sup>8</sup> <i>Amounts from WP D-5A</i>	-	-	1,213	1,213	-	-	-	-	-	-	-	-	-	-	1,213	1,213
9	Undercollection of HEIP PPI <sup>9</sup> <i>Amounts from WP D-5B</i>	-	-	(24,971)	(24,971)	-	-	-	-	-	-	-	-	-	-	(24,971)	(24,971)
10	Overcollection of CIG EE PPI <sup>10</sup> <i>Amounts from WP D-5B</i>	-	-	-	-	-	-	43,221	43,221	-	-	-	-	-	-	43,221	43,221
11	Overcollection of EnergyWise <sup>11</sup> <i>Amounts from WP D-5B</i>	48,310	-	-	48,310	-	-	-	-	-	-	-	-	48,310	-	-	48,310
12	Undercollection of Appliance Recycling <sup>12</sup> <i>Amounts from WP D-5B</i>	-	-	(10,494)	(10,494)	-	-	-	-	-	-	-	-	-	-	(10,494)	(10,494)
13	Undercollection of Residential Benchmarking PPI <sup>13</sup> <i>Amounts from WP D-5B</i>	-	-	(58,986)	(58,986)	-	-	-	-	-	-	-	-	-	-	(58,986)	(58,986)
14	Undercollection of Lighting Program Residential PPI <sup>14</sup> <i>Amounts from WP D-5B</i>	-	-	(40,290)	(40,290)	-	-	-	-	-	-	-	-	-	-	(40,290)	(40,290)
15	Undercollection of Lighting Program Gen Svc PPI <sup>15</sup> <i>Amounts from WP D-5B</i>	-	-	-	-	-	-	(20,148)	(20,148)	-	-	-	-	-	-	(20,148)	(20,148)
16	Interest on Overcollections <sup>16</sup> <i>Amounts from WP B-10</i>	-	-	-	-	-	-	-	-	-	2,518	-	2,518	-	2,518	-	2,518
17	Net Adjustments to DSM/EE EMF Clause <i>Σ Lines 1 through 16</i>	\$ 8,611,327	\$ 17,726,895	\$ 23,369,578	\$ 49,707,800	\$ 967,425	\$ 11,456,785	\$ 13,375,392	\$ 25,799,601	\$ -	\$ 457,983	\$ -	\$ 457,983	\$ 9,578,752	\$ 29,641,664	\$ 36,744,969	\$ 75,965,384
		\$41,096,473 To Exhibit 8				\$24,832,177 To Exhibit 8				\$66,386,633 To Exhibit 8							

<sup>1</sup> Actual DSM/EE Rate billings for test period (April 2013 through March 2014).  
<sup>2</sup> Estimated DSM/EE Rate billings for prospective period (April 2014 through July 2014).  
<sup>3</sup> Actual DSM/EE Rate billings for prior prospective period (April 2012 through July 2013).  
<sup>4</sup> The Company is not requesting an adjustment for uncollectibles in this proceeding.  
<sup>5</sup> Reflects Vintage 2010 Appliance Recycling PPI true-up.  
<sup>6</sup> Reflects Vintage 2011 Appliance Recycling PPI true-up.  
<sup>7</sup> Reflects Vintage 2012 CIG Demand Response PPI true-up.  
<sup>8</sup> Reflects Vintage 2012 Home Advantage PPI true-up.  
<sup>9</sup> Reflects Vintage 2012 HEIP PPI true-up.  
<sup>10</sup> Reflects Vintage 2012 CIG EE Program PPI true-up.  
<sup>11</sup> Reflects Vintage 2012 EnergyWise PPI true-up.  
<sup>12</sup> Reflects Vintage 2012 Appliance Recycling PPI true-up.  
<sup>13</sup> Reflects Vintage 2012 Residential Benchmarking PPI true-up.  
<sup>14</sup> Reflects Vintage 2012 Lighting Program Residential PPI true-up.  
<sup>15</sup> Reflects Vintage 2012 Lighting Program Gen Svc PPI true-up.  
<sup>16</sup> Estimated interest obligation associated with extended test period (August 1, 2012 through July 31, 2013) over-recovery of revenues.

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DUKE ENERGY PROGRESS, INC.

Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	EE EMF Revenue Requirement										
	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup> (1)	Rate Class Energy Allocation Factor <sup>(2)</sup> (2)	Residential Programs <sup>(3)</sup> (3)	CIG Programs <sup>(4)</sup> (4)	DSDR <sup>(5)</sup> (5)	Non-DSDR Allocated A&G and Carrying Costs <sup>(6)</sup> (6)	DSDR Allocated A&G and Carrying Costs <sup>(5)</sup> (7)	Total of Allocated Costs (8) = Σ (3 thru 7)	Less: Prior Period EE Rate Adjustment <sup>(7)</sup> (9)	Adjusted EE EMF Revenue Requirement (10)=(8)-(9)	Total EE EMF Rate (11) = (10) / (1)
Residential	15,779,908,739	62.20%	\$ 19,806,991	\$0	\$ 16,324,940	\$4,751,687	\$840,092	\$41,723,710	\$41,096,473	\$627,237	\$0.000040
General Service	9,187,225,472	36.22%	\$0	\$ 12,898,773	\$ 9,504,548	\$1,994,551	\$489,110	\$24,886,982	\$24,832,177	\$54,806	\$0.000006
Lighting	401,351,242	1.58%	\$0	\$0	\$ 415,214	\$0	\$21,367	\$436,581	\$457,983	-\$21,402	-\$0.000053
NC Retail	25,368,485,453	100.00%	\$ 19,806,991	\$12,898,773	\$26,244,702	\$6,746,238	\$1,350,569	\$67,047,273	\$66,386,633	\$660,640	\$0.000026

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Energy Allocation Factor is derived in Evans Supplemental Exhibit No. 3, column (4).
- (3) Residential Program costs are allocated solely to Residential rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG Energy EE, Lighting, and Small Business Direct Energy Saver costs are allocated solely to General Service rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) DSDR Costs allocated using Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (6) Non-DSDR A&G and Carrying Costs are allocated on the basis of Non-DSDR revenue requirements (excluding incentives) assigned in preceding columns.
- (7) Amounts are derived in Evans Supplemental Exhibit No. 7.

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DUKE ENERGY PROGRESS, INC.

Demand Side Management Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales <sup>(1)</sup> (1)	Rate Class Demand Allocation Factor <sup>(2)</sup> (2)	DSM EMF Revenue Requirement					Less: Prior Period DSM Rate Adjustment <sup>(6)</sup> (8)	Adjusted DSM EMF Revenue Requirement (9)=(7)-(8)	Total DSM EMF Rate (10) = (9) / (1)
			EnergyWise Program Costs <sup>(3)</sup> (3)	CIG DR Program <sup>(4)</sup> (4)	Cost Assigned A&G Costs <sup>(5)</sup> (5)	Cost Assigned Carrying Costs <sup>(5)</sup> (6)	Total of Allocated Costs (7) = Σ (3 thru 6)			
Residential	15,779,908,739	68.26%	\$6,569,563	\$0	\$805,150	\$1,890,695	\$9,265,408	\$8,611,327	\$654,082	\$0.000041
General Service	9,187,225,472	31.74%	\$0	\$674,226	\$104,622	\$245,679	\$1,024,527	\$967,425	\$57,102	\$0.000006
Lighting	401,351,242	0.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.000000
NC Retail	25,368,485,453	100%	\$6,569,563	\$674,226	\$909,772	\$2,136,374	\$10,289,935	\$9,578,752	\$711,184	\$0.000028

**NOTES:**

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Evans Supplemental Exhibit No. 3, column (3).
- (2) Rate Class Demand Allocation Factor is derived in Evans Supplemental Exhibit No. 4, column (5).
- (3) EnergyWise costs are directly assigned solely to the Residential Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (4) CIG DR costs are directly assigned solely to the General Service Rate Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 6/15/09.
- (5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives) assigned in preceding columns.
- (6) Amounts are derived in Evans Supplemental Exhibit No. 7.

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DUKE ENERGY PROGRESS, INC.

DSM/EE Annual Rate & EMF - December 2014 through November 2015

All rates are shown in dollars per kWh

NC Rate Class	DSM/EE Adjustment Rate				DSM/EE Rate w/ Gross-up (5)	Uncollectibles Adjustment (6)	DSM/EE Billing Rate (7)
	EE Rate (1)	DSM Rate (2)	DSM/EE Rate (3)	Reg Fee (4)			
Residential	\$0.003213	\$0.000737	\$ 0.00395	\$ 0.00001	\$ 0.00396	NA	\$ 0.00396
General Service	0.003811	0.000154	0.00397	0.00001	0.00398	NA	0.00398
Lighting	0.001083	0.000000	0.00108	-	0.00108	NA	0.00108
NC Retail	\$ 0.003396	\$ 0.000514	\$ 0.00391	\$ 0.00001	\$ 0.00392	NA	\$ 0.00392

NC Rate Class	DSM/EE Experience Modification Factor (EMF)				DSM/EE EMF w/ Gross-up (12)	Uncollectibles Adjustment (13)	DSM/EE EMF Billing Rate (14)
	EE EMF Rate (8)	DSM EMF Rate (9)	DSM/EE EMF Rate (10)	Reg Fee (11)			
Residential	\$0.000040	\$0.000041	\$0.00008	\$0.00000	\$0.00008	NA	\$0.00008
General Service	0.000006	0.000006	0.00001	0.00000	0.00001	NA	0.00001
Lighting	-0.000053	0.000000	-0.00005	0.00000	-0.00005	NA	-0.00005
NC Retail	\$0.000026	\$0.000028	\$0.00005	\$0.00000	\$0.00005	NA	\$0.00005

Total Rate (DSM/EE Adjustment Rate and DSM/EE Experience Modification Factor)

NC Rate Class	DSM/EE Billing Rate (15) = (7)	DSM/EE EMF Billing Rate (16) = (14)	Total Billing Rate (17) = (15) + (16)
Residential	\$0.00396	\$0.00008	\$0.00404
General Service	\$0.00398	\$0.00001	\$0.00399
Lighting	\$0.00108	-\$0.00005	\$0.00103
NC Retail	\$0.00392	\$0.00005	\$0.00397

**NOTES: (Referenced by Column Number)**

- (1) Total EE Rate is derived in Evans Supplemental Exhibit No. 5, column (10).
- (2) Total DSM Rate is derived in Evans Supplemental Exhibit No. 6, column (9).
- (3) Total DSM/EE Rate is sum of columns (1) and (2) rounded to 5 decimal place billing precision.
- (4) Calculated Regulatory Fee at the rate of .13% on column (3) rounded to 5 decimal places.
- (5) Adjusted DSM/EE Rate w/Gross-up for Regulatory Fee is sum of columns (3) and (4).
- (6) Uncollectible adjustment factors are currently not applicable.
- (7) DSM/EE Billing Rate is the sum of columns (5) and (6) rounded to 5 decimal place billing precision.
- (8) Total EE EMF is derived in Evans Supplemental Exhibit No. 8, column (11).
- (9) Total DSM EMF is derived in Evans Supplemental Exhibit No. 9, column (10).
- (10) DSM/EE EMF Rate is derived from the sum of columns (8) and (9) rounded to 5 decimal place billing precision.
- (11) Calculated Regulatory Fee at the combined rate of .13% on column (10) rounded to 5 decimal places.
- (12) Adjusted DSM/EE EMF Rate w/Gross-up for Regulatory Fee is sum of columns (10) and (11).
- (13) Uncollectible adjustment factors are currently not applicable.
- (14) DSM/EE EMF is the sum of columns (12) and (13) rounded to 5 decimal place billing precision.

# Workpapers

## Section B –Allocation Factors & Interest Calculations

**DUKE ENERGY PROGRESS, INC.**  
**Allocation Factor Summary**

					DSM		EE	
					NC	SC	NC	SC
<b>A. Allocation Factors</b>								
1	May-09	to	Apr-10	<i>Calendar 2008 Analysis</i> <sup>1</sup>	86.16%	13.84%	85.06%	14.94%
2	May-10	to	Apr-11	<i>Calendar 2009 Analysis</i> <sup>2</sup>	85.89%	14.11%	85.41%	14.59%
3	May-11	to	Apr-12	<i>Calendar 2010 Analysis</i> <sup>3</sup>	86.49%	13.51%	85.53%	14.47%
4	May-12	to	Apr-13	<i>Calendar 2011 Analysis</i> <sup>4</sup>	86.63%	13.37%	85.92%	14.08%
5	May-13	to	Apr-14	<i>Calendar 2012 Analysis</i> <sup>5</sup>	86.47%	13.53%	86.06%	13.94%
6	May-14	to	Apr-15	<i>Calendar 2013 Analysis</i> <sup>6</sup>	85.68%	14.32%	85.57%	14.43%
<b>B. Custom Period Factors</b>								
<i>Calendar Year 2010</i> <sup>7</sup>								
7	Jan-10	to	Dec-10	<i>Line 1 x <math>\frac{1}{3}</math> + Line 2 x <math>\frac{2}{3}</math></i>	85.98%	14.02%	85.29%	14.71%
<i>Calendar Year 2011</i> <sup>7</sup>								
8	Jan-11	to	Dec-11	<i>Line 2 x <math>\frac{1}{3}</math> + Line 3 x <math>\frac{2}{3}</math></i>	86.29%	13.71%	85.49%	14.51%
<i>Calendar Year 2012</i> <sup>7</sup>								
9	Jan-12	to	Dec-12	<i>Line 3 x <math>\frac{1}{3}</math> + Line 4 x <math>\frac{2}{3}</math></i>	86.58%	13.42%	85.79%	14.21%
<i>Calendar Year 2013</i> <sup>7</sup>								
10	Jan-13	to	Dec-13	<i>Line 4 x <math>\frac{1}{3}</math> + Line 5 x <math>\frac{2}{3}</math></i>	86.52%	13.48%	86.01%	13.99%
<i>Calendar Year 2014</i> <sup>7</sup>								
11	Jan-14	to	Dec-14	<i>Line 5 x <math>\frac{1}{3}</math> + Line 6 x <math>\frac{2}{3}</math></i>	85.94%	14.06%	85.73%	14.27%

**Notes:**<sup>1</sup> Allocation Factors values from Docket No. E-2, Sub 951<sup>2</sup> Allocation Factors values from Docket No. E-2, Sub 977<sup>3</sup> Allocation Factors values from Docket No. E-2, Sub 1002<sup>4</sup> Allocation Factors values from Docket No. E-2, Sub 1019<sup>5</sup> Allocation Factors values from Docket No. E-2, Sub 1030<sup>6</sup> Allocation Factors values from W/P B-5A<sup>7</sup> Employed in the allocation of Utility Cost Test (UCT) results for PPI determination.

W/P B-5B

**DUKE ENERGY PROGRESS, INC.**  
**Summer Coincident Peak Production Demand Allocation Factors**  
**Calendar 2013 - North Carolina Retail**

Rate Schedule (1)	Summer CP Demand (KW) <sup>1</sup> (2)	Rate Class (3)	Summer CP Demand (KW) (4)	NC Rate Class Ratio (5)
NC RES	3,571,470	Residential	3,571,470	49.40%
NC SGS	417,882	Small General Service	418,791	5.79%
NC SGS (CLR)	3,425	Medium General Service	1,951,825	27.00%
NC SGT (MGS)	1,415,980	Large General Service	1,286,992	17.80%
NC MGS	499,799	Lighting	0	0.00%
NC SI	32,622			
NC LGS	197,858	NC Retail	7,229,079	100.00%
NC LGS-TOU	288,073			
NC LGS-RTP	801,061			
NC TSS	909	DSM/EE Rate Classes		
NC ALS	0	Residential	3,571,470	49.40%
NC SLS	0	General Service	3,657,609	50.60%
NC SFLS	0	Lighting	0	0.00%
NC Retail	7,229,079	NC Retail	7,229,079	100.00%

<sup>1</sup> Summer Coincident Peak values from W/P 5A

**DUKE ENERGY PROGRESS, INC.**  
**Energy & Summer Production Demand Allocation Factors**  
*From Calendar 2013 Analysis*

Rate Schedule (1)	Production Energy (kWh) (2)		Production <sup>1</sup> Summer CP (KW) (3)	
NC RES	15,816,359,914		3,571,470	
NC SGS	1,860,712,700		417,882	
NC SGS (CLR)	30,138,244		3,425	
NC MGS TOU	8,517,734,969		1,415,980	
NC MGS	2,665,687,335		499,799	
NC SI	57,365,510		32,622	
NC LGS	1,239,973,754		197,858	
NC LGS-TOU	1,812,540,880		288,073	
NC LGS-RTP	5,914,052,459		801,061	
NC TSS	8,487,491		909	
NC ALS	335,514,056		-	
NC SLS	129,884,711		-	
NC SFLS	1,339,837		-	
<b>Total NC</b>	<b>38,389,791,859</b>		<b>85.57%</b>	
SC RES	2,186,982,956		510,568	
SC SGS	283,248,537		65,904	
SC SGS (CLR)	2,353,038		276	
SC MGS (TOU)	1,117,266,676		194,380	
SC MGS	548,826,506		107,167	
SC SI	19,342,232		4,129	
SC LGS	707,262,322		110,565	
SC LGS-TOU	198,964,549		30,470	
SC LGS-CRTL-TOU	710,814,917		94,894	
SC LGS-RTP	599,328,513		89,497	
SC TSS	897,439		100	
SC ALS	79,492,596		-	
SC SLS	18,943,635		-	
SC SFLS	171,156		-	
<b>Total SC</b>	<b>6,473,895,074</b>	<b>14.43%</b>	<b>1,207,951</b>	<b>14.32%</b>
<b>Total System</b>	<b>44,863,686,932</b>	<b>100.00%</b>	<b>8,437,029</b>	<b>100.00%</b>

<sup>1</sup> Based on Summer Coincident Peak event on August 12, 2013 during hour ending 4:00 PM.



## DUKE ENERGY PROGRESS, INC.

### Interest on DSM/EE Rate Overcollections

	Revenue Months	Sources	Residential	General Service	Lighting	Total
1	Aug-13	W/P R-2	\$ 5,135,529	\$ 2,936,719	\$ 46,011	\$ 8,118,259
2	Sep-13	W/P R-2	3,944,208	2,496,404	40,973	6,481,586
3	Oct-13	W/P R-2	3,333,645	2,426,157	42,995	5,802,797
4	Nov-13	W/P R-2	3,432,602	2,083,641	41,604	5,557,848
5	Dec-13	W/P R-2	4,624,143	2,114,535	40,131	6,778,809
6	Jan-14	W/P R-2	5,258,984	2,044,039	37,446	7,340,469
7	Feb-14	W/P R-2	5,104,142	1,868,422	36,481	7,009,045
8	Mar-14	W/P R-2	4,080,248	1,709,976	35,524	5,825,747
9	Apr-14	W/P R-2	3,617,805	1,879,683	37,214	5,534,703
10	May-14	W/P R-2	2,781,273	2,114,686	36,001	4,931,960
11	Jun-14	W/P R-2	4,031,654	2,209,471	28,349	6,269,474
12	Jul-14	W/P R-2	4,426,919	1,895,339	32,735	6,354,993
13						
14	DSM/EE Billings	$\Sigma$ Lines 1 thru 12	\$ 49,771,152	\$ 25,779,071	\$ 455,465	\$ 76,005,688
15						
16	Uncollectible Rate		NA	NA	NA	
17	Uncollectibles	Line 14 x Line 16	NA	NA	NA	\$ -
18						
19	Net Revenue	Line 14 - Line 17	\$ 49,771,152	\$ 25,779,071	\$ 455,465	\$ 76,005,688
20						
21	EMF Revenue Requirement					
22	EE	Exhibit 8 Col 8	41,723,710	24,886,982	436,581	67,047,273
23	DSM	Exhibit 9 Col 7	9,265,408	1,024,527	-	10,289,935
24	Adjustments	Exhibit 7 - $\Sigma$ Lines 4 to 15	63,352	(20,531)	-	42,821
25	EMF Revenue Requirement	Lines 22 + 23 + 24	51,052,470	25,890,979	436,581	77,380,029
26						
27	Over (Under) Collection	Line 19 - Line 24	\$ (1,281,318)	\$ (111,908)	\$ 18,884	\$ (1,374,342)
28						
29	Interest Months	Mid-Point Method <sup>1</sup>	16	16	16	
30	Annual Interest Rate		10%	10%	10%	
31						
32	Calculated Interest	Line 29xLine 28/12xLine 26	\$ (170,842)	\$ (14,921.04)	\$ 2,517.91	\$ (183,246)
33						
34	Interest Impact on EMF	If Line 31 > 0, Line 31, Else 0	\$ -	\$ -	\$ 2,517.91	\$ 2,517.91
35						
36	DSM Revenue Percentage	WP R-2	17.2%	3.8%	0.0%	
37	DSDR Revenue Percentage	WP R-2	35.6%	44.4%	100.0%	
38	EE Revenue Percentage	WP R-2	47.2%	51.8%	0.0%	
39						
40	DSM Allocated Interest	Line 34 x Line 36	\$ -	\$ -	\$ -	\$ -
41	DSDR Allocated Interest	Line 34 x Line 37	-	-	2,517.91	2,517.91
42	EE Allocated Interest	Line 34 x Line 38	-	-	-	-
43	Totals	$\Sigma$ Lines 40 to 42	\$ -	\$ -	\$ 2,517.91	\$ 2,517.91

<sup>1</sup> Interest calculated from midpoint of collection period (August 1, 2013 through July 31, 2014) through midpoint of refund period (December 1, 2014 through November 30, 2015).

# Workpapers

## Section C – Lighting Allocations

# Duke Energy Progress, Inc.

## Determination of Lighting Allocation Factors

		<u>Bulb %s</u>	<u>Allocation Factors</u>
1	Residential	82.30% <i>Per EM&amp;V</i>	89.17% <i>Lines 1 / (1 + 2)</i>
2	General Service	10.00% <i>Per EM&amp;V</i>	10.83% <i>Lines 2 / (1 + 2)</i>
3	Leakage	<u>7.70%</u> <i>Per EM&amp;V</i>	<u>0.00%</u> <i>-NA-</i>
4	Totals	100.00% <i>Σ Lines 1 thru 3</i>	100.00% <i>Σ Lines 1 thru 3</i>

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# Workpapers

## Section D – Determination of Utility Incentives

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Duke Energy Progress, Inc.  
Calculation of Program Performance Incentives

2013 Vintage

		CIG DR	EnergyWise™	Residential Home Advantage	Residential Home Energy Improvement <sup>2</sup>	Lighting Program Residential <sup>1</sup>	Lighting Program Gen Svc <sup>1</sup>	Residential Appliance Recycling	Residential Benchmarking	Small Business Direct Install <sup>2</sup>	Residential New Construction <sup>2</sup>	CIG Energy Efficiency
1	Present Value of Avoided Costs	WP E-4	\$ 1,292,904	\$ 26,630,379	\$ 99,251	\$ 7,547,580	\$ 47,441,791	\$ 11,001,536	\$ 2,796,837	\$ 963,707	\$ 2,805,166	\$ 46,814,267
2	Present Value of Program Costs	WP D-1A	763,975	5,550,980	67,611	5,419,581	8,235,185	1,000,191	1,473,097	591,861	3,345,513	8,424,007
3	Net Program Benefits		\$ 528,930	\$ 21,079,399	\$ 31,640	\$ 2,127,999	\$ 39,206,607	\$ 10,001,345	\$ 1,323,740	\$ 371,846	\$ -	\$ 38,390,261
4	NC Allocation Factor	WP B	86.52%	86.52%	86.01%	86.01%	86.01%	86.01%	86.01%	86.01%	86.01%	86.01%
5	NC Allocated Utility Cost Test	Lines 3 X 4	\$ 457,630	\$ 18,237,896	\$ 27,214	\$ 1,830,292	\$ 33,721,602	\$ 8,602,157	\$ 1,138,549	\$ 319,825	\$ -	\$ 33,019,465
6	DSM Program Incentive at 8%	Lines 5 X 8%	\$ 36,610	\$ 1,459,032								
7	EE Program Incentive at 13%	Lines 5 X 13%			\$ 3,538	\$ 237,938	\$ 4,383,808	\$ 1,118,280	\$ 148,011	\$ 41,577	\$ -	\$ 4,292,530
8	Program Performance Incentive (PPI)	Lines 6 + 7	\$ 36,610	\$ 1,459,032	\$ 3,538	\$ 237,938	\$ 4,383,808	\$ 1,118,280	\$ 148,011	\$ 41,577	\$ -	\$ 4,292,530
9	Income Tax Rate	WP D-1C	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%
10	Income Taxes	-(Lines 8 X 9)	\$ (14,353)	\$ (572,021)	\$ (1,387)	\$ (93,285)	\$ (1,718,695)	\$ (438,428)	\$ (58,029)	\$ (16,301)	\$ -	\$ (1,682,909)
11	Net-of-Tax PPI - Total NPV	Lines 8 + 10	\$ 22,257	\$ 887,011	\$ 2,151	\$ 144,653	\$ 2,665,113	\$ 679,853	\$ 89,983	\$ 25,277	\$ -	\$ 2,609,621
12	Vintage Year 2013 - Year 1 PPI	Line 11 x 0.075841 x (1 + 0.075841) <sup>10</sup> (1 + 0.075841) <sup>10</sup> - 1	\$ 3,255	\$ 129,722	\$ 315	\$ 21,155	\$ 389,762	\$ 99,426	\$ 13,160	\$ 41,577	\$ -	\$ 381,646
13	Income Tax Cross-Up Factor	1 - Line 9	60.79%	60.79%	60.79%	60.79%	60.79%	60.79%	60.79%	60.79%	60.79%	60.79%
14	Adjusted PPI	Line 12 / Line 13	\$ 5,354	\$ 213,377	\$ 517	\$ -	\$ 641,114	\$ 163,544	\$ 21,646	\$ 68,390	\$ -	\$ 627,765
15	Vintage 2009 PPI Values	Docket E-2, Sub 977	\$ -	\$ 135,141	\$ 8,018	\$ 10,405	\$ -	\$ -	\$ -	\$ -	NA	\$ 169,910
16	Vintage 2010 PPI Values	Docket E-2, Sub 1002	65,722	830,971	27,550	75,357	546,425	134,853	28,547	-	NA	452,376
17	Vintage 2011 PPI Values	Docket E-2, Sub 1019	17,655	781,456	79,940	116,481	309,670	74,572	20,592	-	NA	649,907
18	Vintage 2012 PPI Values	Line 15 from 2013 Analysis/ WP D-5B	20,597	261,280	60,450	108,864	573,922	153,107	38,647	59,161	-	722,666
19	Σ Prior Period PPI	Lines 15 + 16 + 17 + 18	\$ 103,974	\$ 2,008,848	\$ 175,958	\$ 311,107	\$ 1,430,017	\$ 362,532	\$ 87,786	\$ 59,161	\$ -	\$ 1,994,858
20	PPI Values for Test Period	Lines 14 + 19	\$ 109,328	\$ 2,222,225	\$ 176,476	\$ 311,107	\$ 2,071,131	\$ 526,076	\$ 109,432	\$ 127,551	\$ -	\$ 2,622,623

2014 Vintage

		CIG DR	EnergyWise™	Residential Home Advantage	Residential Home Energy Improvement <sup>2</sup>	Lighting Program Residential <sup>1</sup>	Lighting Program Gen Svc <sup>1</sup>	Residential Appliance Recycling	Residential Benchmarking	Small Business Direct Install <sup>2</sup>	Residential New Construction <sup>2</sup>	CIG Energy Efficiency
1	Present Value of Avoided Costs	WP E-5	\$ 4,704,338	\$ 25,574,217	\$ -	\$ 6,124,472	\$ 20,570,722	\$ 4,476,403	\$ 2,799,983	\$ 936,435	\$ 4,243,061	\$ 56,789,055
2	Present Value of Program Costs	WP D-1A	2,773,899	5,239,334	6,995	6,006,955	5,724,326	695,239	1,492,592	472,864	7,480,000	9,584,277
3	Net Program Benefits		\$ 1,930,439	\$ 20,334,884	\$ -	\$ 117,517	\$ 14,846,396	\$ 3,781,164	\$ 1,307,391	\$ 463,571	\$ 2,640,015	\$ 47,204,778
4	NC Allocation Factor	WP B	85.94%	85.94%	85.73%	85.73%	85.73%	85.73%	85.73%	85.73%	85.73%	85.73%
5	NC Allocated Utility Cost Test	Lines 3 X 4	\$ 1,659,019	\$ 17,475,799	\$ -	\$ 100,747	\$ 12,727,816	\$ 3,241,592	\$ 1,120,827	\$ 397,419	\$ -	\$ 40,468,656
6	DSM Program Incentive at 8%	Lines 5 X 8%	\$ 132,722	\$ 1,398,064								
7	EE Program Incentive at 13%	Lines 5 X 13%			\$ 13,097	\$ 1,654,616	\$ 421,407	\$ 145,707	\$ 51,664	\$ -	\$ 294,227	\$ 5,260,925
8	Program Performance Incentive (PPI)	Lines 6 + 7	\$ 132,722	\$ 1,398,064	\$ -	\$ 13,097	\$ 1,654,616	\$ 421,407	\$ 145,707	\$ 51,664	\$ -	\$ 5,260,925
9	Income Tax Rate	WP D-1C	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%
10	Income Taxes	-(Lines 8 X 9)	\$ (51,377)	\$ (541,196)	\$ -	\$ (5,070)	\$ (640,508)	\$ (163,128)	\$ (56,404)	\$ (20,000)	\$ (113,896)	\$ (2,036,525)
11	Net-of-Tax PPI - Total NPV	Lines 8 + 10	\$ 81,344	\$ 856,868	\$ -	\$ 8,027	\$ 1,014,108	\$ 258,279	\$ 89,304	\$ 31,665	\$ -	\$ 3,224,400
12	Vintage Year 2014 - Year 1 PPI	Line 11 x 0.067224 x (1 + 0.067224) <sup>10</sup> (1 + 0.067224) <sup>10</sup> - 1	\$ 11,433	\$ 120,438	\$ -	\$ 1,128	\$ 142,539	\$ 36,303	\$ 12,552	\$ 51,664	\$ -	\$ 25,347
13	Income Tax Cross-Up Factor	1 - Line 9	61.29%	61.29%	61.29%	61.29%	61.29%	61.29%	61.29%	61.29%	61.29%	61.29%
14	Adjusted PPI	Line 12 / Line 13	\$ 18,655	\$ 196,506	\$ -	\$ -	\$ 232,566	\$ 59,231	\$ 20,480	\$ 84,296	\$ -	\$ 41,355
15	Vintage 2009 PPI Values	Line 15 from 2013 Analysis	\$ -	\$ 135,141	\$ 8,018	\$ 10,405	\$ -	\$ -	\$ -	\$ -	NA	\$ 169,910
16	Vintage 2010 PPI Values	Line 16 from 2013 Analysis	65,722	830,971	27,550	75,357	546,425	134,853	28,547	-	NA	452,376
17	Vintage 2011 PPI Values	Line 17 from 2013 Analysis	17,655	781,456	79,940	116,481	309,670	74,572	20,592	-	NA	649,907
18	Vintage 2012 PPI Values	Line 18 from 2013 Analysis	20,597	261,280	60,450	108,864	573,922	153,107	38,647	59,161	-	722,666
19	Vintage 2013 PPI Values		5,354	213,377	517	-	641,114	163,544	21,646	68,390	-	627,765
20	Σ Prior Period PPI	Lines 15 + 16 + 17 + 18 + 19	\$ 109,328	\$ 2,222,225	\$ 176,476	\$ 311,107	\$ 2,071,131	\$ 526,076	\$ 109,432	\$ 127,551	\$ -	\$ 2,622,623
21	PPI Values for Rate Period	Lines 14 + 20	\$ 127,983	\$ 2,418,732	\$ 176,476	\$ 311,107	\$ 2,303,697	\$ 585,307	\$ 129,912	\$ 211,846	\$ -	\$ 3,362,077

Note: <sup>1</sup> Lighting Program EM&V Based Cost Allocations at 89.17% for Residential and 10.83% for General Service  
<sup>2</sup> Programs did not pass TRC test and are therefore not eligible for PPI. Programs will be re-examined upon receipt of EM&V.

## Duke Energy Progress, Inc.

Calculation of Program Performance Incentives (Costs)

	Actual Values												Adjusted 2010 Totals
	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	
CIG DR	39,558	45,055	45,289	53,455	47,084	54,379	107,713	317,865	111,793	85,023	59,089	59,374	1,025,677
EnergyWiseTM	744,133	954,698	981,637	641,052	913,824	791,035	905,404	1,012,281	1,272,208	739,798	475,495	514,858	9,946,424
Residential Home Advantage	66,730	61,004	73,801	87,976	137,955	87,604	104,322	111,339	94,075	96,681	125,470	33,615	1,080,571
Residential Home Energy Improvement	612,613	526,020	522,743	481,717	518,415	684,120	863,812	814,135	771,387	559,710	704,433	697,336	7,756,442
Residential Lighting Program	89,861	293,269	523,984	580,810	725,464	660,748	561,647	557,353	552,179	662,180	452,001	857,621	6,517,118
Residential Appliance Recycling	10,398	8,254	13,778	36,770	104,622	75,978	62,776	113,600	159,335	193,102	120,549	137,693	1,036,855
Residential Benchmarking	0	0	1,150	11,572	8,592	9,404	6,261	6,052	11,738	3,365	1,825	5,068	65,026
CIG Energy Efficiency	431,407	506,009	331,975	770,343	449,493	369,245	444,461	584,975	384,317	748,363	748,623	470,148	6,239,359

	Actual Values												Adjusted 2011 Totals
	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	
CIG DR	60,898	67,075	97,742	95,903	76,793	60,461	202,331	549,600	133,189	73,076	67,216	76,127	1,560,411
EnergyWiseTM	814,282	911,376	831,581	810,260	1,110,757	1,182,369	1,107,795	1,085,889	1,172,027	1,166,923	754,030	911,751	11,859,041
Residential Home Advantage	188,914	76,502	119,841	77,626	98,021	205,452	85,746	270,644	88,480	30,020	214,864	154,411	1,610,520
Residential Home Energy Improvement	883,389	758,080	630,288	435,618	487,641	597,642	353,652	604,650	322,292	393,356	528,145	478,659	6,473,411
Residential Lighting Program	134,445	476,955	440,320	346,309	223,050	541,350	202,109	451,542	714,028	784,511	761,284	795,710	5,871,613
Residential Appliance Recycling	46,333	89,902	245,855	89,750	79,407	100,939	93,903	153,250	124,062	91,905	108,868	51,226	1,275,400
Residential Benchmarking	1,721	80,842	3,675	6,399	338,733	5,967	118,805	3,918	11,334	1,996	114,013	3,829	691,232
CIG Energy Efficiency	404,382	1,028,980	945,062	1,071,958	400,004	748,282	536,338	515,507	993,318	654,744	858,591	471,795	8,628,963
Small Business Direct Install	0	0	0	0	0	0	0	0	0	0	3,242	12,353	15,595

	Actual Values												Adjusted 2012 Totals
	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	
CIG DR	67,535	90,727	61,938	57,779	59,118	55,182	108,422	157,715	189,671	58,558	43,937	52,100	1,002,683
EnergyWiseTM	768,289	1,201,814	824,124	450,241	662,199	558,102	662,007	481,063	627,521	622,958	646,884	511,784	8,016,985
Residential Home Advantage	180,344	282,988	68,280	70,764	50,649	53,957	34,699	72,694	101,306	49,979	27,780	35,698	1,029,138
Residential Home Energy Improvement	328,489	664,301	290,015	300,658	586,491	731,286	758,402	556,857	747,060	401,737	609,196	50,355	6,024,847
Residential Lighting Program	265,829	473,405	573,379	387,840	518,948	417,396	421,006	492,127	666,213	645,298	862,201	633,078	6,356,720
Residential Appliance Recycling	54,747	72,162	104,803	111,893	95,632	134,556	130,500	160,898	152,809	105,519	120,406	63,952	1,307,877
Residential Benchmarking	4,112	3,239	123,423	3,565	19,841	16,643	351,641	26,841	28,606	167,338	4,825	20,985	771,059
CIG Energy Efficiency	997,949	711,884	684,667	741,686	752,695	834,829	437,055	681,894	355,262	824,233	334,465	628,776	7,985,396
Small Business Direct Install	9,710	23,974	25,684	19,426	21,073	12,142	10,708	17,722	14,370	11,906	19,470	10,361	196,544
Residential New Construction	5,645	18,570	26,275	20,196	13,232	10,078	15,818	37,604	8,359	24,041	13,998	22,947	216,763

## Duke Energy Progress, Inc.

### Calculation of Program Performance Incentives (Costs)

	Actual Values												Adjusted 2013 Totals
	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	
CIG DR	55,409	67,056	86,761	86,896	70,443	92,919	109,098	355,546	242,854	75,872	15,002	95,317	1,353,172
EnergyWiseTM	761,359	797,216	989,284	606,950	809,695	677,016	761,008	795,185	959,157	1,621,067	259,073	672,654	9,709,664
Residential Home Advantage	8,016	47,293	6,540	3,238	(2,355)	1,264	0	9,499	(9,271)	0	0	3,388	67,611
Residential Home Energy Improvement	683,668	378,524	212,094	492,204	409,508	391,566	502,825	579,011	522,444	367,382	387,121	493,233	5,419,581
Residential Lighting Program	914,542	690,685	806,867	859,001	845,845	141,472	1,581,566	335,420	1,009,445	1,045,426	1,265,739	(260,631)	9,235,376
Residential Appliance Recycling	103,832	102,287	99,718	120,246	76,744	48,420	211,512	145,695	176,621	110,880	115,445	161,696	1,473,097
Residential Benchmarking	(14,464)	188,717	(15,711)	4,002	4,521	250,749	3,264	12,470	2,687	110,148	8,918	36,559	591,861
CIG Energy Efficiency	1,328,810	260,835	596,863	636,934	752,649	361,353	735,254	1,235,712	182,728	631,316	1,126,782	574,769	8,424,007
Small Business Direct Install	8,824	17,624	43,974	106,880	47,604	14,086	385,897	313,318	470,548	508,431	189,531	1,238,794	3,345,513
Residential New Construction	38,169	101,738	111,762	88,754	177,839	149,944	143,971	245,314	299,663	451,713	490,721	48,761	2,348,349

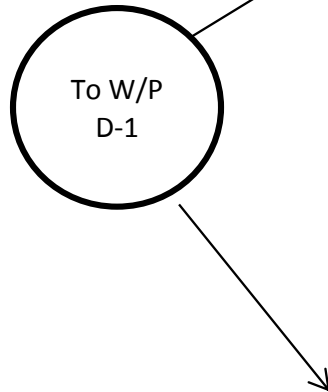
	Estimated Values												Adjusted 2014 Totals
	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	
CIG DR	99,922	100,170	101,222	102,274	105,182	231,430	324,482	347,534	108,586	111,494	111,742	112,794	1,856,828
EnergyWiseTM	920,208	1,107,000	1,031,660	730,496	678,624	655,117	693,324	680,016	831,655	885,833	780,946	754,424	9,749,303
Residential Home Advantage	583	583	583	583	583	583	583	583	583	583	583	583	6,995
Residential Home Energy Improvement	352,933	357,124	443,634	423,114	466,521	595,418	669,305	568,371	589,839	564,522	557,265	418,909	6,006,955
Residential Lighting Program	620,125	343,004	516,058	505,282	527,751	481,564	527,751	531,312	527,751	736,217	621,186	481,564	6,419,565
Residential Appliance Recycling	93,483	100,678	166,130	128,543	129,580	119,522	121,764	120,288	157,298	125,157	138,948	91,200	1,492,592
Residential Benchmarking	11,094	167,744	14,922	12,841	12,868	253,395	0	0	0	0	0	0	472,864
CIG Energy Efficiency	832,165	821,865	801,265	790,965	790,965	790,965	790,965	801,265	790,965	790,965	790,965	790,965	9,584,277
Small Business Direct Install	613,000	624,273	624,273	624,273	624,273	624,273	624,273	624,273	624,273	624,273	624,273	624,273	7,480,000
Residential New Construction	179,078	179,056	346,629	345,429	510,874	510,221	923,250	925,130	924,227	922,050	921,234	674,370	7,361,549

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**Duke Energy Progress, Inc.**  
NC Calculation Tax and Return Related Input Factors

**2012**

	<u>Component</u>	<u>Percent</u>	<u>Rate</u>	<u>Wgt'd Rate</u>	<u>Net of Tax Wgt'd Cost</u>	<u>Pre Tax Wgt'd Cost</u>
1	Debt	48.57%	8.62%	4.1867%	2.5453% (a)	4.1867%
2	Preferred	7.43%	8.75%	0.6501%	0.6501%	1.0694% (b)
3	Common	44.00%	12.75%	5.6100%	5.6100%	9.2278% (c)
4	Total	100.00%		10.4469%	<b>8.8054%</b>	14.4839%
5						
6	<b>After Tax Cost of Debt</b>					
7	Wgt'd Debt Component				4.1867%	
8	PEC Composite Income Tax Rate				39.2055% (d)	
9	Federal Income Tax Amount				1.6414%	
10						
11	After Tax Debt Cost Component				<b>2.5453% (a)</b>	
12						
13	<b>Incremental Tax Rate</b>					
14	Pretax Debt Component				4.1867%	
15	After-Tax Debt Component				2.5453%	
16	After Tax Percent of Pretax Amt				60.7945%	
17	Effective Incremental Tax Rate					
18	(1 - After Tax Percent of Pretax )				<b>39.2055% (d)</b>	
19						
20	<b>Pre Tax Cost of Equity</b>					
21	Wgt'd Common Equity Component					5.6100%
22	Wgt'd Preferred Component				0.6501%	
23	Total Equity					5.6100%
24	After Tax Percent of Pretax Amt				60.7945%	60.7945%
25	Pre Tax Cost of Equity					
26	(Pre Tax Cost of Equity / After Tax Percent of Pretax Amt )				<b>1.0694% (b)</b>	<b>9.2278% (c)</b>
27						
28						
29	<b>Composite Income Tax Rate</b>					
30						
31	<u>Jurisdiction</u>					
32	Federal Tax Rate					32.7355%
33	North Carolina					5.8400%
34	South Carolina					0.6300%
35	PEC Composite Income Tax Rate					<b>39.2055% (d)</b>





# Duke Energy Progress, Inc.

# 2013

NC Calculation Tax and Return Related Input Factors

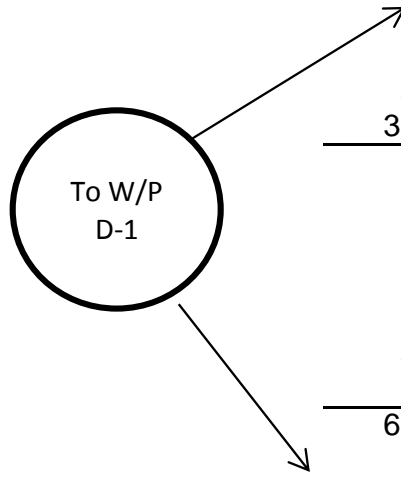
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	Component	Wgt'd Rate	5-Months	Wgt'd Rate	7-Months	Composite Wgt'd Rate
1	Debt	4.1867%	0.41667	2.1479%	0.58333	2.9974%
2	Preferred	0.6501%	0.41667	0.0000%	0.58333	0.2709%
3	Common	5.6100%	0.41667	5.4060%	0.58333	5.4910%
4	Total	10.4469%		7.5539%		8.7593%

	Component	Composite Wgt'd Rate	Net of Tax Wgt'd Cost	Pre Tax Wgt'd Cost
5	Debt	2.9974%	1.8223% (a)	2.9974%
6	Preferred	0.2709%	0.2709%	0.4456% (b)
7	Common	5.4910%	5.4910%	9.0321% (c)
8	Total	8.7593%	<b>7.5841%</b>	12.4751%

### After Tax Cost of Debt

9	Wgt'd Debt Component	2.9974%
10	PEC Composite Income Tax Rate	39.2055% (d)
11	Federal Income Tax Amount	1.1752%
12	After Tax Debt Cost Component	<b>1.8223% (a)</b>



### Incremental Tax Rate

13	Pretax Debt Component	2.9974%
14	After-Tax Debt Component	1.8223%
15	After Tax Percent of Pretax Amt	60.7945%
16	Effective Incremental Tax Rate	<b>39.2055% (d)</b>
17	(1 - After Tax Percent of Pretax )	

### Pre Tax Cost of Equity

18	Wgt'd Common Equity Component		5.4910%
19	Wgt'd Preferred Component	0.2709%	
20	Total Equity		5.4910%
21	After Tax Percent of Pretax Amt	60.7945%	60.7945%
22	Pre Tax Cost of Equity		
23	(Pre Tax Cost of Equity / After Tax Percent of Pretax Amt )	<b>0.4456% (b)</b>	<b>9.0321% (c)</b>

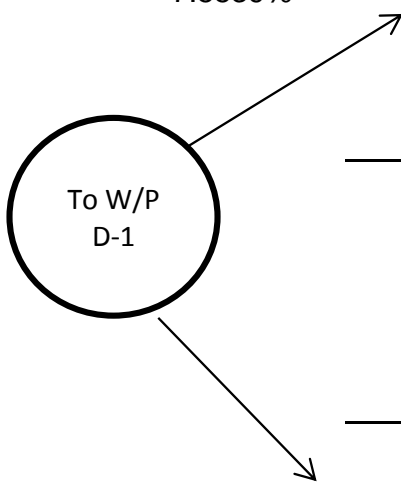
### Composite Income Tax Rate

	Jurisdiction	
34	Federal Tax Rate	32.7355%
35	North Carolina	5.8400%
36	South Carolina	0.6300%
37	PEC Composite Income Tax Rate	<b>39.2055% (d)</b>

# Duke Energy Progress, Inc. 2014

NC Calculation Tax and Return Related Input Factors

Component	Percent	Rate	Wgt'd Rate	Net of Tax Wgt'd Cost	Pre Tax Wgt'd Cost
1 Debt	47.00%	4.57%	2.1479%	1.3164% (a)	2.1479%
2 Preferred	0.00%	0.00%	0.0000%	0.0000%	0.0000% (b)
3 Common	53.00%	10.20%	5.4060%	5.4060%	8.8204% (c)
4 Total	100.00%		7.5539%	<b>6.7224%</b>	10.9683%
<b>After Tax Cost of Debt</b>					
7 Wgt'd Debt Component				2.1479%	
8 PEC Composite Income Tax Rate				38.7104% (d)	
9 Federal Income Tax Amount				0.8315%	
10					
11 After Tax Debt Cost Component				<b>1.3164% (a)</b>	
12					
<b>Incremental Tax Rate</b>					
14 Pretax Debt Component				2.1479%	
15 After-Tax Debt Component				1.3164%	
16 After Tax Percent of Pretax Amt				61.2896%	
17 Effective Incremental Tax Rate				<b>38.7104% (d)</b>	
18 (1 - After Tax Percent of Pretax )					
19					
<b>Pre Tax Cost of Equity</b>					
21 Wgt'd Common Equity Component					5.4060%
22 Wgt'd Preferred Component				0.0000%	
23 Total Equity					5.4060%
24 After Tax Percent of Pretax Amt				61.2896%	61.2896%
25 Pre Tax Cost of Equity					
26 (Pre Tax Cost of Equity / After Tax Percent of Pretax Amt )				<b>0.0000% (b)</b>	<b>8.8204% (c)</b>
27					
28					
<b>Composite Income Tax Rate</b>					
31 Jurisdiction					
32 Federal Tax Rate					33.0021%
33 North Carolina					5.0783%
34 South Carolina					0.6300%
35 PEC Composite Income Tax Rate					<b>38.7104% (d)</b>



## Duke Energy Progress - North Carolina

### Net Lost Revenue Summary

Source	Test Period		Prospective Period		Rate Period		
	MWH	Net Lost Rev	MWH	Net Lost Rev	MWH	Net Lost Rev	
<b>Residential Programs</b>							
Home Advantage	W/P D-2a	208.15 \$	12,280.77	24.84 \$	1,468.12	74.42 \$	4,366.68
Home Energy Improvement	W/P D-2b	3,637.21	214,590.09	1,485.84	87,807.18	7,175.77	421,033.27
Lighting	W/P D-2c	81,699.63	4,820,154.68	36,298.40	2,145,089.95	152,740.43	8,961,941.40
Neighborhood Energy Saver	W/P D-2d	1,436.86	84,772.70	832.09	49,173.13	4,219.46	247,574.07
Residential Appliance Recycling	W/P D-2e	2,363.46	139,440.68	2,188.38	129,324.35	10,751.41	630,831.85
Residential Benchmarking Program	W/P D-2f	9,366.99	552,638.16	-	-	-	-
Residential New Construction	W/P D-2g	957.70	56,502.71	-	-	9,668.73	567,306.18
<b>Residential Total</b>		99,670.01 \$	5,880,379.78	40,829.55 \$	2,412,862.74	184,630.23 \$	10,833,053.45
<b>Commercial, Industrial and Governmental</b>							
Energy Efficiency For Business	W/P D-2h	50,247.92 \$	2,486,542.15	29,861.53 \$	1,480,623.38	152,425.26 \$	7,493,424.56
Lighting	W/P D-2i	39,090.06 \$	1,934,389.84	17,251.13 \$	855,362.16	72,563.36	3,567,309.34
Small Business Energy Saver	W/P D-2j	2,668.70	132,061.78	2,031.17	100,711.41	11,329.73	556,984.20
<b>Commercial, Ind and Govt Total</b>		92,006.68	4,552,993.77	49,143.83	2,436,696.95	236,318.34	11,617,718.10
<b>Total Recoverable Net Lost Revenues and MWHs</b>		191,676.68 \$	10,433,373.56	89,973.38 \$	4,849,559.68	420,948.57 \$	22,450,771.55

**Duke Energy Progress - North Carolina**  
**Calculation of Net Lost Revenue**  
**Home Advantage Program Summary**

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**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	-	-	127	81	-	-	208
Net Lost Revenue Rate per MWh (\$)	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ 7,508	\$ 4,773	\$ -	\$ -	\$ 12,281

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	25	-	-	25
Net Lost Revenue Rate per MWh (\$)	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	
Prospective Period Net Lost Revenue (\$)	-	-	-	-	1,468	-	-	1,468

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	74	-	-	74
Net Lost Revenue Rate per MWh (\$)	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	
Rate Period Net Lost Revenue (\$)	-	-	-	-	4,367	-	-	4,367

Home Advantage Program

Duke Energy Progress - North Carolina

Recoverable Sales Reduction from Energy Efficiency Programs (MMWh) - Residential Home Advantage Program

Vintage	Vintage - 2009		Vintage - 2010		Vintage - 2011		Vintage - 2012		Vintage - 2013		Vintage - 2014		Vintage - 2015		I AM Vintages		Vintage - 2009 (North Carolina)		Vintage - 2010 (North Carolina)		Vintage - 2011 (North Carolina)		Vintage - 2012 (North Carolina)		Vintage - 2013 (North Carolina)		Vintage - 2014 (North Carolina)		Vintage - 2015 (North Carolina)		I AM Vintages (North Carolina)												
	Additions	Recoverable	Additions	Recoverable	Additions	Recoverable	Additions	Recoverable	Additions	Recoverable	Additions	Recoverable	Additions	Recoverable	Additions	Recoverable	Allocation	Recoverable	Recovered	Over(Under)	Recoverable	Recovered	Over(Under)	Recoverable	Recovered	Over(Under)	Recoverable	Recovered	Over(Under)	Recoverable	Recovered	Over(Under)											
Jan 09																	84.81%	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Jan 10																	85.41%	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Sub-2010																	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25									
Sub-2013																	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25			
Sub-2015																	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25	107.25
I AMed + 3 & Recover			6.14		148.52		260.92		260.92								107.26	107.26															260.92	260.92									

Amounts Do Not Include Current Rate Period	Amounts Do Not Include Current Rate Period	Amounts Do Not Include Current Rate Period	Amounts Do Not Include Current Rate Period	Amounts Do Not Include Current Rate Period	Amounts Do Not Include Current Rate Period	Amounts Do Not Include Current Rate Period	Amounts Do Not Include Current Rate Period																												
Vintage 2009 Recoveries	Vintage 2010 Recoveries	Vintage 2011 Recoveries	Vintage 2012 Recoveries	Vintage 2013 Recoveries	Vintage 2014 Recoveries	Vintage 2015 Recoveries	I Recovered Net Lost Revenue																												
MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery	MMWh	Rate	Recovery
58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-	58.00	-	-
59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-	59.10	-	-
58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-	58.67	-	-

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Duke Energy Progress - North Carolina  
Calculation of Net Lost Revenue  
Home Energy Improvement Program Summary

**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	-	-	779	2,773	86	-	3,637
Net Lost Revenue Rate per MWh (\$)	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ 45,954	\$ 163,591	\$ 5,046	\$ -	\$ 214,590

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	1,121	365	-	1,486
Net Lost Revenue Rate per MWh (\$)	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 66,258	\$ 21,549	\$ -	\$ 87,807

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	3,359	2,641	1,176	7,176
Net Lost Revenue Rate per MWh (\$)	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 197,075	\$ 154,985	\$ 68,973	\$ 421,033



**Duke Energy Progress - North Carolina**  
Calculation of Net Lost Revenue  
Lighting Program (Residential) Summary

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**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	-	-	12,596	67,151	1,953	-	81,700
Net Lost Revenue Rate per MWh (\$)	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ 743,163	\$ 3,961,781	\$ 115,210	\$ -	\$ 4,820,155

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	30,162	6,137	-	36,298
Net Lost Revenue Rate per MWh (\$)	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 1,782,431	\$ 362,659	\$ -	\$ 2,145,090

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	90,356	45,909	16,476	152,740
Net Lost Revenue Rate per MWh (\$)	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 5,301,548	\$ 2,693,703	\$ 966,690	\$ 8,961,941





**Duke Energy Progress - North Carolina**  
**Calculation of Net Lost Revenue**  
**Neighborhood Energy Saver Summary**

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**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	-	-	142	1,224	70	-	1,437
Net Lost Revenue Rate per MWh (\$)	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ 8,395	\$ 72,224	\$ 4,153	\$ -	\$ 84,773

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	568	264	-	832
Net Lost Revenue Rate per MWh (\$)	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 33,594	\$ 15,579	\$ -	\$ 49,173

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	1,703	1,728	788	4,219
Net Lost Revenue Rate per MWh (\$)	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 99,919	\$ 101,399	\$ 46,256	\$ 247,574

Duke Energy Progress - North Carolina

Recoverable Sales Reductions from Energy Efficiency Programs (MMH): Neighborhood Energy Saver

Vintage	Vintage_2009				Vintage_2010				Vintage_2011				Vintage_2012				Vintage_2013				Vintage_2014				Vintage_2015				Vintage_2016							
	Additions		Recoverable		Additions		Recoverable		Additions		Recoverable		Additions		Recoverable		Additions		Recoverable		Additions		Recoverable		Additions		Recoverable		Additions		Recoverable		Additions		Recoverable	
	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses	MMH	Losses		
Jan-09																																				
Feb-09																																				
Mar-09																																				
Apr-09																																				
May-09																																				
Jun-09																																				
Jul-09																																				
Aug-09																																				
Sep-09																																				
Oct-09																																				
Nov-09																																				
Dec-09																																				
Sub-TOTAL																																				
Jan-10																																				
Feb-10																																				
Mar-10																																				
Apr-10																																				
May-10																																				
Jun-10																																				
Jul-10																																				
Aug-10																																				
Sep-10																																				
Oct-10																																				
Nov-10																																				
Dec-10																																				
Sub-TOTAL																																				

I Added + Is Recovered	Vintage 2009 Recoveries				Vintage 2010 Recoveries				Vintage 2011 Recoveries				Vintage 2012 Recoveries				Vintage 2013 Recoveries				Vintage 2014 Recoveries				Vintage 2015 Recoveries				I Recovered Net Last Revenue							
	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery						
	58.0			58.0			58.0			58.0			58.0			58.0			58.0			58.0			58.0			58.0			58.0			58.0		

Sub 1944 Test Period Sum of Values (Apr-13 thru Jul-14)  
 Sub 1944 Prospective Period Sum of Values (Apr-14 thru Jul-14)  
 Sub 1944 Rate Period Forecast Sum of Values (Dec-14 thru Nov-15)

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**Duke Energy Progress - North Carolina**  
**Calculation of Net Lost Revenue**  
**Residential Appliance Recycling Summary**

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**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	(2,178)	(141)	1,108	3,435	141	-	2,363
Net Lost Revenue Rate per MWh (\$)	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	
Test Period Net Lost Revenue (\$)	\$ -	\$ (128,512)	\$ (8,326)	\$ 65,342	\$ 202,644	\$ 8,291	\$ -	\$ 139,441

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	1,570	618	-	2,188
Net Lost Revenue Rate per MWh (\$)	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 92,785	\$ 36,540	\$ -	\$ 129,324

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	4,703	4,504	1,543	10,751
Net Lost Revenue Rate per MWh (\$)	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 275,972	\$ 264,297	\$ 90,562	\$ 630,832







**Duke Energy Progress - North Carolina**  
Calculation of Net Lost Revenue  
Residential New Construction Summary

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**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	-	-	-	746	212	-	958
Net Lost Revenue Rate per MWh (\$)	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	\$ 59.00	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 43,987	\$ 12,516	\$ -	\$ 56,503

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	-	-	-	-
Net Lost Revenue Rate per MWh (\$)	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	\$ 59.10	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	1,027	5,036	3,605	9,669
Net Lost Revenue Rate per MWh (\$)	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	\$ 58.67	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 60,284	\$ 295,489	\$ 211,533	\$ 567,306





**Duke Energy Progress - North Carolina**  
Calculation of Net Lost Revenue  
CIG EE Program Summary

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**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	-	-	(2,726)	47,533	5,441	-	50,248
Net Lost Revenue Rate per MWh (\$)	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ (134,919)	\$ 2,352,190	\$ 269,271	\$ -	\$ 2,486,542

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	18,639	11,222	-	29,862
Net Lost Revenue Rate per MWh (\$)	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 924,188	\$ 556,435	\$ -	\$ 1,480,623

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	55,838	60,301	36,287	152,425
Net Lost Revenue Rate per MWh (\$)	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 2,745,056	\$ 2,964,460	\$ 1,783,909	\$ 7,493,425



**Duke Energy Progress - North Carolina**  
Calculation of Net Lost Revenue  
Lighting Program (General Service) Summary

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
<b>Test Period Values (4-1-13 thru 3-31-14)</b>								
Test Period Net Lost MWh	-	-	-	6,232	31,931	927	-	39,090
Net Lost Revenue Rate per MWh (\$)	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ 308,410	\$ 1,580,104	\$ 45,876	\$ -	\$ 1,934,390
<b>Prospective Period Values (4-1-14 thru 7-31-14)</b>								
Prospective Period Net Lost MWh	-	-	-	-	14,338	2,913	-	17,251
Net Lost Revenue Rate per MWh (\$)	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 710,907	\$ 144,455	\$ -	\$ 855,362
<b>Rate Period Values (12-1-14 thru 11-30-15)</b>								
Rate Period Net Lost MWh	-	-	-	-	42,952	21,795	7,816	72,563
Net Lost Revenue Rate per MWh (\$)	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 2,111,561	\$ 1,071,482	\$ 384,266	\$ 3,567,309



**Duke Energy Progress - North Carolina**  
**Calculation of Net Lost Revenue**  
**Small Business Direct Install Program Summary**

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**Test Period Values (4-1-13 thru 3-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Test Period Net Lost MWh	-	-	-	-	2,462	207	-	2,669
Net Lost Revenue Rate per MWh (\$)	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	\$ 49.49	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 121,809	\$ 10,253	\$ -	\$ 132,062

**Prospective Period Values (4-1-14 thru 7-31-14)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Prospective Period Net Lost MWh	-	-	-	-	1,270	761	-	2,031
Net Lost Revenue Rate per MWh (\$)	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	\$ 49.58	
Prospective Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 62,983	\$ 37,729	\$ -	\$ 100,711

**Rate Period Values (12-1-14 thru 11-30-15)**

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Total
Rate Period Net Lost MWh	-	-	-	-	3,805	5,021	2,503	11,330
Net Lost Revenue Rate per MWh (\$)	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	\$ 49.16	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 187,073	\$ 246,861	\$ 123,050	\$ 556,984

Duke Energy Progress - North Carolina

Recoverable Sales Reductions from Energy Efficiency Programs (MMH): Small Business Energy Saver

I Sub	Vintage - 2008			Vintage - 2010			Vintage - 2011			Vintage - 2012			Vintage - 2013			Vintage - 2014			Vintage - 2015			I All Vintages		
	Address	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	Recoverable MWH	Recoverable Additions	
Jan-08																								
Feb-08																								
Mar-08																								
Apr-08																								
May-08																								
Jun-08																								
Jul-08																								
Aug-08																								
Sep-08																								
Oct-08																								
Nov-08																								
Dec-08																								
Sub Total																								

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I Added - 3.4 Recover		I Recovered		I Not Recovered		I Not Recovered		I Not Recovered		I Not Recovered		I Not Recovered		I Not Recovered		I Not Recovered		I Not Recovered		I Not Recovered		I Not Recovered		
MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	MMH	Rate	Recovery	
49.58	49.58	-	49.58	49.58	-	49.58	49.58	-	49.58	49.58	-	49.58	49.58	-	49.58	49.58	-	49.58	49.58	-	49.58	49.58	-	49.58
49.16	49.16	-	49.16	49.16	-	49.16	49.16	-	49.16	49.16	-	49.16	49.16	-	49.16	49.16	-	49.16	49.16	-	49.16	49.16	-	49.16

Sub 1944 Test Period		Sub 1944 Prospective Period		Sub 1944 Rate Period Forecast	
MMH	Rate	Recovery	MMH	Rate	Recovery
49.58	49.58	-	49.58	49.58	-
49.16	49.16	-	49.16	49.16	-

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## Duke Energy Progress - North Carolina Calculation of Net Lost Revenue Rates

		Residential	General Service
<b>Adjusted Base Revenue per MWh (\$)</b>			
1	Revenues (\$000s)	\$ 1,559,526	\$ 1,010,791
2	Customer Charge Revenues (\$000s)	128,634	36,437
3	Revenues Net of Customer Charge	<i>Lines 1 - 2</i> \$ 1,430,892	\$ 974,354
4	Fuel Revenue (\$000s)	454,509	349,576
5	Adjusted Net Margin (with GRT)	<i>Lines 3 - 4</i> \$ 976,383	\$ 624,778
6	GRT in Net Margin	<i>.0322 X Line 5</i> 31,440	20,118
7	Net Margin (w/o GRT)	<i>Lines 5 - 6</i> \$ 944,944	\$ 604,661
8	Sales (MWhs)	15,249,395	11,911,210
9	Adjusted Base Revenue per MWh (\$)	<i>Lines 7 / 8</i> \$ 61.97	\$ 52.45
<b>Net Lost Revenue Rate for Test Period</b>			
10	Adjusted Base Revenue per MWh (\$)	<i>Line 9</i> \$ 61.97	\$ 52.45
11	2013 Rate Variable O&M Rate per MWh	<i>From CSP Study</i> \$ 3.00	\$ 3.00
12	Months in 2013 Calendar Period	<i>Apr-Dec</i> 9.0	9.0
13	Product of 2013 Months X VOM Rate	<i>Lines 11 x 12</i> \$ 27.00	\$ 27.00
14	2014 Rate Variable O&M Rate per MWh	<i>From CSP Study</i> \$ 2.87	\$ 2.87
15	Months in 2014 Calendar Period	<i>Jan-Mar</i> 3.0	3.0
16	Product of 2014 Months X VOM Rate	<i>Lines 14 x 15</i> \$ 8.61	\$ 8.61
17	Weighted Variable O&M Rate per MWh	<i>Lines(13 + 16)/12</i> \$ 2.97	\$ 2.97
18	Net per MWh Rate for Test Period Calculations	<i>Lines 13 - 17</i> \$ 59.00	\$ 49.49
<b>Net Lost Revenue Rate for Prospective Period</b>			
19	Adjusted Base Revenue per MWh (\$)	<i>Line 9</i> \$ 61.97	\$ 52.45
20	2014 Rate Variable O&M Rate per MWh	<i>Line 14</i> 2.87	2.87
21	Net per MWh Rate for Prospective Period	<i>Lines 19 - 20</i> \$ 59.10	\$ 49.58
<b>Net Lost Revenue Rate for Rate Period</b>			
22	Adjusted Base Revenue per MWh (\$)	<i>Line 9</i> \$ 61.97	\$ 52.45
23	2014 Rate Variable O&M Rate per MWh	<i>From CSP Study</i> \$ 2.87	\$ 2.87
24	Months in 2014 Calendar Period	<b>Dec-14</b> 1.0	1.0
25	Product of 2014 Months X VOM Rate	<i>Lines 23 x 24</i> \$ 2.87	\$ 2.87
26	2015 Rate Variable O&M Rate per MWh	<i>From CSP Study</i> \$ 3.33	\$ 3.33
27	Months in 2015 Calendar Period	<b>Jan-Nov 2015</b> 11.0	11.0
28	Product of 2015 Months X VOM Rate	<i>Lines 26 x 27</i> \$ 36.63	\$ 36.63
29	Weighted Variable O&M Rate per MWh	<i>Lines(25 + 28)/12</i> \$ 3.29	\$ 3.29
30	Net per MWh Rate for Rate Period Calculations	<i>Lines 22 - 29</i> \$ 58.67	\$ 49.16

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# Duke Energy Progress, Inc.

## Calculation of Revised Program Performance Incentives

### 2010 Vintage

		Residential Appliance Recycling
1	Present Value of Avoided Costs	<i>W/P E-1</i>
2	Present Value of Program Costs	<i>W/P D-1A</i>
3	Net Program Benefits	
4	NC Allocation Factor	<i>Line C Below</i>
5	NC Allocated Utility Cost Test	<i>Lines 3 X 4</i>
6	DSM Program Incentive at 8%	<i>Lines 5 X 8%</i>
7	EE Program Incentive at 13%	<i>Lines 5 X 13%</i>
8	Program Performance Incentive (PPI)	<i>Lines 6 + 7</i>
9	Income Tax Rate	<i>Docket No. E-2, Sub 1002</i>
10	Income Taxes	<i>-(Lines 8 X 9)</i>
11	Net-of-Tax PPI - Total NPV	<i>Lines 9 + 10</i>
12	Rev Vintage Year 2010 - Year 1 PPI	$\frac{\text{Line 11} \times 0.088605 \times (1 + 0.088605)^{10}}{(1 + 0.088605)^{10} - 1}$
13	Income Tax Gross-Up Factor	<i>1 - Line 9</i>
14	Adjusted PPI	<i>Line 12 / Line 13</i>
15	PPI Values for Test Period	<i>Line 14</i>
16	Original Vintage 2010 PPI	<i>Docket No. E-2, Sub 1019</i>
17	PPI Over / (Under) Collection	<i>Line 16 - Line 15</i>
18	Years at Original PPI Level	<i>April 2012 through March 2014</i>
19	Cumulative PPI Over/(Under) Collection	<i>Lines 17 X 18</i>
20	Carrying Costs at 7.5841%	<i>Line 18 X Line 19 X 7.5841</i>
	<i>Collection Midpoint to Refund Midpoint (6/1/11 to 6/1/13)</i>	
21	PPI Over/(Under) Collection w/CCost	<i>Lines 19 + 20</i>

### Allocation Factors

A	01-2010 thru 04-2010	<i>Docket E-2, Sub 1002</i>
B	05-2010 thru 12-2010	<i>Docket E-2, Sub 1002</i>
C	Weighted Allocation	<i>(Line A x 4 + Line B x 8) / 12</i>

# Duke Energy Progress, Inc.

## Calculation of Verified Program Performance Incentives

### 2011 Vintage

Appliance Recycling
------------------------

1	Present Value of Avoided Costs	WP E-2	\$ 2,438,995
2	Present Value of Program Costs	WP D-1A	1,275,400
3	Net Program Benefits		<u>\$ 1,163,595</u>
4	NC Allocation Factor	Line C Below	85.49%
5	NC Allocated Utility Cost Test	Lines 3 X 4	<u>\$ 994,758</u>
6	DSM Program Incentive at 8%	Lines 5 X 8%	
7	EE Program Incentive at 13%	Lines 5 X 13%	<u>\$ 129,318</u>
8	Program Performance Incentive (PPI)	Lines 6 + 7	<u>\$ 129,318</u>
9	Income Tax Rate	Docket E-2, Sub 1019 WP D-1	39.21%
10	Income Taxes	-(Lines 8 X 9)	<u>\$ (50,699)</u>
11	Net-of-Tax PPI - Total NPV	Lines 9 + 10	<u>\$ 78,619</u>
12	Rev Vintage Year 2011 - Year 1 PPI	$\frac{\text{Line 11} \times 0.088054 \times (1 + 0.088054)^{10}}{(1 + 0.088054)^{10} - 1}$	<u>\$ 12,146</u>
13	Income Tax Gross-Up Factor	1 - Line 9	<u>60.80%</u>
14	Adjusted PPI	Line 12 / Line 13	<u>\$ 19,978</u>
15	PPI Value	Line 14	<u>\$ 19,978</u>
16	Revised Vintage 2011 PPI	Docket E-2, Sub 1030 Appendix F	20,592
17	PPI Over / (Under) Collection	Line 16 - Line 15	<u>\$ 614</u>
18	Years at Original PPI Level	April 2013 through March 2014	<u>1.0</u>
19	Cumulative PPI Over/(Under) Collection	Lines 17 X 18	<u>\$ 614.18</u>
20	Carrying Costs at 7.5841%	Line 18 X Line 19 X 7.5841 Collection Midpoint to Refund Midpoint (6/1/11 to 6/1/13)	<u>\$ 46.58</u>
21	PPI Over/(Under) Collection w/CCost	Lines 19 + 20	<u><u>\$ 660.76</u></u>

### Allocation Factors

A	01-2011 thru 04-2011	Docket E-2, Sub 1002	85.41%
B	05-2011 thru 12-2011	Docket E-2, Sub 1002	85.53%
C	Weighted Allocation	(Line A x 4 + Line B x 8) / 12	85.49%

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**Duke Energy Progress, Inc.**  
Calculation of Verified Program Performance Incentives

**2012 Vintage**

		CIG Demand Response	Residential Home Advantage	Home Energy Improvement Program	CIG Energy Efficiency	EnergyWise	Residential Appliance Recycling	Residential Benchmarking	Lighting Program Residential	Lighting Program Gen Svc	
1	Present Value of Avoided Costs	WP E-3	\$ 2,927,451	\$ 4,537,613	\$ 12,343,264	\$ 49,928,703	\$ 32,433,730	\$ 3,550,928	\$ 1,093,553	\$ 38,978,584	\$ 9,574,732
2	Present Value of Program Costs	WP D-1A	1,002,683	1,029,138	6,024,847	7,985,396	8,016,985	1,307,877	771,059	5,668,287	688,433
3	Net Program Benefits		\$ 1,924,768	\$ 3,508,474	\$ 6,318,417	\$ 41,943,307	\$ 24,416,745	\$ 2,243,051	\$ 322,494	\$ 33,310,297	\$ 8,886,299
4	NC Allocation Factor	WP B	86.58%	85.79%	85.79%	85.79%	86.58%	85.79%	85.79%	85.79%	85.79%
5	NC Allocated Utility Cost Test	Lines 3 X 4	\$ 1,666,528	\$ 3,009,920	\$ 5,420,570	\$ 35,983,163	\$ 21,140,832	\$ 1,924,314	\$ 276,668	\$ 28,576,904	\$ 7,623,556
6	DSM Program Incentive at 8%	Lines 5 X 8%	\$ 133,322	\$ -	\$ -	\$ -	\$ 1,691,267	\$ -	\$ -	\$ -	\$ -
7	EE Program Incentive at 13%	Lines 5 X 13%	\$ -	\$ 391,290	\$ 704,674	\$ 4,677,811	\$ -	\$ 250,161	\$ 35,967	\$ 3,714,998	\$ 991,062
8	Program Performance Incentive (PPI)	Lines 6 + 7	\$ 133,322	\$ 391,290	\$ 704,674	\$ 4,677,811	\$ 1,691,267	\$ 250,161	\$ 35,967	\$ 3,714,998	\$ 991,062
9	Income Tax Rate	Docket E-2, Sub 1019	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%
10	Income Taxes	-(Lines 8 X 9)	\$ (52,269)	\$ (153,405)	\$ (276,267)	\$ (1,833,936)	\$ (663,061)	\$ (98,076)	\$ (14,101)	\$ (1,456,465)	\$ (388,546)
11	Net-of-Tax PPI - Total NPV	Lines 9 + 10	\$ 81,053	\$ 237,885	\$ 428,407	\$ 2,843,875	\$ 1,028,205	\$ 152,085	\$ 21,866	\$ 2,258,533	\$ 602,516
12	Rev Vintage Year 2012 - Year 1 PPI	Line 11 x 0.088054 x (1 + 0.088054) <sup>10</sup> (1 + 0.088054) <sup>10</sup> - 1	\$ 12,522	\$ 36,750	\$ 66,184	\$ 439,344	\$ 158,845	\$ 23,495	\$ 35,967	\$ 348,916	\$ 93,082
13	Income Tax Gross-Up Factor	1 - Line 9	60.80%	60.80%	60.80%	60.80%	60.80%	60.80%	60.80%	60.80%	60.80%
14	Adjusted PPI	Line 12 / Line 13	\$ 20,597	\$ 60,450	\$ 108,864	\$ 722,666	\$ 261,280	\$ 38,647	\$ 59,161	\$ 573,922	\$ 153,107
15	PPI Value	Line 14	\$ 20,597	\$ 60,450	\$ 108,864	\$ 722,666	\$ 261,280	\$ 38,647	\$ 59,161	\$ 573,922	\$ 153,107
16	Original Vintage 2012 PPI	Docket E-2, Sub 1030	18,260	61,564	85,914	762,389	305,681	29,002	4,948	536,893	134,590
17	PPI Over / (Under) Collection	Line 16 - Line 15	\$ (2,337)	\$ 1,115	\$ (22,950)	\$ 39,724	\$ 44,400	\$ (9,644)	\$ (54,213)	\$ (37,029)	\$ (18,517)
18	Years at Original PPI Level	April 2012 through March 2013	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19	Cumulative PPI Over/(Under) Collection	Lines 17 X 18	\$ (2,336.98)	\$ 1,114.90	\$ (22,949.99)	\$ 39,723.53	\$ 44,400.48	\$ (9,644.38)	\$ (54,212.68)	\$ (37,029.38)	\$ (18,517.44)
20	Carrying Costs at 8.8054% Collection Midpoint to Refund Midpoint (6/1/12 to 6/1/14)	Line 18 X Line 19 X 8.8054	\$ (205.78)	\$ 98.17	\$ (2,020.84)	\$ 3,497.82	\$ 3,909.64	\$ (849.23)	\$ (4,773.64)	\$ (3,260.59)	\$ (1,630.53)
21	PPI Over/(Under) Collection w/CCost	Lines 19 + 20	\$ (2,542.76)	\$ 1,213.07	\$ (24,970.83)	\$ 43,221.35	\$ 48,310.12	\$ (10,493.60)	\$ (58,986.33)	\$ (40,289.97)	\$ (20,147.97)

**Allocation Factors**

A	01-2012 thru 04-2012	WP B	86.49%	85.53%	85.53%	85.53%	86.49%	85.53%	85.53%	85.53%	85.53%
B	05-2012 thru 12-2012	WP B	86.63%	85.92%	85.92%	85.92%	86.63%	85.92%	85.92%	85.92%	85.92%
C	Weighted Allocation	(Line A x 4 + Line B x 8) / 12	86.58%	85.79%	85.79%	85.79%	86.58%	85.79%	85.79%	85.79%	85.79%

**Duke Energy Progress, Inc.**  
**PROGRAM COSTS AND INCENTIVES**

<b>Program Incentives (Summary)</b>	<b>YTD 2009 A</b>	<b>YTD 2010 A</b>	<b>YTD 2011 A</b>	<b>YTD 2012 A</b>	<b>YTD 2013 A</b>	<b>2014 EST</b>
RES HOME ENERGY IMPROVEMENTS	1,596,369	5,911,428	4,940,264	4,248,084	3,552,677	3,958,104
HOME ADVANTAGE	161,700	609,200	1,174,600	883,700	33,300	-
ENERGYWISE	288,775	1,231,950	2,088,825	2,434,175	2,878,625	3,075,338
ENERGY EFFICIENCY FOR BUSINESS	1,484,920	3,881,069	5,942,500	5,264,253	5,902,848	5,737,977
CIG DEMAND RESPONSE	2,040	463,875	991,436	664,917	904,092	1,345,000
RESIDENTIAL LIGHTING	-	5,173,950	3,967,465	4,049,323	7,063,440	4,378,520
APPLIANCE RECYCLING PROGRAM	-	324,600	379,550	426,550	439,910	437,500
RES BENCHMARKING	-	-	-	-	-	-
SMALL BUSINESS DIRECT INSTALL	-	-	-	-	3,044,571	6,900,000
RES NEW CONSTRUCTION	-	-	-	-	1,124,700	5,928,650
<b>Total</b>	<b>3,533,804</b>	<b>17,596,072</b>	<b>19,484,639</b>	<b>17,971,002</b>	<b>24,944,163</b>	<b>31,761,089</b>

<b>Total Program Expenses</b>	<b>YTD 2009 A</b>	<b>YTD 2010 A</b>	<b>YTD 2011 A</b>	<b>YTD 2012 A</b>	<b>YTD 2013 A</b>	<b>2014 EST</b>
RES HOME ENERGY IMPROVEMENTS	2,809,135	7,756,442	6,473,411	6,024,847	5,419,581	6,006,955
HOME ADVANTAGE	691,574	1,080,571	1,610,520	1,029,138	67,611	6,995
ENERGYWISE	4,644,413	6,239,359	11,859,041	8,016,985	9,709,664	9,749,303
ENERGY EFFICIENCY FOR BUSINESS	3,372,021	6,239,359	8,628,963	7,985,396	8,424,007	9,584,277
CIG DEMAND RESPONSE	310,554	1,025,677	1,560,411	1,002,683	1,353,172	1,856,828
RESIDENTIAL LIGHTING	248,652	6,517,118	5,871,613	6,356,720	9,235,376	6,419,565
APPLIANCE RECYCLING PROGRAM	55,941	1,036,855	1,275,400	1,307,877	1,473,097	1,492,592
RES BENCHMARKING	-	65,026	691,232	771,059	591,861	659,907
SMALL BUSINESS DIRECT INSTALL	-	-	15,595	196,544	3,345,513	7,480,000
RES NEW CONSTRUCTION	-	-	-	216,763	2,348,349	7,361,549
<b>Total</b>	<b>12,132,290</b>	<b>29,960,407</b>	<b>37,986,186</b>	<b>32,908,013</b>	<b>41,968,229</b>	<b>50,617,971</b>

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T:Program Identifier	T:Rebate Number	Premise Count	T:Rebate Paid Amt (Sum)	T:Measure Category	T:Measure Subcategory
Energy Efficiency for Business (EEB)		225	1,792,763		Custom
		99	1,265,698		Prescriptive HVAC
		795	18,184,130		Prescriptive Lighting
		4	177,730		Prescriptive Motor
		37	299,237		Prescriptive Refrigeration
		11	322,038		Technical Assistance
		1,171	22,041,595		Grand Total
T:Program Identifier	T:Rebate Number	Premise Count	T:Rebate Paid Amt (Sum)	T:Measure Category	T:Measure Subcategory
Residential Home Advantage (RHA)		795	825,500		Air Source Heat Pump Total
		40	137,600		Central Air Conditioner Total
		20	42,200		Geothermal Heat Pump Total
		1,485	887,500		HA Package Total
		2,340	1,892,800		Grand Total
T:Program Identifier	T:Rebate Number	Premise Count	T:Rebate Paid Amt (Sum)	T:Measure Category	T:Measure Subcategory
Residential Home Energy Improvement Program		1,214	1,118,280		Window 1-pane Total
		3,139	745,812		Duct Testing/Repair Total
		1,904	578,596		Insulation/Air Sealing Total
		4,382	1,631,700		Air Source Heat Pump Total
		1,576	639,300		Central Air Conditioner Total
		84	39,300		Geothermal Heat Pump Total
		326	14,275		Room Air Conditioner Total
		537	47,925		Tune Up 1 Total
		8,082	817,400		Tune Up 2 Total
		98	35,000		Heat Pump Water Heater Total
		21,342	5,667,589		Grand Total

# Duke Energy Progress, Inc.

Calculation of Incremental Costs for DR ProgramVintage

## EnergyWise

	Source	Vintage Periods						
		2009	2010	2011	2012	2013	2014-Est	
1	Program Costs	<i>WP D-10</i>	\$ 4,644,413	\$ 6,239,359	\$ 11,859,041	\$ 8,016,985	\$ 9,709,664	\$ 9,749,303
2	Less: Incentives	<i>WP D-10</i>	288,775	1,231,950	2,088,825	2,434,175	2,878,625	3,075,338
3	Program Costs Less Incentives	<i>Lines 1 - 2</i>	\$ 4,355,638	\$ 5,007,409	\$ 9,770,216	\$ 5,582,810	\$ 6,831,039	\$ 6,673,965
4	EOY Participants	<i>Company Records</i>	11,299	47,528	81,544	94,447	109,868	124,802
5	Prior EOY Participants	<i>Line 4<sub>n-1</sub></i>	-	11,299	47,528	81,544	94,447	109,868
6	Incremental Participants	<i>Lines 4 - 5</i>	11,299	36,229	34,016	12,903	15,421	14,934
7	Avg Program Costs net of Incentives	<i>Lines 3 / 4</i>	\$ 385	\$ 105	\$ 120	\$ 59	\$ 62	\$ 53
8	Incentives (Overall)	<i>@ \$25</i>	282,474.17	1,188,201	2,038,604	2,361,179	2,746,700	3,120,050
9	Incentives (Incremental)	<i>@ \$25</i>	282,474.17	905,727	850,402	322,575	385,521	373,350
10	PV of Inc. Incentives (n=30, I = 8.03 %)	<i>PV (Line 9)</i>	\$ 3,171,053	\$ 10,167,688	\$ 9,546,612	\$ 3,621,225	\$ 4,327,857	\$ 4,191,225
11	Program Costs net of Incentives (For Incremental Customers)	<i>Lines 6 x 7</i>	4,355,638	3,816,985	4,075,640	762,702	958,790	798,617
12	PV of Costs and Incentives	<i>Lines 10 + 11</i>	\$ 7,526,692	\$ 13,984,673	\$ 13,622,252	\$ 4,383,926	\$ 5,286,647	\$ 4,989,842
13	PV + 5% EM&V Loadings	<i>Line 12 * 1.05</i>	\$ 7,903,026	\$ 14,683,907	\$ 14,303,365	\$ 4,603,123	\$ 5,550,980	\$ 5,239,334

# Duke Energy Progress, Inc.

Calculation of Incremental Costs for DR ProgramVintage

## CIG DR

	Source	Vintage Periods						
		2009	2010	2011	2012	2013	2014-Est	
1	Program Costs	<i>WP D-10</i>	\$ 310,554	\$ 1,025,677	\$ 1,560,411	\$ 1,002,683	\$ 1,353,172	\$ 1,856,828
2	Less: Incentives	<i>WP D-10</i>	2,040	463,875	991,436	664,917	904,092	1,345,000
3	Program Costs Less Incentives	<i>Lines 1 - 2</i>	\$ 308,514	\$ 561,802	\$ 568,975	\$ 337,766	\$ 449,080	\$ 511,828
4	EOY Contract Levels	<i>Company Records</i>	816	7,756	13,492	15,700	17,069	22,069
5	Prior EOY Contract Levels	<i>Line 4<sub>n-1</sub></i>	-	816	7,756	13,492	15,700	17,069
6	Incremental Contract Levels	<i>Lines 4 - 5</i>	816	6,940	5,736	2,208	1,369	5,000
7	Avg Program Costs net of Incentives	<i>Lines 3 / 4</i>	\$ 378	\$ 72	\$ 42	\$ 22	\$ 26	\$ 23
8	Incentives (Overall)	<i>@ \$45</i>	36,720	349,020	607,140	706,507	768,112	993,112
9	Incentives (Incremental)	<i>@ \$45</i>	36,720	312,300	258,120	99,367	61,605	225,000
10	PV of Incentives (n=30, I = 8.03 %)	<i>PV (Line 9)</i>	\$ 412,218	\$ 3,505,878	\$ 2,897,653	\$ 1,115,496	\$ 691,577	\$ 2,525,848
11	Program Costs net of Incentives (For Incremental Customers)	<i>Lines 6 x 7</i>	308,514	502,696	241,895	47,505	36,018	115,960
12	PV of Costs and Incentives	<i>Lines 10 + 11</i>	\$ 720,732	\$ 4,008,573	\$ 3,139,548	\$ 1,163,001	\$ 727,595	\$ 2,641,809
13	PV + 5% EM&V Loadings	<i>Line 12 * 1.05</i>	\$ 756,769	\$ 4,209,002	\$ 3,296,525	\$ 1,221,151	\$ 763,975	\$ 2,773,899

# Workpapers

## Section E – Revenue Requirement Adjustments



PROGRAM: DEP Residential Appliance Recycling - Vintage Year-2010

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	161	28	30	219	712	189	902	-683
2011	165	28	30	223	0	0	0	223
2012	179	29	31	239	0	0	0	239
2013	185	30	31	246	0	0	0	246
2014	268	30	32	330	0	0	0	330
2015	280	31	33	344	0	0	0	344
2016	294	32	33	359	0	0	0	359
2017	308	32	34	374	0	0	0	374
2018	327	33	35	394	0	0	0	394
2019	343	34	35	412	0	0	0	412
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
NOMINAL	2,510	306	325	3,140	712	189	902	2,239
NPV	1,713	219	232	2,163	712	189	902	1,262

Utility Discount Rate = 8.03  
Benefit Cost Ratio = 2.399

PROGRAM: DEP Residential Appliance Recycling - Vintage Year-2011

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	173	30	32	235	896	218	1,114	-661
2012	188	31	32	251	0	0	0	251
2013	194	31	33	259	0	0	0	259
2014	282	32	34	348	0	0	0	348
2015	296	33	34	363	0	0	0	363
2016	310	33	35	378	0	0	0	378
2017	324	34	36	394	0	0	0	394
2018	344	35	37	415	0	0	0	415
2019	362	35	37	435	0	0	0	435
2020	380	36	38	455	0	0	0	455
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
NOMINAL	2,854	329	349	3,532	896	218	1,114	2,636
NPV	1,954	235	249	2,439	896	218	1,114	1,543

Utility Discount Rate = 8.03  
Benefit Cost Ratio = 2.189

**PROGRAM: DEP Residential Appliance Recycling - Vintage Year-2012**

**Total Resource Cost (TRC) Test**

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	257	41	44	342	881	257	1,138	-539
2013	264	43	45	352	0	0	0	352
2014	383	43	46	472	0	0	0	472
2015	401	44	47	492	0	0	0	492
2016	420	45	48	513	0	0	0	513
2017	441	46	49	535	0	0	0	535
2018	467	47	50	563	0	0	0	563
2019	491	48	51	589	0	0	0	589
2020	516	49	52	616	0	0	0	616
2021	537	50	53	640	0	0	0	640
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
<b>NOMINAL</b>	<b>4,175</b>	<b>456</b>	<b>482</b>	<b>5,114</b>	<b>881</b>	<b>257</b>	<b>1,138</b>	<b>4,232</b>
<b>NPV</b>	<b>2,880</b>	<b>326</b>	<b>345</b>	<b>3,551</b>	<b>881</b>	<b>257</b>	<b>1,138</b>	<b>2,670</b>

Utility Discount Rate = 8.03  
**Benefit Cost Ratio = 3.119**

**PROGRAM: DEP Residential Home Energy Improvement - Vintage Year-2012**

<b>Total Resource Cost (TRC) Test</b>								
YEAR	<b>BENEFITS</b>				<b>COSTS</b>			<b>TRC NET BENEFITS \$(000)</b>
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	358	336	357	1,051	1,777	9,399	11,176	-10,125
2013	369	341	360	1,071	0	0	0	1,071
2014	511	348	367	1,226	0	0	0	1,226
2015	495	355	375	1,224	0	0	0	1,224
2016	517	362	382	1,261	0	0	0	1,261
2017	544	369	390	1,303	0	0	0	1,303
2018	585	376	398	1,359	0	0	0	1,359
2019	617	384	406	1,407	0	0	0	1,407
2020	657	392	414	1,463	0	0	0	1,463
2021	682	397	419	1,497	0	0	0	1,497
2022	553	313	331	1,197	0	0	0	1,197
2023	571	319	337	1,228	0	0	0	1,228
2024	600	326	344	1,271	0	0	0	1,271
2025	637	332	351	1,320	0	0	0	1,320
2026	663	339	358	1,360	0	0	0	1,360
2027	323	128	135	585	0	0	0	585
2028	343	130	137	610	0	0	0	610
2029	359	133	140	632	0	0	0	632
2030	239	86	91	417	0	0	0	417
2031	246	88	93	427	0	0	0	427
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
<b>NOMINAL</b>	<b>9,869</b>	<b>5,853</b>	<b>6,185</b>	<b>21,908</b>	<b>1,777</b>	<b>9,399</b>	<b>11,176</b>	<b>10,731</b>
<b>NPV</b>	<b>5,310</b>	<b>3,419</b>	<b>3,614</b>	<b>12,343</b>	<b>1,777</b>	<b>9,399</b>	<b>11,176</b>	<b>1,167</b>

Utility Discount Rate = 8.03  
**Benefit Cost Ratio = 1.104**

**PROGRAM: DEP Residential Energy Efficiency Benchmarking - Vintage Year-2012**

**Total Resource Cost (TRC) Test**

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	655	213	226	1,094	771	0	771	322
2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
NOMINAL	655	213	226	1,094	771	0	771	322
NPV	655	213	226	1,094	771	0	771	322

Utility Discount Rate = 8.03  
**Benefit Cost Ratio = 1.418**

PROGRAM: DEP Residential Home Advantage- Vintage Year-2012

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	153	64	68	284	145	2,324	2,469	-2,185
2013	159	66	69	294	0	0	0	294
2014	227	67	71	364	0	0	0	364
2015	232	68	72	373	0	0	0	373
2016	243	70	73	386	0	0	0	386
2017	255	71	75	401	0	0	0	401
2018	271	72	76	420	0	0	0	420
2019	286	74	78	438	0	0	0	438
2020	303	75	80	458	0	0	0	458
2021	314	77	81	472	0	0	0	472
2022	328	78	83	489	0	0	0	489
2023	339	80	84	503	0	0	0	503
2024	357	81	86	525	0	0	0	525
2025	377	83	88	548	0	0	0	548
2026	395	85	90	569	0	0	0	569
2027	374	77	81	532	0	0	0	532
2028	396	79	83	557	0	0	0	557
2029	414	80	85	579	0	0	0	579
2030	428	82	86	596	0	0	0	596
2031	439	83	88	610	0	0	0	610
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
NOMINAL	6,289	1,512	1,597	9,398	145	2,324	2,469	6,928
NPV	2,949	773	816	4,538	145	2,324	2,469	2,068

Utility Discount Rate = 8.03  
Benefit Cost Ratio = 1.838

PROGRAM: DEP CIG Energy Efficiency for Business - Vintage Year-2012

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	2,449	837	890	4,176	2,721	15,664	18,385	1,455
2013	2,536	860	908	4,303	0	0	0	4,303
2014	3,623	877	926	5,426	0	0	0	5,426
2015	3,730	894	945	5,569	0	0	0	5,569
2016	3,897	912	963	5,773	0	0	0	5,773
2017	4,078	930	983	5,991	0	0	0	5,991
2018	4,339	949	1,002	6,290	0	0	0	6,290
2019	4,556	968	1,023	6,546	0	0	0	6,546
2020	4,797	987	1,043	6,828	0	0	0	6,828
2021	4,994	1,007	1,064	7,065	0	0	0	7,065
2022	1,789	402	424	2,615	0	0	0	2,615
2023	1,850	410	433	2,693	0	0	0	2,693
2024	1,948	418	442	2,807	0	0	0	2,807
2025	1,918	421	445	2,783	0	0	0	2,783
2026	2,005	429	454	2,888	0	0	0	2,888
2027	1,883	400	422	2,705	0	0	0	2,705
2028	2,005	408	431	2,843	0	0	0	2,843
2029	2,094	416	439	2,949	0	0	0	2,949
2030	2,166	424	448	3,039	0	0	0	0
2031	2,241	433	457	3,131	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
NOMINAL	58,898	13,382	14,141	86,421	2,721	15,664	18,385	77,530
NPV	33,517	7,978	8,433	49,929	2,721	15,664	18,385	45,729

Utility Discount Rate = 8.03  
Benefit Cost Ratio = 2.716

**PROGRAM: DEP Lighting-Business - Vintage Year-2012**

<b>Total Resource Cost (TRC) Test</b>								
YEAR	<b>BENEFITS</b>				<b>COSTS</b>			<b>TRC NET BENEFITS</b> \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) <b>TOTAL BENEFITS</b> \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) <b>TOTAL COSTS</b> \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	1,594	414	440	2,448	250	524	774	1,675
2013	1,857	479	506	2,842	0	0	0	2,842
2014	2,956	543	574	4,073	0	0	0	4,073
2015	625	112	118	855	0	0	0	855
2016	328	57	60	445	0	0	0	445
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
<b>NOMINAL</b>	<b>7,359</b>	<b>1,606</b>	<b>1,699</b>	<b>10,664</b>	<b>250</b>	<b>524</b>	<b>774</b>	<b>9,890</b>
<b>NPV</b>	<b>6,582</b>	<b>1,454</b>	<b>1,539</b>	<b>9,575</b>	<b>250</b>	<b>524</b>	<b>774</b>	<b>8,801</b>

Utility Discount Rate = 8.03  
**Benefit Cost Ratio = 12.372**



PROGRAM: DEP Lighting-Residential - Vintage Year-2012

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	3,174	459	488	4,121	2,058	4,312	6,370	2,063
2013	3,688	530	560	4,779	0	0	0	4,779
2014	5,919	602	636	7,156	0	0	0	7,156
2015	6,253	614	648	7,515	0	0	0	7,515
2016	6,557	626	661	7,844	0	0	0	7,844
2017	6,867	639	675	8,180	0	0	0	8,180
2018	7,307	651	688	8,646	0	0	0	8,646
2019	1,555	134	142	1,831	0	0	0	1,831
2020	819	68	72	960	0	0	0	960
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
NOMINAL	42,138	4,323	4,570	51,032	2,058	4,312	6,370	48,974
NPV	32,044	3,371	3,564	38,979	2,058	4,312	6,370	36,921

Utility Discount Rate = 8.03  
Benefit Cost Ratio = 6.119

PROGRAM: DEP EnergyWise - Vintage Year-2012

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	TOTAL FUEL & O&M SAVINGS \$(000)	AVOIDED T&D CAP. COSTS \$(000)	AVOIDED GEN. CAP. COSTS \$(000)	TOTAL BENEFITS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT'S COST \$(000)	TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	192	0	2,290	2,482	763	0	763	1,719
2013	197	0	2,336	2,534	0	0	0	2,534
2014	200	0	2,383	2,583	0	0	0	2,583
2015	-106	0	2,430	2,325	0	0	0	2,325
2016	-133	0	2,479	2,346	0	0	0	2,346
2017	-146	0	2,529	2,382	0	0	0	2,382
2018	-103	0	2,579	2,476	0	0	0	2,476
2019	-129	0	2,631	2,502	0	0	0	2,502
2020	-99	0	2,683	2,585	0	0	0	2,585
2021	-95	0	2,737	2,642	0	0	0	2,642
2022	-91	0	2,792	2,701	0	0	0	2,701
2023	-118	0	2,848	2,730	0	0	0	2,730
2024	-97	0	2,905	2,808	0	0	0	2,808
2025	-110	0	2,963	2,853	0	0	0	2,853
2026	-47	0	3,022	2,975	0	0	0	2,975
2027	-92	0	3,083	2,990	0	0	0	2,990
2028	-93	0	3,144	3,052	0	0	0	3,052
2029	-41	0	3,207	3,165	0	0	0	3,165
2030	-73	0	3,271	3,198	0	0	0	3,198
2031	-68	0	3,337	3,269	0	0	0	3,269
2032	-79	0	3,403	3,324	0	0	0	3,324
2033	-82	0	3,471	3,389	0	0	0	3,389
2034	-78	0	3,541	3,463	0	0	0	3,463
2035	-88	0	3,612	3,523	0	0	0	3,523
2036	-103	0	3,684	3,581	0	0	0	3,581
2037	-91	0	3,757	3,667	0	0	0	3,667
2038	-93	0	3,833	3,739	0	0	0	3,739
2039	-111	0	3,909	3,799	0	0	0	3,799
NOMINAL	-1,778	0	84,859	83,081	763	0	763	82,318
NPV	-382	0	32,815	32,434	763	0	763	31,671

Utility Discount Rate = 8.03  
Benefit Cost Ratio = 42.525

PROGRAM: DEP CIG Demand Response - Vintage Year-2012

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	18	0	204	222	48	0	48	175
2013	19	0	208	227	0	0	0	227
2014	21	0	212	233	0	0	0	233
2015	-7	0	216	209	0	0	0	209
2016	-10	0	221	211	0	0	0	211
2017	-11	0	225	214	0	0	0	214
2018	-7	0	230	222	0	0	0	222
2019	-9	0	234	225	0	0	0	225
2020	-5	0	239	234	0	0	0	234
2021	-5	0	244	239	0	0	0	239
2022	-5	0	249	243	0	0	0	243
2023	-6	0	254	247	0	0	0	247
2024	-6	0	259	253	0	0	0	253
2025	-5	0	264	259	0	0	0	259
2026	2	0	269	271	0	0	0	271
2027	-2	0	274	273	0	0	0	273
2028	-4	0	280	276	0	0	0	276
2029	1	0	286	286	0	0	0	286
2030	0	0	291	291	0	0	0	291
2031	-1	0	297	296	0	0	0	296
2032	-1	0	303	302	0	0	0	302
2033	-1	0	309	308	0	0	0	308
2034	-1	0	315	314	0	0	0	314
2035	-4	0	322	318	0	0	0	318
2036	-4	0	328	324	0	0	0	324
2037	-2	0	335	333	0	0	0	333
2038	0	0	341	341	0	0	0	341
2039	-3	0	348	346	0	0	0	346
NOMINAL	-38	0	7,556	7,518	48	0	48	7,471
NPV	5	0	2,922	2,927	48	0	48	2,880

Utility Discount Rate = 8.03  
Benefit Cost Ratio = 61.624

PROGRAM: DEP Residential Appliance Recycling - Vintage Year-2013

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	260	40	30	330	1,033	265	1,298	-967
2014	252	42	30	324	0	0	0	324
2015	251	43	31	325	0	0	0	325
2016	252	43	32	327	0	0	0	327
2017	256	44	33	333	0	0	0	333
2018	270	45	33	349	0	0	0	349
2019	291	46	34	371	0	0	0	371
2020	383	48	35	466	0	0	0	466
2021	389	49	36	473	0	0	0	473
2022	409	50	36	495	0	0	0	495
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	3,013	450	330	3,793	1,033	265	1,298	2,495
NPV	2,212	337	247	2,797	1,033	265	1,298	1,499

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 2.155

PROGRAM: DEP Residential Home Advantage - Vintage Year-2013

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	TOTAL FUEL & O&M SAVINGS \$(000)	AVOIDED T&D CAP. COSTS \$(000)	AVOIDED GEN. CAP. COSTS \$(000)	TOTAL BENEFITS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT'S COST \$(000)	TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	4	2	1	7	34	64	99	-92
2014	4	2	1	7	0	0	0	7
2015	4	2	1	7	0	0	0	7
2016	4	2	1	7	0	0	0	7
2017	4	2	1	7	0	0	0	7
2018	4	2	1	7	0	0	0	7
2019	4	2	1	7	0	0	0	7
2020	5	2	1	9	0	0	0	9
2021	6	2	1	9	0	0	0	9
2022	6	2	1	9	0	0	0	9
2023	6	2	1	10	0	0	0	10
2024	7	2	2	10	0	0	0	10
2025	7	2	2	10	0	0	0	10
2026	7	2	2	11	0	0	0	11
2027	8	2	2	12	0	0	0	12
2028	8	2	1	11	0	0	0	11
2029	9	2	1	12	0	0	0	12
2030	8	2	2	11	0	0	0	11
2031	9	2	2	12	0	0	0	12
2032	8	2	2	12	0	0	0	12
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	119	39	28	187	34	64	99	88
NPV	61	22	16	99	34	64	99	1

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 1.007

PROGRAM: DEP Residential Home Energy Improvement - Vintage Year-2013

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	289	234	173	695	1,867	6,336	8,203	-7,507
2014	251	241	176	668	0	0	0	668
2015	242	246	180	668	0	0	0	668
2016	204	252	184	641	0	0	0	641
2017	212	257	189	658	0	0	0	658
2018	236	263	193	693	0	0	0	693
2019	252	269	197	718	0	0	0	718
2020	330	275	202	807	0	0	0	807
2021	331	281	206	818	0	0	0	818
2022	355	286	209	850	0	0	0	850
2023	310	253	186	749	0	0	0	749
2024	321	259	190	770	0	0	0	770
2025	331	265	194	790	0	0	0	790
2026	360	271	198	829	0	0	0	829
2027	382	277	203	862	0	0	0	862
2028	131	64	47	242	0	0	0	242
2029	138	65	48	251	0	0	0	251
2030	134	67	49	249	0	0	0	249
2031	62	27	20	109	0	0	0	109
2032	65	28	20	113	0	0	0	113
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	4,935	4,181	3,064	12,180	1,867	6,336	8,203	3,977
NPV	2,966	2,644	1,938	7,548	1,867	6,336	8,203	-655

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 0.920

PROGRAM: DEP Neighborhood Energy Saver - Vintage Year-2013

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	TOTAL FUEL & O&M SAVINGS \$(000)	AVOIDED T&D CAP. COSTS \$(000)	AVOIDED GEN. CAP. COSTS \$(000)	TOTAL BENEFITS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT'S COST \$(000)	TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	100	23	17	140	558	1,494	2,052	-1,912
2014	92	19	14	126	0	0	0	126
2015	91	20	15	125	0	0	0	125
2016	90	20	15	126	0	0	0	126
2017	92	21	15	128	0	0	0	128
2018	97	21	16	134	0	0	0	134
2019	105	22	16	143	0	0	0	143
2020	70	15	11	97	0	0	0	97
2021	70	16	11	97	0	0	0	97
2022	11	8	6	25	0	0	0	25
2023	11	8	6	25	0	0	0	25
2024	13	8	6	27	0	0	0	27
2025	13	8	6	27	0	0	0	27
2026	1	0	0	1	0	0	0	1
2027	2	0	0	2	0	0	0	2
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	860	209	153	1,222	558	1,494	2,052	-830
NPV	664	157	114	935	558	1,494	2,052	-1,117

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 0.456

PROGRAM: DEP Residential Energy Efficiency Benchmarking - Vintage Year-2013

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	TOTAL FUEL & O&M SAVINGS \$(000)	AVOIDED T&D CAP. COSTS \$(000)	AVOIDED GEN. CAP. COSTS \$(000)	TOTAL BENEFITS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT'S COST \$(000)	TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	611	203	150	964	592	0	592	372
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	611	203	150	964	592	0	592	372
NPV	611	203	150	964	592	0	592	372

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 1.628



DEP Residential New Construction - Vintage Year-2013

Total Resource Cost (TRC) Test

BENEFITS				COSTS			(8) TRC NET BENEFITS \$(000)	
(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)		
0	0	0	0	0	0	0		0
65	28	21	114	1,224	1,543	2,766		-2,652
60	29	21	110	0	0	0	110	
59	30	22	110	0	0	0	110	
56	30	22	109	0	0	0	109	
57	31	23	111	0	0	0	111	
61	32	23	116	0	0	0	116	
65	33	24	121	0	0	0	121	
86	33	24	144	0	0	0	144	
87	34	25	146	0	0	0	146	
92	35	25	152	0	0	0	152	
94	36	26	155	0	0	0	155	
98	36	27	161	0	0	0	161	
102	37	27	167	0	0	0	167	
109	38	28	175	0	0	0	175	
116	39	28	183	0	0	0	183	
124	40	29	193	0	0	0	193	
129	41	30	199	0	0	0	199	
128	42	30	200	0	0	0	200	
137	43	31	210	0	0	0	210	
140	43	32	216	0	0	0	216	
146	44	33	223	0	0	0	223	
152	45	33	230	0	0	0	230	
158	46	34	238	0	0	0	238	
165	48	35	247	0	0	0	247	
173	49	36	257	0	0	0	257	
182	50	36	268	0	0	0	268	
191	51	37	279	0	0	0	279	
199	52	38	289	0	0	0	289	
205	53	39	297	0	0	0	297	
3,436	1,147	840	5,422	1,224	1,543	2,766	2,656	
1,287	482	353	2,121	1,224	1,543	2,766	-645	

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 0.767

PROGRAM: DEP Small Business Energy Saver - Vintage Year-2013

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	TOTAL FUEL & O&M SAVINGS \$(000)	AVOIDED T&D CAP. COSTS \$(000)	AVOIDED GEN. CAP. COSTS \$(000)	TOTAL BENEFITS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT'S COST \$(000)	TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	195	70	77	342	301	4,338	4,638	-4,297
2014	184	72	79	335	0	0	0	335
2015	184	73	80	337	0	0	0	337
2016	178	75	82	335	0	0	0	335
2017	180	77	84	340	0	0	0	340
2018	191	78	85	354	0	0	0	354
2019	206	80	87	373	0	0	0	373
2020	272	82	89	442	0	0	0	442
2021	278	84	91	452	0	0	0	452
2022	292	86	92	469	0	0	0	469
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	2,158	776	847	3,780	301	4,338	4,638	-858
NPV	1,589	581	635	2,805	301	4,338	4,638	-1,833

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 0.605

DEP CIG Energy Efficiency for Business - Vintage Year-2013

Total Resource Cost (TRC) Test							
BENEFITS				COSTS			TRC NET BENEFITS \$(000)
(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
0	0	0	0	0	0	0	0
2,887	939	693	4,519	2,521	14,126	16,647	-12,128
2,720	967	708	4,395	0	0	0	4,395
2,717	989	724	4,430	0	0	0	4,430
2,635	1,011	741	4,387	0	0	0	4,387
2,668	1,034	757	4,459	0	0	0	4,459
2,822	1,057	774	4,653	0	0	0	4,653
3,033	1,081	792	4,906	0	0	0	4,906
3,978	1,105	810	5,893	0	0	0	5,893
4,065	1,130	828	6,023	0	0	0	6,023
4,270	1,156	846	6,273	0	0	0	6,273
1,444	444	325	2,213	0	0	0	2,213
1,504	454	332	2,291	0	0	0	2,291
1,584	464	340	2,388	0	0	0	2,388
1,581	469	343	2,393	0	0	0	2,393
1,666	479	351	2,496	0	0	0	2,496
1,717	474	348	2,539	0	0	0	2,539
1,754	485	355	2,595	0	0	0	2,595
1,789	496	363	2,649	0	0	0	2,649
1,884	507	372	2,763	0	0	0	2,763
1,933	519	380	2,831	0	0	0	2,831
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
48,652	15,261	11,182	75,095	2,521	14,126	16,647	58,448
29,969	9,721	7,125	46,814	2,521	14,126	16,647	30,167

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 2.812



DEP Lighting-Residential - Vintage Year-2013

Total Resource Cost (TRC) Test							
BENEFITS				COSTS			TRC NET BENEFITS \$(000)
(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
0	0	0	0	0	0	0	0
4,314	703	518	5,536	1,937	17,519	19,456	-13,920
4,613	804	589	6,006	0	0	0	6,006
5,031	904	662	6,597	0	0	0	6,597
5,033	924	677	6,635	0	0	0	6,635
5,138	945	692	6,775	0	0	0	6,775
5,435	966	708	7,109	0	0	0	7,109
5,853	988	724	7,565	0	0	0	7,565
2,086	274	200	2,560	0	0	0	2,560
1,404	186	136	1,726	0	0	0	1,726
735	94	69	899	0	0	0	899
748	96	71	915	0	0	0	915
782	99	72	952	0	0	0	952
825	101	74	1,000	0	0	0	1,000
876	103	75	1,055	0	0	0	1,055
923	105	77	1,105	0	0	0	1,105
992	108	79	1,179	0	0	0	1,179
1,014	110	81	1,204	0	0	0	1,204
1,023	113	82	1,218	0	0	0	1,218
1,084	115	84	1,284	0	0	0	1,284
1,113	118	86	1,317	0	0	0	1,317
1,179	120	88	1,388	0	0	0	1,388
1,208	123	90	1,421	0	0	0	1,421
1,265	126	92	1,483	0	0	0	1,483
1,322	129	94	1,545	0	0	0	1,545
1,388	132	96	1,616	0	0	0	1,616
1,457	135	99	1,690	0	0	0	1,690
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
56,841	8,621	6,317	71,779	1,937	17,519	19,456	52,323
36,991	6,031	4,420	47,442	1,937	17,519	19,456	27,986

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 2.438

PROGRAM: DEP EnergyWise - Vintage Year-2013

**Total Resource Cost (TRC) Test**

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
	TOTAL FUEL & O&M SAVINGS \$(000)	AVOIDED T&D CAP. COSTS \$(000)	AVOIDED GEN. CAP. COSTS \$(000)	TOTAL BENEFITS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT'S COST \$(000)	TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	194	0	1,600	1,794	959	0	959	835
2014	182	0	1,636	1,817	0	0	0	1,817
2015	187	0	1,673	1,860	0	0	0	1,860
2016	-148	0	1,710	1,562	0	0	0	1,562
2017	-195	0	1,749	1,553	0	0	0	1,553
2018	-101	0	1,788	1,687	0	0	0	1,687
2019	-149	0	1,828	1,680	0	0	0	1,680
2020	-69	0	1,869	1,800	0	0	0	1,800
2021	-70	0	1,911	1,842	0	0	0	1,842
2022	-50	0	1,954	1,905	0	0	0	1,905
2023	-26	0	1,999	1,972	0	0	0	1,972
2024	-43	0	2,043	2,001	0	0	0	2,001
2025	-112	0	2,089	1,978	0	0	0	1,978
2026	-58	0	2,136	2,078	0	0	0	2,078
2027	-18	0	2,184	2,167	0	0	0	2,167
2028	-31	0	2,234	2,203	0	0	0	2,203
2029	39	0	2,284	2,323	0	0	0	2,323
2030	62	0	2,335	2,397	0	0	0	2,397
2031	-33	0	2,388	2,355	0	0	0	2,355
2032	-47	0	2,442	2,395	0	0	0	2,395
2033	-65	0	2,497	2,431	0	0	0	2,431
2034	-82	0	2,553	2,470	0	0	0	2,470
2035	-96	0	2,610	2,514	0	0	0	2,514
2036	-105	0	2,669	2,564	0	0	0	2,564
2037	-136	0	2,729	2,593	0	0	0	2,593
2038	-194	0	2,790	2,596	0	0	0	2,596
2039	-173	0	2,853	2,680	0	0	0	2,680
2040	-288	0	2,917	2,629	0	0	0	2,629
2041	-345	0	2,983	2,638	0	0	0	2,638
NOMINAL	-1,971	0	64,454	62,483	959	0	959	61,524
NPV	-436	0	27,067	26,630	959	0	959	25,672

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 27.775

PROGRAM: DEP CIG Demand Response - Vintage Year-2013

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	10	0	77	87	36	0	36	51
2014	9	0	79	88	0	0	0	88
2015	10	0	80	90	0	0	0	90
2016	-7	0	82	75	0	0	0	75
2017	-9	0	84	75	0	0	0	75
2018	-5	0	86	81	0	0	0	81
2019	-6	0	88	82	0	0	0	82
2020	-3	0	90	87	0	0	0	87
2021	-2	0	92	90	0	0	0	90
2022	-1	0	94	93	0	0	0	93
2023	0	0	96	96	0	0	0	96
2024	-1	0	98	97	0	0	0	97
2025	-5	0	100	96	0	0	0	96
2026	-2	0	103	100	0	0	0	100
2027	0	0	105	105	0	0	0	105
2028	0	0	107	107	0	0	0	107
2029	4	0	110	113	0	0	0	113
2030	5	0	112	117	0	0	0	117
2031	1	0	115	116	0	0	0	116
2032	-1	0	117	117	0	0	0	117
2033	-2	0	120	118	0	0	0	118
2034	-1	0	123	122	0	0	0	122
2035	-2	0	125	123	0	0	0	123
2036	-2	0	128	126	0	0	0	126
2037	-5	0	131	126	0	0	0	126
2038	-7	0	134	127	0	0	0	127
2039	-7	0	137	130	0	0	0	130
2040	-11	0	140	129	0	0	0	129
2041	-17	0	143	127	0	0	0	127
NOMINAL	-56	0	3,094	3,039	36	0	36	3,003
NPV	-7	0	1,300	1,293	36	0	36	1,257

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 35.896

PROGRAM: DEP Residential Appliance Recycling - Vintage Year-2014

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	242	40	29	312	1,055	562	1,618	-1,306
2015	242	41	30	313	0	0	0	313
2016	242	42	31	314	0	0	0	314
2017	246	43	31	320	0	0	0	320
2018	259	44	32	335	0	0	0	335
2019	279	45	33	357	0	0	0	357
2020	368	46	33	447	0	0	0	447
2021	374	47	34	455	0	0	0	455
2022	392	48	35	475	0	0	0	475
2023	401	49	36	485	0	0	0	485
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	3,047	442	324	3,813	1,055	562	1,618	2,195
NPV	2,226	331	243	2,800	1,055	562	1,618	1,182

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 1.731



**PROGRAM: DEP Residential Home Energy Improvement - Vintage Year-2014**

<b>Total Resource Cost (TRC) Test</b>								
YEAR	<b>BENEFITS</b>				<b>COSTS</b>			<b>(8) TRC NET BENEFITS \$(000)</b>
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) <b>TOTAL BENEFITS \$(000)</b>	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) <b>TOTAL COSTS \$(000)</b>	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	193	190	139	522	2,049	4,885	6,934	-6,412
2015	186	194	142	522	0	0	0	522
2016	156	198	145	500	0	0	0	500
2017	162	203	149	513	0	0	0	513
2018	181	207	152	540	0	0	0	540
2019	193	212	155	561	0	0	0	561
2020	252	217	159	628	0	0	0	628
2021	253	222	162	638	0	0	0	638
2022	274	227	166	667	0	0	0	667
2023	275	230	169	674	0	0	0	674
2024	266	221	162	649	0	0	0	649
2025	275	226	165	667	0	0	0	667
2026	299	231	169	699	0	0	0	699
2027	319	236	173	727	0	0	0	727
2028	342	241	177	761	0	0	0	761
2029	104	47	34	185	0	0	0	185
2030	101	48	35	184	0	0	0	184
2031	107	49	36	192	0	0	0	192
2032	41	14	10	65	0	0	0	65
2033	42	14	11	67	0	0	0	67
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
<b>NOMINAL</b>	<b>4,023</b>	<b>3,427</b>	<b>2,510</b>	<b>9,960</b>	<b>2,049</b>	<b>4,885</b>	<b>6,934</b>	<b>3,026</b>
<b>NPV</b>	<b>2,380</b>	<b>2,161</b>	<b>1,583</b>	<b>6,124</b>	<b>2,049</b>	<b>4,885</b>	<b>6,934</b>	<b>-810</b>

Utility Discount Rate = 6.75  
**Benefit Cost Ratio = 0.883**

**PROGRAM: DEP CIG Energy Efficiency for Business - Vintage Year-2014**

<b>Total Resource Cost (TRC) Test</b>								
YEAR	<b>BENEFITS</b>				<b>COSTS</b>			<b>TRC NET BENEFITS</b>
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	3,445	1,194	874	5,513	3,846	13,552	17,398	-11,885
2015	3,439	1,221	894	5,554	0	0	0	5,554
2016	3,342	1,248	914	5,504	0	0	0	5,504
2017	3,385	1,276	935	5,596	0	0	0	5,596
2018	3,579	1,305	956	5,840	0	0	0	5,840
2019	3,849	1,334	977	6,160	0	0	0	6,160
2020	5,048	1,365	999	7,411	0	0	0	7,411
2021	5,155	1,395	1,022	7,572	0	0	0	7,572
2022	5,417	1,427	1,045	7,888	0	0	0	7,888
2023	5,555	1,459	1,068	8,082	0	0	0	8,082
2024	1,329	392	287	2,008	0	0	0	2,008
2025	1,400	401	294	2,095	0	0	0	2,095
2026	1,486	410	300	2,196	0	0	0	2,196
2027	1,431	411	301	2,144	0	0	0	2,144
2028	1,524	421	308	2,252	0	0	0	2,252
2029	1,484	410	300	2,194	0	0	0	2,194
2030	1,512	419	307	2,239	0	0	0	2,239
2031	1,595	429	314	2,338	0	0	0	2,338
2032	1,632	438	321	2,392	0	0	0	2,392
2033	1,730	448	328	2,507	0	0	0	2,507
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
<b>NOMINAL</b>	<b>57,336</b>	<b>17,404</b>	<b>12,746</b>	<b>87,487</b>	<b>3,846</b>	<b>13,552</b>	<b>17,398</b>	<b>70,088</b>
<b>NPV</b>	<b>36,780</b>	<b>11,550</b>	<b>8,459</b>	<b>56,789</b>	<b>3,846</b>	<b>13,552</b>	<b>17,398</b>	<b>39,391</b>

Utility Discount Rate = 6.75  
**Benefit Cost Ratio = 3.264**

PROGRAM: DEP Neighborhood Energy Saver - Vintage Year-2014

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	97	24	11	131	542	1,601	2,142	-2,011
2015	92	20	11	123	0	0	0	123
2016	91	21	11	123	0	0	0	123
2017	93	21	11	125	0	0	0	125
2018	98	22	12	131	0	0	0	131
2019	106	22	12	140	0	0	0	140
2020	139	22	7	169	0	0	0	169
2021	71	16	7	94	0	0	0	94
2022	75	16	3	94	0	0	0	94
2023	11	8	3	22	0	0	0	22
2024	13	8	3	24	0	0	0	24
2025	13	8	3	24	0	0	0	24
2026	13	8	0	22	0	0	0	22
2027	2	0	0	2	0	0	0	2
2028	2	0	0	2	0	0	0	2
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	914	216	93	1,224	542	1,601	2,142	-918
NPV	701	162	73	935	542	1,601	2,142	-1,207

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 0.437

PROGRAM: DEP Residential New Construction - Vintage Year-2014

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	301	155	70	526	1,433	7,746	9,179	-8,652
2015	295	159	71	525	0	0	0	525
2016	277	162	73	512	0	0	0	512
2017	283	166	74	523	0	0	0	523
2018	305	170	76	550	0	0	0	550
2019	328	173	78	579	0	0	0	579
2020	433	177	80	690	0	0	0	690
2021	436	181	81	699	0	0	0	699
2022	463	185	83	732	0	0	0	732
2023	474	190	85	749	0	0	0	749
2024	494	194	87	775	0	0	0	775
2025	517	198	89	804	0	0	0	804
2026	553	203	91	847	0	0	0	847
2027	585	207	93	885	0	0	0	885
2028	628	212	95	935	0	0	0	935
2029	603	193	87	883	0	0	0	883
2030	605	198	89	891	0	0	0	891
2031	641	202	91	934	0	0	0	934
2032	661	207	93	961	0	0	0	961
2033	697	211	95	1,004	0	0	0	1,004
2034	714	216	97	1,028	0	0	0	1,028
2035	748	221	99	1,068	0	0	0	1,068
2036	783	226	102	1,111	0	0	0	1,111
2037	819	231	104	1,154	0	0	0	1,154
2038	857	236	106	1,200	0	0	0	1,200
2039	893	242	109	1,243	0	0	0	1,243
2040	933	247	111	1,291	0	0	0	1,291
2041	974	253	114	1,340	0	0	0	1,340
NOMINAL	16,301	5,616	2,523	24,440	1,433	7,746	9,179	15,262
NPV	6,393	2,490	1,118	10,002	1,433	7,746	9,179	823

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 1.090

**PROGRAM: DEP Residential Energy Efficiency Benchmarking - Vintage Year-2014**

<b>Total Resource Cost (TRC) Test</b>
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YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	574	209	153	936	660	0	660	277
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	0	0
2018	0	0	0	0	0	0	0	0
2019	0	0	0	0	0	0	0	0
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	574	209	153	936	660	0	660	277
NPV	574	209	153	936	660	0	660	277

Utility Discount Rate = 6.75  
**Benefit Cost Ratio = 1.419**

**PROGRAM: DEP Small Business Energy Saver - Vintage Year-2014**

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	288	94	104	486	580	8,479	9,059	-8,572
2015	287	96	106	489	0	0	0	489
2016	280	98	108	486	0	0	0	486
2017	284	101	110	494	0	0	0	494
2018	299	103	112	514	0	0	0	514
2019	323	105	114	542	0	0	0	542
2020	423	107	117	647	0	0	0	647
2021	432	110	119	661	0	0	0	661
2022	453	112	121	687	0	0	0	687
2023	464	115	124	703	0	0	0	703
2024	8	1	1	11	0	0	0	11
2025	8	1	1	11	0	0	0	11
2026	8	1	1	11	0	0	0	11
2027	8	1	1	11	0	0	0	11
2028	10	1	2	13	0	0	0	13
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	3,575	1,048	1,142	5,765	580	8,479	9,059	-3,293
NPV	2,605	784	855	4,243	580	8,479	9,059	-4,816

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 0.468

PROGRAM: DEP - EE Lighting-Business - Vintage Year-2014

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	831	223	164	1,218	221	703	924	294
2015	916	254	186	1,355	0	0	0	1,355
2016	990	285	209	1,484	0	0	0	1,484
2017	279	80	59	419	0	0	0	419
2018	198	55	41	294	0	0	0	294
2019	111	29	21	161	0	0	0	161
2020	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0
2026	0	0	0	0	0	0	0	0
2027	0	0	0	0	0	0	0	0
2028	0	0	0	0	0	0	0	0
2029	0	0	0	0	0	0	0	0
2030	0	0	0	0	0	0	0	0
2031	0	0	0	0	0	0	0	0
2032	0	0	0	0	0	0	0	0
2033	0	0	0	0	0	0	0	0
2034	0	0	0	0	0	0	0	0
2035	0	0	0	0	0	0	0	0
2036	0	0	0	0	0	0	0	0
2037	0	0	0	0	0	0	0	0
2038	0	0	0	0	0	0	0	0
2039	0	0	0	0	0	0	0	0
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	3,325	927	679	4,931	221	703	924	4,007
NPV	3,020	841	616	4,476	221	703	924	3,552

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 4.845

PROGRAM: DEP - EE Lighting-Residential - Vintage Year-2014

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	1,696	295	216	2,207	1,820	5,788	7,608	-5,401
2015	1,865	335	245	2,445	0	0	0	2,445
2016	2,051	376	275	2,702	0	0	0	2,702
2017	2,093	384	281	2,759	0	0	0	2,759
2018	2,214	393	288	2,895	0	0	0	2,895
2019	2,384	402	294	3,080	0	0	0	3,080
2020	3,139	411	301	3,851	0	0	0	3,851
2021	884	117	86	1,086	0	0	0	1,086
2022	632	81	59	772	0	0	0	772
2023	336	43	32	411	0	0	0	411
2024	351	44	32	428	0	0	0	428
2025	372	45	33	450	0	0	0	450
2026	393	46	34	473	0	0	0	473
2027	414	47	34	496	0	0	0	496
2028	445	48	35	529	0	0	0	529
2029	456	49	36	541	0	0	0	541
2030	458	50	37	546	0	0	0	546
2031	487	52	38	576	0	0	0	576
2032	500	53	39	591	0	0	0	591
2033	529	54	39	622	0	0	0	622
2034	541	55	40	637	0	0	0	637
2035	567	56	41	665	0	0	0	665
2036	594	58	42	694	0	0	0	694
2037	623	59	43	725	0	0	0	725
2038	652	60	44	757	0	0	0	757
2039	681	62	45	787	0	0	0	787
2040	0	0	0	0	0	0	0	0
2041	0	0	0	0	0	0	0	0
NOMINAL	25,358	3,675	2,689	31,723	1,820	5,788	7,608	24,115
NPV	16,169	2,542	1,860	20,571	1,820	5,788	7,608	12,963

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 2.704



PROGRAM: DEP - EnergyWise - Vintage Year-2014

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	175	0	1,577	1,752	799	0	799	953
2015	180	0	1,612	1,792	0	0	0	1,792
2016	-141	0	1,648	1,507	0	0	0	1,507
2017	-187	0	1,685	1,499	0	0	0	1,499
2018	-95	0	1,723	1,628	0	0	0	1,628
2019	-142	0	1,762	1,620	0	0	0	1,620
2020	-65	0	1,802	1,737	0	0	0	1,737
2021	-66	0	1,842	1,776	0	0	0	1,776
2022	-47	0	1,884	1,837	0	0	0	1,837
2023	-23	0	1,926	1,903	0	0	0	1,903
2024	-39	0	1,969	1,930	0	0	0	1,930
2025	-106	0	2,014	1,908	0	0	0	1,908
2026	-54	0	2,059	2,005	0	0	0	2,005
2027	-16	0	2,105	2,090	0	0	0	2,090
2028	-28	0	2,153	2,125	0	0	0	2,125
2029	39	0	2,201	2,241	0	0	0	2,241
2030	61	0	2,251	2,311	0	0	0	2,311
2031	-29	0	2,301	2,272	0	0	0	2,272
2032	-42	0	2,353	2,311	0	0	0	2,311
2033	-61	0	2,406	2,345	0	0	0	2,345
2034	-78	0	2,460	2,382	0	0	0	2,382
2035	-91	0	2,516	2,425	0	0	0	2,425
2036	-98	0	2,572	2,474	0	0	0	2,474
2037	-129	0	2,630	2,501	0	0	0	2,501
2038	-185	0	2,689	2,504	0	0	0	2,504
2039	-164	0	2,750	2,586	0	0	0	2,586
2040	-273	0	2,812	2,538	0	0	0	2,538
2041	-328	0	2,875	2,546	0	0	0	2,546
NOMINAL	-2,033	0	60,578	58,545	799	0	799	57,746
NPV	-627	0	26,201	25,574	799	0	799	24,776

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 32.023

PROGRAM: DEP - CIG Demand Response - Vintage Year-2014

Total Resource Cost (TRC) Test								
YEAR	BENEFITS				COSTS			TRC NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	35	0	287	321	116	0	116	206
2015	37	0	293	330	0	0	0	330
2016	-24	0	300	276	0	0	0	276
2017	-32	0	307	275	0	0	0	275
2018	-14	0	314	299	0	0	0	299
2019	-24	0	321	297	0	0	0	297
2020	-10	0	328	318	0	0	0	318
2021	-9	0	335	327	0	0	0	327
2022	-1	0	343	342	0	0	0	342
2023	0	0	350	351	0	0	0	351
2024	-4	0	358	354	0	0	0	354
2025	-17	0	366	349	0	0	0	349
2026	-8	0	375	367	0	0	0	367
2027	2	0	383	385	0	0	0	385
2028	0	0	392	392	0	0	0	392
2029	7	0	400	408	0	0	0	408
2030	16	0	409	426	0	0	0	426
2031	2	0	419	420	0	0	0	420
2032	-5	0	428	423	0	0	0	423
2033	-7	0	438	430	0	0	0	430
2034	-9	0	448	439	0	0	0	439
2035	-8	0	458	450	0	0	0	450
2036	-8	0	468	460	0	0	0	460
2037	-15	0	479	463	0	0	0	463
2038	-26	0	489	464	0	0	0	464
2039	-22	0	500	478	0	0	0	478
2040	-42	0	512	470	0	0	0	470
2041	-53	0	523	470	0	0	0	470
NOMINAL	-238	0	11,022	10,784	116	0	116	10,668
NPV	-63	0	4,767	4,704	116	0	116	4,588

Utility Discount Rate = 6.75  
Benefit Cost Ratio = 40.569

# Workpapers

## Section R – DSM/EE Revenues

Duke Energy Progress, Inc  
Test Period DSM/EE Cost Recovery Summary (\$)

OFFICIAL COPY  
Jun 18 2014

**A. NC DSM Program Recovery**

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
1	Apr-13	Per Books	\$ 611,847.79	\$ 172,883.77	\$ (93,886.28)	\$ 78,997.50	\$ -	\$ -	\$ -	\$ 690,845.29
2	May-13	Per Books	454,479.25	167,813.21	(88,780.16)	79,033.05	-	-	-	\$ 533,512.30
3	Jun-13	Per Books	564,145.41	168,583.16	(84,243.83)	84,339.33	-	-	-	\$ 648,484.74
4	Jul-13	Per Books	659,794.67	198,330.61	(106,143.05)	92,187.56	-	-	-	\$ 751,982.23
5	Aug-13	Per Books	740,120.27	202,999.35	(100,161.61)	102,837.74	-	-	-	\$ 842,958.01
6	Sep-13	Per Books	568,430.26	185,216.68	(97,797.94)	87,418.74	-	-	-	\$ 655,849.00
7	Oct-13	Per Books	480,437.38	177,452.01	(92,492.80)	84,959.21	-	-	-	\$ 565,396.59
8	Nov-13	Per Books	494,698.56	155,103.40	(82,138.49)	72,964.91	-	-	-	\$ 567,663.46
9	Dec-13	Per Books	754,635.84	160,649.74	(82,833.14)	77,816.60	-	-	-	\$ 832,452.44
10	Jan-14	Per Books	991,520.10	159,963.08	(78,981.03)	80,982.05	-	-	-	\$ 1,072,502.15
11	Feb-14	Per Books	962,362.54	149,167.11	(75,089.18)	74,077.93	-	-	-	\$ 1,036,440.46
12	Mar-14	Per Books	769,349.33	139,578.23	(71,780.83)	67,797.40	-	-	-	\$ 837,146.72
13	Period Totals	Σ Lines 1 thru 12	\$ 8,051,821.39	\$ 2,037,740.34	\$ (1,054,328.34)	\$ 983,412.00	\$ -	\$ -	\$ -	\$ 9,035,233.39
14	PrevProspective	Σ Lines 1 thru 4	\$ 2,290,267.12	\$ 707,610.75	\$ (373,053.32)	\$ 334,557.44	\$ -	\$ -	\$ -	\$ 2,624,824.56

**B. NC DSDR Program Recovery**

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
15	Apr-13	Per Books	\$ 1,497,151.73	\$ 2,122,691.31	\$ (1,152,773.20)	\$ 969,918.11	\$ 44,061.56	\$ (1,332.92)	\$ 42,728.64	\$ 2,509,798.48
16	May-13	Per Books	1,112,082.68	2,060,468.11	(1,090,073.97)	970,394.14	44,599.88	(1,421.79)	43,178.09	2,125,654.91
17	Jun-13	Per Books	1,380,428.70	2,070,249.17	(1,034,375.22)	1,035,873.95	43,923.23	(1,315.25)	42,607.98	2,458,910.63
18	Jul-13	Per Books	1,614,477.19	2,435,175.08	(1,303,261.54)	1,131,913.54	44,580.99	(1,449.93)	43,131.06	2,789,521.79
19	Aug-13	Per Books	1,811,029.18	2,492,500.28	(1,229,819.35)	1,262,680.93	47,506.76	(1,495.90)	46,010.86	3,119,720.97
20	Sep-13	Per Books	1,390,912.80	2,274,158.34	(1,200,797.42)	1,073,360.92	42,328.98	(1,355.82)	40,973.16	2,505,246.88
21	Oct-13	Per Books	1,175,598.62	2,178,818.42	(1,135,658.96)	1,043,159.46	44,383.05	(1,387.69)	42,995.36	2,261,753.44
22	Nov-13	Per Books	1,210,498.41	1,904,414.78	(1,008,525.21)	895,889.57	42,871.92	(1,267.45)	41,604.47	2,147,992.45
23	Dec-13	Per Books	1,641,812.10	1,947,061.49	(1,196,507.52)	750,553.97	41,488.77	(1,357.39)	40,131.38	2,432,497.45
24	Jan-14	Per Books	1,884,015.03	1,904,336.77	(946,745.01)	957,591.76	38,692.11	(1,245.91)	37,446.20	2,879,052.99
25	Feb-14	Per Books	1,828,544.48	1,763,488.28	(887,720.94)	875,767.34	37,706.77	(1,225.49)	36,481.28	2,740,793.09
26	Mar-14	Per Books	1,461,745.36	1,650,121.35	(848,608.92)	801,512.43	36,719.59	(1,195.79)	35,523.80	2,298,781.58
27	Period Totals	Σ Lines 15 thru 26	\$ 18,008,296.27	\$ 24,803,483.37	\$ (13,034,867.26)	\$ 11,768,616.11	\$ 508,863.61	\$ (16,051.33)	\$ 492,812.28	\$ 30,269,724.66
28	PrevProspective	Σ Lines 15 thru 18	\$ 5,604,140.30	\$ 8,688,583.67	\$ (4,580,483.93)	\$ 4,108,099.74	\$ 177,165.66	\$ (5,519.89)	\$ 171,645.77	\$ 9,883,885.81

**C. NC EE Program Recovery**

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
29	Apr-13	Per Books	\$ 2,136,472.55	\$ 2,641,274.60	\$ (1,434,440.67)	\$ 1,206,833.93	\$ -	\$ -	\$ -	\$ 3,343,306.48
30	May-13	Per Books	1,586,966.17	2,563,905.12	(1,356,414.45)	1,207,490.67	-	-	-	2,794,456.84
31	Jun-13	Per Books	1,969,903.81	2,576,768.30	(1,287,106.70)	1,289,661.60	-	-	-	3,259,565.41
32	Jul-13	Per Books	2,303,895.27	3,030,171.87	(1,621,690.68)	1,408,481.19	-	-	-	3,712,376.46
33	Aug-13	Per Books	2,584,379.10	3,101,504.97	(1,530,304.18)	1,571,200.79	-	-	-	4,155,579.89
34	Sep-13	Per Books	1,984,865.36	2,829,815.66	(1,494,191.25)	1,335,624.41	-	-	-	3,320,489.77
35	Oct-13	Per Books	1,677,609.05	2,711,175.51	(1,413,137.35)	1,298,038.16	-	-	-	2,975,647.21
36	Nov-13	Per Books	1,727,405.50	2,369,726.79	(1,254,940.69)	1,114,786.10	-	-	-	2,842,191.60
37	Dec-13	Per Books	2,227,694.76	2,293,849.36	(1,007,685.15)	1,286,164.21	-	-	-	3,513,858.97
38	Jan-14	Per Books	2,383,449.25	2,066,951.19	(1,061,486.29)	1,005,464.90	-	-	-	3,388,914.15
39	Feb-14	Per Books	2,313,235.01	1,849,682.14	(931,105.80)	918,576.34	-	-	-	3,231,811.34
40	Mar-14	Per Books	1,849,153.08	1,730,747.98	(890,082.29)	840,665.69	-	-	-	2,689,818.76
41	Period Totals	Σ Lines 29 thru 40	\$ 24,745,028.90	\$ 29,765,573.48	\$ (15,282,585.50)	\$ 14,482,987.98	\$ -	\$ -	\$ -	\$ 39,228,016.88
42	PrevProspective	Σ Lines 29 thru 32	\$ 7,997,237.80	\$ 10,812,119.89	\$ (5,699,652.50)	\$ 5,112,467.39	\$ -	\$ -	\$ -	\$ 13,109,705.19



Duke Energy Progress, Inc  
Test Period DSM/EE EMF Recovery Summary (\$)

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Jun 18 2014

A. NC DSM EMF Recovery

			General Service			Lighting			Total	
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits		Net Billings
1	Apr-13	Per Books	\$ 62,432.47	\$ (35,647.08)	\$ 19,357.87	\$ (16,289.21)	\$ -	\$ -	\$ -	\$ 46,143.26
2	May-13	Per Books	46,374.91	(34,600.70)	18,305.19	(16,295.51)	-	-	-	30,079.40
3	Jun-13	Per Books	57,565.67	(34,742.60)	17,369.86	(17,372.74)	-	-	-	40,192.93
4	Jul-13	Per Books	67,325.99	(40,892.82)	21,885.17	(19,007.65)	-	-	-	48,318.34
5	Aug-13	Per Books	75,522.54	(41,855.41)	20,651.88	(21,203.53)	-	-	-	54,319.01
6	Sep-13	Per Books	58,002.46	(38,188.84)	20,164.52	(18,024.32)	-	-	-	39,978.14
7	Oct-13	Per Books	49,023.37	(36,588.03)	19,070.68	(17,517.35)	-	-	-	31,506.02
8	Nov-13	Per Books	50,479.57	(31,980.06)	16,935.78	(15,044.29)	-	-	-	35,435.28
9	Dec-13	Per Books	169,153.81	(32,158.50)	16,672.24	(15,486.26)	-	-	-	153,667.55
10	Jan-14	Per Books	345,201.79	(30,716.47)	15,412.13	(15,304.34)	-	-	-	329,897.45
11	Feb-14	Per Books	335,077.39	(28,176.07)	14,183.51	(13,992.56)	-	-	-	321,084.83
12	Mar-14	Per Books	267,905.46	(26,364.65)	13,558.60	(12,806.05)	-	-	-	255,099.41
13	Period Totals	Σ Lines 1 thru 12	\$ 1,584,065.41	\$ (411,911.21)	\$ 213,567.42	\$ (198,343.79)	\$ -	\$ -	\$ -	\$ 1,385,721.62
14	PrevProspective	Σ Lines 1 thru 4	\$ 233,699.04	\$ (145,883.20)	\$ 76,918.09	\$ (68,965.11)	\$ -	\$ -	\$ -	\$ 164,733.93

B. NC DSDR EMF Recovery

			General Service			Lighting			Total	
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits		Net Billings
15	Apr-13	Per Books	\$ (87,408.63)	\$ (106,937.37)	\$ 58,074.11	\$ (48,863.26)	\$ (3,332.21)	\$ 100.80	\$ (3,231.41)	\$ (139,503.30)
16	May-13	Per Books	(64,926.80)	(103,801.96)	54,915.57	(48,886.39)	(3,373.11)	107.53	(3,265.58)	(117,078.76)
17	Jun-13	Per Books	(80,592.52)	(104,256.39)	52,109.59	(52,146.80)	(3,321.92)	99.47	(3,222.45)	(135,961.77)
18	Jul-13	Per Books	(94,256.37)	(122,678.68)	65,655.49	(57,023.19)	(3,371.65)	109.66	(3,261.99)	(154,541.55)
19	Aug-13	Per Books	(105,731.36)	(125,566.52)	61,963.28	(63,603.24)	(3,592.95)	105.49	(3,487.46)	(172,822.06)
20	Sep-13	Per Books	(81,205.53)	(114,566.78)	60,493.57	(54,073.21)	(3,200.83)	102.54	(3,098.29)	(138,377.03)
21	Oct-13	Per Books	(68,635.45)	(109,764.14)	57,212.04	(52,552.10)	(3,356.70)	104.95	(3,251.75)	(124,439.30)
22	Nov-13	Per Books	(70,671.24)	(95,940.27)	50,807.31	(45,132.96)	(3,242.36)	95.86	(3,146.50)	(118,950.70)
23	Dec-13	Per Books	(80,398.83)	(76,635.29)	41,655.29	(34,980.00)	(3,031.21)	99.44	(2,931.77)	(118,310.60)
24	Jan-14	Per Books	(69,071.53)	(45,576.97)	28,298.50	(17,278.47)	(2,681.84)	86.39	(2,595.45)	(88,945.45)
25	Feb-14	Per Books	(67,034.30)	(31,492.25)	15,852.16	(15,640.09)	(2,613.24)	84.93	(2,528.31)	(85,202.70)
26	Mar-14	Per Books	(53,578.30)	(29,463.39)	15,153.73	(14,309.66)	(2,544.94)	82.88	(2,462.06)	(70,350.02)
27	Period Totals	Σ Lines 15 thru 26	\$ (923,510.86)	\$ (1,066,680.01)	\$ 562,190.64	\$ (504,489.37)	\$ (37,662.96)	\$ 1,179.94	\$ (36,483.02)	\$ (1,464,483.24)
28	PrevProspective	Σ Lines 15 thru 18	\$ (327,184.32)	\$ (437,674.40)	\$ 230,754.76	\$ (206,919.64)	\$ (13,398.89)	\$ 417.46	\$ (12,981.43)	\$ (547,085.38)

C. NC EE EMF Recovery

			General Service			Lighting			Total	
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits		Net Billings
29	Apr-13	Per Books	\$ 187,301.27	\$ 998,015.15	\$ (542,033.61)	\$ 455,981.54	\$ -	\$ -	\$ -	\$ 643,282.81
30	May-13	Per Books	139,126.53	968,815.62	(512,545.27)	456,270.35	-	-	-	595,396.88
31	Jun-13	Per Books	172,697.79	974,017.15	(486,356.11)	487,661.04	-	-	-	660,358.83
32	Jul-13	Per Books	201,977.95	1,145,006.65	(612,784.60)	532,222.05	-	-	-	734,200.00
33	Aug-13	Per Books	226,567.36	1,171,961.85	(578,252.59)	593,709.26	-	-	-	820,276.62
34	Sep-13	Per Books	174,009.79	1,069,299.21	(564,606.68)	504,692.53	-	-	-	678,702.32
35	Oct-13	Per Books	147,073.52	1,024,466.38	(533,979.02)	490,487.36	-	-	-	637,560.88
36	Nov-13	Per Books	151,437.97	895,444.34	(474,201.61)	421,242.73	-	-	-	572,680.70
37	Dec-13	Per Books	(54,702.12)	702,035.82	(383,208.39)	318,827.43	-	-	-	264,125.31
38	Jan-14	Per Books	(453,083.42)	394,336.74	(252,160.72)	142,176.02	-	-	-	(310,907.40)
39	Feb-14	Per Books	(439,845.92)	258,570.35	(130,154.57)	128,415.78	-	-	-	(311,430.14)
40	Mar-14	Per Books	(351,725.35)	241,904.63	(124,420.10)	117,484.53	-	-	-	(234,240.82)
41	Period Totals	Σ Lines 2 thru 40	\$ 100,835.37	\$ 9,843,873.89	\$ (5,194,703.27)	\$ 4,649,170.62	\$ -	\$ -	\$ -	\$ 4,750,005.99
42	PrevProspective	Σ Lines 29 thru 32	\$ 701,103.54	\$ 4,085,854.57	\$ (2,153,719.59)	\$ 1,932,134.98	\$ -	\$ -	\$ -	\$ 2,633,238.52

**Duke Energy Progress, Inc**

Test Period DSM/EE EMF Recovery Summary (\$)

OFFICIAL COPY Jun 18 2014

**D. NC Total DSM/DSDR/EE EMF Recovery**

			General Service				Lighting			
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	Total
43	Apr-13	Σ Lines 1, 15 & 29	\$ 162,325.11	\$ 855,430.70	\$ (464,601.63)	\$ 390,829.07	\$ (3,332.21)	\$ 100.80	\$ (3,231.41)	\$ 549,922.77
44	May-13	Σ Lines 2, 16 & 30	120,574.64	830,412.97	(439,324.51)	391,088.46	(3,373.11)	107.53	(3,265.58)	508,397.52
45	Jun-13	Σ Lines 3, 17 & 31	149,670.94	835,018.16	(416,876.66)	418,141.50	(3,321.92)	99.47	(3,222.45)	564,589.99
46	Jul-13	Σ Lines 4, 18 & 32	175,047.57	981,435.16	(525,243.95)	456,191.21	(3,371.65)	109.66	(3,261.99)	627,976.79
47	Aug-13	Σ Lines 5, 19 & 33	196,358.54	1,004,539.92	(495,637.43)	508,902.49	(3,592.95)	105.49	(3,487.46)	701,773.57
48	Sep-13	Σ Lines 6, 20 & 34	150,806.72	916,543.59	(483,948.59)	432,595.00	(3,200.83)	102.54	(3,098.29)	580,303.43
49	Oct-13	Σ Lines 7, 21 & 35	127,461.44	878,114.21	(457,696.30)	420,417.91	(3,356.70)	104.95	(3,251.75)	544,627.60
50	Nov-13	Σ Lines 8, 22 & 36	131,246.30	767,524.01	(406,458.53)	361,065.49	(3,242.36)	95.86	(3,146.50)	489,165.28
51	Dec-13	Σ Lines 9, 23 & 37	34,052.86	593,242.04	(324,880.86)	268,361.18	(3,031.21)	99.44	(2,931.77)	299,482.26
52	Jan-14	Σ Lines 10, 24 & 38	(176,953.16)	318,043.30	(208,450.09)	109,593.21	(2,681.84)	86.39	(2,595.45)	(69,955.40)
53	Feb-14	Σ Lines 11, 25 & 39	(171,802.84)	198,902.04	(100,118.90)	98,783.14	(2,613.24)	84.93	(2,528.31)	(75,548.01)
54	Mar-14	Σ Lines 12, 26 & 40	(137,398.20)	186,076.60	(95,707.77)	90,368.83	(2,544.94)	82.88	(2,462.06)	(49,491.43)
55	Period Totals	Σ Lines 43 thru 54	\$ 761,389.92	\$ 8,365,282.68	\$ (4,418,945.21)	\$ 3,946,337.47	\$ (37,662.96)	\$ 1,179.94	\$ (36,483.02)	\$ 4,671,244.37
56	PrevProspective	Σ Lines 43 thru 46	\$ 607,618.26	\$ 3,502,296.98	\$ (1,846,046.75)	\$ 1,656,250.24	\$ (13,398.89)	\$ 417.46	\$ (12,981.43)	\$ 2,250,887.07

**E. NC Total DSM/DSDR/EE & EMF Recovery**

			General Service				Lighting			
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	Total
57	DSM	(W/P R-2)	\$ 8,051,821.39	\$ 2,037,740.34	\$ (1,054,328.34)	\$ 983,412.00	\$ -	\$ -	\$ -	\$ 9,035,233.39
58	DSDR	(W/P R-2)	18,008,296.27	24,803,483.37	(13,034,867.26)	11,768,616.11	508,863.61	(16,051.33)	492,812.28	30,269,724.66
59	EE	(W/P R-2)	24,745,028.90	29,765,573.48	(15,282,585.50)	14,482,987.98	-	-	-	39,228,016.88
60	Total	Σ Lines 57 thru 59	\$ 50,805,146.56	\$ 56,606,797.19	\$ (29,371,781.09)	\$ 27,235,016.09	\$ 508,863.61	\$ (16,051.33)	\$ 492,812.28	\$ 78,532,974.92
<b>EMF Recovery</b>										
61	DSM	(Line 13)	\$ 1,584,065.41	\$ (411,911.21)	\$ 213,567.42	\$ (198,343.79)	\$ -	\$ -	\$ -	\$ 1,385,721.62
62	DSDR	(Line 27)	(923,510.86)	(1,066,680.01)	562,190.64	(504,489.37)	(37,662.96)	1,179.94	(36,483.02)	(1,464,483.24)
63	EE	(Line 41)	100,835.37	9,843,873.89	(5,194,703.27)	4,649,170.62	-	-	-	4,750,005.99
64	Total	Σ Lines 61 thru 63	\$ 761,389.92	\$ 8,365,282.68	\$ (4,418,945.21)	\$ 3,946,337.47	\$ (37,662.96)	\$ 1,179.94	\$ (36,483.02)	\$ 4,671,244.37
<b>EMF &amp; Rate Recovery</b>										
65	DSM	(Lines 57 + 61)	\$ 9,635,886.80	\$ 1,625,829.13	\$ (840,760.92)	\$ 785,068.21	\$ -	\$ -	\$ -	\$ 10,420,955.01
66	DSDR	(Lines 58 + 62)	17,084,785.41	23,736,803.36	(12,472,676.62)	11,264,126.75	471,200.66	(14,871.39)	456,329.26	28,805,241.42
67	EE	(Lines 59 + 63)	24,845,864.27	39,609,447.37	(20,477,288.77)	19,132,158.60	-	-	-	43,978,022.87
68	Total	Σ Lines 65 thru 67	\$ 51,566,536.48	\$ 64,972,079.86	\$ (33,790,726.30)	\$ 31,181,353.56	\$ 471,200.66	\$ (14,871.39)	\$ 456,329.26	\$ 83,204,219.29

**(I) Actual/Estimated Sales**

			General Service				Lighting			
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	Total
69	Apr-14	Per Books	1,218,110,298	1,737,287,006	(909,293,313)	827,993,693	38,046,992	(1,191,715)	36,855,277	2,082,959,268
70	May-14	E-2, Sub 1019	969,084,694	1,800,065,308	(915,259,416)	884,805,892	39,493,206	(1,194,782)	38,298,424	1,892,189,010
71	Jun-14	E-2, Sub 1019	1,404,757,497	1,792,957,834	(868,493,048)	924,464,786	31,263,471	(1,105,253)	30,158,218	2,359,380,500
72	Jul-14	E-2, Sub 1019	1,542,480,384	1,887,287,027	(1,094,258,221)	793,028,806	36,042,916	(1,218,427)	34,824,489	2,370,333,680

**(II) Actual/Estimated Revenue**

			General Service				Lighting			
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	Total
73	Rates w/o GRT	E-2, Sub 1019	\$ 0.00013	\$ 0.00048	\$ 0.00048	\$ 0.00048	\$ (0.00009)	\$ (0.00009)	\$ (0.00009)	Total
74	Apr-14	Actual-Per Books	\$ (121,801)	\$ 208,671	\$ (109,213)	\$ 99,458	\$ (2,662)	\$ 83	\$ (2,579)	\$ (24,921)
75	May-14	Lines 70 x 73	125,981	864,031	(439,325)	424,707	(3,554)	108	(3,447)	547,241
76	Jun-14	Lines 71 x 73	182,618	860,620	(416,877)	443,743	(2,814)	99	(2,714)	623,647
77	Jul-14	Lines 72 x 73	200,522	905,898	(525,244)	380,654	(3,244)	110	(3,134)	578,042
78	Total	Σ Lines 74 thru 77	\$ 387,321	\$ 2,839,220	\$ (1,490,658)	\$ 1,348,562	\$ (12,274)	\$ 400	\$ (11,874)	\$ 1,724,009
<b>DSM EMF\$</b>										
79	March 2013 %s		-194.98%	-14.17%	-14.17%	-14.17%	0.00%	0.00%	0.00%	Total
80	Apr-14	Actual	\$ 237,525	\$ (29,536)	\$ 15,459	\$ (14,077)	\$ -	\$ -	\$ -	\$ 223,448
81	May-14	Lines 75 x 79	\$ (245,644)	(122,422)	62,238	(60,185)	-	-	-	(305,828)
82	Jun-14	Lines 76 x 79	(356,078)	(121,939)	59,058	(62,882)	-	-	-	(418,960)
83	Jul-14	Lines 77 x 79	(390,988)	(128,354)	74,410	(53,942)	-	-	-	(444,930)
84	Total	Σ Lines 80 thru 83	\$ (755,185)	\$ (402,250)	\$ 211,164	\$ (191,086)	\$ -	\$ -	\$ -	\$ (946,271)
<b>DSDR EMF\$</b>										
85	March 2013 %s		38.99%	-15.83%	-15.83%	-15.83%	100.00%	100.00%	100.00%	Total
86	Apr-14	Actual-Per Books	\$ (47,508)	\$ (33,032)	\$ 17,289	\$ (15,743)	\$ (2,662)	\$ 83	\$ (2,579)	\$ (65,830)
87	May-14	Lines 75 x 85	49,126	(136,811)	69,560	(67,251)	(3,554)	108	(3,447)	(21,572)
88	Jun-14	Lines 76 x 85	71,212	(136,271)	66,005	(70,266)	(2,814)	99	(2,714)	(1,768)
89	Jul-14	Lines 77 x 85	78,194	(143,440)	83,164	(60,276)	(3,244)	110	(3,134)	14,784
90	Total	Σ Lines 86 thru 89	\$ 151,024	\$ (449,554)	\$ 236,018	\$ (213,535)	\$ (12,274)	\$ 400	\$ (11,874)	\$ (74,386)

Duke Energy Progress, Inc

Test Period DSM/EE EMF Recovery Summary (\$)

(II) Actual/Estimated Revenue (continued)

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
91	EE EMF\$	March 2013 %s	255.99%	130.00%	130.00%	130.01%	0.00%	0.00%	0.00%	Total
92	Apr-14	Actual-Per Books	\$ (311,817)	\$ 271,239	\$ (141,961)	\$ 129,278	\$ -	\$ -	\$ -	\$ (182,539)
93	May-14	Lines 75 x 91	322,499	1,123,264	(571,122)	552,143	-	-	-	874,641
94	Jun-14	Lines 76 x 91	467,485	1,118,829	(541,940)	576,891	-	-	-	1,044,376
95	Jul-14	Lines 77 x 91	513,317	1,177,692	(682,817)	494,871	-	-	-	1,008,188
96	Total	Σ Lines 92 thru 95	\$ 991,483	\$ 3,691,024	\$ (1,937,840)	\$ 1,753,183	\$ -	\$ -	\$ -	\$ 2,744,666

F. NC Adjusted Test Period EMF Revenues

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
97	DSM EMF\$	Lines 13 - 14 x 84	\$ 595,181	\$ (668,279)	\$ 347,813	\$ (320,464)	\$ -	\$ -	\$ -	\$ 274,717
98	DSDR EMF\$	Lines 27 - 28 x 90	(445,303)	(1,078,559)	567,454	(511,105)	(36,538)	1,163	(35,376)	(991,784)
99	EE EMF\$	Lines 41 - 42 x 96	391,215	9,449,044	(4,978,823)	4,470,219	-	-	-	4,861,433
100	Total EMF\$	Σ Lines 97 thru 99	\$ 541,093	\$ 7,702,206	\$ (4,063,557)	\$ 3,638,649	\$ (36,538)	\$ 1,163	\$ (35,376)	\$ 4,144,366

G. NC Adjusted Test Period Revenues

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
101	DSM\$	W/P R-2 Line 85	\$ 8,563,017	\$ 2,005,795	\$ (1,035,827)	\$ 969,968	\$ -	\$ -	\$ -	\$ 9,532,984
102	DSDR\$	W/P R-2 Line 86	17,726,895	24,102,771	(12,645,986)	11,456,785	470,508	(15,042)	455,465	29,639,146
103	EE\$	W/P R-2 Line 87	23,481,240	27,331,766	(13,979,449)	13,352,318	-	-	-	36,833,558
104	Total	Σ Lines 101 thru 103	\$ 49,771,152	\$ 53,440,332	\$ (27,661,261)	\$ 25,779,071	\$ 470,508	\$ (15,042)	\$ 455,465	\$ 76,005,688

H. Total NC Adjusted Test Period Revenues

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
105	DSM\$	Lines 97 + 101	\$ 9,158,198	\$ 1,337,516	\$ (688,014)	\$ 649,503	\$ -	\$ -	\$ -	\$ 9,807,701
106	DSDR\$	Lines 98 + 102	17,281,593	23,024,212	(12,078,532)	10,945,680	433,969	(13,880)	420,090	28,647,362
107	EE\$	Lines 99 + 103	23,872,454	36,780,810	(18,958,272)	17,822,537	-	-	-	41,694,991
108	Total	Σ Lines 105 thru 107	\$ 50,312,245	\$ 61,142,538	\$ (31,724,818)	\$ 29,417,720	\$ 433,969	\$ (13,880)	\$ 420,090	\$ 80,150,054

I. Total NC Adjusted Test Period Revenue Percentages

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
109	DSM	Lines 105 / 108	18.20%	2.19%	2.17%	2.21%	0.00%	0.00%	0.00%	12.24%
110	DSDR	Lines 106 / 108	34.35%	37.66%	38.07%	37.21%	100.00%	100.00%	100.00%	35.74%
111	EE	Lines 107 / 108	47.45%	60.16%	59.76%	60.58%	0.00%	0.00%	0.00%	52.02%
112	Total	Σ Lines 109 thru 111	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

J. Total NC Adjusted Test Period Revenue (Rate and EMF)

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
113	Aug-13	Line 47 + WP R-2	5,331,887.09	6,801,544.52	(3,355,922.57)	3,445,621.95	43,913.81	(1,390.41)	42,523.40	8,820,032.44
114	Sep-13	Line 48 + WP R-2	4,095,015.14	6,205,734.27	(3,276,735.20)	2,928,999.07	39,128.15	(1,253.28)	37,874.87	7,061,889.08
115	Oct-13	Line 49 + WP R-2	3,461,106.49	5,945,560.15	(3,098,985.41)	2,846,574.74	41,026.35	(1,282.74)	39,743.61	6,347,424.84
116	Nov-13	Line 50 + WP R-2	3,563,848.76	5,196,768.98	(2,752,062.92)	2,444,706.06	39,629.56	(1,171.59)	38,457.97	6,047,012.79
117	Dec-13	Line 51 + WP R-2	4,658,195.56	4,994,802.63	(2,611,906.67)	2,382,895.95	38,457.56	(1,257.95)	37,199.61	7,078,291.12
118	Jan-14	Line 52 + WP R-2	5,082,031.22	4,449,294.34	(2,295,662.42)	2,153,631.92	36,010.27	(1,159.52)	34,850.75	7,270,513.89
119	Feb-14	Line 53 + WP R-2	4,932,339.18	3,961,239.55	(1,994,034.82)	1,967,204.73	35,093.53	(1,140.56)	33,952.97	6,933,496.88
120	Mar-14	Line 54 + WP R-2	3,942,849.56	3,706,524.14	(1,906,179.81)	1,800,344.33	34,174.65	(1,112.91)	33,061.74	5,776,255.63
121	Apr-14	Line 74 + WP R-2	3,496,003.79	4,152,579.41	(2,173,437.54)	1,979,141.87	35,755.86	(1,120.21)	34,635.65	5,509,781.31
122	May-14	Line 75 + WP R-2	2,907,254.08	5,166,187.43	(2,626,794.52)	2,539,392.91	33,569.23	(1,015.56)	32,553.66	5,479,200.65
123	Jun-14	Line 76 + WP R-2	4,214,272.49	5,145,788.98	(2,492,575.05)	2,653,213.93	26,573.95	(939.47)	25,634.48	6,893,120.91
124	Jul-14	Line 77+ WP R-2	4,627,441.15	5,416,513.77	(3,140,521.09)	2,275,992.67	30,636.48	(1,035.66)	29,600.82	6,933,034.64

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### DSM/EE Sales Summary (Actual kWh)

	General Service				Lighting			Total		
	Residential	Total	Opt-Outs	Net	Total	Opt-Outs	Net	Total	Opt-Outs	Net
Apr-13	1,248,674,415	1,782,312,134	(967,899,085)	814,413,049	37,025,214	(1,120,019)	35,905,195	3,068,011,763	(969,019,104)	2,098,992,659
May-13	927,514,563	1,730,033,365	(915,259,416)	814,773,949	37,478,965	(1,194,782)	36,284,183	2,695,026,893	(916,454,198)	1,778,572,695
Jun-13	1,151,317,823	1,737,775,829	(868,493,048)	869,282,781	36,910,277	(1,105,253)	35,805,024	2,926,003,929	(869,598,301)	2,056,405,628
Jul-13	1,346,519,714	2,044,644,579	(1,094,258,221)	950,386,358	37,462,799	(1,218,427)	36,244,372	3,428,627,092	(1,095,476,648)	2,333,150,444
Aug-13	1,510,449,304	2,092,775,550	(1,032,593,912)	1,060,181,638	39,921,647	(1,257,060)	38,664,587	3,643,146,501	(1,033,850,972)	2,609,295,529
Sep-13	1,160,065,981	1,909,448,359	(1,008,226,216)	901,222,143	35,564,745	(1,139,345)	34,425,400	3,105,079,085	(1,009,365,561)	2,095,713,524
Oct-13	980,488,727	1,829,401,955	(953,533,971)	875,867,984	37,296,679	(1,166,124)	36,130,555	2,847,187,361	(954,700,095)	1,892,487,266
Nov-13	1,009,591,223	1,599,003,873	(846,788,588)	752,215,285	36,026,307	(1,065,082)	34,961,225	2,644,621,403	(847,853,670)	1,796,767,733
Dec-13	1,444,580,728	1,700,925,489	(872,806,200)	828,119,289	37,389,229	(1,216,985)	36,172,244	3,182,895,446	(874,023,185)	2,308,872,261
Jan-14	1,770,636,118	1,754,131,963	(854,690,162)	899,441,801	38,304,193	(1,232,519)	37,071,674	3,563,072,274	(855,922,681)	2,707,149,593
Feb-14	1,718,542,747	1,657,409,522	(834,324,193)	823,085,329	37,333,338	(1,213,357)	36,119,981	3,413,285,607	(835,537,550)	2,577,748,057
Mar-14	1,373,832,049	1,550,875,350	(797,564,772)	753,310,578	36,355,676	(1,183,950)	35,171,726	2,961,063,075	(798,748,722)	2,162,314,353
Totals	15,642,213,392	21,388,737,968	(11,046,437,784)	10,342,300,184	447,069,069	(14,112,903)	432,956,166	37,478,020,429	(11,060,550,687)	26,417,469,742
Jan-13	1,492,414,679	1,738,912,671	(902,045,788)	836,866,883	37,536,894	(1,123,336)	36,413,558	3,268,864,244	(903,169,124)	2,365,695,120
Feb-13	1,412,278,068	1,618,461,135	(857,244,274)	761,216,861	37,278,764	(1,137,856)	36,140,908	3,068,017,967	(858,382,130)	2,209,635,837
Mar-13	1,417,395,750	1,573,314,922	(785,485,575)	787,829,347	37,040,854	(1,095,643)	35,945,211	3,027,751,526	(786,581,218)	2,241,170,308
Totals	4,322,088,497	4,930,688,728	(2,544,775,637)	2,385,913,091	111,856,512	(3,356,835)	108,499,677	9,364,633,737	(2,548,132,472)	6,816,501,265
12ME12-13	15,101,290,975	21,357,009,861	(11,104,634,294)	10,252,375,567	446,932,374	(13,839,912)	433,092,462	36,905,233,210	(11,118,474,206)	25,786,759,004

### DSM/EE Sales Summary (Forecasted kWh)

	General Service				Lighting			Total		
	Residential	Total	Opt-Outs	Net	Total	Opt-Outs	Net	Total	Opt-Outs	Net
Dec-14	1,810,516,655	1,467,767,271	(872,806,200)	594,961,071	36,926,555	(1,216,985)	35,709,570	3,315,210,480	(874,023,185)	2,441,187,295
Jan-15	1,716,933,556	1,621,695,662	(854,690,162)	767,005,500	32,654,480	(1,232,519)	31,421,961	3,371,283,698	(855,922,681)	2,515,361,017
Feb-15	1,454,061,695	1,427,886,782	(834,324,193)	593,562,589	32,186,325	(1,213,357)	30,972,968	2,914,134,802	(835,537,550)	2,078,597,252
Mar-15	1,279,184,625	1,524,887,036	(797,564,772)	727,322,264	35,889,648	(1,183,950)	34,705,698	2,839,961,309	(798,748,722)	2,041,212,587
Apr-15	938,490,506	1,659,400,758	(967,899,085)	691,501,673	35,701,977	(1,120,019)	34,581,958	2,633,593,241	(969,019,104)	1,664,574,137
May-15	1,007,404,803	1,752,430,846	(915,259,416)	837,171,430	38,448,112	(1,194,782)	37,253,330	2,798,283,761	(916,454,198)	1,881,829,563
Jun-15	1,327,316,902	1,854,565,299	(868,493,048)	986,072,251	32,337,708	(1,105,253)	31,232,455	3,214,219,909	(869,598,301)	2,344,621,608
Jul-15	1,632,570,924	1,846,584,169	(1,094,258,221)	752,325,948	35,265,583	(1,218,427)	34,047,156	3,514,420,677	(1,095,476,648)	2,418,944,029
Aug-15	1,507,658,207	1,975,369,950	(1,032,593,912)	942,776,038	33,374,243	(1,257,060)	32,117,183	3,516,402,401	(1,033,850,972)	2,482,551,429
Sep-15	1,140,240,266	1,713,657,112	(1,008,226,216)	705,430,896	32,136,531	(1,139,345)	30,997,186	2,886,033,909	(1,009,365,561)	1,876,668,348
Oct-15	943,823,155	1,761,687,713	(953,533,971)	808,153,742	35,168,196	(1,166,124)	34,002,072	2,740,679,064	(954,700,095)	1,785,978,969
Nov-15	1,021,707,445	1,627,730,658	(846,788,588)	780,942,070	35,374,786	(1,065,082)	34,309,704	2,684,812,889	(847,853,670)	1,836,959,219
Totals	15,779,908,739	20,233,663,256	(11,046,437,784)	9,187,225,472	415,464,145	(14,112,903)	401,351,242	36,429,036,140	(11,060,550,687)	25,368,485,453

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Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of January 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,492,414,679	\$ 731,102.60	\$ 1,788,636.16	\$ 2,552,966.99	\$ 5,072,705.75	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,492,414,679	\$ 731,102.60	\$ 1,788,636.16	\$ 2,552,966.99	\$ 5,072,705.75	\$ 0.00340
Small General Service	151,027,618	\$ 14,649.03	\$ 179,818.16	\$ 223,675.77	\$ 418,142.96	\$ 0.00277
Medium General Svc	873,669,675	84,734.80	1,039,593.70	1,292,278.91	2,416,607.41	0.00277
Large General Service	714,215,378	68,516.49	786,589.18	889,469.23	1,744,574.90	0.00244
Less: Opt-Outs	(902,045,788)	(86,738.80)	(1,010,526.65)	(1,168,444.67)	(2,265,710.12)	0.00251
Net General Service	836,866,883	\$ 81,161.52	\$ 995,474.39	\$ 1,236,979.24	\$ 2,313,615.15	\$ 0.00276
Lighting	37,536,894	\$ -	\$ 44,598.03	\$ -	\$ 44,598.03	\$ 0.00119
Less: Opt Outs	(1,123,336)	-	(1,335.33)	-	(1,335.33)	0.00119
Net Lighting	36,413,558	\$ -	\$ 43,262.70	\$ -	\$ 43,262.70	\$ 0.00119
Total	2,365,695,120	\$ 812,264.12	\$ 2,827,373.25	\$ 3,789,946.23	\$ 7,429,583.60	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of January 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,492,414,679	\$ 74,497.68	\$ (104,619.05)	\$ 223,924.92	\$ 193,803.55	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,492,414,679	\$ 74,497.68	\$ (104,619.05)	\$ 223,924.92	\$ 193,803.55	\$ 0.00013
Small General Service	151,027,618	\$ (3,021.66)	\$ (9,059.87)	\$ 84,470.68	\$ 72,389.16	\$ 0.00048
Medium General Svc	873,669,675	(17,492.16)	(52,389.86)	487,476.00	417,593.98	0.00048
Large General Service	714,215,378	(15,554.97)	(40,819.86)	279,756.05	223,381.22	0.00031
Less: Opt-Outs	(902,045,788)	19,306.99	52,097.04	(385,375.51)	(313,971.49)	0.00035
Net General Service	836,866,883	\$ (16,761.81)	\$ (50,172.55)	\$ 466,327.22	\$ 399,392.87	\$ 0.00048
Lighting	37,536,894	\$ -	\$ (3,378.49)	\$ -	\$ (3,378.49)	\$ (0.00009)
Less: Opt Outs	(1,123,336)	-	101.10	-	101.10	(0.00009)
Net Lighting	36,413,558	-	(3,277.39)	-	(3,277.39)	(0.00009)
Total	2,365,695,120	\$ 57,735.87	\$ (158,068.98)	\$ 690,252.14	\$ 589,919.03	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of January 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,492,414,679	\$ 805,600.28	\$ 1,684,017.12	\$ 2,776,891.91	\$ 5,266,509.30	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,492,414,679	\$ 805,600.28	\$ 1,684,017.12	\$ 2,776,891.91	\$ 5,266,509.30	\$ 0.00353
Small General Service	151,027,618	\$ 11,627.37	\$ 170,758.30	\$ 308,146.45	\$ 490,532.12	0.00325
Medium General Svc	873,669,675	67,242.64	987,203.84	1,779,754.91	2,834,201.39	0.00324
Large General Service	714,215,378	52,961.52	745,769.32	1,169,225.28	1,967,956.12	0.00276
Less: Opt-Outs	(902,045,788)	(67,431.82)	(958,429.61)	(1,553,820.18)	(2,579,681.61)	0.00286
Net General Service	836,866,883	\$ 64,399.72	\$ 945,301.85	\$ 1,703,306.46	\$ 2,713,008.02	\$ 0.00324
Lighting	37,536,894	\$ -	\$ 41,219.54	\$ -	\$ 41,219.54	\$ 0.00110
Less: Opt Outs	(1,123,336)	-	(1,234.23)	-	(1,234.23)	0.00110
Net Lighting	36,413,558	-	42,454	-	39,985	\$ 0.00110
Total	2,365,695,120	\$ 869,999.99	\$ 2,671,772.73	\$ 4,480,198.37	\$ 8,019,502.63	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of February 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,412,278,068	\$ 692,013.55	\$ 1,693,309.56	\$ 2,416,399.66	\$ 4,801,722.77	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,412,278,068	\$ 692,013.55	\$ 1,693,309.56	\$ 2,416,399.66	\$ 4,801,722.77	\$ 0.00340
Small General Service	142,759,834	\$ 13,847.30	\$ 169,993.19	\$ 211,480.95	\$ 395,321.44	\$ 0.00277
Medium General Svc	791,065,676	76,732.58	942,092.43	1,172,183.03	2,191,008.04	0.00277
Large General Service	684,635,625	66,409.74	815,408.19	1,014,648.88	1,896,466.81	0.00277
Less: Opt-Outs	(857,244,274)	(83,152.68)	(1,020,976.57)	(1,270,432.42)	(2,374,561.67)	0.00277
Net General Service	761,216,861	\$ 73,836.95	\$ 906,517.24	\$ 1,127,880.44	\$ 2,108,234.62	\$ 0.00277
Lighting	37,278,764	\$ -	\$ 44,345.19	\$ -	\$ 44,345.19	\$ 0.00119
Less: Opt Outs	(1,137,856)	-	(1,354.05)	-	(1,354.05)	0.00119
Net Lighting	36,140,908	\$ -	\$ 42,991.14	\$ -	\$ 42,991.14	\$ 0.00119
Total	2,209,635,837	\$ 765,850.50	\$ 2,642,817.93	\$ 3,544,280.10	\$ 6,952,948.53	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of February 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,412,278,068	\$ 70,611.99	\$ (98,861.82)	\$ 211,842.76	\$ 183,592.93	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,412,278,068	\$ 70,611.99	\$ (98,861.82)	\$ 211,842.76	\$ 183,592.93	\$ 0.00013
Small General Service	142,759,834	\$ (2,855.87)	\$ (8,564.52)	\$ 79,882.11	\$ 68,461.73	\$ 0.00048
Medium General Svc	791,065,676	(15,822.64)	(47,461.81)	442,871.32	379,586.87	0.00048
Large General Service	684,635,625	(13,692.57)	(41,078.36)	383,409.38	328,638.45	0.00048
Less: Opt-Outs	(857,244,274)	17,144.91	51,434.61	(480,054.24)	(411,474.72)	0.00048
Net General Service	761,216,861	\$ (15,226.17)	\$ (45,670.08)	\$ 426,108.59	\$ 365,212.34	\$ 0.00048
Lighting	37,278,764	\$ -	\$ (3,355.09)	\$ -	\$ (3,355.09)	\$ (0.00009)
Less: Opt Outs	(1,137,856)	-	102.41	-	102.41	(0.00009)
Net Lighting	36,140,908	-	(3,252.68)	-	(3,252.68)	(0.00009)
Total	2,209,635,837	\$ 55,385.82	\$ (147,784.58)	\$ 637,951.35	\$ 545,552.59	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of February 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,412,278,068	\$ 762,625.54	\$ 1,594,447.74	\$ 2,628,242.42	\$ 4,985,315.70	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,412,278,068	\$ 762,625.54	\$ 1,594,447.74	\$ 2,628,242.42	\$ 4,985,315.70	\$ 0.00353
Small General Service	142,759,834	\$ 10,991.44	\$ 161,428.67	\$ 291,363.06	\$ 463,783.16	0.00325
Medium General Svc	791,065,676	60,909.94	894,630.62	1,615,054.35	2,570,594.92	0.00325
Large General Service	684,635,625	52,717.17	774,329.83	1,398,058.26	2,225,105.27	0.00325
Less: Opt-Outs	(857,244,274)	(66,007.77)	(969,541.96)	(1,750,486.66)	(2,786,036.39)	0.00325
Net General Service	761,216,861	\$ 58,610.78	\$ 860,847.16	\$ 1,553,989.03	\$ 2,473,446.96	\$ 0.00325
Lighting	37,278,764	\$ -	\$ 40,990.10	\$ -	\$ 40,990.10	\$ 0.00110
Less: Opt Outs	(1,137,856)	-	(1,251.64)	-	(1,251.64)	0.00110
Net Lighting	36,140,908	-	42,242	-	39,738	\$ 0.00110
Total	2,209,635,837	\$ 821,236.32	\$ 2,497,536.63	\$ 4,182,231.45	\$ 7,498,501.12	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of March 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,417,395,750	\$ 694,517.13	\$ 1,699,434.87	\$ 2,425,140.32	\$ 4,819,092.32	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,417,395,750	\$ 694,517.13	\$ 1,699,434.87	\$ 2,425,140.32	\$ 4,819,092.32	\$ 0.00340
Small General Service	146,756,153	\$ 14,235.45	\$ 174,775.89	\$ 217,462.78	\$ 406,474.12	\$ 0.00277
Medium General Svc	822,742,364	79,807.05	979,909.68	1,219,360.75	2,279,077.48	0.00277
Large General Service	603,816,405	58,570.19	719,145.34	894,855.91	1,672,571.44	0.00277
Less: Opt-Outs	(785,485,575)	(76,192.10)	(935,513.36)	(1,164,089.74)	(2,175,795.20)	0.00277
Net General Service	787,829,347	\$ 76,420.59	\$ 938,317.55	\$ 1,167,589.70	\$ 2,182,327.84	\$ 0.00277
Lighting	37,040,854	\$ -	\$ 44,078.15	\$ -	\$ 44,078.15	\$ 0.00119
Less: Opt Outs	(1,095,643)	-	(1,303.82)	-	(1,303.82)	0.00119
Net Lighting	35,945,211	\$ -	\$ 42,774.33	\$ -	\$ 42,774.33	\$ 0.00119
Total	2,241,170,308	\$ 770,937.72	\$ 2,680,526.75	\$ 3,592,730.02	\$ 7,044,194.49	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of March 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,417,395,750	\$ 70,866.60	\$ (99,221.32)	\$ 212,609.66	\$ 184,254.94	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,417,395,750	\$ 70,866.60	\$ (99,221.32)	\$ 212,609.66	\$ 184,254.94	\$ 0.00013
Small General Service	146,756,153	\$ (2,935.30)	\$ (8,804.51)	\$ 82,159.95	\$ 70,420.14	\$ 0.00048
Medium General Svc	822,742,364	(16,454.27)	(49,363.55)	460,768.35	394,950.54	0.00048
Large General Service	603,816,405	(12,076.33)	(36,228.98)	338,137.19	289,831.89	0.00048
Less: Opt-Outs	(785,485,575)	15,709.71	47,129.13	(439,872.01)	(377,033.17)	0.00048
Net General Service	787,829,347	\$ (15,756.18)	\$ (47,267.91)	\$ 441,193.48	\$ 378,169.39	\$ 0.00048
Lighting	37,040,854	\$ -	\$ (3,333.68)	\$ -	\$ (3,333.68)	\$ (0.00009)
Less: Opt Outs	(1,095,643)	-	98.61	-	98.61	(0.00009)
Net Lighting	35,945,211	-	(3,235.07)	-	(3,235.07)	(0.00009)
Total	2,241,170,308	\$ 55,110.42	\$ (149,724.30)	\$ 653,803.14	\$ 559,189.26	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of March 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,417,395,750	\$ 765,383.73	\$ 1,600,213.55	\$ 2,637,749.98	\$ 5,003,347.26	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,417,395,750	\$ 765,383.73	\$ 1,600,213.55	\$ 2,637,749.98	\$ 5,003,347.26	\$ 0.00353
Small General Service	146,756,153	\$ 11,300.15	\$ 165,971.38	\$ 299,622.73	\$ 476,894.26	0.00325
Medium General Svc	822,742,364	63,352.79	930,546.13	1,680,129.10	2,674,028.02	0.00325
Large General Service	603,816,405	46,493.87	682,916.36	1,232,993.10	1,962,403.33	0.00325
Less: Opt-Outs	(785,485,575)	(60,482.39)	(888,384.23)	(1,603,961.75)	(2,552,828.37)	0.00325
Net General Service	787,829,347	\$ 60,664.41	\$ 891,049.64	\$ 1,608,783.18	\$ 2,560,497.23	\$ 0.00325
Lighting	37,040,854	\$ -	\$ 40,744.47	\$ -	\$ 40,744.47	\$ 0.00110
Less: Opt Outs	(1,095,643)	-	(1,205.21)	-	(1,205.21)	0.00110
Net Lighting	35,945,211	-	41,950	-	39,539	\$ 0.00110
Total	2,241,170,308	\$ 826,048.14	\$ 2,533,212.87	\$ 4,246,533.16	\$ 7,603,383.75	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of April 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,248,674,415	\$ 611,847.79	\$ 1,497,151.73	\$ 2,136,472.55	\$ 4,245,472.07	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,248,674,415	\$ 611,847.79	\$ 1,497,151.73	\$ 2,136,472.55	\$ 4,245,472.07	\$ 0.00340
Small General Service	142,900,716	\$ 13,861.26	\$ 170,185.66	\$ 211,754.88	\$ 395,801.80	\$ 0.00277
Medium General Svc	863,643,852	83,773.06	1,028,566.48	1,279,832.19	2,392,171.73	0.00277
Large General Service	775,767,566	75,249.45	923,939.17	1,149,687.53	2,148,876.15	0.00277
Less: Opt-Outs	(967,899,085)	(93,886.28)	(1,152,773.20)	(1,434,440.67)	(2,681,100.15)	0.00277
Net General Service	814,413,049	\$ 78,997.50	\$ 969,918.11	\$ 1,206,833.93	\$ 2,255,749.54	\$ 0.00277
Lighting	37,025,214	\$ -	\$ 44,061.56	\$ -	\$ 44,061.56	\$ 0.00119
Less: Opt Outs	(1,120,019)	-	(1,332.92)	-	(1,332.92)	0.00119
Net Lighting	35,905,195	\$ -	\$ 42,728.64	\$ -	\$ 42,728.64	\$ 0.00119
Total	2,098,992,659	\$ 690,845.29	\$ 2,509,798.48	\$ 3,343,306.48	\$ 6,543,950.25	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of April 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,248,674,415	\$ 62,432.47	\$ (87,408.63)	\$ 187,301.27	\$ 162,325.11	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,248,674,415	\$ 62,432.47	\$ (87,408.63)	\$ 187,301.27	\$ 162,325.11	\$ 0.00013
Small General Service	142,900,716	\$ (2,858.19)	\$ (8,573.75)	\$ 80,007.34	\$ 68,575.40	\$ 0.00048
Medium General Svc	863,643,852	(17,273.54)	(51,817.57)	483,577.97	414,486.86	0.00048
Large General Service	775,767,566	(15,515.35)	(46,546.05)	434,429.84	372,368.44	0.00048
Less: Opt-Outs	(967,899,085)	19,357.87	58,074.11	(542,033.61)	(464,601.63)	0.00048
Net General Service	814,413,049	\$ (16,289.21)	\$ (48,863.26)	\$ 455,981.54	\$ 390,829.07	\$ 0.00048
Lighting	37,025,214	\$ -	\$ (3,332.21)	\$ -	\$ (3,332.21)	\$ (0.00009)
Less: Opt Outs	(1,120,019)	-	100.80	-	100.80	(0.00009)
Net Lighting	35,905,195	-	(3,231.41)	-	(3,231.41)	(0.00009)
Total	2,098,992,659	\$ 46,143.26	\$ (139,503.30)	\$ 643,282.81	\$ 549,922.77	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of April 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,248,674,415	\$ 674,280.26	\$ 1,409,743.10	\$ 2,323,773.82	\$ 4,407,797.18	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,248,674,415	\$ 674,280.26	\$ 1,409,743.10	\$ 2,323,773.82	\$ 4,407,797.18	\$ 0.00353
Small General Service	142,900,716	\$ 11,003.07	\$ 161,611.91	\$ 291,762.22	\$ 464,377.20	0.00325
Medium General Svc	863,643,852	66,499.52	976,748.91	1,763,410.16	2,806,658.59	0.00325
Large General Service	775,767,566	59,734.10	877,393.12	1,584,117.37	2,521,244.59	0.00325
Less: Opt-Outs	(967,899,085)	(74,528.41)	(1,094,699.09)	(1,976,474.28)	(3,145,701.78)	0.00325
Net General Service	814,413,049	\$ 62,708.29	\$ 921,054.85	\$ 1,662,815.47	\$ 2,646,578.61	\$ 0.00325
Lighting	37,025,214	\$ -	\$ 40,729.35	\$ -	\$ 40,729.35	\$ 0.00110
Less: Opt Outs	(1,120,019)	-	(1,232.12)	-	(1,232.12)	0.00110
Net Lighting	35,905,195	-	39,497.23	-	39,497.23	\$ 0.00110
Total	2,098,992,659	\$ 736,988.55	\$ 2,370,295.18	\$ 3,986,589.29	\$ 7,093,873.02	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of May 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	927,514,563	\$ 454,479.25	\$ 1,112,082.68	\$ 1,586,966.17	\$ 3,153,528.10	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	927,514,563	\$ 454,479.25	\$ 1,112,082.68	\$ 1,586,966.17	\$ 3,153,528.10	\$ 0.00340
Small General Service	128,790,015	\$ 12,492.51	\$ 153,380.63	\$ 190,845.08	\$ 356,718.22	\$ 0.00277
Medium General Svc	889,255,757	86,257.90	1,059,110.25	1,317,894.44	2,463,262.59	0.00277
Large General Service	711,987,593	69,062.80	847,977.22	1,055,165.61	1,972,205.63	0.00277
Less: Opt-Outs	(915,259,416)	(88,780.16)	(1,090,073.97)	(1,356,414.45)	(2,535,268.58)	0.00277
Net General Service	814,773,949	\$ 79,033.05	\$ 970,394.14	\$ 1,207,490.67	\$ 2,256,917.87	\$ 0.00277
Lighting	37,478,965	\$ -	\$ 44,599.88	\$ -	\$ 44,599.88	\$ 0.00119
Less: Opt Outs	(1,194,782)	-	(1,421.79)	-	(1,421.79)	0.00119
Net Lighting	36,284,183	\$ -	\$ 43,178.09	\$ -	\$ 43,178.09	\$ 0.00119
Total	1,778,572,695	\$ 533,512.30	\$ 2,125,654.91	\$ 2,794,456.84	\$ 5,453,624.05	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of May 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	927,514,563	\$ 46,374.91	\$ (64,926.80)	\$ 139,126.53	\$ 120,574.64	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	927,514,563	\$ 46,374.91	\$ (64,926.80)	\$ 139,126.53	\$ 120,574.64	\$ 0.00013
Small General Service	128,790,015	\$ (2,575.97)	\$ (7,727.18)	\$ 72,107.13	\$ 61,803.98	\$ 0.00048
Medium General Svc	889,255,757	(17,784.98)	(53,355.52)	497,995.45	426,854.95	0.00048
Large General Service	711,987,593	(14,239.75)	(42,719.26)	398,713.05	341,754.05	0.00048
Less: Opt-Outs	(915,259,416)	18,305.19	54,915.57	(512,545.27)	(439,324.51)	0.00048
Net General Service	814,773,949	\$ (16,295.51)	\$ (48,886.39)	\$ 456,270.35	\$ 391,088.46	\$ 0.00048
Lighting	37,478,965	\$ -	\$ (3,373.11)	\$ -	\$ (3,373.11)	\$ (0.00009)
Less: Opt Outs	(1,194,782)	-	107.53	-	107.53	(0.00009)
Net Lighting	36,284,183	-	(3,265.58)	-	(3,265.58)	(0.00009)
Total	1,778,572,695	\$ 30,079.40	\$ (117,078.76)	\$ 595,396.88	\$ 508,397.52	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of May 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	927,514,563	\$ 500,854.16	\$ 1,047,155.88	\$ 1,726,092.70	\$ 3,274,102.74	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	927,514,563	\$ 500,854.16	\$ 1,047,155.88	\$ 1,726,092.70	\$ 3,274,102.74	\$ 0.00353
Small General Service	128,790,015	\$ 9,916.54	\$ 145,653.45	\$ 262,952.20	\$ 418,522.19	0.00325
Medium General Svc	889,255,757	68,472.92	1,005,754.73	1,815,889.88	2,890,117.53	0.00325
Large General Service	711,987,593	54,823.05	805,257.97	1,453,878.66	2,313,959.68	0.00325
Less: Opt-Outs	(915,259,416)	(70,474.97)	(1,035,158.40)	(1,868,959.72)	(2,974,593.09)	0.00325
Net General Service	814,773,949	\$ 62,737.54	\$ 921,507.76	\$ 1,663,761.02	\$ 2,648,006.32	\$ 0.00325
Lighting	37,478,965	\$ -	\$ 41,226.78	\$ -	\$ 41,226.78	\$ 0.00110
Less: Opt Outs	(1,194,782)	-	(1,314.26)	-	(1,314.26)	0.00110
Net Lighting	36,284,183	-	39,912.51	-	39,912.51	\$ 0.00110
Total	1,778,572,695	\$ 563,591.70	\$ 2,008,576.15	\$ 3,389,853.72	\$ 5,962,021.57	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of June 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,151,317,823	\$ 564,145.41	\$ 1,380,428.70	\$ 1,969,903.81	\$ 3,914,477.92	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,151,317,823	\$ 564,145.41	\$ 1,380,428.70	\$ 1,969,903.81	\$ 3,914,477.92	\$ 0.00340
Small General Service	148,668,597	\$ 14,420.89	\$ 177,066.41	\$ 220,332.43	\$ 411,819.73	\$ 0.00277
Medium General Svc	926,078,419	89,848.49	1,103,515.45	1,373,827.17	2,567,191.10	0.00277
Large General Service	663,028,813	64,313.79	789,667.32	982,608.70	1,836,589.81	0.00277
Less: Opt-Outs	(868,493,048)	(84,243.83)	(1,034,375.22)	(1,287,106.70)	(2,405,725.75)	0.00277
Net General Service	869,282,781	\$ 84,339.33	\$ 1,035,873.95	\$ 1,289,661.60	\$ 2,409,874.88	\$ 0.00277
Lighting	36,910,277	\$ -	\$ 43,923.23	\$ -	\$ 43,923.23	\$ 0.00119
Less: Opt Outs	(1,105,253)	-	(1,315.25)	-	(1,315.25)	0.00119
Net Lighting	35,805,024	\$ -	\$ 42,607.98	\$ -	\$ 42,607.98	\$ 0.00119
Total	2,056,405,628	\$ 648,484.74	\$ 2,458,910.63	\$ 3,259,565.41	\$ 6,366,960.78	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of June 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,151,317,823	\$ 57,565.67	\$ (80,592.52)	\$ 172,697.79	\$ 149,670.94	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,151,317,823	\$ 57,565.67	\$ (80,592.52)	\$ 172,697.79	\$ 149,670.94	\$ 0.00013
Small General Service	148,668,597	\$ (2,973.33)	\$ (8,920.18)	\$ 83,258.37	\$ 71,364.86	\$ 0.00048
Medium General Svc	926,078,419	(18,508.69)	(55,554.48)	519,462.64	445,399.47	0.00048
Large General Service	663,028,813	(13,260.58)	(39,781.73)	371,296.14	318,253.83	0.00048
Less: Opt-Outs	(868,493,048)	17,369.86	52,109.59	(486,356.11)	(416,876.66)	0.00048
Net General Service	869,282,781	\$ (17,372.74)	\$ (52,146.80)	\$ 487,661.04	\$ 418,141.50	\$ 0.00048
Lighting	36,910,277	\$ -	\$ (3,321.92)	\$ -	\$ (3,321.92)	\$ (0.00009)
Less: Opt Outs	(1,105,253)	-	99.47	-	99.47	(0.00009)
Net Lighting	35,805,024	-	(3,222.45)	-	(3,222.45)	(0.00009)
Total	2,056,405,628	\$ 40,192.93	\$ (135,961.77)	\$ 660,358.83	\$ 564,589.99	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of June 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,151,317,823	\$ 621,711.08	\$ 1,299,836.18	\$ 2,142,601.60	\$ 4,064,148.86	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,151,317,823	\$ 621,711.08	\$ 1,299,836.18	\$ 2,142,601.60	\$ 4,064,148.86	\$ 0.00353
Small General Service	148,668,597	\$ 11,447.56	\$ 168,146.23	\$ 303,590.80	\$ 483,184.59	0.00325
Medium General Svc	926,078,419	71,339.80	1,047,960.97	1,893,289.81	3,012,590.57	0.00325
Large General Service	663,028,813	51,053.21	749,885.59	1,353,904.84	2,154,843.64	0.00325
Less: Opt-Outs	(868,493,048)	(66,873.97)	(982,265.63)	(1,773,462.81)	(2,822,602.41)	0.00325
Net General Service	869,282,781	\$ 66,966.59	\$ 983,727.15	\$ 1,777,322.64	\$ 2,828,016.38	\$ 0.00325
Lighting	36,910,277	\$ -	\$ 40,601.31	\$ -	\$ 40,601.31	\$ 0.00110
Less: Opt Outs	(1,105,253)	-	(1,215.78)	-	(1,215.78)	0.00110
Net Lighting	35,805,024	-	39,385.53	-	39,385.53	\$ 0.00110
Total	2,056,405,628	\$ 688,677.67	\$ 2,322,948.86	\$ 3,919,924.24	\$ 6,931,550.77	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of July 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,346,519,714	\$ 659,794.67	\$ 1,614,477.19	\$ 2,303,895.27	\$ 4,578,167.13	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,346,519,714	\$ 659,794.67	\$ 1,614,477.19	\$ 2,303,895.27	\$ 4,578,167.13	\$ 0.00340
Small General Service	165,057,976	\$ 16,010.73	\$ 196,588.93	\$ 244,628.47	\$ 457,228.13	\$ 0.00277
Medium General Svc	1,002,482,331	97,240.77	1,193,954.96	1,485,674.88	2,776,870.61	0.00277
Large General Service	877,104,272	85,079.11	1,044,631.19	1,299,868.53	2,429,578.83	0.00277
Less: Opt-Outs	(1,094,258,221)	(106,143.05)	(1,303,261.54)	(1,621,690.68)	(3,031,095.27)	0.00277
Net General Service	950,386,358	\$ 92,187.56	\$ 1,131,913.54	\$ 1,408,481.19	\$ 2,632,582.29	\$ 0.00277
Lighting	37,462,799	\$ -	\$ 44,580.99	\$ -	\$ 44,580.99	\$ 0.00119
Less: Opt Outs	(1,218,427)	-	(1,449.93)	-	(1,449.93)	0.00119
Net Lighting	36,244,372	\$ -	\$ 43,131.06	\$ -	\$ 43,131.06	\$ 0.00119
Total	2,333,150,444	\$ 751,982.23	\$ 2,789,521.79	\$ 3,712,376.46	\$ 7,253,880.48	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of July 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,346,519,714	\$ 67,325.99	\$ (94,256.37)	\$ 201,977.95	\$ 175,047.57	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,346,519,714	\$ 67,325.99	\$ (94,256.37)	\$ 201,977.95	\$ 175,047.57	\$ 0.00013
Small General Service	165,057,976	\$ (3,301.06)	\$ (9,903.53)	\$ 92,440.95	\$ 79,236.37	\$ 0.00048
Medium General Svc	1,002,482,331	(20,049.68)	(60,148.89)	561,387.31	481,188.75	0.00048
Large General Service	877,104,272	(17,542.09)	(52,626.26)	491,178.39	421,010.05	0.00048
Less: Opt-Outs	(1,094,258,221)	21,885.17	65,655.49	(612,784.60)	(525,243.95)	0.00048
Net General Service	950,386,358	\$ (19,007.65)	\$ (57,023.19)	\$ 532,222.05	\$ 456,191.21	\$ 0.00048
Lighting	37,462,799	\$ -	\$ (3,371.65)	\$ -	\$ (3,371.65)	\$ (0.00009)
Less: Opt Outs	(1,218,427)	-	109.66	-	109.66	(0.00009)
Net Lighting	36,244,372	-	(3,261.99)	-	(3,261.99)	(0.00009)
Total	2,333,150,444	\$ 48,318.34	\$ (154,541.55)	\$ 734,200.00	\$ 627,976.79	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of July 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,346,519,714	\$ 727,120.66	\$ 1,520,220.82	\$ 2,505,873.22	\$ 4,753,214.70	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,346,519,714	\$ 727,120.66	\$ 1,520,220.82	\$ 2,505,873.22	\$ 4,753,214.70	\$ 0.00353
Small General Service	165,057,976	\$ 12,709.68	\$ 186,685.40	\$ 337,069.42	\$ 536,464.49	0.00325
Medium General Svc	1,002,482,331	77,191.10	1,133,806.07	2,047,062.19	3,258,059.35	0.00325
Large General Service	877,104,272	67,537.03	992,004.93	1,791,046.92	2,850,588.88	0.00325
Less: Opt-Outs	(1,094,258,221)	(84,257.89)	(1,237,606.05)	(2,234,475.28)	(3,556,339.22)	0.00325
Net General Service	950,386,358	\$ 73,179.91	\$ 1,074,890.35	\$ 1,940,703.24	\$ 3,088,773.50	\$ 0.00325
Lighting	37,462,799	\$ -	\$ 41,209.34	\$ -	\$ 41,209.34	\$ 0.00110
Less: Opt Outs	(1,218,427)	-	(1,340.27)	-	(1,340.27)	0.00110
Net Lighting	36,244,372	-	39,869.07	-	39,869.07	\$ 0.00110
Total	2,333,150,444	\$ 800,300.57	\$ 2,634,980.24	\$ 4,446,576.46	\$ 7,881,857.27	NA



Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of August 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,510,449,304	\$ 740,120.27	\$ 1,811,029.18	\$ 2,584,379.10	\$ 5,135,528.55	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,510,449,304	\$ 740,120.27	\$ 1,811,029.18	\$ 2,584,379.10	\$ 5,135,528.55	\$ 0.00340
Small General Service	190,461,216	\$ 18,474.86	\$ 226,843.89	\$ 282,275.10	\$ 527,593.85	\$ 0.00277
Medium General Svc	1,094,808,821	106,196.46	1,303,917.32	1,622,506.70	3,032,620.48	0.00277
Large General Service	807,505,513	78,328.03	961,739.07	1,196,723.17	2,236,790.27	0.00277
Less: Opt-Outs	(1,032,593,912)	(100,161.61)	(1,229,819.35)	(1,530,304.18)	(2,860,285.14)	0.00277
Net General Service	1,060,181,638	\$ 102,837.74	\$ 1,262,680.93	\$ 1,571,200.79	\$ 2,936,719.46	\$ 0.00277
Lighting	39,921,647	\$ -	\$ 47,506.76	\$ -	\$ 47,506.76	\$ 0.00119
Less: Opt Outs	(1,257,060)	-	(1,495.90)	-	(1,495.90)	0.00119
Net Lighting	38,664,587	\$ -	\$ 46,010.86	\$ -	\$ 46,010.86	\$ 0.00119
Total	2,609,295,529	\$ 842,958.01	\$ 3,119,720.97	\$ 4,155,579.89	\$ 8,118,258.87	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of August 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,510,449,304	\$ 75,522.54	\$ (105,731.36)	\$ 226,567.36	\$ 196,358.54	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,510,449,304	\$ 75,522.54	\$ (105,731.36)	\$ 226,567.36	\$ 196,358.54	\$ 0.00013
Small General Service	190,461,216	\$ (3,809.12)	\$ (11,427.66)	\$ 106,665.81	\$ 91,429.03	\$ 0.00048
Medium General Svc	1,094,808,821	(21,896.18)	(65,688.53)	613,092.96	525,508.25	0.00048
Large General Service	807,505,513	(16,150.11)	(48,450.33)	452,203.09	387,602.65	0.00048
Less: Opt-Outs	(1,032,593,912)	20,651.88	61,963.28	(578,252.59)	(495,637.43)	0.00048
Net General Service	1,060,181,638	\$ (21,203.53)	\$ (63,603.24)	\$ 593,709.26	\$ 508,902.49	\$ 0.00048
Lighting	39,921,647	\$ -	\$ (3,592.95)	\$ -	\$ (3,592.95)	\$ (0.00009)
Less: Opt Outs	(1,257,060)	-	105.49	-	105.49	(0.00008)
Net Lighting	38,664,587	-	(3,487.46)	-	(3,487.46)	(0.00009)
Total	2,609,295,529	\$ 54,319.01	\$ (172,822.06)	\$ 820,276.62	\$ 701,773.57	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of August 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,510,449,304	\$ 815,642.81	\$ 1,705,297.82	\$ 2,810,946.46	\$ 5,331,887.09	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,510,449,304	\$ 815,642.81	\$ 1,705,297.82	\$ 2,810,946.46	\$ 5,331,887.09	\$ 0.00353
Small General Service	190,461,216	\$ 14,665.74	\$ 215,416.23	\$ 388,940.91	\$ 619,022.88	0.00325
Medium General Svc	1,094,808,821	84,300.28	1,238,228.79	2,235,599.66	3,558,128.73	0.00325
Large General Service	807,505,513	62,177.92	913,288.74	1,648,926.26	2,624,392.92	0.00325
Less: Opt-Outs	(1,032,593,912)	(79,509.73)	(1,167,856.07)	(2,108,556.77)	(3,355,922.57)	0.00325
Net General Service	1,060,181,638	\$ 81,634.21	\$ 1,199,077.69	\$ 2,164,910.05	\$ 3,445,621.95	\$ 0.00325
Lighting	39,921,647	\$ -	\$ 43,913.81	\$ -	\$ 43,913.81	\$ 0.00110
Less: Opt Outs	(1,257,060)	-	(1,390.41)	-	(1,390.41)	0.00111
Net Lighting	38,664,587	-	42,523.40	-	42,523.40	\$ 0.00110
Total	2,609,295,529	\$ 897,277.02	\$ 2,946,898.91	\$ 4,975,856.51	\$ 8,820,032.44	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of September 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,160,065,981	\$ 568,430.26	\$ 1,390,912.80	\$ 1,984,865.36	\$ 3,944,208.42	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,160,065,981	\$ 568,430.26	\$ 1,390,912.80	\$ 1,984,865.36	\$ 3,944,208.42	\$ 0.00340
Small General Service	158,006,386	\$ 15,326.81	\$ 188,190.87	\$ 234,178.44	\$ 437,696.12	\$ 0.00277
Medium General Svc	950,700,139	92,217.91	1,132,283.95	1,408,937.82	2,633,439.68	0.00277
Large General Service	800,741,834	77,671.96	953,683.52	1,186,699.40	2,218,054.88	0.00277
Less: Opt-Outs	(1,008,226,216)	(97,797.94)	(1,200,797.42)	(1,494,191.25)	(2,792,786.61)	0.00277
Net General Service	901,222,143	\$ 87,418.74	\$ 1,073,360.92	\$ 1,335,624.41	\$ 2,496,404.07	\$ 0.00277
Lighting	35,564,745	\$ -	\$ 42,328.98	\$ -	\$ 42,328.98	\$ 0.00119
Less: Opt Outs	(1,139,345)	-	(1,355.82)	-	(1,355.82)	0.00119
Net Lighting	34,425,400	\$ -	\$ 40,973.16	\$ -	\$ 40,973.16	\$ 0.00119
Total	2,095,713,524	\$ 655,849.00	\$ 2,505,246.88	\$ 3,320,489.77	\$ 6,481,585.65	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of September 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,160,065,981	\$ 58,002.46	\$ (81,205.53)	\$ 174,009.79	\$ 150,806.72	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,160,065,981	\$ 58,002.46	\$ (81,205.53)	\$ 174,009.79	\$ 150,806.72	\$ 0.00013
Small General Service	158,006,386	\$ (3,160.00)	\$ (9,480.26)	\$ 88,491.55	\$ 75,851.29	\$ 0.00048
Medium General Svc	950,700,139	(19,014.00)	(57,042.01)	532,392.23	456,336.22	0.00048
Large General Service	800,741,834	(16,014.84)	(48,044.51)	448,415.43	384,356.08	0.00048
Less: Opt-Outs	(1,008,226,216)	20,164.52	60,493.57	(564,606.68)	(483,948.59)	0.00048
Net General Service	901,222,143	\$ (18,024.32)	\$ (54,073.21)	\$ 504,692.53	\$ 432,595.00	\$ 0.00048
Lighting	35,564,745	\$ -	\$ (3,200.83)	\$ -	\$ (3,200.83)	\$ (0.00009)
Less: Opt Outs	(1,139,345)	-	102.54	-	102.54	(0.00009)
Net Lighting	34,425,400	-	(3,098.29)	-	(3,098.29)	(0.00009)
Total	2,095,713,524	\$ 39,978.14	\$ (138,377.03)	\$ 678,702.32	\$ 580,303.43	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of September 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,160,065,981	\$ 626,432.72	\$ 1,309,707.27	\$ 2,158,875.15	\$ 4,095,015.14	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,160,065,981	\$ 626,432.72	\$ 1,309,707.27	\$ 2,158,875.15	\$ 4,095,015.14	\$ 0.00353
Small General Service	158,006,386	\$ 12,166.81	\$ 178,710.61	\$ 322,669.99	\$ 513,547.41	0.00325
Medium General Svc	950,700,139	73,203.91	1,075,241.94	1,941,330.05	3,089,775.90	0.00325
Large General Service	800,741,834	61,657.12	905,639.01	1,635,114.83	2,602,410.96	0.00325
Less: Opt-Outs	(1,008,226,216)	(77,633.42)	(1,140,303.85)	(2,058,797.93)	(3,276,735.20)	0.00325
Net General Service	901,222,143	\$ 69,394.42	\$ 1,019,287.71	\$ 1,840,316.94	\$ 2,928,999.07	\$ 0.00325
Lighting	35,564,745	\$ -	\$ 39,128.15	\$ -	\$ 39,128.15	\$ 0.00110
Less: Opt Outs	(1,139,345)	-	(1,253.28)	-	(1,253.28)	0.00110
Net Lighting	34,425,400	-	37,874.87	-	37,874.87	\$ 0.00110
Total	2,095,713,524	\$ 695,827.14	\$ 2,366,869.85	\$ 3,999,192.09	\$ 7,061,889.08	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of October 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	980,488,727	\$ 480,437.38	\$ 1,175,598.62	\$ 1,677,609.05	\$ 3,333,645.05	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	980,488,727	\$ 480,437.38	\$ 1,175,598.62	\$ 1,677,609.05	\$ 3,333,645.05	\$ 0.00340
Small General Service	144,574,996	\$ 14,023.73	\$ 172,186.51	\$ 214,254.16	\$ 400,464.40	\$ 0.00277
Medium General Svc	937,693,459	90,956.32	1,116,795.91	1,389,669.50	2,597,421.73	0.00277
Large General Service	747,133,500	72,471.95	889,836.00	1,107,251.85	2,069,559.80	0.00277
Less: Opt-Outs	(953,533,971)	(92,492.80)	(1,135,658.96)	(1,413,137.35)	(2,641,289.11)	0.00277
Net General Service	875,867,984	\$ 84,959.21	\$ 1,043,159.46	\$ 1,298,038.16	\$ 2,426,156.83	\$ 0.00277
Lighting	37,296,679	\$ -	\$ 44,383.05	\$ -	\$ 44,383.05	\$ 0.00119
Less: Opt Outs	(1,166,124)	-	(1,387.69)	-	(1,387.69)	0.00119
Net Lighting	36,130,555	\$ -	\$ 42,995.36	\$ -	\$ 42,995.36	\$ 0.00119
Total	1,892,487,266	\$ 565,396.59	\$ 2,261,753.44	\$ 2,975,647.21	\$ 5,802,797.24	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of October 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	980,488,727	\$ 49,023.37	\$ (68,635.45)	\$ 147,073.52	\$ 127,461.44	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	980,488,727	\$ 49,023.37	\$ (68,635.45)	\$ 147,073.52	\$ 127,461.44	\$ 0.00013
Small General Service	144,574,996	\$ (2,891.55)	\$ (8,674.46)	\$ 80,957.90	\$ 69,391.89	\$ 0.00048
Medium General Svc	937,693,459	(18,753.81)	(56,261.67)	525,113.72	450,098.25	0.00048
Large General Service	747,133,500	(14,942.67)	(44,828.02)	418,394.76	358,624.08	0.00048
Less: Opt-Outs	(953,533,971)	19,070.68	57,212.04	(533,979.02)	(457,696.30)	0.00048
Net General Service	875,867,984	\$ (17,517.35)	\$ (52,552.10)	\$ 490,487.36	\$ 420,417.91	\$ 0.00048
Lighting	37,296,679	\$ -	\$ (3,356.70)	\$ -	\$ (3,356.70)	\$ (0.00009)
Less: Opt Outs	(1,166,124)	-	104.95	-	104.95	(0.00009)
Net Lighting	36,130,555	-	(3,251.75)	-	(3,251.75)	(0.00009)
Total	1,892,487,266	\$ 31,506.02	\$ (124,439.30)	\$ 637,560.88	\$ 544,627.60	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of October 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	980,488,727	\$ 529,460.75	\$ 1,106,963.17	\$ 1,824,682.57	\$ 3,461,106.49	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	980,488,727	\$ 529,460.75	\$ 1,106,963.17	\$ 1,824,682.57	\$ 3,461,106.49	\$ 0.00353
Small General Service	144,574,996	\$ 11,132.18	\$ 163,512.05	\$ 295,212.06	\$ 469,856.29	0.00325
Medium General Svc	937,693,459	72,202.51	1,060,534.25	1,914,783.22	3,047,519.98	0.00325
Large General Service	747,133,500	57,529.28	845,007.99	1,525,646.61	2,428,183.88	0.00325
Less: Opt-Outs	(953,533,971)	(73,422.12)	(1,078,446.92)	(1,947,116.37)	(3,098,985.41)	0.00325
Net General Service	875,867,984	\$ 67,441.86	\$ 990,607.36	\$ 1,788,525.52	\$ 2,846,574.74	\$ 0.00325
Lighting	37,296,679	\$ -	\$ 41,026.35	\$ -	\$ 41,026.35	\$ 0.00110
Less: Opt Outs	(1,166,124)	-	(1,282.74)	-	(1,282.74)	0.00110
Net Lighting	36,130,555	-	39,743.61	-	39,743.61	\$ 0.00110
Total	1,892,487,266	\$ 596,902.61	\$ 2,137,314.14	\$ 3,613,208.09	\$ 6,347,424.84	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of November 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,009,591,223	\$ 494,698.56	\$ 1,210,498.41	\$ 1,727,405.50	\$ 3,432,602.47	\$ 0.00340
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,009,591,223	\$ 494,698.56	\$ 1,210,498.41	\$ 1,727,405.50	\$ 3,432,602.47	\$ 0.00340
Small General Service	124,393,745	\$ 12,066.21	\$ 148,154.12	\$ 184,354.58	\$ 344,574.90	\$ 0.00277
Medium General Svc	802,963,362	77,887.45	956,329.37	1,189,991.70	2,224,208.52	0.00277
Large General Service	671,646,766	65,149.74	799,931.30	995,380.51	1,860,461.55	0.00277
Less: Opt-Outs	(846,788,588)	(82,138.49)	(1,008,525.21)	(1,254,940.69)	(2,345,604.39)	0.00277
Net General Service	752,215,285	\$ 72,964.91	\$ 895,889.57	\$ 1,114,786.10	\$ 2,083,640.58	\$ 0.00277
Lighting	36,026,307	\$ -	\$ 42,871.92	\$ -	\$ 42,871.92	\$ 0.00119
Less: Opt Outs	(1,065,082)	-	(1,267.45)	-	(1,267.45)	0.00119
Net Lighting	34,961,225	\$ -	\$ 41,604.47	\$ -	\$ 41,604.47	\$ 0.00119
Total	1,796,767,733	\$ 567,663.46	\$ 2,147,992.45	\$ 2,842,191.60	\$ 5,557,847.51	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of November 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,009,591,223	\$ 50,479.57	\$ (70,671.24)	\$ 151,437.97	\$ 131,246.30	\$ 0.00013
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,009,591,223	\$ 50,479.57	\$ (70,671.24)	\$ 151,437.97	\$ 131,246.30	\$ 0.00013
Small General Service	124,393,745	\$ (2,487.85)	\$ (7,463.66)	\$ 69,662.67	\$ 59,711.16	\$ 0.00048
Medium General Svc	802,963,362	(16,059.27)	(48,177.80)	449,659.48	385,422.41	0.00048
Large General Service	671,646,766	(13,432.94)	(40,298.81)	376,122.19	322,390.44	0.00048
Less: Opt-Outs	(846,788,588)	16,935.78	50,807.31	(474,201.61)	(406,458.53)	0.00048
Net General Service	752,215,285	\$ (15,044.29)	\$ (45,132.96)	\$ 421,242.73	\$ 361,065.49	\$ 0.00048
Lighting	36,026,307	\$ -	\$ (3,242.36)	\$ -	\$ (3,242.36)	\$ (0.00009)
Less: Opt Outs	(1,065,082)	-	95.86	-	95.86	(0.00009)
Net Lighting	34,961,225	-	(3,146.50)	-	(3,146.50)	(0.00009)
Total	1,796,767,733	\$ 35,435.28	\$ (118,950.70)	\$ 572,680.70	\$ 489,165.28	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of November 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,009,591,223	\$ 545,178.12	\$ 1,139,827.17	\$ 1,878,843.47	\$ 3,563,848.76	\$ 0.00353
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,009,591,223	\$ 545,178.12	\$ 1,139,827.17	\$ 1,878,843.47	\$ 3,563,848.76	\$ 0.00353
Small General Service	124,393,745	\$ 9,578.36	\$ 140,690.46	\$ 254,017.25	\$ 404,286.06	0.00325
Medium General Svc	802,963,362	61,828.18	908,151.57	1,639,651.18	2,609,630.93	0.00325
Large General Service	671,646,766	51,716.80	759,632.49	1,371,502.70	2,182,851.99	0.00325
Less: Opt-Outs	(846,788,588)	(65,202.72)	(957,717.90)	(1,729,142.30)	(2,752,062.92)	0.00325
Net General Service	752,215,285	\$ 57,920.62	\$ 850,756.61	\$ 1,536,028.83	\$ 2,444,706.06	\$ 0.00325
Lighting	36,026,307	\$ -	\$ 39,629.56	\$ -	\$ 39,629.56	\$ 0.00110
Less: Opt Outs	(1,065,082)	-	(1,171.59)	-	(1,171.59)	0.00110
Net Lighting	34,961,225	-	38,457.97	-	38,457.97	\$ 0.00110
Total	1,796,767,733	\$ 603,098.74	\$ 2,029,041.75	\$ 3,414,872.30	\$ 6,047,012.79	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of December 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,444,580,728	\$ 754,635.84	\$ 1,641,812.10	\$ 2,227,694.76	\$ 4,624,142.70	\$ 0.00320
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,444,580,728	\$ 754,635.84	\$ 1,641,812.10	\$ 2,227,694.76	\$ 4,624,142.70	\$ 0.00320
Small General Service	150,728,444	\$ 14,145.04	\$ 170,888.47	\$ 198,511.43	\$ 383,544.94	\$ 0.00254
Medium General Svc	874,483,510	82,206.10	993,997.25	1,159,058.45	2,235,261.80	0.00256
Large General Service	675,713,535	64,298.60	782,175.77	936,279.48	1,782,753.85	0.00264
Less: Opt-Outs	(872,806,200)	(82,833.14)	(1,196,507.52)	(1,007,685.15)	(2,287,025.81)	0.00262
Net General Service	828,119,289	\$ 77,816.60	\$ 750,553.97	\$ 1,286,164.21	\$ 2,114,534.78	\$ 0.00255
Lighting	37,389,229	\$ -	\$ 41,488.77	\$ -	\$ 41,488.77	\$ 0.00111
Less: Opt Outs	(1,216,985)	-	(1,357.39)	-	(1,357.39)	0.00112
Net Lighting	36,172,244	\$ -	\$ 40,131.38	\$ -	\$ 40,131.38	\$ 0.00111
Total	2,308,872,261	\$ 832,452.44	\$ 2,432,497.45	\$ 3,513,858.97	\$ 6,778,808.86	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of December 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,444,580,728	\$ 169,153.81	\$ (80,398.83)	\$ (54,702.12)	\$ 34,052.86	\$ 0.00002
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,444,580,728	\$ 169,153.81	\$ (80,398.83)	\$ (54,702.12)	\$ 34,052.86	\$ 0.00002
Small General Service	150,728,444	\$ (2,810.74)	\$ (6,257.94)	\$ 56,957.87	\$ 47,889.19	\$ 0.00032
Medium General Svc	874,483,510	(16,367.33)	(37,130.29)	338,568.28	285,070.66	0.00033
Large General Service	675,713,535	(12,980.43)	(33,247.06)	306,509.68	260,282.19	0.00039
Less: Opt-Outs	(872,806,200)	16,672.24	41,655.29	(383,208.39)	(324,880.86)	0.00037
Net General Service	828,119,289	\$ (15,486.26)	\$ (34,980.00)	\$ 318,827.43	\$ 268,361.18	\$ 0.00032
Lighting	37,389,229	\$ -	\$ (3,031.21)	\$ -	\$ (3,031.21)	\$ (0.00008)
Less: Opt Outs	(1,216,985)	-	99.44	-	99.44	(0.00008)
Net Lighting	36,172,244	-	(2,931.77)	-	(2,931.77)	(0.00008)
Total	2,308,872,261	\$ 153,667.55	\$ (118,310.60)	\$ 264,125.31	\$ 299,482.26	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of December 2013

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,444,580,728	\$ 923,789.65	\$ 1,561,413.27	\$ 2,172,992.64	\$ 4,658,195.56	\$ 0.00322
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,444,580,728	\$ 923,789.65	\$ 1,561,413.27	\$ 2,172,992.64	\$ 4,658,195.56	\$ 0.00322
Small General Service	150,728,444	\$ 11,334.31	\$ 164,630.53	\$ 255,469.30	\$ 431,434.13	0.00286
Medium General Svc	874,483,510	65,838.77	956,866.96	1,497,626.73	2,520,332.46	0.00288
Large General Service	675,713,535	51,318.17	748,928.71	1,242,789.16	2,043,036.04	0.00302
Less: Opt-Outs	(872,806,200)	(66,160.90)	(1,154,852.23)	(1,390,893.54)	(2,611,906.67)	0.00299
Net General Service	828,119,289	\$ 62,330.35	\$ 715,573.97	\$ 1,604,991.64	\$ 2,382,895.95	\$ 0.00288
Lighting	37,389,229	\$ -	\$ 38,457.56	\$ -	\$ 38,457.56	\$ 0.00103
Less: Opt Outs	(1,216,985)	-	(1,257.95)	-	(1,257.95)	0.00103
Net Lighting	36,172,244	-	37,199.61	-	37,199.61	\$ 0.00103
Total	2,308,872,261	\$ 986,119.99	\$ 2,314,186.85	\$ 3,777,984.28	\$ 7,078,291.12	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of January 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,770,636,118	\$ 991,520.10	\$ 1,884,015.03	\$ 2,383,449.25	\$ 5,258,984.38	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,770,636,118	\$ 991,520.10	\$ 1,884,015.03	\$ 2,383,449.25	\$ 5,258,984.38	\$ 0.00297
Small General Service	175,563,011	\$ 15,803.29	\$ 186,846.52	\$ 196,065.15	\$ 398,714.96	\$ 0.00227
Medium General Svc	921,907,303	82,990.04	981,242.87	1,029,809.66	2,094,042.57	0.00227
Large General Service	656,661,649	61,169.75	736,247.38	841,076.38	1,638,493.51	0.00250
Less: Opt-Outs	(854,690,162)	(78,981.03)	(946,745.01)	(1,061,486.29)	(2,087,212.33)	0.00244
Net General Service	899,441,801	\$ 80,982.05	\$ 957,591.76	\$ 1,005,464.90	\$ 2,044,038.71	\$ 0.00227
Lighting	38,304,193	\$ -	\$ 38,692.11	\$ -	\$ 38,692.11	\$ 0.00101
Less: Opt Outs	(1,232,519)	-	(1,245.91)	-	(1,245.91)	0.00101
Net Lighting	37,071,674	\$ -	\$ 37,446.20	\$ -	\$ 37,446.20	\$ 0.00101
Total	2,707,149,593	\$ 1,072,502.15	\$ 2,879,052.99	\$ 3,388,914.15	\$ 7,340,469.29	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of January 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,770,636,118	\$ 345,201.79	\$ (69,071.53)	\$ (453,083.42)	\$ (176,953.16)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,770,636,118	\$ 345,201.79	\$ (69,071.53)	\$ (453,083.42)	\$ (176,953.16)	\$ (0.00010)
Small General Service	175,563,011	\$ (2,985.69)	\$ (3,351.03)	\$ 27,538.89	\$ 21,202.17	\$ 0.00012
Medium General Svc	921,907,303	(15,680.30)	(17,623.90)	144,878.42	111,574.22	0.00012
Large General Service	656,661,649	(12,050.48)	(24,602.04)	221,919.43	185,266.91	0.00028
Less: Opt-Outs	(854,690,162)	15,412.13	28,298.50	(252,160.72)	(208,450.09)	0.00024
Net General Service	899,441,801	\$ (15,304.34)	\$ (17,278.47)	\$ 142,176.02	\$ 109,593.21	\$ 0.00012
Lighting	38,304,193	\$ -	\$ (2,681.84)	\$ -	\$ (2,681.84)	\$ (0.00007)
Less: Opt Outs	(1,232,519)	-	86.39	-	86.39	(0.00007)
Net Lighting	37,071,674	-	(2,595.45)	-	(2,595.45)	(0.00007)
Total	2,707,149,593	\$ 329,897.45	\$ (88,945.45)	\$ (310,907.40)	\$ (69,955.40)	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of January 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,770,636,118	\$ 1,336,721.89	\$ 1,814,943.50	\$ 1,930,365.83	\$ 5,082,031.22	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,770,636,118	\$ 1,336,721.89	\$ 1,814,943.50	\$ 1,930,365.83	\$ 5,082,031.22	\$ 0.00287
Small General Service	175,563,011	\$ 12,817.60	\$ 183,495.49	\$ 223,604.04	\$ 419,917.13	0.00239
Medium General Svc	921,907,303	67,309.74	963,618.97	1,174,688.08	2,205,616.79	0.00239
Large General Service	656,661,649	49,119.27	711,645.34	1,062,995.81	1,823,760.42	0.00278
Less: Opt-Outs	(854,690,162)	(63,568.90)	(918,446.51)	(1,313,647.01)	(2,295,662.42)	0.00269
Net General Service	899,441,801	\$ 65,677.71	\$ 940,313.29	\$ 1,147,640.92	\$ 2,153,631.92	\$ 0.00239
Lighting	38,304,193	\$ -	\$ 36,010.27	\$ -	\$ 36,010.27	\$ 0.00094
Less: Opt Outs	(1,232,519)	-	(1,159.52)	-	(1,159.52)	0.00094
Net Lighting	37,071,674	-	34,850.75	-	34,850.75	\$ 0.00094
Total	2,707,149,593	\$ 1,402,399.60	\$ 2,790,107.54	\$ 3,078,006.75	\$ 7,270,513.89	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of February 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,718,542,747	\$ 962,362.54	\$ 1,828,544.48	\$ 2,313,235.01	\$ 5,104,142.02	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,718,542,747	\$ 962,362.54	\$ 1,828,544.48	\$ 2,313,235.01	\$ 5,104,142.02	\$ 0.00297
Small General Service	165,835,251	\$ 14,922.97	\$ 176,408.65	\$ 184,956.69	\$ 376,288.30	\$ 0.00227
Medium General Svc	844,532,238	76,010.36	898,626.91	942,626.54	1,917,263.81	0.00227
Large General Service	647,042,033	58,233.78	688,452.72	722,098.91	1,468,785.41	0.00227
Less: Opt-Outs	(834,324,193)	(75,089.18)	(887,720.94)	(931,105.80)	(1,893,915.92)	0.00227
Net General Service	823,085,329	\$ 74,077.93	\$ 875,767.34	\$ 918,576.34	\$ 1,868,421.60	\$ 0.00227
Lighting	37,333,338	\$ -	\$ 37,706.77	\$ -	\$ 37,706.77	\$ 0.00101
Less: Opt Outs	(1,213,357)	-	(1,225.49)	-	(1,225.49)	0.00101
Net Lighting	36,119,981	\$ -	\$ 36,481.28	\$ -	\$ 36,481.28	\$ 0.00101
Total	2,577,748,057	\$ 1,036,440.46	\$ 2,740,793.09	\$ 3,231,811.34	\$ 7,009,044.89	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of February 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,718,542,747	\$ 335,077.39	\$ (67,034.30)	\$ (439,845.92)	\$ (171,802.84)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,718,542,747	\$ 335,077.39	\$ (67,034.30)	\$ (439,845.92)	\$ (171,802.84)	\$ (0.00010)
Small General Service	165,835,251	\$ (2,818.26)	\$ (3,137.94)	\$ 25,742.86	\$ 19,786.67	\$ 0.00012
Medium General Svc	844,532,238	(14,358.10)	(16,060.51)	131,888.93	101,470.32	0.00012
Large General Service	647,042,033	(10,999.71)	(12,293.80)	100,938.56	77,645.05	0.00012
Less: Opt-Outs	(834,324,193)	14,183.51	15,852.16	(130,154.57)	(100,118.90)	0.00012
Net General Service	823,085,329	\$ (13,992.56)	\$ (15,640.09)	\$ 128,415.78	\$ 98,783.14	\$ 0.00012
Lighting	37,333,338	\$ -	\$ (2,613.24)	\$ -	\$ (2,613.24)	\$ (0.00007)
Less: Opt Outs	(1,213,357)	-	84.93	-	84.93	(0.00007)
Net Lighting	36,119,981	-	(2,528.31)	-	(2,528.31)	(0.00007)
Total	2,577,748,057	\$ 321,084.83	\$ (85,202.70)	\$ (311,430.14)	\$ (75,548.01)	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of February 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,718,542,747	\$ 1,297,439.92	\$ 1,761,510.18	\$ 1,873,389.09	\$ 4,932,339.18	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,718,542,747	\$ 1,297,439.92	\$ 1,761,510.18	\$ 1,873,389.09	\$ 4,932,339.18	\$ 0.00287
Small General Service	165,835,251	\$ 12,104.71	\$ 173,270.71	\$ 210,699.55	\$ 396,074.96	0.00239
Medium General Svc	844,532,238	61,652.26	882,566.40	1,074,515.47	2,018,734.13	0.00239
Large General Service	647,042,033	47,234.07	676,158.92	823,037.47	1,546,430.46	0.00239
Less: Opt-Outs	(834,324,193)	(60,905.67)	(871,868.78)	(1,061,260.37)	(1,994,034.82)	0.00239
Net General Service	823,085,329	\$ 60,085.37	\$ 860,127.25	\$ 1,046,992.12	\$ 1,967,204.73	\$ 0.00239
Lighting	37,333,338	\$ -	\$ 35,093.53	\$ -	\$ 35,093.53	\$ 0.00094
Less: Opt Outs	(1,213,357)	-	(1,140.56)	-	(1,140.56)	0.00094
Net Lighting	36,119,981	-	33,952.97	-	33,952.97	\$ 0.00094
Total	2,577,748,057	\$ 1,357,525.29	\$ 2,655,590.39	\$ 2,920,381.20	\$ 6,933,496.88	NA

Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of March 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,373,832,049	\$ 769,349.33	\$ 1,461,745.36	\$ 1,849,153.08	\$ 4,080,247.76	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,373,832,049	\$ 769,349.33	\$ 1,461,745.36	\$ 1,849,153.08	\$ 4,080,247.76	\$ 0.00297
Small General Service	143,946,834	\$ 12,955.45	\$ 153,163.53	\$ 160,656.47	\$ 326,775.44	\$ 0.00227
Medium General Svc	795,072,018	71,555.70	845,942.51	887,259.66	1,804,757.87	0.00227
Large General Service	611,856,498	55,067.08	651,015.32	682,831.85	1,388,914.25	0.00227
Less: Opt-Outs	(797,564,772)	(71,780.83)	(848,608.92)	(890,082.29)	(1,810,472.04)	0.00227
Net General Service	753,310,578	\$ 67,797.40	\$ 801,512.43	\$ 840,665.69	\$ 1,709,975.51	\$ 0.00227
Lighting	36,355,676	\$ -	\$ 36,719.59	\$ -	\$ 36,719.59	\$ 0.00101
Less: Opt Outs	(1,183,950)	-	(1,195.79)	-	(1,195.79)	0.00101
Net Lighting	35,171,726	\$ -	\$ 35,523.80	\$ -	\$ 35,523.80	\$ 0.00101
Total	2,162,314,353	\$ 837,146.72	\$ 2,298,781.58	\$ 2,689,818.76	\$ 5,825,747.06	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of March 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,373,832,049	\$ 267,905.46	\$ (53,578.30)	\$ (351,725.35)	\$ (137,398.20)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,373,832,049	\$ 267,905.46	\$ (53,578.30)	\$ (351,725.35)	\$ (137,398.20)	\$ (0.00010)
Small General Service	143,946,834	\$ (2,447.20)	\$ (2,736.31)	\$ 22,468.72	\$ 17,285.22	\$ 0.00012
Medium General Svc	795,072,018	(13,515.89)	(15,101.81)	123,986.30	95,368.60	0.00012
Large General Service	611,856,498	(10,401.56)	(11,625.27)	95,449.61	73,422.78	0.00012
Less: Opt-Outs	(797,564,772)	13,558.60	15,153.73	(124,420.10)	(95,707.77)	0.00012
Net General Service	753,310,578	\$ (12,806.05)	\$ (14,309.66)	\$ 117,484.53	\$ 90,368.83	\$ 0.00012
Lighting	36,355,676	\$ -	\$ (2,544.94)	\$ -	\$ (2,544.94)	\$ (0.00007)
Less: Opt Outs	(1,183,950)	-	82.88	-	82.88	(0.00007)
Net Lighting	35,171,726	-	(2,462.06)	-	(2,462.06)	(0.00007)
Total	2,162,314,353	\$ 255,099.41	\$ (70,350.02)	\$ (234,240.82)	\$ (49,491.43)	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of March 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,373,832,049	\$ 1,037,254.78	\$ 1,408,167.06	\$ 1,497,427.73	\$ 3,942,849.56	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,373,832,049	\$ 1,037,254.78	\$ 1,408,167.06	\$ 1,497,427.73	\$ 3,942,849.56	\$ 0.00287
Small General Service	143,946,834	\$ 10,508.25	\$ 150,427.22	\$ 183,125.19	\$ 344,060.65	0.00239
Medium General Svc	795,072,018	58,039.81	830,840.70	1,011,245.96	1,900,126.47	0.00239
Large General Service	611,856,498	44,665.52	639,390.05	778,281.46	1,462,337.03	0.00239
Less: Opt-Outs	(797,564,772)	(58,222.23)	(833,455.19)	(1,014,502.39)	(1,906,179.81)	0.00239
Net General Service	753,310,578	\$ 54,991.35	\$ 787,202.77	\$ 958,150.22	\$ 1,800,344.33	\$ 0.00239
Lighting	36,355,676	\$ -	\$ 34,174.65	\$ -	\$ 34,174.65	\$ 0.00094
Less: Opt Outs	(1,183,950)	-	(1,112.91)	-	(1,112.91)	0.00094
Net Lighting	35,171,726	-	35,287.56	-	33,061.74	\$ 0.00094
Total	2,162,314,353	\$ 1,092,246.13	\$ 2,230,657.38	\$ 2,455,577.94	\$ 5,776,255.63	NA



Source: RMCY4  
State: North Carolina

### DSM/EE Rate Billings (net of GRT & NCUC fee)

Month of April 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,218,110,298	\$ 682,138.19	\$ 1,296,074.14	\$ 1,639,592.26	\$ 3,617,804.59	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,218,110,298	\$ 682,138.19	\$ 1,296,074.14	\$ 1,639,592.26	\$ 3,617,804.59	\$ 0.00297
Small General Service	148,665,645	\$ 13,380.87	\$ 158,197.64	\$ 165,960.99	\$ 337,539.50	\$ 0.00227
Medium General Svc	885,250,535	79,675.58	941,956.40	988,084.76	2,009,716.74	0.00227
Large General Service	703,370,826	63,303.37	748,386.56	784,961.84	1,596,651.77	0.00227
Less: Opt-Outs	(909,293,313)	(81,838.47)	(967,520.29)	(1,014,865.80)	(2,064,224.56)	0.00227
Net General Service	827,993,693	\$ 74,521.35	\$ 881,020.31	\$ 924,141.79	\$ 1,879,683.45	\$ 0.00227
Lighting	38,046,992	\$ -	\$ 38,418.11	\$ -	\$ 38,418.11	\$ 0.00101
Less: Opt Outs	(1,191,715)	-	(1,203.63)	-	(1,203.63)	0.00101
Net Lighting	36,855,277	\$ -	\$ 37,214.48	\$ -	\$ 37,214.48	\$ 0.00101
Total	2,082,959,268	\$ 756,659.54	\$ 2,214,308.93	\$ 2,563,734.05	\$ 5,534,702.52	NA

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Source: RMCY6  
State: North Carolina

### DSM/EE EMF Billings (net of GRT & NCUC fee)

Month of April 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,218,110,298	\$ 237,524.57	\$ (47,508.02)	\$ (311,817.35)	\$ (121,800.80)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,218,110,298	\$ 237,524.57	\$ (47,508.02)	\$ (311,817.35)	\$ (121,800.80)	\$ (0.00010)
Small General Service	148,665,645	\$ (2,527.73)	\$ (2,830.26)	\$ 23,247.17	\$ 17,889.18	\$ 0.00012
Medium General Svc	885,250,535	(15,050.73)	(16,837.79)	138,266.25	106,377.73	0.00012
Large General Service	703,370,826	(11,957.30)	(13,364.06)	109,725.85	84,404.49	0.00012
Less: Opt-Outs	(909,293,313)	15,459.05	17,288.92	(141,960.95)	(109,212.98)	0.00012
Net General Service	827,993,693	\$ (14,076.71)	\$ (15,743.19)	\$ 129,278.32	\$ 99,458.42	\$ 0.00012
Lighting	38,046,992	\$ -	\$ (2,662.25)	\$ -	\$ (2,662.25)	\$ (0.00007)
Less: Opt Outs	(1,191,715)	-	83.42	-	83.42	(0.00007)
Net Lighting	36,855,277	-	(2,578.83)	-	(2,578.83)	(0.00007)
Total	2,082,959,268	\$ 223,447.86	\$ (65,830.04)	\$ (182,539.03)	\$ (24,921.21)	NA

Σ DSM/EE Rate and EMF  
State: North Carolina

### Total DSM/EE Rider Billings (net of GRT & NCUC fee)

Month of April 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,218,110,298	\$ 919,662.76	\$ 1,248,566.12	\$ 1,327,774.91	\$ 3,496,003.79	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,218,110,298	\$ 919,662.76	\$ 1,248,566.12	\$ 1,327,774.91	\$ 3,496,003.79	\$ 0.00287
Small General Service	148,665,645	\$ 10,853.14	\$ 155,367.38	\$ 189,208.16	\$ 355,428.68	0.00239
Medium General Svc	885,250,535	64,624.85	925,118.61	1,126,351.01	2,116,094.47	0.00239
Large General Service	703,370,826	51,346.07	735,022.50	894,687.69	1,681,056.26	0.00239
Less: Opt-Outs	(909,293,313)	(66,379.42)	(950,231.37)	(1,156,826.75)	(2,173,437.54)	0.00239
Net General Service	827,993,693	\$ 60,444.64	\$ 865,277.12	\$ 1,053,420.11	\$ 1,979,141.87	\$ 0.00239
Lighting	38,046,992	\$ -	\$ 35,755.86	\$ -	\$ 35,755.86	\$ 0.00094
Less: Opt Outs	(1,191,715)	-	(1,120.21)	-	(1,120.21)	0.00094
Net Lighting	36,855,277	-	34,635.65	-	34,635.65	\$ 0.00094
Total	2,082,959,268	\$ 980,107.40	\$ 2,148,478.89	\$ 2,381,195.02	\$ 5,509,781.31	NA