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June 17, 2015

**VIA ELECTRONIC FILING AND
OVERNIGHT DELIVERY**

Ms. Gail L. Mount, Deputy Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, NC 27699-4325

**RE: Docket No. E-2, Sub 1070
Duke Energy Progress, Inc.'s Application for Approval of Demand-
Side Management and Energy Efficiency Cost Recovery Rider**

Dear Ms. Mount:

I enclose Duke Energy Progress, Inc.'s Application for Approval of Demand-Side Management and Energy Efficiency Cost Recovery Rider, together with testimony and exhibits of Robert P. Evans and Carolyn T. Miller, for filing in connection with the referenced matter. I will deliver fifteen (15) paper copies to the Clerk's Office by close of business on June 18, 2015, via overnight delivery.

Thank you for your attention to this matter. Please contact me if you have any questions.

Respectfully submitted,

Brian L. Franklin

BLF/bml
Enclosures
cc: Parties of Record

OFFICIAL COPY

JUN 17 2015

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1070

In the Matter of	)	APPLICATION OF
Application of Duke Energy Progress, Inc.	)	DUKE ENERGY PROGRESS,
for Approval of Demand-Side Management	)	INC. FOR APPROVAL OF
and Energy Efficiency Cost Recovery Rider	)	DEMAND-SIDE
Pursuant to N.C. Gen. Stat. § 62-133.9 and	)	MANAGEMENT AND
Commission Rule R8-69	)	ENERGY EFFICIENCY COST
	)	RECOVERY RIDER

Duke Energy Progress, Inc. ("DEP" or the "Company"), pursuant to N.C. Gen. Stat. § 62-133.9 and Rule R8-69 of the Rules and Regulations of the North Carolina Utilities Commission (the "Commission"), hereby applies to the Commission for approval of its demand-side management ("DSM") and energy efficiency ("EE") cost recovery rider for 2016. In support of this Application, DEP respectfully shows the Commission the following:

1. The Company is a public utility operating in the states of North Carolina and South Carolina where it is engaged in the generation, transmission, distribution, and sale of electricity to the public for compensation. Its general offices are located at 410 South Wilmington Street, Raleigh, North Carolina; and its mailing address is Post Office Box 1551, Raleigh, North Carolina 27602-1551.

2. The attorneys for the Company, to whom all communications and pleadings should be addressed, are:

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3. N.C. Gen. Stat. § 62-133.9(d) authorizes the Commission to approve an annual rider to the rates of electric public utilities to recover all reasonable and prudent costs incurred for the adoption and implementation of new DSM and EE programs. Recoverable costs include, but are not limited to, all capital costs, including cost of capital and depreciation expense, administrative costs, implementation costs, incentive payments to program participants, and operating costs. Such rider shall consist of the utility's forecasted costs during the rate period and an Experience Modification Factor ("EMF") rider to collect the difference between the utility's actual reasonable and prudent costs incurred during the test period and actual revenues realized during the test period. The Commission is also authorized to approve incentives to utilities for adopting and implementing new DSM and EE programs, including rewards based on the sharing of savings achieved by the programs.

4. Rule R8-69(b) provides that the Commission will each year conduct a proceeding for each electric public utility to establish an annual DSM/EE rider to recover DSM- and EE-related costs.

5. According to Rule R8-69(e), the electric public utility is to file its application for recovery of DSM and EE costs at the same time it files the information required by Rule R8-55, and the Commission is to conduct an annual DSM/EE rider hearing as soon as practicable after the hearing required by Rule R8-55.

6. Pursuant to the provisions of N.C. Gen. Stat. § 62-133.9 and Commission Rule R8-69, the Company requests the establishment of a rider to recover its reasonable and prudent DSM and EE costs, including program costs, net lost revenues, incentives, and an EMF. All costs through the test period, including net lost revenues, Program Performance Incentives, and the EMF, are calculated pursuant to the Agreement and Stipulation of Partial Settlement filed on December 9, 2008 in Docket No. E-2, Sub 931. All costs projected for the rate period, including net lost revenues and Portfolio Performance Incentive, are calculated pursuant to the *Order Approving Revised Cost Recovery and Incentive Mechanism and Granting Waivers* issued by the Commission in Docket No. E-2, Sub 931 on January 20, 2015. The calculations of these costs, and the associated rider and EMF rates, are described in the Direct Testimony and Exhibits of Carolyn T. Miller. The rider and EMF are intended to allow DEP to recover \$160,159,297 of DSM and EE expenses, net lost revenues, and incentives. This amount includes the estimated under-collection of \$15,806,668 associated with test period activities during the period beginning August 1, 2014, and ending December 31, 2014, and an estimated \$144,352,629 for expenses and incentives to be incurred during the rate period from January 1, 2016, through December 31, 2016.

7. Pursuant to the provisions of N.C. Gen. Stat. § 62-133.9 and Commission Rule R8-69, the Company requests Commission approval of the annual billing adjustments as follows (all shown on a dollars per kilowatt-hour ("kWh") basis with and without NC regulatory fee):

Excluding regulatory fee:

Rate Class	DSM Rate (\$/kWh)	EE Rate (\$/kWh)	DSM EMF (\$/kWh)	EE Rate (\$/kWh)	DSM/EE Annual Rider (\$/kWh)
Residential	.00086	.00474	.00006	.00055	.00621
General Service EE		.00494		.00058	.00552
General Service DSM	.00039		.00001		.00040
Lighting		.00109		.00006	.00115

Including regulatory fee:

Rate Class	DSM Rate (\$/kWh)	EE Rate (\$/kWh)	DSM EMF (\$/kWh)	EE Rate (\$/kWh)	DSM/EE Annual Rider (\$/kWh)
Residential	.00086	.00475	.00006	.00055	.00622
General Service EE		.00495		.00058	.00553
General Service DSM	.00039		.00001		.00040
Lighting		.00109		.00006	.00115

The DSM/EE EMF rider will be in effect for the twelve month period January 1, 2016 through December 31, 2016.


8. Pursuant to Commission Rule R8-69(b)(6), DEP requests approval to defer prudently incurred costs to FERC account 182.3, "Other Regulatory Assets," until recovered. In addition, pursuant to Commission Rule R8-69(b)(6), DEP requests approval to defer the costs it incurs in adopting and implementing new DSM and EE measures up to six months prior to DEP filing for Commission approval of such measures in accordance with Commission Rule R8-68.

9. The Company has included herewith, as required by Commission Rule R8-69, the direct testimony and exhibits of witnesses Carolyn T. Miller, and Robert P. Evans in support of its filing and the requested change in rates.

WHEREFORE, the Company respectfully prays:

That, consistent with this Application, the Commission approves the changes to its rates as set forth in paragraph 7 above.

Respectfully submitted this 17th day of June 2015.



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ATTORNEYS FOR DUKE ENERGY
PROGRESS, INC.

STATE OF NORTH CAROLINA)
)
COUNTY OF MECKLENBURG) VERIFICATION

Carolyn T. Miller, being first duly sworn, deposes and says:

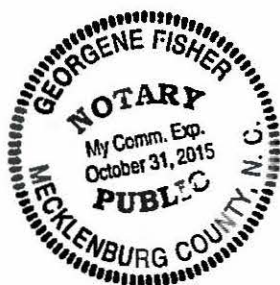
That she is MANAGER, RATES AND REGULATORY STRATEGY of DUKE ENERGY PROGRESS, INC., applicant in the above-titled action; that she has read the foregoing Application and knows the contents thereof; that the same is true except as to the matters stated therein on information and belief; and as to those matters, she believes it to be true.

Carolyn T. Miller
Carolyn T. Miller

Sworn to and subscribed before me
this the 17th day of June, 2015.

Georgene Fisher
Notary Public

My Commission Expires: October 31, 2015



BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1070

In the Matter of	)	DIRECT TESTIMONY OF
Application of Duke Energy Progress, Inc.	)	CAROLYN T. MILLER
for Approval of Demand-Side Management	)	FOR
and Energy Efficiency Cost Recovery Rider	)	DUKE ENERGY PROGRESS,
Pursuant to N.C. Gen. Stat. § 62-133.9 and	)	INC.
Commission Rule R8-69)	

1 **I. INTRODUCTION AND PURPOSE**

2 **Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND**
3 **POSITION WITH DUKE ENERGY CORPORATION.**

4 A. My name is Carolyn T. Miller, and my business address is 550 South Tryon
5 Street, Charlotte, North Carolina. I am a Rates Manager for Duke Energy
6 Corporation (“Duke Energy”) supporting both Duke Energy Progress, Inc.
7 (“DEP” or the “Company”) and Duke Energy Carolinas, LLC (“DEC”).

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

10 A. I graduated from the College of New Jersey in Trenton, New Jersey with a
11 Bachelor of Science in Accountancy. I am a certified public accountant
12 licensed in the State of North Carolina. I began my career in 1994 with Ernst
13 & Young as a staff auditor. In 1997, I began working with Duke Energy as a
14 senior business analyst and have held a variety of positions in the finance
15 organization. I joined the Rates Department in 2014 as Manager, Rates and
16 Regulatory Strategy.

17 **Q. HAVE YOU PREVIOUSLY PROVIDED TESTIMONY IN MATTERS**
18 **BROUGHT BEFORE THIS COMMISSION?**

19 A. Yes. I provided testimony in support of DEC’s application for approval of its
20 demand-side management (“DSM”) and energy efficiency (“EE”) cost
21 recovery rider in Docket No. E-7, Sub 1073.

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

1 A. I am responsible for providing regulatory support for retail rates and providing
2 guidance on DEP's DSM/EE cost recovery process.

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

4 A. The purpose of my testimony is to explain and support DEP's proposed
5 DSM/EE cost recovery rider and Experience Modification Factor ("EMF")
6 and provide information required by Commission Rule R8-69.

7 **Q. PLEASE DESCRIBE THE EXHIBITS ATTACHED TO YOUR**
8 **TESTIMONY.**

9 A. Miller Exhibit 1 provides a breakdown by program of the various components of the
10 final revenue requirement. Miller Exhibit 2 summarizes the annual sales for NC
11 customers opting-out of DSM/EE programs. Miller Exhibits 3 and 4 show the energy
12 allocation factors applicable to EE and DSM program costs, respectively. Miller
13 Exhibits 5 and 6 show the calculation of the EE and DSM rates for the rate period,
14 respectively. Miller Exhibit 7 lists the adjustments to the revenue requirement
15 needed in order to calculate the EMF rate. Details regarding these adjustments are
16 provided in section IV of this testimony. Miller Exhibits 8 and 9 present the
17 calculation of the EE EMF and DSM EMF rates, respectively. Miller Exhibit 10
18 summarizes the rates calculated on Miller Exhibits 5, 6, 8, and 9 into an annual rate
19 by customer class.

20 **II. GENERAL STRUCTURE OF RIDER**

21 **Q. HAVE ANY CHANGES BEEN MADE TO THE GENERAL**
22 **STRUCTURE OF DEP'S DSM/EE RIDER?**

1 A. Yes. As a result of the Commission's *Order Approving Revised Cost*
2 *Recovery and Incentive Mechanism and Granting Waivers* issued on January
3 20, 2015, in Docket No. E-2, Sub 931 ("Order Approving Revised
4 Mechanism"), beginning with this DSM/EE rider filing, the rate period for the
5 proposed DSM/EE rider is now aligned with the upcoming calendar year,
6 which in this proceeding is January 1, 2016, through December 31, 2016. The
7 test period used in the development of the DSM/EE EMF rider is now the
8 previous calendar year, which in this proceeding is January 1, 2014, through
9 December 31, 2014, adjusted as described below. In addition, consistent with
10 previous filings, one integrated (prospective) DSM/EE and one integrated
11 DSM/EE EMF rider shall be calculated for the residential class and the
12 residential portion of the lighting class, respectively, to be effective each rate
13 period. In accordance with the Order Approving Revised Mechanism,
14 beginning with charges on January 1, 2016, separate DSM and EE billing
15 factors will be available to opt-out eligible non-residential customers.

16 **III. SUMMARY OF DSM/EE COSTS**

17 **Q. CAN YOU PROVIDE A SUMMARY OF THE COSTS FOR WHICH**
18 **DEP IS REQUESTING RECOVERY IN THIS PROCEEDING?**

19 A. Yes. The DSM/EE costs DEP is requesting to recover through the rates
20 proposed in this proceeding are associated with the costs incurred during the
21 test period, as well as the costs forecasted to be incurred during the rate
22 period. In this case, the test period costs have been adjusted to ensure that
23 there is no over-recovery of 2014 DSM/EE program costs due to the transition

to the revised mechanism approved in the Commission's Order Approving Revised Mechanism. As such, the test period costs are the costs incurred from January 1, 2014, through December 31, 2014, less the costs included in the previously filed test and prospective periods (January 1, 2014 through July 31, 2014). As a result, the adjusted test period includes only those costs incurred from August 1, 2014 through December 31, 2014. The North Carolina allocated share of recoverable DSM/EE costs for this adjusted test period is \$62,046,058. For the rate period of January 1, 2016, through December 31, 2016, the North Carolina allocated share of forecasted DSM/EE costs is \$163,568,962. The total North Carolina allocated share of DSM/EE costs for the adjusted test period plus the rate period is \$225,615,020.

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

Program / Measure	Test Period	Rate Period
	8/1/14 through 12/31/14	1/1/16 through 12/31/16
CIG DR	\$932,948	\$4,561,159
EnergyWise SM	\$4,454,475	\$14,699,066
DSDR Implementation	\$12,223,287	\$29,369,477
Residential Home Advantage	\$75,421	\$176,476
Residential Home Energy Improvement	\$2,024,521	\$3,383,607
Residential Low Income – NES	\$690,006	\$1,709,538
CIG Energy Efficiency	\$6,518,746	\$19,685,469
Energy Efficient Lighting	\$17,751,333	\$31,750,173
Residential Appliance Recycling	\$848,698	\$1,703,948
Residential EE Benchmarking	\$999,184	\$11,219,871
Small Business Energy Saver	\$6,405,758	\$14,026,267
Residential New Construction	\$3,318,129	\$11,831,261
Multi- Family Energy Efficiency	N/A	\$2,636,780
EE Education	N/A	\$942,683
A&G	\$1,741,261	\$3,078,989

Carrying Cost on Balances	\$4,062,290	\$12,794,197
Total Cost	\$62,046,058	\$163,568,962

1 In addition to the summary table above, Miller Direct Exhibit No. 1
2 provides additional categorizations by cost element.

3 **Q. ARE DEP'S PROPOSED RATES DESIGNED TO RECOVER THE**
4 **TOTAL NORTH CAROLINA ALLOCATED SHARE OF \$225,615,020?**

5 A. No. Because many of the expenses incurred during the current test period to
6 develop and implement DEP's DSM and EE programs produce benefits
7 covering several years, a significant portion of those expenses will be deferred
8 and recovered over varying amortization periods. A summary of the
9 amortization periods for program expenses and Program/Portfolio
10 Performance Incentives ("PPI")¹ is shown below:

Length of Amortization Period				
Program Name	Program Cost -Batches prior to 2016	Program Cost - rate period 2016	PPI-vintages prior to 2016	PPI-rate period 2016
CIG DR	10	3	10	3
EnergyWise SM	10	10	10	10
DSDR Implementation	10	10	10	10
Residential Home Advantage	10	10	10	10
Residential Home Energy Improvement	10	10	10	10
Residential Low Income - NES	10	10	10	10
Energy Efficient Lighting	5	5	10	5
Residential Appliance	10	10	10	10

¹ As explained further below, for vintages prior to 2016, incentives are calculated on a program basis. Pursuant to the Order Approving Revised Mechanism, incentives under the revised mechanism are calculated on a portfolio basis. For ease of reference, I will refer to both incentives as "PPI," but note that for the test period, PPI refers to "Program Performance Incentive" and for the rate period, PPI refers to "Portfolio Performance Incentive."

Recycling				
Residential EE Benchmarking (also known as My Home Energy Report)	1	1	1	1
Residential New Construction	10	10	10	10
CFL Pilot	10	N/A	10	N/A
Solar Hot Water Pilot	10	N/A	10	N/A
Multi-Family Energy Efficiency	5	5	5	5
EE Education	5	5	5	5
CIG Energy Efficiency	10	3	10	3
Small Business Energy Saver	10	3	10	3
A&G	3	3	3	3

1 In addition to the aforementioned deferrals, DEP's proposed rates
2 include the recognition and amortization of prior period deferrals. In total, the
3 EMF-related calculations based on test period costs reflect an estimated
4 under-recovery of \$15,806,668. The DSM/EE rate calculations associated
5 with rate period estimates are based on a revenue requirement of
6 \$144,352,629. The rate period and EMF revenue requirements produce a
7 combined revenue requirement of \$160,159,297. Miller Direct Exhibit No. 1
8 details the calculation of these amounts.

9 **IV. EMF REVENUE REQUIREMENT**

10 **Q. HOW WAS THE DSM/EE EMF UNDER-RECOVERY OF \$15,806,668**
11 **DETERMINED?**

12 A. The EMF under-recovery is a function of the sum of test period costs,
13 including amounts relating to the amortization of deferred costs from prior
14 periods, and credits for actual and estimated DSM/EE rider revenues for the

1 period August 1, 2014, through December 31, 2014. The following table
 2 illustrates the relationship of these elements with respect to the determination
 3 of the DSM/EE EMF:

Rate Element	Amounts
Test Period Revenue Requirement	\$45,613,753
Net DSM/EE Rate Revenue	\$29,297,632
Plus: Other Adjustments	\$509,452
Total EMF Adjustments	\$29,807,084
Adjusted DSM/EE EMF Revenue Requirement	\$15,806,668

4 Miller Direct Exhibit Nos. 1 and 7 provide additional details
 5 associated with the development of these amounts.

6 **Q. PLEASE DESCRIBE THE \$509,452 THAT HAS BEEN**
 7 **CATEGORIZED AS “OTHER ADJUSTMENTS.”**

8 A. The \$509,452 in “Other Adjustments” is the sum of lines 2 through 13 found
 9 on Miller Direct Exhibit No. 7. Lines 2 and 3 of this exhibit are reserved for
 10 prospective uncollectible allowances in DEP’s DSM/EE rates. DEP is not
 11 requesting an uncollectible adjustment as a part of its cost recovery request in
 12 this proceeding. A true-up related to a correction of DSM and EE
 13 amortization is included on lines 4 and 5, respectively. In addition, the
 14 adjustments found on lines 6 through 11 reflect the true-up of PPIs for the
 15 2013 vintage associated with five of DEP’s DSM/EE programs. The last of
 16 these adjustments, found on line 12, recognizes estimated interest obligations
 17 for revenue over-collections during the period extending from August 1, 2014,
 18 through December 31, 2014. The Direct Testimony of Robert P. Evans
 19 provides further detail on program-specific impacts to PPI.

1 **V. RATE PERIOD REVENUE REQUIREMENT**

2 **Q. PLEASE DESCRIBE THE BASIS FOR THE RATE PERIOD**
3 **REVENUE REQUIREMENT.**

4 A. As indicated previously, the estimated revenue requirement for the rate period
5 is \$144,352,629. This amount reflects the anticipated costs and necessary
6 recoveries for the rate period, which extends from January 1, 2016, through
7 December 31, 2016. The \$144,352,629 revenue requirement includes: (1)
8 \$18,305,405 for anticipated rate period program expenses; (2) amortizations
9 and carrying costs associated with deferred prior period costs totaling
10 \$45,729,482; (3) recovery of Distribution System Demand Response
11 ("DSDR") depreciation and capital costs totaling \$22,250,642; (4) net lost
12 revenues for the rate period totaling \$39,637,452 for Vintage Years 2013,
13 2014, 2015, and 2016; and (5) PPI payments totaling \$18,429,648, associated
14 with Vintage Years 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016.

15 **VI. JURISDICTIONAL COST ALLOCATION**

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

18 A. DEP determines the total amount of recoverable costs and separates these
19 costs into three categories: (1) EE-related costs, (2) DSM-related costs, and
20 (3) costs that provide a system benefit in support of both EE and DSM
21 programs. For each of these categories, different allocation methods are
22 employed to assign those costs to the appropriate jurisdiction.

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

3 A. Administrative and general (“A&G”) costs provide a system benefit in support
4 of both EE and DSM programs and, therefore, are included in both categories.
5 The allocation of these costs into either the EE or DSM category is based
6 upon the percentage of each type of expenditure anticipated during the next
7 forecast calendar year. For example, if 30% of direct program costs in the
8 forecast period are EE-related, then 30% of the A&G costs will be considered
9 EE-related costs for allocation purposes. The use of a forecast period
10 recognizes the types of new programs DEP will offer in the immediate future
11 that will be supported by these administrative costs. The assignment of A&G
12 costs as either EE- or DSM-related is reviewed annually based upon
13 forecasted costs for the next calendar year. The A&G costs in this proceeding
14 have been assigned to these categories based upon forecasted DSM and EE
15 costs for 2016.

16 **Q. IN MILLER DIRECT EXHIBIT 1, THE DSDR PROGRAM IS**
17 **SEPARATED FROM THE OTHER DSM AND EE PROGRAMS. HOW**
18 **IS THE DSDR PROGRAM CLASSIFIED?**

19 A. The DSDR program has been classified by the Commission, for purposes of
20 ratemaking, as an EE program. Due to the scope and nature of DSDR, its
21 costs are being tracked separately. This separate tracking includes both direct
22 costs and A&G costs 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
4 costs, are allocated to the North Carolina retail jurisdiction based upon the
5 ratio of North Carolina retail sales to DEP system retail sales at the point of
6 generation. The allocation percentage is updated each May as part of the
7 annual cost of service study and is based on the prior calendar year data.

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

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

16 **VII. UTILITY INCENTIVES AND NET LOST REVENUES**

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

18 A. Program Performance Incentives for the test period are calculated pursuant to
19 the Agreement and Stipulation of Partial Settlement (“Agreement”) filed with
20 the Commission on December 9, 2008, in Docket No. E-2, Sub 931, and are
21 based on the savings achieved by DSM/EE programs as measured by the
22 Utility Cost Test (“UCT”). Under the terms of the Agreement and using the
23 UCT, the amount of the Program Performance Incentive initially to be

1 recovered for a given measurement unit and vintage year is eight percent of
2 the present value of the net benefits for DSM programs and measures and
3 thirteen percent for EE programs and measures. The Portfolio Performance
4 Incentive for the rate period is calculated pursuant to the Order Approving
5 Revised Mechanism, and is based on the savings achieved by the portfolio of
6 PPI-eligible DSM/EE programs. Under the terms of the Order Approving
7 Revised Mechanism, the amount of Portfolio Performance Incentive to be
8 recovered during the rate period is 11.75 percent of the net benefits produced
9 by the portfolio of PPI-eligible programs. Estimated net savings for all
10 periods are determined by multiplying the number of measurement units
11 projected to be installed for a specific program or measure in a vintage year by
12 the most current estimates of the annual per installation kilowatt (“kW”) and
13 kilowatt-hour (“kWh”) savings over the measurement unit’s life and by the
14 annual kW and kWh avoided costs. DEP then subtracts the estimated utility
15 costs over the measurement unit’s life related to the projected installations in
16 that vintage year and discounts the result to determine a net present value.

17 The PPI for each program vintage is converted into a stream of up to
18 ten levelized annual payments. DEP’s overall weighted average net-of-tax
19 rate of return approved in DEP’s most recent general rate case is used as the
20 appropriate discount rate. Pursuant to the Agreement and Order Approving
21 Revised Mechanism, PPI recoveries are subject to true-up on the basis of
22 future evaluation, measurement and verification (“EM&V”) results. PPI
23 calculations are based on calendar year vintages. The Program Performance

1 Incentive vintage assigned to the test period in this filing encompasses
2 calendar year 2014. These values will be trued-up on the basis of future
3 EM&V results. The estimated Portfolio Performance Incentive for the rate
4 period used in this filing is based on calendar year 2016 results and will be
5 trued-up as a part of DEP's 2017 DSM/EE cost recovery proceeding.

6 **Q. IS DEP REQUESTING PPI FOR ALL OF ITS PROGRAMS?**

7 A. No. The Company is not requesting PPI recovery for its Residential Low-
8 Income Program, Pilot Residential Solar Water Heating Program, or EE
9 Education Program. In addition, under the terms of the Agreement as well as
10 the Order Approving Revised Mechanism, DEP is not eligible for a PPI for its
11 DSDR program or for programs with a Total Resource Test ("TRC") of less
12 than 1.0.

13 **Q. HOW WERE NET LOST REVENUES DETERMINED?**

14 A. The Company determines net lost revenues, which are applicable to both
15 DSM and EE programs, by multiplying the estimated reduction in kWh sales
16 associated with a program or measure by a margin-based net lost revenue rate.
17 While subject to a few nuances such as variable operation and maintenance
18 ("O&M") costs, the following formula illustrates the basic components of the
19 net lost revenue calculations: Net Lost Revenues (\$) = Lost Sales (kWh) X
20 Net Lost Revenue Rate (\$/kWh)

21 Lost Sales are those sales that do not occur as a result of
22 implementation of DEP DSM/EE measures. These values are initially based
23 on engineering estimates and/or past impact evaluations. Future periods are

1 based on updated impact evaluations resulting from EM&V activities and are
2 applied prospectively and in conjunction with applicable net lost revenue true-
3 ups. The net lost revenue rate represents the difference between the average
4 retail rate applicable to the customer class impacted by the measure and the
5 sum of (1) the embedded regulatory fees, (2) the related average customer
6 charge component of that rate, (3) the average fuel component of the rate, and
7 (4) the incremental variable O&M rate as filed in DEP's last CSP tariff.
8 When multiple customer classes are impacted by a DSM/EE measures, as with
9 the DSDR program, a weighted or system-wide net lost revenue rate is
10 employed.

11 Pursuant to the Agreement and Order Approving Revised Mechanism,
12 DEP may only recover net lost revenues for up to 36 months of an installed
13 measure's life, and as with the PPI, recoveries are subject to true-up on the
14 basis on future EM&V results. Net lost revenues relating to measures
15 installed prior to January 1, 2013, are not recoverable as a part of this request
16 due to their presumed recognition in the increase in DEP's base rates as
17 approved in DEP's most recent general rate case in Docket No. E-2, Sub
18 1023.

19 **Q. IS DEP REQUESTING RECOVERY OF NET LOST REVENUES FOR**
20 **ALL OF ITS PROGRAMS?**

21 A. No. The Company is not requesting recovery of net lost revenues for its Pilot
22 Residential Solar Water Heating Program. In addition, at this time, DEP is

1 not requesting recovery of net lost revenues for its event-driven measures:
2 EnergyWise, Demand Response Automation, and DSDR.

3 **VIII. COST ALLOCATION METHODOLOGY**

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

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

13 Miller Direct Exhibit Nos. 5, 6, 8 and 9 demonstrate the manner in
14 which the costs associated with a specific program have been assigned to
15 customer groups.

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

18 A. Commercial customers with annual consumption of 1,000,000 kWh or greater
19 in the billing months of the prior calendar year, and all industrial customers
20 who implement or will implement alternative DSM/EE measures, may elect
21 not to participate in DEP’s DSM and EE programs. DEP reviewed its
22 customer records and identified that commercial and industrial customers

1 choosing to opt-out consumed 10,838,533,185 kWh during the year ended
2 December 31, 2014.

3 DEP developed rate class allocation factors based on the assumption
4 that customers that have elected to opt-out of the Company's DSM/EE rider
5 will remain opted out. If customers decide to change their opt-out status,
6 revenue gains or losses will be recognized in subsequent DSM/EE EMF
7 calculations.

8 Sales for the year ended December 31, 2014 for all customers electing
9 to opt-out of the DSM/EE rate are provided in Miller Direct Exhibit No. 2.

10 **Q. THE SALES FOR OPT-OUT CUSTOMERS ARE EASILY**
11 **IDENTIFIED, BUT HOW IS THE COINCIDENT PEAK OF THESE**
12 **CUSTOMERS ESTIMATED?**

13 A. Currently installed metering for a great number of opt-out customers does not
14 provide sufficient detail to determine their contribution to the system
15 coincident peak hour load. Instead, the impact is estimated based upon the
16 ratio of opt-out sales to total sales for the rate class multiplied by the rate class
17 peak demand. This approach should accurately approximate the demand of
18 opt-out accounts.

19 **Q. AFTER ADJUSTING ENERGY AND DEMAND FOR OPT-OUT**
20 **CUSTOMERS, HOW ARE THE RESULTING ALLOCATION**
21 **FACTORS THEN USED TO DETERMINE REVENUE**
22 **REQUIREMENTS FOR EACH RATE CLASS?**

1 A. Energy- and demand-based allocators are used in cases where programs or
2 measures directly benefit multiple rate groups. When a DSM or EE program
3 benefits multiple rate groups, DEP multiplies EE costs by rate class energy
4 allocation factors and multiplies any associated DSM costs by rate class
5 demand allocation factors for purposes of cost assignment.

6 Since usage for opt-out customers is not forecasted, the energy
7 allocation rate class factors were developed from the forecasted rate class
8 usage, after subtracting actual sales for opt-out customers for the year ended
9 December 31, 2014. Miller Direct Exhibit No. 3 provides the energy
10 allocation factors applicable to each rate class based upon the forecast of rate
11 class sales for the rate period of January 1, 2016, through December 31, 2016.

12 The demand allocation rate class factors are based on the summer
13 coincident peak demand for 2014, after subtracting the estimated demand for
14 opt-out customers as discussed above. The forecast does not provide rate
15 class coincident peak demands; therefore, the most recent historic data was
16 deemed to be representative of future demand impacts. Miller Direct Exhibit
17 No. 4 shows the demand allocation factors applicable to each rate class.

18 **Q. WHICH OF DEP'S PROGRAMS OR MEASURES BENEFIT**
19 **MULTIPLE CUSTOMER CLASSES?**

20 A. The Company's DSDR program benefits all customer classes. To allocate
21 DSDR costs, DEP employs rate class energy allocation factors. These
22 allocation procedures are elements of Miller Direct Exhibit Nos. 5 and 8. In
23 addition, DEP's Energy Efficient Lighting Program provides benefits to both

1 the residential and general service customer classes. These costs were
2 allocated on the basis of bulbs provided to those classes using EM&V results.

3 **Q. HOW DOES DEP DETERMINE RATE CLASS DSM/EE RATES?**

4 A. The calculated rate class EE and DSM revenue requirements are divided by
5 forecasted rate class sales, after adjustment for opt-out customers, to establish
6 the rate class DSM/EE rate. Miller Direct Exhibit No. 5 provides the
7 derivation of the EE rate. Miller Direct Exhibit No. 6 provides the derivation
8 of the DSM rate.

9 **Q. HOW DOES DEP DETERMINE RATES FOR THE DSM/EE EMF?**

10 A. As with DSM/EE rate determination, the calculated rate class EE and DSM
11 EMF revenue requirements, adjusted for cost recoveries, are divided by
12 forecasted rate class sales, after adjustment for opt-out customers, to establish
13 the rate class DSM/EE EMF rate. Miller Direct Exhibit No. 8 provides the
14 derivation of the EE EMF rate. Miller Direct Exhibit No. 9 provides the
15 derivation of the DSM EMF rate.

16 **IX. PROPOSED RATES**

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

18 A. Miller Direct Exhibit No. 10 is populated with the DSM/EE rates and EMF
19 rates proposed in this proceeding. The DSM/EE rates recover costs forecasted
20 to be incurred from January 1, 2016, through December 31, 2016. The
21 DSM/EE EMF is a true-up mechanism recognizing costs and recoveries for
22 the adjusted test period of August 1, 2014, through December 31, 2014. DEP

1 proposes the following rates, exclusive of North Carolina regulatory fees, for
2 each rate class:

Rate Class	DSM Rate (\$/kWh)	EE Rate (\$/kWh)	DSM EMF (\$/kWh)	EE EMF Rate (\$/kWh)	DSM/EE Annual Rider (\$/kWh)
Residential	.00086	.00474	.00006	.00055	.00621
General Service EE		.00494		.00058	.00552
General Service DSM	.00039		.00001		.00040
Lighting		.00109		.00006	.00115

3 **Q. WHAT ARE THE RATES INCLUDING NORTH CAROLINA**
4 **REGULATORY FEES?**

5 A. The following table reflects the proposed billing rates, including North
6 Carolina regulatory fees for each class:

Rate Class	DSM Rate (\$/kWh)	EE Rate (\$/kWh)	DSM EMF (\$/kWh)	EE EMF (\$/kWh)	Annual DSM/EE Rider (\$/kWh)
Residential	.00086	.00475	.00006	.00055	.00622
General Service EE		.00495		.00058	.00553
General Service DSM	.00039		.00001		.00040
Lighting		.00109		.00006	.00115

7 **Q. HOW WILL DEP REVISE ITS TARIFFS TO RECOVER THESE**
8 **RATES?**

9 A. The Company will update its Annual Billing Adjustment, Rider BA, to
10 recognize these rates, adjusted for the North Carolina regulatory fees.

1

X. CONCLUSION

2

Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?

3

A. Yes.

North Carolina Retail - DSM/EE Revenue Requirements Summary

E. Rate Period

December 2014 through November 2015

NC DSM Program Expenses

1	CIG DR	Per Forecast	3,017,798		-	3,017,798	1,005,933	-	747,230		-	-	1,753,163	-	1,543,361	3,296,525
2	EnergyWise	Per Forecast	10,658,914		-	10,658,914	1,065,891	-	5,448,231		-	-	6,514,122	-	4,040,152	10,554,274
3	Total DSM	Σ Lines 1 thru 2	13,676,712		-	13,676,712	2,071,824	-	6,195,461		-	-	8,267,285	-	5,583,514	13,850,799
4	DSM Assigned A&G and CCost	Per Forecast			755,354	755,354		251,785	495,323		2,055,434	907,748	3,710,290			3,710,290
5	Total DSM and Assigned Costs	Σ Lines 3 thru 4	13,676,712		755,354	14,432,066	2,071,824	251,785	6,690,784		2,055,434	907,748	11,977,575	-	5,583,514	17,561,089

NC EE Program Expenses

6	Res Home Advantage	Per Forecast	-		-	-	-	415,195		-	-	-	415,195		176,476	591,671
7	Res Home Energy Improvem't	Per Forecast	2,565,304		-	2,565,304	256,530	-	3,099,352		-	-	3,355,882	451,389	366,913	4,174,185
8	Residential Low Income	Per Forecast	1,447,025		-	1,447,025	144,703	-	982,786		-	-	1,127,489	262,513		1,390,002
9	Solar Hot Water Pilot	Per Forecast	-		-	-	-	-	39,343		-	-	39,343			39,343
10	Lighting (Res)*	Per Forecast (allocated)	7,387,712		-	7,387,712	1,477,542	-	7,133,804		-	-	8,611,346	13,398,666	4,008,152	26,018,164
11	Res Appliance Recycling	Per Forecast	886,483		-	886,483	88,648	-	608,279		-	-	696,927	656,219	161,247	1,514,392
12	My Home Energy Report*	Per Forecast	5,242,423		-	5,242,423	5,242,423	-	-		-	-	5,242,423	5,649,333	328,115	11,219,871
13	Residential New Construction	Per Forecast	10,752,325		-	10,752,325	1,075,233	-	1,363,781		-	-	2,439,014	883,790	195,146	3,517,950
14	Multi-Family Energy Efficiency	Per Forecast	1,637,074		-	1,637,074	327,415	-	314,561		-	-	641,976	921,779	77,927	1,641,682
15	EE Education	Per Forecast	788,734		-	788,734	157,747	-	108,144		-	-	265,891	153,949		419,840
16	Home Depot CFL	Per Forecast	-		-	-	-	-	34,012		-	-	34,012	-	-	34,012
17	Subtotal-Residential	Σ Lines 6 thru 16	30,707,080		-	30,707,080	8,770,241	-	14,099,257		-	-	22,869,498	22,377,638	5,313,976	50,561,112
18	CIG Energy Efficiency	Per Forecast	6,738,859		-	6,738,859	2,246,286	-	4,097,002		-	-	6,343,288	7,656,350	5,290,261	19,289,898
19	Lighting (General Service)*	Per Forecast (allocated)	897,263		-	897,263	179,453	-	854,549		-	-	1,034,002	5,193,680	864,700	7,092,382
20	Small Business Energy Saver	Per Forecast	8,239,285		-	8,239,285	2,746,428	-	1,834,767		-	-	4,581,195	4,409,785	1,377,197	10,368,177
	Subtotal-General Service	Σ Lines 18 thru 20	15,875,407		-	15,875,407	5,172,167	-	6,786,318		-	-	11,958,485	17,259,814	7,532,157	36,750,457

21	Total of EE Programs	Σ Lines 6 thru 16	46,582,487		-	46,582,487	13,942,408	-	20,885,575		-	-	34,827,983	39,637,452	12,846,134	87,311,569
22	EE Assigned A&G and CCost	Per Forecast			2,323,635	2,323,635		774,545	1,594,045		5,676,773	2,507,050	10,552,413			10,552,413
23	Total EE and Assigned Costs	Lines 21 + 22	46,582,487		2,323,635	48,906,122	13,942,408	774,545	22,479,620		5,676,773	2,507,050	45,380,396	39,637,452	12,846,134	97,863,982

NC DSDR Program Expenses

24	DSDR Program	Per Forecast	5,672,026	832,410		6,504,436	650,444	-	3,764,881	7,426,829	3,279,933	614,399	11,543,880		27,280,366	-	-	27,280,366	
25	DSDR Assigned A&G and CCost	Per Forecast			-	-		-	-				1,142,588	504,604		1,647,192			
26	Total DSDR and Assigned Costs	Σ Lines 24 thru 25	5,672,026	832,410	-	6,504,436	650,444	-	3,764,881	7,426,829	3,279,933	614,399	11,543,880	1,142,588	504,604	28,927,558	-	-	28,927,558

27	Rate Period Totals	Lines 5 + 23 + 26	65,931,225	832,410	3,078,989	69,842,624	16,664,676	1,026,330	32,935,285	7,426,829	3,279,933	614,399	11,543,880	8,874,795	3,919,402	86,285,529	39,637,452	18,429,648	144,352,629
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*All Non-Residential programs are amortized over a 3 year period. The Residential Lighting Program is recoverable over a 5 year period. My Home Energy Report is recoverable over a 1 year period. All other Residential EE programs are recoverable over 10 years.

DUKE ENERGY PROGRESS, INC.
Annual Sales for NC Customers Opting-Out for DSM/EE Rate¹
Annual Sales for the Year Ended December 31, 2014

Rate Class	Opt-Out KWHs
Residential	-
General Service	10,823,697,100
Lighting	14,836,085
Total Opt-Out Sales	10,838,533,185

¹ Actual Opt-Out volumes for the twelve-months ending December 31, 2014.

DUKE ENERGY PROGRESS, INC.

Energy Allocation Factors - Applicable to EE Program Costs

North Carolina Rate Class Energy Allocation Factors

Rate Class	Total NC Rate Class Sales (MWhrs) ⁽¹⁾	Opt-Out Sales ⁽²⁾	Adjusted NC Rate Class MWhr Sales	Rate Class Energy Allocation Factor
	(1)	(2)	(3) = (1) - (2)	(4) = (3) / NC Total in Column 3
Residential	15,715,976	-	15,715,976	58.945%
General Service	21,290,713	10,823,697	10,467,016	39.258%
Lighting	493,975	14,836	479,139	1.797%
NC Retail	37,500,664	10,838,533	26,662,131	100.000%

NOTES:

- (1) Total NC Rate Class Sales (MWhrs) are for the forecasted year ending December 2016.
 (2) Opt-Out sales are provided in Miller Direct 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 ⁽¹⁾ (1)	Sales Subject to Opt-Out ⁽²⁾ (2)	Rate Class Demand ⁽³⁾ (3)	Revised Rate Class Demand (4) = ((1 - 2) / 1) * 3	Rate Class Allocation Factor (5) = (4)/Total of Column 4
Residential	15,715,976	-	3,243,770	3,243,770	61.931%
General Service	21,290,713	10,823,697	4,055,813	1,993,933	38.069%
Lighting	493,975	14,836	0	0	0.000%
NC Retail	37,500,664	10,838,533	7,299,582	5,237,703	100.000%

NOTES:

- (1) Total NC Rate Class Sales (MWHrs) are for the forecasted year ended December 2016.
- (2) Opt-Out sales are provided in Miller Direct 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.
- (3) The Coincident Peak ("CP") demands are based on the 2014 CP occurring on September 2 during the hour ended at 1500 EDT.

DUKE ENERGY PROGRESS, INC.

Energy Efficiency Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales ⁽¹⁾	Rate Class Energy Allocation Factor ⁽²⁾	EE Revenue Requirements						
			Residential Programs ⁽³⁾	CIG Programs ⁽⁴⁾	DSDR ⁽⁵⁾	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾	DSDR Allocated A&G and Carrying Costs ⁽⁷⁾	Total of Allocated Costs (8) = Σ (3 thru 7)	Total EE Rate (9) = (8) / (1)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	15,715,975,740	58.94%	\$ 50,561,112	\$ -	\$ 16,080,394	\$ 6,929,152	\$ 970,936	\$ 74,541,595	\$0.004743
General Service	10,467,016,100	39.26%	\$ -	\$ 36,750,457	\$ 10,709,723	\$ 3,623,261	\$ 646,654	\$ 51,730,095	\$0.004942
Lighting	479,138,946	1.80%	\$ -	\$ -	\$ 490,249	\$ -	\$ 29,601	\$ 519,850	\$0.001085
NC Retail	26,662,130,785	100%	\$ 50,561,112	\$ 36,750,457	\$ 27,280,366	\$ 10,552,413	\$ 1,647,192	\$ 126,791,540	\$0.004755

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Direct Exhibit No. 3, column (3).
(2) Rate Class Energy Allocation Factor is derived in Miller Direct Exhibit No. 3, column (4).
(3) Residential Program costs are allocated solely to the Residential Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(4) CIG EE, Lighting, and Small Business Energy Saver costs are allocated solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(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 the Rate Class Energy Allocation Factor from column (2).

DUKE ENERGY PROGRESS, INC.
Demand Side Management Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	DSM Revenue Requirements					
			EnergyWise Program Costs ⁽³⁾	CIG DR Program ⁽⁴⁾	Allocated A&G Costs ⁽⁵⁾	Allocated Carrying Costs ⁽⁵⁾	Total of Allocated Costs	Total DSM Rate
	(1)	(2)	(3)	(4)	(5)	(6)	(7) = Σ (3 thru 6)	(8) = (7) / (1)
Residential	15,715,975,740	61.93%	\$10,554,274	\$ -	\$ 588,676	\$ 2,334,809	\$ 13,477,759	\$0.000858
General Service	10,467,016,100	38.07%	\$ -	\$ 3,296,525	\$ 158,432	\$ 628,373	\$ 4,083,330	\$0.000390
Lighting	479,138,946	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.000000
NC Retail	26,662,130,785	100.00%	\$10,554,274	\$ 3,296,525	\$ 747,108	\$ 2,963,182	\$ 17,561,089	\$0.000659

NOTES:

(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Direct Exhibit No. 3, column (3).

(2) Rate Class Demand Allocation Factor is derived in Miller Direct 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 1/20/15.

(4) CIG DR Program costs are directly assigned solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.

(5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives).

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 ¹ <i>Amounts from Schedule WP R-2</i>	\$ 3,541,152	\$ 6,423,744	\$ 8,785,793	\$ 18,750,688	\$ 409,979	\$ 4,636,195	\$ 5,319,382	\$ 10,365,556	\$ -	\$ 181,388	\$ -	\$ 181,388	\$ 3,951,131	\$ 11,241,327	\$ 14,105,175	\$ 29,297,632
2	Less: Uncollectible Allowance in Rates ² <i>Amounts from WP B-9</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Over or (Under) collection of Uncollectibles ³ <i>Amounts from WP B-6</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	Overcollection of DSM A&G Amortization ⁴ <i>Amounts from E-2 Sub 1044</i>	166,758			166,758	77,544			77,544				-	244,302	-	-	244,302
5	Overcollection of EE A&G Amortization ⁵ <i>Amountns from E-2 Sub 1044</i>			283,353	283,353			164,970	164,970			7,207	7,207	-	-	455,530	455,530
6	Undercollection of CIG EE PPI ⁶ <i>Amounts from WP D-5B</i>				-			(89,938)	(89,938)			-	-	-	-	(89,938)	(89,938)
7	Undercollection of Small Business DI PPI ⁷ <i>Amounts from WP D-5B</i>				-			(143,131)	(143,131)			-	-	-	-	(143,131)	(143,131)
8	Undercollection of Residential Benchmarking PPI ⁸ <i>Amounts from WP D-5B</i>			(1,113)	(1,113)				-			-	-	-	-	(1,113)	(1,113)
9	Overcollection of Appliance Recycling PPI ⁹ <i>Amounts from WP D-5B</i>			8,172	8,172				-			-	-	-	-	8,172	8,172
10	Undercollection of Lighting Program Gen Svc PPI ¹⁰ <i>Amounts from WP D-5B</i>				-			(14,945)	(14,945)			-	-	-	-	(14,945)	(14,945)
11	Overcollection of Lighting Program Residential PPI ¹¹ <i>Amounts from WP D-5B</i>			50,575	50,575			-	-			-	-	-	-	50,575	50,575
12	Interest on Overcollections ¹² <i>Amounts from WP B-10</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Net Adjustments to DSM/EE EMF Clause <i>Σ Lines 1 through 12</i>	\$ 3,707,910	\$ 6,423,744	\$ 9,126,779	\$ 19,258,433	\$ 487,523	\$ 4,636,195	\$ 5,236,339	\$ 10,360,056	\$ -	\$ 181,388	\$ 7,207	\$ 188,595	\$ 4,195,433	\$ 11,241,327	\$ 14,370,325	\$ 29,807,084
		<i>To Exhibit 9</i>	\$15,550,523 <i>To Exhibit 8</i>			<i>To Exhibit 9</i>	\$9,872,533 <i>To Exhibit 8</i>			<i>To Exhibit 8</i>			<i>To Exhibit 8</i>	<i>To Exhibit 9</i>	\$25,611,652 <i>To Exhibit 8</i>		

¹ Actual DSM/EE Rate billings for test period (*August 2014 through December 2014*).

² The Company is not requesting an adjustment for uncollectibles in this proceeding.

³ The Company is not requesting an adjustment for uncollectibles in this proceeding.

⁴ Reflects correction of DSM A&G Amortization costs submitted in Rider E-2 Sub 1044

⁵ Reflects correction of EE A&G Amortization costs submitted in Rider E-2 Sub 1044

⁶ Reflects Vintage 2013 CIG EE Program PPI true-up.

⁷ Reflects Vintage 2013 Small Business Direct Install PPI true-up.

⁸ Reflects Vintage 2013 Residential Benchmarking PPI true-up

⁹ Reflects Vintage 2013 Appliance Recycling PPI true-up.

¹⁰ Reflects Vintage 2013 Lighting Program Gen Svc PPI true-up

¹¹ Reflects Vintage 2013 Lighting Program Residential PPI true-up

¹² Calculated interest obligation associated with test period (*August 1, 2014 through December 31, 2014*).

DUKE ENERGY PROGRESS, INC.

Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales ⁽¹⁾ (1)	Rate Class Energy Allocation Factor ⁽²⁾ (2)	EE EMF Revenue Requirement								
			Residential Programs ⁽³⁾ (3)	CIG Programs ⁽⁴⁾ (4)	DSDR ⁽⁵⁾ (5)	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾ (6)	DSDR Allocated A&G and Carrying Costs ⁽⁵⁾ (7)	Total of Allocated Costs (8) = Σ (3 thru 7)	Less: Prior Period EE Rate Adjustment ⁽⁷⁾ (9)	Adjusted EE EMF Revenue Requirement (10)=(8)-(9)	Total EE EMF Rate (11) = (10) / (1)
Residential	15,715,975,740	58.94%	\$ 14,745,315	\$0	\$ 6,706,515	\$ 2,384,996	\$ 356,050	\$ 24,192,876	\$ 15,550,523	\$ 8,642,353	\$0.000550
General Service	10,467,016,100	39.26%	\$0	\$ 10,170,057	\$ 4,466,614	\$ 1,072,679	\$ 237,133	\$ 15,946,484	\$ 9,872,533	\$ 6,073,951	\$0.000580
Lighting	479,138,946	1.80%	\$0	\$0	\$ 204,464	\$ -	\$ 10,855	\$ 215,319	\$ 188,595	\$ 26,724	\$0.000056
NC Retail	26,662,130,785	100.00%	\$ 14,745,315	\$ 10,170,057	\$ 11,377,594	\$ 3,457,675	\$ 604,038	\$ 40,354,679	\$ 25,611,652	\$14,743,027	\$0.000553

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Direct Exhibit No. 3, column (3).
- (2) Rate Class Energy Allocation Factor is derived in Miller Direct Exhibit No. 3,column (4).
- (3) Residential Program costs are allocated solely to the Residential rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) CIG Energy EE, Lighting, and Small Business Direct Energy Saver costs are allocated solely to the General Service rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (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 Miller Direct Exhibit No. 7.

DUKE ENERGY PROGRESS, INC.

Demand Side Management Experience Modification Factor Rate Derivation

			DSM EMF Revenue Requirement							
	Adjusted NC Rate Class kWhr Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	EnergyWise Program Costs ⁽³⁾	CIG DR Program ⁽⁴⁾	Allocated A&G Costs ⁽⁵⁾	Allocated Carrying Costs ⁽⁵⁾	Total of Allocated Costs (7) = Σ (3 thru 6)	Less: Prior Period DSM Rate Adjustment ⁽⁶⁾	Adjusted DSM EMF Revenue Requirement (9)=(7)-(8)	Total DSM EMF Rate (10) = (9) / (1)
NC Rate Class	(1)	(2)	(3)	(4)	(5)	(6)	(7) = Σ (3 thru 6)	(8)	(9)=(7)-(8)	(10) = (9) / (1)
Residential	15,715,975,740	61.93%	\$ 3,590,424	\$ -	\$ 262,120	\$ 864,754	\$ 4,717,298	\$ 3,707,910	\$ 1,009,388	\$0.000064
General Service	10,467,016,100	38.07%	\$ -	\$ 380,737	\$ 37,459	\$ 123,580	\$ 541,776	\$ 487,523	\$ 54,253	\$0.000005
Lighting	479,138,946	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.000000
NC Retail	26,662,130,785	100%	\$ 3,590,424	\$ 380,737	\$ 299,579	\$ 988,334	\$ 5,259,074	\$ 4,195,433	\$ 1,063,641	\$0.000040

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Millerl Direct Exhibit No. 3, column (3).
- (2) Rate Class Demand Allocation Factor is derived in Miller Direct 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 1/20/15.
- (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 1/20/15.
- (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 Miller Direct Exhibit No. 7.

DUKE ENERGY PROGRESS, INC.

DSM/EE Annual Rate & EMF - January 2016 through December 2016

All rates are shown in dollars per kWh

DSM/EE Adjustment Rate							
NC Rate Class	EE Rate (1)	DSM Rate (2)	DSM/EE Rate (3)	Reg Fee (4)	DSM/EE Rate w/ Gross-up (5)	Uncollectibles Adjustment (6)	DSM/EE Billing Rate (7)
Residential	\$ 0.004743	\$ 0.000858	\$ 0.00560	\$ 0.00001	\$ 0.00561	NA	\$ 0.00561
General Service (EE only)	\$ 0.004942		0.00494	0.00001	0.00495	NA	0.00495
General Service (DSM only)		0.000390	0.00039	-	0.00039	NA	0.00039
Lighting (EE only)	0.001085	-	0.00109	-	0.00109	NA	0.00109
NC Retail	\$ 0.004755	\$ 0.00068	\$ 0.00541	\$ 0.00001	\$ 0.00542	NA	\$ 0.00542
DSM/EE Experience Modification Factor (EMF)							
NC Rate Class	EE EMF Rate (8)	DSM EMF Rate (9)	DSM/EE EMF Rate (10)	Reg Fee (11)	DSM/EE EMF w/ Gross-up (12)	Uncollectibles Adjustment (13)	DSM/EE EMF Billing Rate (14)
Residential	\$ 0.000550	\$ 0.000064	\$ 0.00061	\$ -	\$ 0.00061	NA	\$ 0.00061
General Service (EE only)	\$ 0.000580		0.00058	-	0.00058	NA	0.00058
General Service (DSM only)		0.000005	0.00001	-	0.00001	NA	0.00001
Lighting (EE only)	0.000056	-	0.00006	-	0.00006	NA	0.00006
NC Retail	\$ 0.000553	\$ 0.000040	\$ 0.00036	\$ -	\$ 0.00036	NA	\$ 0.00036
Total Rate (DSM/EE Adjustment Rate and DSM/EE Experience Modification Factor)							
NC Rate Class	EE/DSM Billing Rate (15) = (7)	EE/DSM EMF Billing Rate (16) = (14)		Total Billing Rate (17) = (15) + (16)			
Residential	\$ 0.00561	\$ 0.00061		\$ 0.00622			
General Service (EE only)	\$ 0.00495	\$ 0.00058		\$ 0.00553			
General Service (DSM only)	0.00039	0.00001		0.00040			
Lighting (EE only)	0.00109	0.00006		0.00115			
NC Retail	\$ 0.00542	\$ 0.00036		\$ 0.00578			

NOTES: (Referenced by Column Number)

- (1) Total EE Rate is derived in Miller Direct Exhibit No. 5, column (9).
- (2) Total DSM Rate is derived in Miller Direct Exhibit No. 6, column (8).
- (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 0.135% 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 Miller Direct Exhibit No. 8, column (11).
- (9) Total DSM EMF is derived in Miller Direct 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 rate of .135% 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.

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1070

In the Matter of)
Application of Duke Energy Progress, Inc.)
for Approval of Demand-Side Management)
and Energy Efficiency Cost Recovery Rider)
Pursuant to N.C. Gen. Stat. § 62-133.9 and)
Commission Rule R8-69)

DIRECT TESTIMONY OF
ROBERT P. EVANS
FOR
DUKE ENERGY PROGRESS,
INC.

OFFICIAL COPY

JUN 17 2015

1 **I. INTRODUCTION AND PURPOSE**

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

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

9 **Q. PLEASE BRIEFLY STATE YOUR EDUCATIONAL BACKGROUND**
10 **AND EXPERIENCE.**

11 A. I graduated from Iowa State University (“ISU”) in 1978 with a Bachelor of
12 Science Degree in Industrial Administration and a minor in Industrial
13 Engineering. As a part of my undergraduate work, I participated in both the
14 graduate level Regulatory Studies Programs sponsored by American Telephone
15 and Telegraph Corporation and graduate level study programs in Engineering
16 Economics. Subsequent to my graduation from ISU, I received additional
17 Engineering Economics training at the Colorado School of Mines, completed
18 the National Association of Regulatory Utility Commissioners’ Regulatory
19 Studies program at Michigan State University, and completed the Advanced
20 AGA Ratemaking program at the University of Maryland. Upon graduation
21 from ISU, I joined the Iowa State Commerce Commission (now known as the
22 Iowa Utility Board (“IUB”)) in the Rates and Tariffs Section of the Utilities
23 Division. During my tenure with the IUB, I held several positions, including
24 Senior Rate Analyst in charge of Utility Rates and Tariffs and Assistant

1 Director of the Utility Division. In those positions, I provided testimony in gas,
2 electric, water and telecommunications proceedings as an expert witness in the
3 areas of rate design, service rules, and tariff applications. In 1982, I accepted
4 employment with City Utilities of Springfield, Missouri, as an Operations
5 Analyst. In that capacity, I provided support for rate-related matters associated
6 with the municipal utility's gas, electric, water and sewer operations. In
7 addition, I worked closely with its load management and energy conservation
8 programs. In 1983, I joined the Rate Services staff of the Iowa Power and Light
9 Company, now known as MidAmerican Energy, as a Rate Engineer. In this
10 position, I was responsible for the preparation of rate-related filings and
11 presented testimony on rate design, service rules, and accounting issues before
12 the IUB. In 1986, I accepted employment with Tennessee-Virginia Energy
13 Corporation (now known as the United Cities Division of ATMOS Energy) as
14 Director of Rates and Regulatory Affairs. While in this position, I was
15 responsible for regulatory filings, regulatory relations, and customer billing. In
16 1987, I went to work for the Virginia State Corporation Commission in the
17 Division of Energy Regulation as a Utilities Specialist. In this capacity, I
18 worked on electric and natural gas issues and provided testimony on cost of
19 service and rate design matters brought before that regulatory body. In 1988, I
20 joined North Carolina Natural Gas Corporation ("NCNG") as its Manager of
21 Rates and Budgets. Subsequently, I was promoted to Director-Statistical
22 Services in its Planning and Regulatory Compliance Department. In that
23 position, I performed a variety of work associated with financial, regulatory,
24 and statistical analysis and presented testimony on several issues brought before

1 the North Carolina Utilities Commission (“Commission”). I held that position
2 until the closing of NCNG’s merger with Carolina Power and Light Company,
3 the predecessor of Progress Energy, Inc. (“Progress”), on July 15, 1999.

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

12 **Q. HAVE YOU PREVIOUSLY PROVIDED TESTIMONY IN MATTERS**
13 **BROUGHT BEFORE THIS COMMISSION?**

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

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

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

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

21 A. The purpose of my testimony is to explain and support portions of DEP’s
22 proposed DSM/EE cost recovery rider and Experience Modification Factor
23 (“EMF”) and to provide information required by Commission Rule R8-69 in

1 addition to information specifically requested by the Commission and Public
2 Staff.

3 **Q. PLEASE DESCRIBE THE EXHIBITS ATTACHED TO YOUR**
4 **TESTIMONY.**

5 A. Two exhibits accompany my Direct Testimony in this proceeding. Evans Direct
6 Exhibit No. 1 is the Duke Energy Progress Program/Measure Suggestion
7 Template and Evans Direct Exhibit No. 2 provides the results of the DEP's
8 2014 Total Resource Cost ("TRC") effectiveness tests. Both of these exhibits
9 are described later in my testimony. In addition to the two exhibits contained in
10 my Direct Testimony, I am sponsoring DEP Exhibit No 1, which contains the
11 information required by Commission Rule R8-69.

12 **II. INFORMATION REQUESTED BY THE COMMISSION**
13 **AND PUBLIC STAFF**

14 **Q. PLEASE DESCRIBE THE ACTIONS THE COMMISSION ORDERED**
15 **DEP TO TAKE IN ITS ORDER APPROVING DEP'S 2014 DSM/EE**
16 **COST RECOVERY RIDER.**

17 A. In its November 25, 2014 Order Approving DSM/EE Rider in Docket No. E-2,
18 Sub 1044, the Commission ordered the Company to: (1) report the results and
19 any conclusions or recommendations regarding Collaborative discussions
20 pertaining to opt-out surveys, program modifications recommended by Southern
21 Alliance for Clean Energy ("SACE"), and peak notifications; (2) discuss issues
22 raised in SACE witness Taylor Allred's testimony in the DEP Collaborative
23 with the results of such discussions to be included in the Company's testimony
24 in the next rider proceeding; (3) monitor the changes in annual ratios of

1 allocations between Distribution System Demand Response (“DSDR”) and non-
2 DSDR equipment and report the degree of change in its annual DSM/EE rider
3 filing; and (4) incorporate the recommendations of Public Staff witness Jack
4 Floyd regarding future Evaluation, Measurement and Verification (“EM&V”)
5 reports relating to DEP’s lighting measures, spillover savings, and the
6 Company’s Residential EE Benchmarking (“REEB”) program.

7 **Q. AS A PART OF ITS COLLABORATIVE, DID DEP DISCUSS OPT-OUT**
8 **SURVEYS?**

9 A. The subject of opt-out surveys was briefly discussed in DEP’s Third Quarter
10 Collaborative which met on September 25, 2014, after having been discussed in
11 depth at a forum earlier that year. In particular, on January 24, 2014, Duke
12 Energy Carolinas, LLC (“DEC”) convened a meeting of interested stakeholders,
13 in which DEP participated, to explore and develop a consensus position
14 regarding the merits of conducting a study or survey of opted-out customers,
15 and if deemed to be a prudent endeavor, the parameters of such a study. A
16 number of stakeholders, including SACE, stated that they believed a survey or
17 study of opted-out customers would have merit because it would allow better
18 insight into what customers that opted out were doing on their own with respect
19 to EE, as well as creating greater clarity around customers’ rationale for electing
20 to opt out rather than participating in offered programs. With this information
21 that they believe would be obtained through the study or survey, they contended
22 that DEC would be able to better reflect the impacts of EE in the Integrated
23 Resource Planning process, as well as potentially improve offered EE and DSM
24 programs. A number of parties that were representing opt-out eligible

1 customers, including, but not limited to, Carolina Industrial Group for Fair
2 Utility Rates II, Carolina Utility Customers Association, Inc., and Walmart,
3 stated their opposition to the need or merit of conducting such a study. Most
4 notably, they pointed to the fact that such a study or survey would be
5 inconsistent with the requirements in Senate Bill 3 and could unnecessarily
6 expose customers to the risk of disclosing confidential and proprietary
7 competitive information. These parties, as well as representatives of DEC's
8 Large Account Management Group, stated that many opt-out eligible customers
9 regularly discuss the economics of investing in EE and participating in offered
10 EE and DSM programs, but that they would not want to share this information
11 publicly due to its potential to cause competitive harm if disclosed. After
12 considering all of the discussion related to the merits of conducting a survey or
13 study of opted out customers occurred, DEC took a poll to determine if there
14 was a consensus as to the merits of conducting a study or survey. The results of
15 the poll indicated that there was not a consensus among the parties, as some
16 parties believed the study was warranted and others, including the non-
17 residential customer representation, the South Carolina Office of Regulatory
18 Staff, and Public Staff, did not believe that there was enough merit to justify
19 conducting such a survey. Since there was not a consensus, DEC and DEP did
20 not continue down the path of discussing feasibility and the parameters of the
21 study.

22 **Q. HAS DEP TAKEN ANY ACTION TO INCREASE THE**
23 **PARTICIPATION OF OPT-OUT ELIGIBLE CUSTOMERS IN ITS**
24 **DSM/EE PROGRAMS?**

1 A. Yes. The Company's new DSM/EE cost recovery mechanism, recently
2 approved by the Commission in Docket No. E-2, Sub 931, lessens some of the
3 existing participation impediments. Effective on January 1, 2016, the required
4 opt-in period for opt-out eligible customers initially participating in a DEP
5 DSM/EE program decreases from ten to three years. In addition to the change
6 in the required opt-in period, the DSM/EE rates have been bifurcated into DSM
7 and EE components. As a result, customers participating in an EE program will
8 only be required to pay the EE portion of the rider and customers participating
9 in a DSM program will only be required to pay the DSM portion of the rider.
10 The Company anticipates that these changes will lead to greater program
11 participation by opt-out eligible customers.

12 **Q. WERE THE ISSUES RAISED IN WITNESS ALLRED'S TESTIMONY**
13 **DISCUSSED IN THE DEP COLLABORATIVE?**

14 A. Yes. During the September 25, 2014 Collaborative, Mr. Allred presented
15 potential programs and program measures that were discussed in his pre-filed
16 testimony in Docket No. E-2, Sub 1044. Mr. Allred presented several potential
17 DSM/EE offerings employed around the United States. While the Collaborative
18 determined that some of the offerings were already contained in DEP's existing
19 DSM/EE portfolio, it was the consensus of the Collaborative that SACE's
20 program proposal did warrant further discussion in future Collaborative
21 meetings.

22 As a part of the both the March 4, 2015 and May 27, 2015 Collaborative
23 meetings, DEP introduced a Program/Measure Suggestion Template for use by
24 Collaborative members. Evans Direct Exhibit No. 1 supplies this template. The

1 information requested on the template will assist DEP in its evaluation of
2 current and prospective Collaborative proposals.

3 Discussions relating to the possibility of peak notifications to customers
4 will be held in the Third Quarter Collaborative. This Collaborative meeting will
5 include individuals familiar with related NERC rules and regulations.

6 **Q. HAS DEP MONITORED THE CHANGES IN ANNUAL RATIOS OF**
7 **ALLOCATIONS BETWEEN NON-DSDR AND DSDR EQUIPMENT?**

8 A. The Company has adopted the following annual calendar in which it analyzes
9 and develops non-DSDR and DSDR equipment allocations:

10 July – Obtain the updated asset totals through June 30.

11 July – Review updated asset totals to determine if percentages updates
12 are necessary.

13 August – Discuss/communicate any updates deemed necessary.

14 September – Implement updates.

15 As a result of this schedule, the first non-DSDR and DSDR equipment
16 allocation factor update will occur in September of 2015. The Company will
17 report changes to the Commission in subsequent proceedings.

18 **Q. HAS DEP ADOPTED PUBLIC STAFF WITNESS FLOYD'S**
19 **RECOMMENDATIONS REGARDING FUTURE EM&V REPORTS**
20 **RELATING TO DEP'S LIGHTING MEASURES, SPILLOVER**
21 **SAVINGS, AND ITS REEB PROGRAM?**

22 A. Yes, DEP has adopted witness Floyd's recommendations.

23 **Q. CAN YOU PROVIDE THE GENERAL EDUCATION AND**
24 **AWARENESS ("GEA") RELATED INFORMATION REQUESTED BY**

1 **THE PUBLIC STAFF AND PREVIOUSLY REQUESTED BY THIS**
2 **COMMISSION?**

3 A. Yes. The Company's GEA tool, the Custom Home Energy Report ("CHER"),
4 was discontinued as it was no longer deemed necessary after the approval and
5 wide-scale introduction of the My Home Energy Report ("MyHER") EE
6 Program. With the elimination of CHER, GEA related costs are now program
7 specific. As a result, there are presently no unassigned GEA costs.

8 **Q. CAN YOU PROVIDE THE PREVIOUSLY REQUESTED PORTFOLIO-**
9 **TRC TEST THAT INCLUDES ADMINISTRATIVE AND GENERAL**
10 **("A&G") EXPENDITURES?**

11 A. Yes. Evans Direct Exhibit No. 2 provides the requested portfolio-level TRC
12 test results, based on calendar 2014. The portfolio-level TRC test result
13 provides a 3.9 cost benefit ratio. The portfolio-level TRC test, including the
14 recognition of A&G expenditures, results in a 3.6 cost benefit ratio.

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

16 A. Yes. The estimated 2014 Vintage TRC for the Home Energy Improvement
17 Program is 0.8, and as such, it did not pass the TRC test.

18 **III. DSDR NET LOST REVENUE RECOVERIES**

19 **Q. HAS DEP REQUESTED THE RECOVERY OF NET LOST REVENUE**
20 **("NLR") IN THIS PROCEEDING ASSOCIATED WITH ITS DSDR**
21 **PROGRAM?**

22 A. No. Although DEP is eligible for DSDR-related NLR recovery, it is not
23 requesting NLR recovery in this proceeding.

1 **Q. WHY IS DEP ELECTING NOT TO REQUEST NLR IN THIS**
2 **PROCEEDING?**

3 A. Although DEP continues its analysis of energy savings impacts related to
4 activations and operations of the DSDR system challenges exist at this time in
5 determining NLR associated with the activation process of the DSDR program.
6 Until these challenges are resolved, DEP does not intend to seek DSDR NLR.

7 **Q. DO THESE CHALLENGES IN DETERMINING THE ENERGY**
8 **SAVINGS IMPACTS ASSOCIATED WITH THE ACTIVATION**
9 **PROCESS OF DSDR CAUSE CONCERN REGARDING THE OVERALL**
10 **EFFECTIVENESS OF THE PROGRAM?**

11 A. No. Although DEP anticipated energy savings associated with the activations
12 of DSDR, the overwhelming majority of the benefits were projected to be and
13 are being realized through the reduction in peak capacity that occurs from this
14 event-driven EE program.

15 **Q. IS DEP FORGOING THE INCLUSION OF ENERGY IMPACTS**
16 **ASSOCIATED WITH THE ACTIVATION PROCESS OF DSDR IN THE**
17 **CALCULATION OF NLR IN BOTH THE TEST AND RATE PERIODS?**

18 A. The Company is only forgoing the recognition of NLR from the DSDR from the
19 program in-service date of June 1, 2014, through the end of the test period on
20 December 31, 2014. The Company does not forecast NLR values for event
21 driven programs, such as DSDR, so there are no impacts reflected in the Rate
22 Period.

23 **Q. WILL DEP SEEK THE RECOVERY OF 2014 RELATED NLR FOR**
24 **DSDR IN A LATER DSM/EE COST RECOVERY PROCEEDING?**

1 A. No. The Company will limit any future DSDR NLR recovery requests to the
2 remainder of the 36-month period extending from January 1, 2015 through May
3 31, 2017.

4 **IV. FOUND REVENUES**

5 **Q. HAS DEP QUANTIFIED ANY NET FOUND REVENUES?**

6 A. The Company did not determine that any found revenues were applicable to the
7 test period to offset NLR and does not expect any found revenues to be realized
8 in the 2016 rate period. As a result, DEP has not recognized any net found
9 revenue in this proceeding.

10 **V. TRUE-UP OF PROGRAM PERFORMANCE INCENTIVES**

11 **Q. HAS DEP TRUED-UP ANY OF ITS PRIOR VINTAGE PROGRAM**
12 **PERFORMANCE INCENTIVE (“PPI”) DETERMINATIONS?**

13 A. The Company’s independent third party EM&V consultant, Navigant,
14 completed its assessments of the 2013 vintages of its Energy Efficient Lighting,
15 Residential Appliance Recycling, Small Business Energy Saver, and its CIG
16 Energy Efficiency programs. Navigant, also completed its final assessment of
17 the REEB Program which covered 2013 through the Program’s closure in mid-
18 2014. The Company recalculated the PPI values based on results of the EM&V
19 studies. DEP compared the recalculated annuitized PPI values amounts with
20 those used by DEP in prior recovery requests. The Company then multiplied
21 the variance by the period in which the estimated PPI was in effect (1.5833
22 years) and the determined the related carrying cost impact. The true-up
23 differences are being recognized in the proposed EMF. The following table
24 provides a summary of PPI modifications and related adjustments:

	Annuity Value			Var x 1.5833 yrs	Carrying Cost	Adjustment
	Original	Revised	Variance			
Lighting (Res)	\$ 665,375	\$ 636,857	\$ (28,518)	\$ (45,153)	\$ (5,422)	\$ (50,575)
Lighting (Gen Svc)	163,544	171,971	8,427	13,343	1,602	14,945
Appliance Recycling	21,646	17,038	(4,608)	(7,295)	(876)	(8,172)
Benchmarking	41,577	42,205	628	994	119	1,113
Small Bus EE	-	80,709	80,709	127,786	15,344	143,131
CIG EE	627,765	678,479	50,714	80,296	9,642	89,938
Totals	\$ 1,519,907	\$ 1,627,259	\$ 107,352	\$ 169,970	\$ 20,410	\$ 190,380

1 In total, DEP under-collected PPI amounts by \$190,380 during the period in
2 which these amounts were contained in rates. Miller Direct Exhibit No. 7 reflects
3 these values as EMF-related adjustments.

4 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

5 A. Yes.

Duke Energy Progress Program/Measure Suggestion Template

Name of Collaborative Member

- Phone Number
- Email Address

Program/Measure Name

Detailed Program Description (including measures provided, incentive structure, and source of funding)

Targeted Customer Segment

- Residential
- Non-Residential

Type of Offering

- Energy Efficiency
- Demand Response
- Dual

Utility Offering Program/Measure

- Name of Utility
- Location of Utility
- Utility Contact's Name, Number and Email Address
- Docket No. or Case No.
- Attach Order Approving Program/Measure
- Attach Program Tariffs

Cost Effectiveness Results

- UCT
- TRC
- RIM

Source Documentation

Attach a copy of EM&V report detailing impacts (Measure life, kWh, kW, and timing of savings (winter or summer))

DUKE ENERGY PROGRESS, INC.

2014 DSM/EE TRC Test Results

Program	Net (\$000's)	PV Benefits (\$000's)	PV Costs (\$000's)	TRC Ratio
CIG DR	6,085	6,170	85	72.5
EnergyWise	44,383	45,672	1,289	35.4
Res Home Energy Improvem't	(1,341)	6,737	8,079	0.8
Residential Low Income	242	784	542	1.4
CIG Energy Efficiency	21,807	39,268	17,461	2.2
Lighting (Residential)	50,383	67,015	16,631	4.0
Lighting (General Service)	12,518	14,538	2,020	7.2
Res Appliance Recycling	1,928	2,577	649	4.0
Residential New Construction	1,077	8,042	6,965	1.2
Small Business Energy Saver	9,668	23,369	13,700	1.7
EE Benchmarking	879	1,051	172	6.1
Sum Of Above	147,630	205,740	52,353	3.9
A&G Expenses (System)	(4,461)	NA	4,461	NA
Sum With A&G	143,169	205,740	56,814	3.6

Duke Energy Progress, Inc.

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Jun 17 2015

Demand Side Management and Energy Efficiency Programs

Filing Requirements

Pursuant to NCUC Rule R8-69

Docket No. E-2, Sub 1070

June 17, 2015

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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.

This section is not applicable.

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.
-

Please refer to Appendix A which provides a listing of industrial and large commercial customers, as of December 31, 2014, that have opted out of participation in DEP's 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, January 1, 2016 through December 31, 2016, are provided in the following table:

Projected North Carolina Retail Monthly kWh Sales

Month	Estimated kWh
Jan-16	3,425,260,115
Feb-16	3,135,488,055
Mar-16	2,926,162,235
Apr-16	2,655,220,402
May-16	2,907,750,689
Jun-16	3,356,211,222
Jul-16	3,618,689,095
Aug-16	3,545,293,502
Sept-16	3,032,520,314
Oct-16	2,722,518,922
Nov-16	2,874,461,115
Dec-16	3,301,088,303
Total	37,500,663,969

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, January 1, 2016 through December 31, 2016, have been broken down by type of expenditure and provided in the following table:

	Recoverable Expenditures (System Retail)					
Program / Measure	O&M ¹	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	Total Costs and Incentives
Demand-Side Management Programs						
CIG DR ²	3,499,708				1,789,820	5,289,527
EnergyWise ^{3M}	12,361,027				4,685,321	17,046,349
Energy Efficiency Programs						
DSDR Implementation ³	7,638,797	13,557,111	8,722,054	4,573,496	0	34,491,459
Res Home Advantage	0				207,253	207,253
Res Home Energy Improve	3,012,688				961,013	3,973,701
Residential Low Income-NES ⁴	1,699,383				308,295	2,007,678
Energy Efficiency for Business ²	7,914,103				15,204,475	23,118,578
Lighting (Residential) ⁵	8,676,115				20,442,535	29,118,650
Lighting (General Service) ⁵	1,053,744				7,114,950	8,168,694
Res Appliance Recycling	1,041,084				960,030	2,001,114
My Home Energy Report (MyHER) ⁶	6,156,692				7,019,904	13,176,595
Small Business Energy Saver ²	9,676,201				6,796,220	16,472,421
Residential New Construction	12,627,510				1,267,100	13,894,610
Multi-Family Energy Efficiency	1,922,577				1,174,053	3,096,630
EE Education Program (K-12) ⁴	926,288				180,798	1,107,085
Program Subtotals	78,205,918	13,557,111	8,722,054	4,573,496	68,111,766	173,170,345
Administrative and General						3,615,959
Return on Balances ⁷						15,025,481
Expenditure Totals						191,811,785

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

² O&M expenses for the CIG DR, Energy Efficiency for Business, and Small Business Energy Saver Programs will be recovered through the DSM/EE Rider over a three-year period.

³ The DSDR Program does not include Program Performance Incentives (PPI). As an event driven measure, net lost revenues are not forecasted for the DSDR Program.

⁴ The Residential Low Income Program and the EE Education Program (K-12) do not include amounts for PPI.

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

⁶ O&M expenses for the My Home Energy Report (MyHER) Program are realized as they are incurred.

⁷ 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)
Demand-Side Management Programs (Calculated on EOY 2015 MW Capabilities – at the meter)				
CIG DR	3,499,708	30-yrs	\$4,666	N/A
EnergyWise SM	12,361,027	30-yrs	\$17,915	NA
DSDR Implementation	7,638,797	30-yrs	\$60,540	NA
Energy Efficiency Programs (Calculated Using Rate Period MWh Savings – at the meter)				
Res Home Advantage	0	20-yrs	NA	NA
Res Home Energy Improvement	3,012,688	15-yrs	NA	\$110
Residential Low Income	1,699,383	10-yrs	NA	\$99
Energy Efficiency For Business	7,914,103	10-yrs	NA	\$10
Lighting (Residential)	8,676,115	7-yrs	NA	\$23
Lighting (General Service)	1,053,744	3-yrs	NA	\$14
Res Appliance Recycling	1,041,084	10-yrs	NA	\$28
My Home Energy Report (MyHER)	6,156,692	1-yr	NA	NA
Small Business Energy Saver	9,676,201	10-yrs	NA	\$23
Residential New Construction	12,627,510	20-yrs	NA	\$67
Multi-Family Energy Efficiency	1,922,577	6-yrs	NA	\$33
EE Education Program (K-12)	926,288	7-yrs	NA	\$70

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, January 1, 2016 through December 31, 2016, have been broken down for North Carolina jurisdictional retail customers by type of expenditure and provided in the following table:

	Recoverable Expenditures (North Carolina Retail)					Total Costs and Incentives
Program / Measure	O&M ¹	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	
Demand-Side Management Programs						
CIG DR ²	3,017,798				1,543,361	4,561,159
EnergyWise SM	10,658,914				4,040,152	14,699,066
Energy Efficiency Programs						
DSDR Implementation ³	6,504,436	11,543,880	7,426,829	3,894,332		29,369,477
Res Home Advantage	0				176,476	176,476
Res Home Energy Improve	2,565,304				818,303	3,383,607
Residential Low Income-NES ⁴	1,447,025				262,513	1,709,538
Energy Efficiency for Business ²	6,738,859				12,946,610	19,685,469
Lighting (Residential) ⁵	7,387,712				17,406,818	24,794,531
Lighting (General Service) ⁵	897,263				6,058,380	6,955,643
Res Appliance Recycling	886,483				817,465	1,703,948
My Home Energy Report (MyHER) ⁶	5,242,423				5,977,448	11,219,871
Small Business Energy Saver ²	8,239,285				5,786,982	14,026,267
Residential New Construction	10,752,325				1,078,936	11,831,261
Multi-Family Energy Efficiency	1,637,074				999,706	2,636,780
EE Education Program (K-12) ⁴	788,734				153,949	942,683
Program Subtotals	66,763,635	11,543,880	7,426,829	3,894,332	58,067,100	147,695,776
Administrative and General						3,078,989
Return on Balances						12,794,197
Expenditure Totals						163,568,962

The Company's proposed jurisdictional allocation factors for the rate period, January 1, 2016 through December 31, 2016, are provided in attached Appendix C.

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

² O&M expenses for the CIG DR, Energy Efficiency for Business, and Small Business Energy Savers Programs will be recovered through the DSM/EE Rider over a three-year period.

³ The DSDR Program does not include Program Performance Incentives (PPI). As an event driven measure, net lost revenues are not forecasted for the DSDR Program.

⁴ The Residential Low Income Program and the EE Education Program do not include amounts for PPI.

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

⁶ O&M expenses for the My Home Energy Report (MyHER) Program are realized as they are incurred.

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;

Duke Energy Progress uses the term Evaluation, Measurement and Verification (“EM&V”) to refer to the systematic process of collecting and analyzing information on program activities, quantifying energy and demand impacts, and reporting overall effectiveness of program work.

Demand-Side Management Portfolio

Distribution System Demand Response Program (“DSDR”)

The Company will continue to utilize in-house engineering and other internal personnel to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the demand impacts of the DSDR program. The support will include annual program evaluations for DEP’s DSDR 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 activities to be performed through December 2016 include:

- Collection of program data
- Impact data analysis
- Validation of program capabilities
- Quantification of program energy savings
- Reporting

EnergyWiseSM

The Company 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 EnergyWiseSM program. The third-party evaluation consultant performs annual program evaluations for DEP’s EnergyWiseSM 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 December 2016 include:

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

The total estimated costs for EnergyWiseSM EM&V activities for the rate period are \$131,000.

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

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 annual 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 December 2016 include:

- Process evaluation interviews
- Verification of operability and performance through on-site visits
- Collection of interval data
- Benchmarking research
- Program database review
- Impact data analysis
- Reporting

The total estimated costs for CIG Demand Response EM&V activities for the rate period are \$76,000.

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.

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 January 1, 2016 through December 31, 2016 for programs in the energy efficiency portfolio include:

- Develop/update evaluation action plan
- Process evaluation data collection and analysis
- Review of ex-ante estimated savings assumptions and program database
- Impact evaluation data collection and analysis
- Verify measure installation and performance
- Net to gross analysis
- Reporting and response to data requests

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

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

Program	Rate Period Budget
Residential	
Appliance Recycling	\$26,572
Home Energy Improvement	\$270,150
Lighting	\$200,600
Multi-Family	\$48,037
My Home Energy Report (MyHER)	\$81,759
Neighborhood Energy Saver	\$101,883
Residential New Construction	\$113,592
Non-Residential	
Energy Efficiency for Business	\$361,503
Small Business Energy Saver	\$96,595

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	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2015	5.0	24.8	2.6	0.0	2.8	0.2	7.9	5.4	0.4	N/A	14.6	30.4	0.2	1.5	0.0	11.8	3.0	110.7
2016	25.0	23.0	4.2	0.0	1.5	0.2	7.6	5.2	0.4	N/A	15.5	30.4	0.2	1.1	0.0	10.0	3.5	128.0
2017	20.0	21.0	4.1	0.0	1.6	0.2	6.6	4.5	0.4	N/A	22.9	30.4	0.2	1.2	0.0	10.3	4.0	127.5
2018	15.0	19.0	4.0	0.0	1.6	0.2	6.0	4.2	0.4	N/A	22.9	30.4	0.2	1.2	0.0	9.7	4.4	119.1

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	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2015	2.3	0.9	TBD	0.0	1.6	0.4	2.6	4.4	0.4	N/A	10.0	34.5	0.5	0.9	0.0	7.1	3.4	69.0
2016	11.3	1.1	TBD	0.0	1.0	0.4	2.5	4.3	0.4	N/A	11.3	34.5	0.5	0.7	0.0	6.4	4.0	78.5
2017	9.0	1.5	TBD	0.0	1.2	0.3	2.2	3.7	0.3	N/A	19.4	34.5	0.5	0.7	0.0	1.2	4.6	79.1
2018	6.8	1.5	TBD	0.0	1.2	0.3	2.0	3.4	0.3	N/A	19.4	34.5	0.5	0.7	0.0	1.1	4.6	76.3

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 ¹	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	MyHER	K12 Education	Multifamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2015	N/A	N/A	48,966	0	3,055	1,710	55,093	26,456	3,494	N/A	68,117	111,881	1,987	12,758	0	46,150	7,744	387,410
2016	N/A	N/A	49,610	0	1,828	1,724	52,829	25,368	3,781	N/A	77,202	111,881	1,901	9,788	0	41,304	9,463	386,679
2017	N/A	N/A	50,213	0	1,848	1,724	45,817	22,001	3,781	N/A	81,476	111,881	1,901	10,748	0	33,043	10,785	375,219
2018	N/A	N/A	50,819	0	1,848	1,724	41,965	20,152	3,781	N/A	84,860	111,881	1,901	10,748	0	30,978	11,905	372,563

¹ DSDR impacts include all transmission and generator losses and thus no savings at the meter for years 2008-2013. For 2014, impacts include transmission and generation losses as well as program savings, which are measured at the substation.

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, August 1, 2014 through December 31, 2014, have been broken down by type of expenditure and are provided in the following table:

	Recoverable Expenditures (System Retail)					
Program / Measure	O&M ¹	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	Total Costs and Incentives
Demand-Side Management Programs						
CIG DR	997,465				88,116	1,085,580
EnergyWise SM	3,488,905				1,694,333	5,183,238
Energy Efficiency Programs						
DSDR Implementation ²	2,782,037	5,334,290	4,029,868	2,111,693	0	14,257,888
Res Home Advantage	0				87,976	87,976
Res Home Energy Improve ³	2,025,264				336,244	2,361,508
Residential Low Income-NES ³	751,534				53,326	804,860
Energy Efficiency for Business	3,292,834				4,310,975	7,603,810
Lighting(Residential) ⁴	9,523,466				7,382,813	16,906,279
Lighting(General Service) ⁵	1,156,657				2,643,156	3,799,813
Res Appliance Recycling	731,864				258,103	989,967
Residential EE Benchmark ⁵	-64,256				1,229,757	1,165,501
Small Business Energy Saver	5,994,935				1,477,080	7,472,015
Residential New Construction	3,648,949				221,492	3,870,441
Program Subtotals	34,329,653	5,334,290	4,029,868	2,111,693	19,783,371	65,588,875
Administrative and General						2,031,099
Return on Balances ⁶						4,738,470
Expenditure Totals						72,358,443

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

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

³ The Residential Low Income Program and the Residential Home Energy Improvement Program do not include amounts for PPI.

⁴ O&M expenses for the Residential Lighting Program will be recovered through the DSM/EE Rider over a five-year period.

⁵ O&M expenses for the Residential EE Benchmark Program are realized as they are incurred. This program was replaced by My Home Energy Report (MyHER) Program during 2014.

⁶ 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, August 1, 2014 through December 31, 2014, have been broken down for North Carolina jurisdictional retail customers by type of expenditure and are provided in the following table:

	Recoverable Expenditures (North Carolina Retail)					
Program / Measure	O&M ¹	Depreciation	Capital Costs	Income and General Taxes	PPI and Net Lost Revenue	Total Costs and Incentives
Demand-Side Management Programs						
CIG DR	857,221				75,727	932,948
EnergyWise SM	2,998,365				1,456,110	4,454,475
Energy Efficiency Programs						
DSDR Implementation ²	2,385,040	4,573,087	3,454,806	1,810,354	0	12,223,287
Res Home Advantage	0				75,421	75,421
Res Home Energy Improve ³	1,736,259				288,262	2,024,521
Residential Low Income-NES ³	644,290				45,716	690,006
Energy Efficiency for Business	2,822,947				3,695,799	6,518,746
Lighting (Residential) ⁴	8,164,467				6,329,286	14,493,753
Lighting (General Service) ⁵	991,602				2,265,978	3,257,580
Res Appliance Recycling	627,427				221,271	848,698
Res EE Benchmarking ⁵	-55,087				1,054,271	999,184
Small Business Energy Saver	5,139,458				1,266,300	6,405,758
Residential New Construction	3,128,244				189,885	3,318,129
Program Subtotals	29,440,233	4,573,087	3,454,806	1,810,354	16,964,027	56,242,507
Administrative and General ⁶						1,741,261
Return on Balances ⁷						4,062,290
Expenditure Totals						62,046,058

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

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

³ The Residential Low Income Program and the Residential Home Energy Improvement Program do not include amounts for PPI.

⁴ O&M expenses for the Residential Lighting Program will be recovered through the DSM/EE Rider over a five-year period.

⁵ O&M expenses for the Residential EE Benchmark Program are not subject to deferral. This program was replaced by the My Home Energy Report (MyHER) Program during 2014.

⁶ A&G expenses will be recovered through the DSM/EE Rider over a three-year period.

⁷ The Return on Balances 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)
Demand-Side Management Programs (Calculated on EOY 2014 MW Capabilities – at the meter)				
CIG DR	997,465	30-yrs	\$6,650	N/A
EnergyWise SM	3,488,905	30-yrs	\$4,342	N/A
DSDR Implementation	2,782,037	30-yrs	\$1,796	N/A
Energy Efficiency Programs (Calculated Using Rate Period MWh Savings – at the meter)				
Res Home Advantage	0	20-yrs	N/A	0
Res Home Energy Improvement	2,025,264	15-yrs	NA	\$95
Res Low Income	751,534	10-yrs	NA	\$113
Energy Efficiency for Business	3,292,834	10-yrs	NA	\$15
Lighting (Residential)	9,523,466	7-yrs	NA	\$26
Lighting (General Service)	1,156,657	3-yrs	NA	\$15
Res Appliance Recycling	731,864	10-yrs	NA	\$36
Res EE Benchmarking	-64,256	1-yr	NA	NA
Small Business Energy Saver	5,994,935	10-yrs	NA	\$46
Res New Construction	3,648,949	20-yrs	NA	\$101

The Company's proposed jurisdictional allocation factors for the test period, August 1, 2014 through December 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;

Demand-Side Management Portfolio

Distribution System Demand Response Program ("DSDR")

The Company utilized in-house engineering and other internal personnel to provide the appropriate EM&V support, including the development and implementation of an evaluation plan designed to measure the demand impacts of the DSDR program. The evaluation for DEP's DSDR program included 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 activities performed included:

- Collection of program data
- Impact data analysis
- Validation of program capabilities
- Quantification of program energy savings
- Reporting

DSDR EM&V results for Summer 2014 and Winter 2014-2015 will be reported in the EM&V section of the DEP Annual Report for the DSDR Program which will be filed with the Commission in Docket No. E-2, Sub 926.

EnergyWiseSM

The Company 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 EnergyWiseSM program. The evaluation for DEP's EnergyWiseSM program included 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 included:

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

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

EnergyWiseSM EM&V results for program year 2014 (Summer) and program year 2014/2015 (winter) are planned to be delivered to Duke Energy from the third-party evaluation consultant in the third quarter of 2015. Total actual costs of EM&V activities for the test period are \$68,909.

CIG Demand Response Automation Program

The Company 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 included 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 included:

- Process evaluation interviews
- Verification of operability and performance through on-site visits
- Collection of interval data
- Benchmarking research
- Program database review
- Impact data analysis
- Reporting

EM&V results for the program year 2013 are contained in the Demand Response Automation Program EM&V report dated March 20, 2014 which was filed with the Commission. Total actual costs of CIG Demand Response EM&V activities for the test period are \$1,259.

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 included:

- Development and updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation and performance
- Analysis of net to gross data
- Reporting and responding to data requests

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

Test period actual costs from January 1, 2014 through December 31, 2014 for EE portfolio EM&V activities are summarized in the following table.

Energy Efficiency Program	Test Period Actual Costs
Residential	
Appliance Recycling	\$47,188
Energy Efficient Benchmarking	\$86,442
Home Energy Improvement	\$213,503
Lighting	\$155,919
Neighborhood Energy Saver	\$111,418
Residential New Construction	\$297,886
Non-Residential	
Energy Efficiency for Business	\$291,182
Small Business Energy Saver	\$169,354

Appliance Recycling Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation through surveys
- Analysis of net to gross data
- Reporting and responding to data requests

EM&V results for the program year 2013 are contained in the filed Appliance Recycling Program EM&V report.

Energy Efficient Benchmarking Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Analysis of net to gross data
- Reporting and responding to data requests

EM&V results for the 2013-2014 program periods (final period of the 3-year program) are contained in the filed Residential Energy Efficient Benchmarking Program EM&V report.

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

Home Energy Improvement Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation through surveys
- Analysis of net to gross data
- Reporting and responding to data requests

EM&V results for the program year 2012 are contained in the filed Home Energy Improvement Program EM&V report.

Lighting Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation through surveys
- Analysis of net to gross data
- Reporting and responding to data requests

EM&V results for the program year 2013 are contained in the filed Lighting Program EM&V report.

Neighborhood Energy Saver Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation through surveys
- Reporting and responding to data requests

EM&V results for the program year 2013 are contained in the filed Neighborhood Energy Saver Program EM&V report.

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

Residential New Construction Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation through surveys
- Analysis of net to gross data
- Reporting and responding to data requests

EM&V results for the 2013 and 2014 program years are expected in a combined report to be completed in 2015 and to be filed.

Energy Efficiency for Business Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation through surveys
- Analysis of net to gross data
- Reporting and responding to data requests

EM&V results for program year 2013 are contained in the filed Energy Efficiency for Business Program EM&V report.

Small Business Energy Saver Program

EM&V services performed included:

- Updating of evaluation action plan
- Collection and analysis of process evaluation data
- Review of ex-ante estimated savings assumptions and program database
- Collection and analysis of impact evaluation data
- Verification of measure installation through surveys
- Analysis of net to gross data
- Reporting and responding to data requests

EM&V results for program year 2013 are contained in the filed Small Business Energy Saver Program EM&V report.

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;

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;

This section includes a discussion of Duke Energy Progress Inc.'s ("DEP's" or "Company's") system-wide findings and results primarily from January 1, 2014 through December 31, 2014 for its Demand-Side Management/Energy Efficiency portfolio.

Demand-Side Management Portfolio

Distribution System Demand Response Program

Distribution System Demand Response Program ("DSDR" or "Program") became fully operational on June 1, 2014 and was activated a total of 13 times for the purpose of economical peak load reduction during the period ending December 31, 2014. The system's MW reduction capability is dependent on the actual load, load composition, and meteorological conditions occurring at the time of its activation. Therefore, performance of the DSDR system will differ based on the actual characteristics of the specific situation.

During operation on July 14, 2014, the system achieved a total peak MW reduction of 247 MW incremental capability. In order to be consistent with the DSDR Annual Report calculations, this measurement is normalized to the 2007 peak load, by removing 75 MW of pre-DSDR project load reduction capability, and including a 6 MW reduction of distribution system line losses due to DSDR feeder conditioning improvements. The 2014 actual energy and capacity savings as well as future annual forecasted capabilities of the DSDR Program have been updated based on the results determined during 2014.

Residential Load Control Program (EnergyWiseSM)

The summer program (air conditional load control), which is available to eligible customers system-wide, has experienced a participation level in 2014 that has been right at or slightly above the Company's expectations. Beginning in March 2014, the Company opened a new enrollment channel of outbound calling. This turned out to be a favorable enrollment channel during 2014, which constituted 37 percent of all enrollments. In June 2014, the DEP call center associates began promoting the program as well. The remainder of enrollments has been through direct mail and business reply cards at 44 percent, inbound telephone calls at 12 percent and online web enrollments at 7 percent. The summer program was activated three times during 2014 in response to system reliability alerts under the General Load Reduction Plan 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 level in 2014 has been below the Company's expectations. Response rate to the direct mail campaign has been fairly low at 0.6 percent. In early 2015, the Company will be doing a marketing campaign to target electric water heater customers in order to potentially increase participation levels. Acquiring these loads, even

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

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, approximately 20 percent either did not respond to outbound telephone calls to schedule an appointment, rescheduled multiple times, or cancelled an appointment all together. The auxiliary heat strip and water heaters were activated four times during 2014.

Non-Residential CIG DR (Demand Response Automation)

Participation in the Demand Response Automation Program ("Program") made a favorable turn in the test period, due partly to implementation of a new Emergency Generator Option on January 1, 2014, in response to the EPA's RICE NESHAP regulations for generators. However, the opt-out clause, and associated DSM/EE rider requirements for those customers that opt-in, continued to be a market barrier for large business customers. Marketing efforts were expanded to target opt-out ineligible and unassigned customers through additional channels including email and direct mail and will continue to be refined to maximize engagement of high-propensity, qualified candidates.

In 2014, five customers at eight customer sites were enrolled in the program, accounting for approximately 5.6 MW of new contracted curtailable demand offset by the loss of 0.7 MW at one customer site. This brought the total program to approximately 22.2 MW. The remaining committed load is straight curtailment, typically from shutdown of processes from participating industrial customers.

The Program was activated six times during 2014. Three of the activations occurred during the January Polar Vortex event in response to system reliability alerts under the DEP General Load Reduction Plan, while the remaining three were in response to minimum event requirements of the Program's tariff.

Energy Efficiency Portfolio

Residential Programs

Appliance Recycling Program

The Appliance Recycling Program ("Program") was launched in mid-April of 2010. Since the Program's launch, it has met its goals for the past three years surpassing 40,400 appliances recycled through December 31, 2014. Overall Program success can be attributed to higher customer interest in energy efficiency, the Company'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.

Energy Efficiency Education

The Energy Efficiency Education Program ("Program") is an energy efficiency program available to students in grades K-12 enrolled in public and private schools who reside in households served by Duke Energy Progress. The current curriculum is administered by The National Theatre for Children ("NTC") and targets grade K-8 students.

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

The Program officially launched in January 2015 after receiving regulatory approval late in 2014. The Program provides an important message about energy efficiency through a live theatrical production performed by two professional actors. Teachers receive supportive educational material for classroom and student take home assignments. The workbooks, assignments and activities meet state curriculum requirements. Materials include school posters, teacher guides, and classroom and family activity books.

The Treasure Trove of Conservation Cove is a 25-minute performance for elementary students that teaches how to use resources wisely through a fun pirate treasure hunt featuring a cast of colorful characters. *The Resource Raiders* is a 40-minute program for middle school students which combines sketch comedy with improvisation and audience participation to teach students about natural resources and compliment student studies in science and energy.

Following the performance, students are encouraged to complete a home energy survey with their family (included in their classroom and family activity book) to receive an Energy Efficiency Starter Kit. The kit contains specific energy efficiency measures to reduce home energy consumption. The kit is available at no cost to all student households at participating schools, including customers and non-customers.

The spring program has booked approximately 300 school visits in NC and SC to reach over 100,000 students with the energy efficiency curriculum. Additionally, the program plans to distribute over 4,400 Energy Efficiency Starter kits to student households. School contests encourage kit sign ups and return of the family business reply card. The next school and family contest drawing will be held July 1, 2015. A website, www.trackmysignups.org, provides principals, teachers and students an avenue to view their school's progress and compare sign ups to other schools in the area and helps foster community involvement.

Home Energy Improvement Program

The Home Energy Improvement Program ("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 485 prequalified contractors from a list provided by the Company to install energy efficiency measures. To-date, over 117,000 rebates have been processed for the Program. The overall Program's success can be attributed to higher customer interest in energy efficiency, customers capitalizing on the 2010 and 2011 federal tax credits in conjunction with Company rebates, and promotion of the Program by contractors. In 2012, the Program was modified to measure incentives, removing measure Level I Tune-Ups, Duct Testing and Windows as a result of third party EM&V recommendations and legislation. Additional measures added to the portfolio were Energy Star room air conditioners and heat pump water heaters.

The Program continues to be successful and exceed expectations. In 2014, the Program processed and recorded 13,884 measures totaling over \$3.7 million to customers. HVAC replacements accounted for 52 percent of the measures. Promotion of the Program includes consumer and contractor program flyers, direct mail, bill inserts, email blasts, trade shows to consumers, trade allies and trade ally

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

collateral to support the trade ally network. The trade ally network is essential to the Program's continued success. Trade allies do not receive any incentive for participating in the Program, but see it as a competitive edge in a tight market.

Lighting Program

The Energy Efficient Lighting Program ("Program") launched in January of 2010 and expanded to offer additional measures in January 2013. 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 for all years of the Program have been higher than originally forecasted. This success can be attributed to high customer interest in energy efficiency, low socket penetration of energy efficient lighting in the DEP territory and effective promotion of the Program in the marketplace.

As the Program moves into its fifth year, the Company will continue to 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 and subsequent purchases.

The Program had 21 retail channels in 2014. The top four retail channels account for 80 percent of the Program's sales and each reported over a million measures in 2014. While the next closest retail channel reported about 350,000 measures, all retail channels are considered important in that they allow access to the Program for a wide demographic population as well as geographic spread of DEP customers. This assures that the Program reaches 90 percent of customers within 30 miles of a participating retail location.

The Program continues to be successful and outperform expectations. In 2014, the Program moved approximately 6.6 million measures, including approximately 5.2 million CFLs; 1.3 million LEDs; 125,000 fixtures. Sales of LEDs increased from 6 percent in 2013 to 20 percent in 2014, largely due to greater availability, prominent placement and a decrease in initial retail price. Adoption of CFLs continues as it is still seen as the entry energy efficient choice.

The Program also continues to operate efficiently with 86 percent of overall Program costs going directly to customers in the form of incentives. Additionally, a total of 97 percent of the Program costs are spent on implementation and administration of the Program, including incentives and implementation fees. Therefore, only 3 percent is spent on marketing, labor and other costs.

Multi-family Program

The Multi-family Energy Efficiency Program ("Program") was approved in 2014 and allows DEP to utilize an alternative delivery channel to target multi-family apartment complexes. Currently, the Company uses a third-party vendor to administer the Program. The vendor manages many aspects of the Program which include outreach, direct installations and customer care.

The Program is designed to help property managers upgrade lighting with energy efficient 13 watt CFLs and also save energy by offering water measures such as bath and kitchen faucet aerators, water saving showerheads and pipe wrap. The water measures are available to eligible customers with electric water

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

heating. The Program has a tiered structure to determine the number of lighting measures to install in apartments. The third-party vendor may install up to 12 bulbs in a one bedroom apartment, up to 15 bulbs in a two bedroom apartment and up to 18 bulbs in a three bedroom apartment.

The Program offers properties the option of direct install (DI) service by the third-party vendor's crews. However, property managers also have the option of using their own property maintenance crews to complete the installations (Do-It-Yourself or "DIY"). The CFLs and water measures are installed during scheduled direct install visits by the third-party vendor or routine maintenance visits by property personnel. In the case of direct installs, the third-party vendor's crews carry tablets to keep track of what is installed in each apartment. In the case of DIY installations, the property manager's maintenance crew tracks the number of measures installed and reports them back to the Company's third-party vendor. The third-party vendor then validates this information and uploads the results to the Company.

After installations are complete, Quality Assurance (QA) inspections are conducted on 20 percent of properties that completed installations in a given month. The QA inspections are conducted by an independent third-party.

My Home Energy Report

My Home Energy Report ("MyHER" or "Program") helps customers better understand their energy usage. The report informs customers about their energy use with simple and easy to understood graphics. The report also compares customers' energy use with similar homes in their area based on home size, age and heating source and motivates customers to change behavior and reduce their energy use by presenting them with timely tips and program offers. Customers receive up to eight paper reports a year. My Home Energy Interactive is a website that compliments the report and was introduced in March 2015.

MyHer received regulatory approval during the second half of 2014 and the information technology changes to integrate into an existing system were completed by the end of 2014. Customers eligible for MyHER received their first report in the first quarter of 2015.

MyHER replaced the Residential Energy Efficiency Benchmarking Program ("REEB") which ended in 2014 with the last report sent out in June. The REEB program was a part of a portfolio of energy efficiency programs offered by DEP which provided bi-monthly home energy reports to residential customers. Overall, REEB program savings in the third year of the program (August 2013 to July 2014) amounted to 23.1 GWh of energy, an average reduction of 1.86 percent in participant household annual energy use, net of joint savings with other programs.

Neighborhood Energy Saver

The Neighborhood Energy Saver Program ("NES" or "Program") was launched in October 2009 in North and South Carolina to reduce energy usage through the direct installation of energy efficiency measures within the households of income-qualified residential customers. The Company uses a third-party vendor: (1) to provide an on-site energy assessment of the residence to identify appropriate energy conservation measures, (2) to install a comprehensive package of energy conservation measures at no

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

cost to the customer, and (3) to provide one-on-one energy education. Program measures address end-uses in lighting, refrigeration, air infiltration and HVAC applications.

The Program has been very successful and widely accepted by the eligible Duke Energy Progress customers. The yearly goal is to serve 4,500 households. Of the approximately 29,000 households that were eligible to participate in the 27 selected neighborhoods, over 82 percent participated. The Program has engaged customers in all areas of DEP's service territory in the five years that the Program has been in existence.

During 2014, the Program was launched in six neighborhoods and installed over 146,430 energy conservation measures in the households of 4,184 DEP customers. The Program reached customers in both rural and urban communities. The households served were a mix of 81 percent single family and 19 percent multi-family.

After five years in existence, the program continues to operate with few issues. The implementers of the Program are constantly striving to install the best quality measures and to use techniques that will motivate better customer behavior.

Residential New Construction

The Residential New Construction Program("RNC" or "Program") was approved in late 2012 and launched in January 2013 replacing the Company's previous Home Advantage Program. The purpose of this Program is to incent the installation of high-efficiency heating ventilating and air conditioning ("HVAC") and heat pump water heating ("HPWH") equipment in new residential construction. Additionally, the Program incents new construction that meets the 2012 North Carolina Residential Building Code to meet or exceed the 2012 North Carolina Energy Conservation Code High Efficiency Residential Option ("HERO"). The incentives for homes built to higher standards are based on documented Home Energy Raters (HERS) scores. If elected by a builder or developer constructing to the HERO standard, the Program also offers the homebuyer an incentive guaranteeing the heating and cooling consumption of the dwelling's total annual energy costs.

The Program utilizes a network of over 30 HERS raters working with over 350 builders to implement the HERO standard in newly constructed homes. To-date, over 4,000 rebates have been processed. The overall Program success can be attributed to higher customer interest in energy efficiency, and promotion of the Program by HERS raters and participating builders to the public.

As the Program moves into the third year, DEP Energy Efficient Residential New Construction will encourage customers to become knowledgeable about Home Energy Rating (HERS) Index Score. A HERS score is a quick way to understand a new home's energy efficiency, construction quality, durability and comfort. Customer education is imperative to ensure builders receive compensation for the added value and peace of mind these homes offer consumers.

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

Non-Residential Programs

Energy Efficiency for Business (EEB) Program

The Energy Efficiency for Business Program (“EEB Program” or “Program”) was launched in 2009 and promotes energy efficient construction and retrofit in DEP’s commercial, industrial and governmental sectors. In 2014, the Program experienced a decline in expected participation and savings targets. The Program received fewer applications in 2014 and overall, the participating projects were smaller in size. This decline in participation is attributed to the continued negative impact on large customer participation due to the rising DSM/EE rider and the addition of a small business direct install program which attracted customers to that program that may have participated in the EEB Program.

In 2014, lighting continued to be the primary impact driver for the Program. The Program moved LED lighting from the custom to the prescriptive offering at the end of 2013. However, the move created little increase in LED participation. In addition, HVAC and refrigeration measures continued to see low participation.

Technical assistance experienced a significant decline in the number of paid applications from 2013 to 2014. In 2013, \$250,000 in incentives were paid for technical assistance whereas in 2014, \$70,000 in incentives were paid for technical assistance. While participation declined, the Company continued to see these applications turn into additional Custom projects with energy efficiency savings.

To market the EEB Program, non-residential customers are informed of programs via targeted marketing material and communications. Information about incentives is also distributed to trade allies, who in turn sell equipment and services to all sizes of non-residential customers. Large business or assigned accounts are targeted primarily through assigned Company account managers. In 2014, the Company added additional internal roles to focus on increasing small-to-medium business participation. The business energy advisors target customers with electrical costs between \$60,000 and \$250,000 to promote energy efficiency programs. In 2015, the Company plans to add measures to the Program and plans to propose modifications to the Program’s incentive structure to improve its effectiveness.

Small Business Energy Saver

The Small Business Energy Saver Program (“Program”) is to reduce energy usage through the direct installation of energy efficiency measures within qualifying small non-residential customer facilities. All aspects of the Program are administered by a third-party vendor. Program measures address major end-uses in lighting, refrigeration and HVAC applications.

Program participants receive a free, no-obligation energy assessment of their facility followed by a recommendation of energy efficiency measures to be installed in their facility along with the projected energy savings, costs of all materials and installation, and incentive from the Company. Upon receiving the results of the energy assessment, if the customer decides to move forward with the proposed energy efficiency project, the measure installation is scheduled at a convenient time for the customer and the measures are installed by electrical subcontractors of the third-party vendor. The Program is designed as a pay-for-performance offering, meaning that the third-party vendor administering the

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

Program is only compensated for energy savings produced through the installation of energy efficiency measures.

As a result of the findings and recommendations presented within the Program's 2013 Evaluation, Measurement & Verification ("EM&V") report, the Program's original deemed kWh savings values used per measure were updated to reflect more accurate kWh savings values being tracked and reported by the third-party vendor using the conditions found within customer facilities. The original deemed savings estimates used in earlier Program filings were confirmed to be low by the Company's EM&V vendor, which in combination with greater than anticipated customer interest and participation in the Program in 2014, resulted in a significant discrepancy between the forecasted versus actual MWh impacts achieved. Moving forward, Program projections have been revised to account for the deemed savings changes as well as the high interest in the program from the small business customer segment.

There were numerous initiatives implemented in 2014 which improved Program efficiency, quality and customer experience. Increased collaboration and process improvements resulted in more emphasis on quality assurance and data accuracy throughout the energy assessment, measure installation and tracking and reporting processes. The need for such improvements was supported through the recommendations offered in the 2013 EM&V report. All recommendations offered in the 2013 EM&V report were acted upon in 2014.

In addition, process improvements led to increased participation in refrigeration measures in 2014, which were aimed at the small grocery and convenience store segment. Nearly 6 percent of total gross kWh savings were derived from refrigeration measures in 2014, compared to no refrigeration measures installed in 2013.

In 2014, the Company also instituted a quarterly customer email survey to gauge satisfaction in all aspects of the Program. Satisfaction scores in various Program aspects increased as the year progressed, while overall customer satisfaction in the Program remained high throughout the year.

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

Distribution System Demand Response Program (“DSDR”)

DSDR became fully operational on June 1, 2014 and the following table provides the information on the occurrences from that date through the period ending December 31, 2014:

Date	Weather Conditions	Event Trigger	Number of Customers Notified	Number of Customers Enrolled
Jun-05-14	88° F	Testing	N/A	N/A
Jun-10-14	93° F	Testing	N/A	N/A
Jun-17-14	92° F	Economic	N/A	N/A
Jun-19-14	95° F	Economic	N/A	N/A
Jun-26-14	90° F	Economic	N/A	N/A
Jul-02-14	93° F	Economic	N/A	N/A
Jul-09-14	94° F	Economic	N/A	N/A
Jul-14-14	93° F	Economic	N/A	N/A
Jul-23-14	88° F	Economic	N/A	N/A
Jul-28-14	92° F	Economic	N/A	N/A
Aug-06-14	91° F	Economic	N/A	N/A
Aug-20-14	90° F	Economic	N/A	N/A
Aug-21-14	93° F	Economic	N/A	N/A
Aug-22-14	93° F	Economic	N/A	N/A
Sep-17-14	78° F	Testing	N/A	N/A
Nov-17-14	70° F	Testing	N/A	N/A
Nov-19-14	22° F	Economic	N/A	N/A
Dec-16-14	58° F	Testing	N/A	N/A

Rule R8-69(f)(1)(iii)g – Continued

Residential Load Control Program (EnergyWiseSM)

The following table provides information on load control occurrences associated with DEP's EnergyWiseSM program covering the twelve month period ending December 31, 2014:

Date	Weather Conditions	Event Trigger ¹	Control Mode	Switches Activated	Number of Customers Controlled	Number of Customers Enrolled
Jan-07-14	12° F	GLRP Reliability Alert	Full Shed - Water Heaters	5,172	5,055	WH – 5,055
Jan-07-14	12° F	GLRP Reliability Alert	Full Shed – HP Strip Heat	3,529	3,219	SH – 3,219
Jan-08-14	18° F	GLRP Reliability Alert	Full Shed - Water Heaters	5,186	5,069	WH – 5,069
Jan-08-14	18° F	GLRP Reliability Alert	Full Shed – HP Strip Heat	3,537	3,226	SH – 3,226
Jan-22-14	24° F	GLRP Reliability Alert	Full Shed - Water Heaters	5,242	5,124	WH – 5,124
Jan-22-14	24° F	GLRP Reliability Alert	Full Shed – HP Strip Heat	3,579	3,264	SH – 3,264
Jun-17-14	92° F	Testing	Full Shed - AC Units	124,799	108,672	AC – 108,672
Jul-08-14	94° F	Economic	Cycling - AC Units	125,148	109,000	AC – 109,000
Sep-02-14	92° F	Economic	Cycling - AC Units	127,869	111,402	AC – 111,402

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 December 31, 2014:

Date	Weather Conditions	Event Trigger ²	Control Mode	Points of Delivery Controlled	Number of Customers Controlled	Number of Customers Enrolled
Jan-07-14	12° F	GLRP System Reliability Alert	Curtable & Gen Option	21	3	15
Jan-08-14	18° F	GLRP System Reliability Alert	Curtable & Gen Option	28	6	15
Jan-22-14	24° F	GLRP System Reliability Alert	Curtable & Gen Option	32	11	15
Jul-08-14	94° F	Minimum Event Requirement	Curtable & Gen Option	51	16	16
Jul-28-14	88° F	Minimum Event Requirement	Curtable Option	47	13	13
Aug-21-14	89° F	Minimum Event Requirement	Curtable Option	47	13	13

¹ GLRP - General Load Reduction Plan

² 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 1030¹

	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	MyHER	K12 Education	MultiFamily	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	0.0	0.0	NA	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	0.0	0.0	NA	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	0.0	0.0	NA	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	0.0	0.0	NA	1.6	4.2	72.2

Anticipated Summer Capacity Reductions (MW)

	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	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	5.0	26.8	51.6	0.0	3.1	0.2	18.0	12.3	0.6	2.7	14.6	N/A	N/A	N/A	0.0	9.7	1.8	146.4
2015	5.0	24.8	2.6	0.0	2.8	0.2	7.9	5.4	0.4	N/A	14.6	30.4	0.2	1.5	0.0	11.8	3.0	110.7
2016	25.0	23.0	4.2	0.0	1.5	0.2	7.6	5.2	0.4	N/A	15.5	30.4	0.2	1.1	0.0	10.0	3.5	128.0
2017	20.0	21.0	4.1	0.0	1.6	0.2	6.6	4.5	0.4	N/A	22.9	30.4	0.2	1.2	0.0	10.3	4.0	127.5

Differences Between Previous and Updated Summer Capacity Forecasts (MW)

	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	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	0.0	0.0	10.6	0.0	0.3	(0.0)	10.2	7.2	0.0	2.7	(3.6)	0.0	0.0	0.0	0.0	8.3	(0.5)	35.3
2015	0.0	2.9	6.2	0.0	(0.1)	(0.0)	1.4	1.2	(0.0)	0.0	(5.1)	30.4	0.2	1.5	0.0	10.3	(0.3)	48.6
2016	20.5	2.9	(2.5)	0.0	(1.3)	(0.0)	1.1	1.0	0.0	0.0	(5.7)	30.4	0.2	1.1	0.0	8.4	(0.7)	55.4
2017	15.5	2.9	(2.4)	0.0	(1.3)	(0.0)	0.1	0.3	0.0	0.0	0.0	30.4	0.2	1.2	0.0	8.7	(0.2)	55.3

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

Forecasted Winter Capacity Values from Docket No. E-2, Sub 1030¹

	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	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	0.6	1.4	TBD	0.0	2.7	0.4	6.1	8.4	0.4	2.6	14.2	0.0	0.0	0.0	NA	0.4	0.5	37.9
2015	2.3	1.5	TBD	0.0	2.2	0.4	2.6	4.3	0.4	N/A	15.4	0.0	0.0	0.0	NA	0.6	2.6	32.1
2016	2.3	1.5	TBD	0.0	2.2	0.4	2.2	3.6	0.3	N/A	16.6	0.0	0.0	0.0	NA	0.6	3.7	33.3
2017	2.0	1.5	TBD	0.0	2.2	0.4	2.2	3.6	0.3	N/A	17.9	0.0	0.0	0.0	NA	0.6	4.6	35.4

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	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	2.3	1.5	TBD	0.0	1.6	0.3	6.0	10.0	0.5	3.0	2.9	N/A	N/A	N/A	0.0	1.3	2.1	31.3
2015	2.3	0.9	TBD	0.0	1.6	0.4	2.6	4.4	0.4	N/A	10.0	34.5	0.5	0.9	0.0	7.1	3.4	69.0
2016	11.3	1.1	TBD	0.0	1.0	0.4	2.5	4.3	0.4	N/A	11.3	34.5	0.5	0.7	0.0	6.4	4.0	78.5
2017	9.0	1.5	TBD	0.0	1.2	0.3	2.2	3.7	0.3	N/A	19.4	34.5	0.5	0.7	0.0	1.2	4.6	79.1

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	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	1.6	0.1	TBD	(0.0)	(1.1)	(0.1)	(0.2)	1.6	0.1	(2.6)	(11.3)	N/A	N/A	N/A	0.0	0.9	1.6	(9.5)
2015	0.0	(0.6)	TBD	0.0	(0.6)	(0.0)	0.1	0.1	0.0	N/A	(5.3)	34.5	0.5	0.9	0.0	6.5	0.8	37.0
2016	9.0	(0.4)	TBD	0.0	(1.1)	(0.0)	0.4	0.6	0.1	N/A	(5.3)	34.5	0.5	0.7	0.0	5.7	0.3	45.1
2017	7.0	0.0	TBD	0.0	(1.0)	(0.1)	0.0	0.1	0.0	N/A	1.4	34.5	0.5	0.7	0.0	0.6	0.0	43.8

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 1030¹

	CIG DR	Energy Wise™	DSDR ¹	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	MyHER	K12 Education	MultiFamily	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	0	0	NA	5,868	5,885	171,595
2015	N/A	N/A	24,831	0	3,110	2,020	45,337	21,509	4,212	N/A	76,107	0	0	0	NA	6,382	9,131	192,638
2016	N/A	N/A	1,180	0	3,119	2,020	45,048	21,311	4,212	N/A	82,196	0	0	0	NA	6,518	11,625	177,227
2017	N/A	N/A	1,146	0	3,127	2,020	45,342	21,366	4,212	N/A	88,771	0	0	0	NA	6,680	11,625	184,290

Anticipated Energy Reductions (MWH)

	CIG DR	Energy Wise™	DSDR ¹	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	N/A	N/A	40,774	0	3,403	1,596	124,613	59,805	4,868	15,403	53,489	N/A	N/A	N/A	0	31,139	4,332	339,422
2015	N/A	N/A	48,966	0	3,055	1,710	55,093	26,456	3,494	N/A	68,117	111,881	1,987	12,758	0	46,150	7,744	387,410
2016	N/A	N/A	49,610	0	1,828	1,724	52,829	25,368	3,781	N/A	77,202	111,881	1,901	9,788	0	41,304	9,463	386,679
2017	N/A	N/A	50,213	0	1,848	1,724	45,817	22,001	3,781	N/A	81,476	111,881	1,901	10,748	0	33,043	10,785	375,219

Differences Between Previous and Updated Energy Forecasts (MWH)

	CIG DR	Energy Wise™	DSDR ¹	Res Home Advantage	Residential HEIP	Res Low Income	Res Lighting	Lighting Gen Service	Res Appl. Recycling	Res EE Benchmark	CIG Energy Efficiency	MyHER	K12 Education	MultiFamily	Solar Water Heating	SMB Direct Install	Res New Const.	Total
2014	0	0	40,894	0	317	(423)	70,962	34,334	(396)	15,403	(16,980)	0	0	0	0	25,271	(1,554)	167,827
2015	0	0	24,135	0	(55)	(310)	9,756	4,947	(718)	0	(7,990)	111,881	1,987	12,758	0	39,768	(1,387)	194,772
2016	0	0	48,430	0	(1,291)	(295)	7,781	4,058	(430)	0	(4,994)	111,881	1,901	9,788	0	34,786	(2,162)	209,452
2017	0	0	49,066	0	(1,279)	(295)	475	635	(430)	0	(7,295)	111,881	1,901	10,748	0	26,363	(840)	190,929

¹ For 2014, DSDR impacts include transmission and generation losses as well as program savings, which are measured at the substation.

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.

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 work papers.

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 evaluation, measurement and verification (EM&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 My Home Energy Report ("MyHER") Program, which in the absence of M&V results indicating greater persistence of benefits, is limited to 12-months.

Net Lost Revenues are offset by Net Found Revenues, should they occur. Net Found Revenues refers to any increases in revenues resulting from any activity by DEP's public utility operations that causes a customer to increase demand or energy consumption, whether or not that activity has been approved pursuant to Commission Rule R8-68. The dollar value of Net Found Revenues are determined in a manner consistent with the determination of the dollar value of Net Lost Revenues.

Rule R8-69(f)(1)(iv) – Continued

B. Incentive to Create Future Benefits

DSM and EE Program Performance Incentives (PPI)

The PPI values applicable through December 31, 2011¹⁵ are as follows:

- For DSM programs, the PPI to be recovered for a given measurement unit and vintage year shall be equal to 8 percent of the net present value of the DSM program savings based upon the Utility Cost Test (“UCT”).
- For eligible EE programs, the PPI to be recovered for a given measurement unit and vintage year shall be equal to 13 percent of the net present value of the EE program savings based upon the UCT.

After 2015, the applicable PPI values are equal to 11.75 percent of the net present value of the PPI eligible programs savings based on the UCT for DEP’s program portfolio. The UCT is an industry standard test, which compares the costs incurred 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 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 PPI levelization involves the Residential MyHER program, which in the absence of M&V results indicating greater persistence of benefits, is being recovered in a single year.

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.

Rule R8-69(f)(1)(iv) – Continued

Program / Measure	Sales Loss For Purposes of Lost Revenue Calculation (MWh) – North Carolina	
	Test Period (8/1/14 through 12/31/14)	Rate Period (1/1/16 through 12/31/16)
Demand-Side Management Programs		
CIG DR ¹	N/A	N/A
EnergyWise ¹	N/A	N/A
Energy Efficiency Programs		
DSDR Implementation ¹	N/A	N/A
Res Home Advantage	31.01	0
Res Home Energy Improve	2,602.67	7,530.84
Residential Low Income-NES	750.06	4,379.69
Lighting (Residential)	77,192.00	223,539.22
Lighting (General Service)	37,479.44	107,257.91
Res Appliance Recycling	2,549.15	10,948.15
Residential EE Benchmark / MyHER (2016)	15,689.50	94,251.74
Energy Efficiency for Business	42,082.74	158,116.02
Small Business Energy Saver	20,733.91	91,069.20
Residential New Construction	2,709.77	14,744.88
Multi-Family Energy Efficiency	-	15,378.67
EE Education Program (K-12)	-	2,568.44
Total Reduction in Energy (MWh)	201,820.25	729,784.76

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

Rule R8-69(f)(1)(iv) – Continued

The following table provides calculated North Carolina jurisdictional utility incentives for the Company's test period (8/1/14 through 12/31/14). The PPI values encompass program results associated with program vintages 2009, 2010, 2011, 2011, 2012, 2013 and 2014.

Program / Measure	Utility Incentives (North Carolina Only) – Test Period (8/1/14 through 12/31/14)			
	Net Lost Revenue	DSM PPI	EE PPI	Total
Demand-Side Management Programs				
CIG DR	-	75,727		75,727
EnergyWise	-	1,456,110		1,456,110
Energy Efficiency Programs				
DSDR Implementation	0		0	0
Res Home Advantage	1,890		73,532	75,421
Res Home Energy Improve	158,634		129,628	288,262
Residential Low Income-NES	45,716		0	45,716
Lighting (Residential)	4,704,879		1,624,407	6,329,286
Lighting (General Service)	1,852,756		413,222	2,265,978
Res Appliance Recycling	155,371		65,900	221,271
Residential EE Benchmark	956,281		97,990	1,054,271
CIG Energy Efficiency	2,080,315		1,615,484	3,695,799
Small Business Energy Saver	1,024,959		241,342	1,266,300
Residential New Construction	165,161		24,724	189,885
Total Utility Incentives Including Net Lost Revenue	\$11,145,963	\$1,531,837	\$4,286,227	\$16,964,027

The following table provides calculated North Carolina jurisdictional utility incentives for the Company's rate period (1/1/16 through 12/31/16). The PPI values encompass program results associated with program vintages 2009, 2010, 2011, 2012, 2013, 2014 and estimated values for 2015.

Program / Measure	Utility Incentives (North Carolina Only) – Rate Period (1/1/16 through 12/31/16)			
	Net Lost Revenue	DSM PPI	EE PPI	Total
Demand-Side Management Programs				
CIG DR		1,543,361		1,543,361
EnergyWise		4,040,152		4,040,152
Energy Efficiency Programs				
DSDR Implementation	0		0	0
Res Home Advantage	0		176,476	176,476
Res Home Energy Improve	451,389		366,913	818,303
Residential Low Income-NES	262,513		0	262,513
Lighting (Residential)	13,398,666		4,008,152	17,406,818
Lighting (General Service)	5,193,680		864,700	6,058,380
Res Appliance Recycling	656,219		161,247	817,465
My Home Energy Report (MyHER)	5,649,333		328,115	5,977,448
Energy Efficiency for Business	7,656,350		5,290,261	12,946,610
Small Business Energy Saver	4,409,785		1,377,197	5,786,982
Residential New Construction	883,790		195,146	1,078,936
Multi-Family Energy Efficiency	921,779		77,927	999,706
EE Education Program (K-12)	153,949		0	153,949
Total Utility Incentives Including Net Lost Revenue	\$39,637,452	\$5,583,514	\$12,846,134	\$58,067,100

Rule R8-69(f)(1)(iv) – Continued

The Company's proposed jurisdictional allocation factors for the test period, August 1, 2014 through December 31, 2014, and for the rate period, January 1, 2016 through December 31, 2016 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 August 1, 2014 through December 31, 2014.

	DSM/EE Rider	DSM/EE EMF Rider	Total from Riders
Residential DSM/EE Recoveries	\$ 18,750,689	\$ (393,533)	\$18,357,156
General Service	\$ 21,164,456	\$ 1,058,141	\$ 22,222,597
Less: Opt-Out Credits	10,798,901	545,760	11,344,661
General Service DSM/EE Recoveries	\$ 10,365,555	\$ 512,381	\$ 10,877,936
Lighting	\$ 187,738	\$ (10,120)	\$ 177,618
Less: Opt-Out Credits	\$6,350	\$ (347)	\$ 6,003
Lighting DSM/EE Recoveries	\$ 181,388	\$ (9,773)	\$ 171,615
Total DSM/EE Recoveries	\$ 29,297,632	\$ 109,075	\$ 29,406,707

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 Carolyn T. Miller. The following table provides a summary of the Company's requested DSM/EE rates excluding North Carolina Regulatory Fees.

Rate Class	DSM Rate (\$/kWh)	EE Rate (\$/kWh)	DSM EMF Rate (\$/kWh)	EE EMF Rate (\$/kWh)	DSM/EE Annual Rider
Residential	.00086	.00474	.00006	.00055	.00621
General Service (EE only)		.00494		.00058	.00552
General Service (DSM only)	.00039		.00001		.00040
Lighting		.00109		.00006	.00115

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

Rate Class	DSM Rate (\$/kWh)	EE Rate (\$/kWh)	DSM EMF Rate (\$/kWh)	EE EMF Rate (\$/kWh)	DSM/EE Annual Rider
Residential	.00086	.00475	.00006	.00055	.00622
General Service (EE only)		.00495		.00058	.00553
General Service (DSM only)	.00039		.00001		.00040
Lighting		.00109		.00006	.00115

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 10,823,697,100 kWh will not be subject to billing under its rider for the twelve month period ending December 31, 2016. A similar analysis estimated that there is another 14,836,085 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 & Lighting Customers

Month	Estimated kWh
Jan-16	855,922,681
Feb-16	835,537,550
Mar-16	798,748,722
Apr-16	910,485,028
May-16	866,045,400
Jun-16	946,693,773
Jul-16	1,003,998,349
Aug-16	971,289,667
Sep-16	1,022,652,929
Oct-16	940,472,893
Nov-16	797,013,690
Dec-16	889,672,503
Total	10,838,533,185

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

Work papers 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.

Work papers and supporting documents are attached to this document along with the testimony and exhibits of Carolyn T. Miller, and Robert E. Evans providing details associated with the development of the Company's proposed DSM/EE rates.

Appendix A: Non-Participating Customers

Non-Participant	Non-Participating Accounts	Non-Participant	Non-Participating Accounts
3 M COMPANY INC	4	AUSTIN QUALITY FOODS INC	3
3141 PROPERTIES LLC	1	B V HEDRICK GRAVEL & SAND CO	9
333 VENTURES LLC C/O RDC PROP	2	BALCRANK CORPORATION	2
3700 GLENWOOD LLC	1	BALDOR ELECTRIC CO	1
4208 SIX FORKS ROAD LLC	2	BARHAM FARMS INC	1
A STUCKI COMPANY	1	BARTLETT MILLING CO	2
AAIPHARMA SERVICES CORP	1	BB&T	2
ACME-MCCRARY CORP	4	BELK INC	8
AG PROVISION LLC	3	BELLSOUTH TELECOMMUNICATIONS	10
AIMET TECHNOLOGIES INC	1	BERKELEY MALL LLC	2
AJINOMOTO USA INC	3	BI-LO LLC	3
ALAMAC AMERICAN KNITS LLC	2	BILTMORE BAPTIST CHURCH	1
ALLEN HARIM FARMS LLC	1	BILTMORE FARMS HOTEL GRP LLC	4
ALLEN IND & WELDING SUPPLY LLC	1	BILTMORE FOREST CNTRY CLUB INC	5
ALOTECH INC	3	BJ'S WHOLESALE CLUB INC	8
ALPLA INC	1	BJT, INC	1
ALUDISC LLC	1	BLACK MTN CENTER	6
AMC INC	1	BLUE RIDGE PAPER PRODUCTS INC	31
AMCOR FLEXIBLES INC	1	BOISE CASCADE WOOD PRDCTS LLC	6
AMCOR PHARMACEUTICAL PACKAGING	2	BOLIVIA LUMBER CO LLC	2
AMERICAN EUROPEAN LLC	1	BONSAL AMERICAN INC	1
AMERICAN GROWLER INC	2	BORG WARNER TURBO SYSTEMS INC	2
AMERICAN SKIN COMPANY INC	1	BORGWARNER THERMAL SYSTEMS INC	1
AMISUB OF NORTH CAROLINA INC	1	BP SOLUTIONS GROUP INC	2
ANGUS BARN LTD	6	BRH ASSOCIATES LP	3
ANSON MACHINE WORKS	4	BRIER CREEK OFFICE # 1 LLC	1
APAC TENNESSEE INC	3	BRIER CREEK OFFICE # 2 LLC	1
APEX OIL CO INC/TERMINALS DIVI	5	BRIER CREEK OFFICE # 5 LLC	1
APEX TOOL GROUP LLC	1	BRM PARTNERS II LLC	1
ARAUCO PANELS USA LLC	2	BROMLEY PLASTICS CORPORATION	1
ARCADIA DAIRY FARMS INC	2	BROOKS HOWELL RETIREMENT HOME	3
ARCHER DANIELS MIDLAND CO	1	BROOKWOOD FARMS INC	6
ARCLIN USA INC	1	BRYAN WRIGHT	2
ARDEN CORPORATION	4	BSH HOME APPLIANCES	6
ARI RALEIGH CAPITOL CTR LLC	2	BURCAM CAPITAL II LLC	1
ARVATO DIGITAL SERVICES LLC	3	BURLINGTON INDUSTRIES LLC	2
ASHEBORO CITY OF	2	BUTLER MFG CO	5
ASHEBORO ELASTICS CORP	3	CAMP DAVIS INDUSTRIAL PARK INC	7
ASHEVILLE BUNCOMBE TECH	2	CAMPBELL SOUP SUPPLY CO LLC	4
ASHEVILLE CITY OF	10	CAMPBELL UNIVERSITY	41
ASHEVILLE DYING AND FINISHING	2	CAN AM SOUTH LLC	2
AT & T MOBILITY	3	CAPE FEAR ACADEMY	2
ATEX TECHNOLOGIES INC	1	CAPE FEAR COUNTRY CLUB	8
ATLANTIC CORP OF WILM INC	8	CAPE FEAR MEM HOSP INC	2
ATRIUM @ BLUE RIDGE LLC	1	CAPE FEAR PUBLIC UTILITY AUTH	5

Non-Participant	Non-Participating Accounts	Non-Participant	Non-Participating Accounts
CAPEL INC	6	COLBOND INC	1
CAPITAL ASSOCIATES	10	COLUMBUS COUNTY SCHOOLS	11
CAPITAL BROADCASTING CO	4	COLUMBUS CTY BD	1
CAPITOL FUNDS INC	4	COLUMBUS REG HEALTHCARE SYSTEM	3
CARGILL INC	1	COMMUNICATIONS INSTRUMENTS INC	2
CARLIE C OPERATION CENTER INC	1	COMPUTER DESIGN INC	1
CARMIKE CINEMA INC	2	CONESTOGA WOOD SPECIALTIES	2
CAROLINA APPAREL GROUP INC	1	CONSOLIDATED METCO INC	1
CAROLINA BEACH TOWN OF	1	CONVEYOR TECHNOLOGIES OF SANFO	5
CAROLINA COUNTRY CLUB	3	COOPER INDUSTRIES INC	1
CAROLINA CRATE & PALLET INC	3	COOPER-STANDARD AUTOMOTIVE INC	2
CAROLINA CUSTOM FINISHING LLC	1	CORNELIA NIXON DAVIS INC	4
CAROLINA EGG CO INC	1	CORNELIA NIXON DAVIS NURSING	1
CAROLINA ELECTRONIC ASSEMBLERS	1	CORNING INC	3
CAROLINA TECHNICAL PLASTICS	3	CORTEK	4
CARQUEST OF SRONCE	2	COSTCO	4
CARTERET CO BD OF ED	20	COTY US LLC	5
CARTERET GENERAL HOSPITAL	3	COUNCIL TOOL CO INC	4
CARY TOWN OF	12	COUNTRY CLUB OF LANDFALL	18
CARY VENTURE LTD PRTRNSHIP	14	COUNTY OF WAYNE	1
CASCADES MOULDED PULP	1	COURTYARD BY MARRIOTT	3
CASCADES TISSUE GROUP NC INC	5	CPI USA NORTH CAROLINA LLC	1
CASE FARMS	11	CRABTREE PARTNERS LLC	1
CATALENT PHARMA SOLUTIONS LLC	17	CRAVEN CO BD OF ED	15
CATERPILLAR INC	6	CRAWFORD KNITTING INC	1
CERTAINTIED CORPORATION	4	CROP PRODUCTION SERVICES INC	1
CERTAINTIED INC	1	CROWN-RALEIGH I LLC	1
CHARLES R UNDERWOOD INC	2	CROWN-RALEIGH II LLC	1
CHATHAM CO	1	CSX TRANSPORTATION	2
CHATHAM CO BOARD OF EDUCATION	12	DAK AMERICAS LLC	7
CHATHAM HOSPITAL INC	2	DALIAH PLASTICS CORP	4
CHERRY HOSPITAL	40	DART CONTAINER CORP OF MICHIGA	1
CITY OF HENDERSON	2	DAVID WEIL	1
CITY OF RALEIGH PARKS REC DEPT	12	DAY INTERNATIONAL INC	2
CLIENT LOGIC INC	1	DC-5150 MCCRIMMON PKWY	2
CLIFFORD W ESTES CO INC	3	DCI INC	2
CLINTON CITY OF	3	DEERFIELD DEERFIELD EPISCOPAL RETIREMENT	10
CLOVERLEAF COLD STORAGE CO	1	DEVIL DOG MFG CO INC	2
CMC CORPORATION	5	DEWEY DEVELOPMENT INC	3
CMS FOOD SOLUTIONS INC	1	DIXIE PIPELINE COMPANY	4
COASTAL CAR COMM COLL RES BLD	1	DUBOSE STRAPPING, INC.	1
COASTAL CAROLINA COMM COLLEGE	13	DUKE REALTY CORP	14
COASTAL FEDERAL CREDIT UNION	1	DUKE REALTY CORPORATION	1
COBB VANTRESS INC	1	DUKE REALTY LIMITED PARTNER	2
COKER FEED MILL INC	1	DUKE UNIV HEALTH SYSTEM INC	27

Non-Participant	Non-Participating Accounts		Non-Participant	Non-Participating Accounts
DUKE UNIVERSITY MARINE LAB	1		GENERAL ELECTRIC CO	3
DUNN CITY OF	2		GENERAL INDUSTRIES INC	5
DUPLIN GENERAL HOSP	1		GENERAL PARTS INC	1
DUPONT E I DE NEMRS	8		GENERAL SHALE BRICK INC	8
DYNAPAR CORP	1		GENERAL TIMBER INC	4
E CAROLINA METAL TREATING INC	2		GEORGIA PACIFIC CORP	6
EARTH FARE INC	3		GEORGIA PACIFIC WOOD PROD LLC	1
EATON CORPORATION	6		GIBRALTAR PACKAGING GROUP INC	4
EDEL BROCK LLC	1		GILDAN YARNS LLC	1
EDWARD VALVES INC	1		GIVENS ESTATES INC	13
EDWARDS WOOD PRODUCTS INC	6		GLAXOSMITHKLINE	6
ELASTIC THERAPY INC	3		GLEN RAVEN MILLS INC	1
ELECTRO SWITCH CORPORATION	1		GLENWOOD PLACE VENTURES LLC	1
ELEMENTIS CHROMIUM INC	4		GLOBAL PACKAGING INC	1
ELKAY SOUTHERN PLANT 2	1		GOLDSBORO CITY OF	2
ELKINS SAWMILL INC	3		GOLDSBORO HOUSING AUTHORITY	2
EMBARQ MID-ATLANTIC MGMT SVC	3		GOLDSBORO MILLING CO	14
EMC CORPORATION	4		GRANITE FALLS SWIM/ATHL CLUB	2
EMCO WHEAT INC	1		GREATER ASHEVILLE REG AIRPORT	1
ENERGIZER BATTERY MANUFACTURIN	1		GREDE II LLC	3
ENTERCO LLC	1		GREDE MACHINING LLC	3
ERICO INC	6		GRIFOLS THERAPEUTICS INC	10
EVERGREEN PACKAGING INC	4		GUILFORD MILLS INC	2
EXPRESS FOOD GROUP LLC	1		H & H FURNITURE MFG INC	3
FACTORY ICE HOUSE	3		HALIFAX MEDIA HOLDINGS LLC	2
FAYETTEVILLE TECH COMM COLL	2		HANESBRANDS INC	2
FCC (NC) LLC	3		HANSON AGGREGATES SE LLC	33
FENNER DRIVES	1		HANSON BRICK EAST LLC	1
FIRST BAPTIST CH OF ASHE INC	1		HAPPY JACK INC	1
FIRST CITIZENS BANK	1		HARDEN ROAD ASSOCIATES	1
FIRST CITIZENS BANK & TRUST CO	5		HARGER LIGHTNING & GROUNDING	1
FIRSTHEALTH OF THE CAROLI INC	2		HARNETT CO BD OF ED	26
FIRSTHEALTH OF THE CAROLINAS	17		HARRIS PRINTING CO INC	3
FLOCO FOODS INC	2		HARRIS TEETER INC	31
FOOD LION LLC	157		HASTY PLYWOOD CO	3
FOUNTAIN POWER BOATS INC	4		HAYWOOD COUNTY LOCAL GOV	1
FOUR SEASONS MGMT SVCS INC	2		HAYWOOD REGIONAL MEDICAL CNTR	6
FOUR SEASONS MNGMT SVCS INC	6		HD CAPITAL CENTER LLC	1
FRANKLIN BAKING COMPANY LLC	7		HERAEUS QUARTZTECH AMERICA LLC	1
FRANKLIN COUNTY SCHOOLS	5		HIGHWOODS JOINT VENTURE	1
FRESH BUY INC	1		HIGHWOODS REALTY LP	28
FRONTIER SPINNING MILLS	1		HJH ASSOCIATES	1
FUJIFILM DIOSYNTH BIOTEC USA	2		HOME DEPOT USA INC	9
FURNITURE FAIR INC	3		HORNWOOD INC	3
GALE FORCE SPORTS & ENTERTAIN	13		HOUSE OF RAEFORD FARMS INC	9

Non-Participant	Non-Participating Accounts		Non-Participant	Non-Participating Accounts
HUGHES FURNITURE INDUSTRIE INC	1		LOWES FOODS LLC	27
HULSING HOTELS INC	14		LUMBERTON CELLULOSE LLC	4
IAC TROY LLC	1		M ADLER'S SON, INC	2
INGERSOLL-RAND	1		MACEDONIA BAPTIST CHURCH	1
INGLES MARKETS INC	35		MAGNETI MARELLI USA INC	4
INN ON BILTMORE ESTATE INC	1		MALLINCKRODT INC	13
INTERCONTINENT FUND 3 REG LLC	2		MANHATTEN AMERICAN	1
INTERNATIONAL BROADCAST BUREAU	1		MARTIN MARIETTA MATERIALS INC	62
INTERNATIONAL PAPER CO	7		MATTHEWS & MATTHEWS INC	1
INTERNATIONAL TRAY PADS & PKG	1		MCDOWELL LUMBER CO INC	11
INVISTA S A R L	1		MCGILL ENVIRONMENTAL SYS OF NC	1
J & D WOOD INC	3		MCMURRAY FABRICS INC	7
J & S WHOLESALE AND RENTAL LLC	1		MEASUREMENTS GROUP INC	4
J P TAYLOR COMPANY LLC	4		MEDIA GENERAL OPERATIONS INC	1
J&J SNACK FOODS HANDHELDS CORP	2		MEDICAL ACTION INDUSTRIES INC	1
JACKSONVILLE CITY OF	3		MEDICAL SPECIALTIES INC	1
JACOB HOLM IND AMERICA INC	1		MEMORIAL MISSION HOSPITAL INC	1
JOHN DEERE TURF CARE INC	2		MEREDITH COLLEGE	6
JOHN Q HAMMONS HOTELS INC	1		MERTEK SOLUTIONS INC	1
JOHNSTON CO BOARD OF EDUCATION	4		METAL & MATERIALS PROCSNG LLC	1
JOHNSTON CO PUBLIC UTILITIES	1		METAL-CAD & STEEL FRAMING	1
JOHNSTON MEM HOSPITAL AUTH	1		METCHEM, LLC	1
JORDAN LUMBER & SUPPLY INC.	14		METHODIST UNIVERSITY	38
JOVC FOOD CORP INC	1		METROPOLITAN SEWAGE DISTRICT	5
K MART CORP	9		MHG ASHEVILLE AL LP	1
KAYSER ROTH HOSIERY INC	3		MINE SAFETY APPL CO INC	1
KENNAMETAL INC	2		MISSION HEALTH SYSTEM INC	16
KENNEDY HOME EASTERN	1		MISSION ST JOSEPH HEALTH SYS	1
KIMLEY HORN & ASSOC INC	1		MISSION ST JOSEPH HOSPITAL	1
KLAUSSNER FURN IND INC	24		MITCHELL CO BD OF ED	2
KOOPMAN DAIRIES INC	2		MMIC-TL INC PARTNERS LLC	1
KORDSA INC	3		MOEN INC	3
KROGER COMPANY	9		MOORE COUNTY	3
LAKE JUNALUSKA ASSEMBLY INC	52		MOORE COUNTY SCHOOLS	17
LANCER INC	4		MOORE MACHINE COMPANY	5
LEE BRICK & TILE CO D/I/P	2		MOUNTAIN PRODUCTS BRIDGEWE LLC	1
LEE COUNTY COURT HOUSE	1		MOUNTAIRE FARMS INC	21
LEE IRON & METAL CO	3		MT OLIVE PICKLE CO	11
LENOVO INTERNATIONAL	2		MURPHY BROWN LLC	1
LIBERTY HEALTHCARE SERVICES	1		N C TELEVISION INC	1
LINCOLN HOMES HSING PROJ	1		NASH BRICK CO INC	2
LOCAL GOVERNMENT FED CREDIT UN	1		NASH COMMUNITY COLLEGE	8
LOUISE WELLS CAMERON ART MUSEU	4		NASH COUNTY	1
LOUISIANA PACIFIC CORP	1		NASH COUNTY MANAGERS OFFICE	1
LOWES COMPANIES INC	23		NASH ROCKY MOUNT BD OF ED	24

Non-Participant	Non-Participating Accounts	Non-Participant	Non-Participating Accounts
NATIONAL SPINNING CO	6	PFIZER INC	8
NATIONAL WIPER ALLIANCE INC	2	PFRS GLENWOOD PLAZA CORP	1
NATURES EARTH PELLETS INC LLC	1	PH HS LLC	1
NC DEPT OF ADMINISTRATION	1	PHOENIX LTD PARTNERSHIP	1
NC FARM BUREAU FEDERATION	1	PIEDMONT NATURAL GAS	1
NC STATE FAIRGROUNDS	1	PIEDMONT NATURAL GAS CO	1
NC STATE UNIVERSITY	99	PILGRIMS PRIDE CORPORATION	3
NC WILDLIFE COMMISSION	1	PILKINGTON	1
NEW HANOVER CO BD OF ED	17	PINEHURST LLC	88
NEW HANOVER REGIONAL MED CTR	7	PIONEER HI BRED INC	1
NEXANS INC	3	PLANTATION VILLAGE INC	11
NG PURVIS FARMS INC	3	PLASTEK IND INC (PA) NC	3
NICE BLENDS CORP	1	PLASTICARD PRODUCTS INC	1
NOMACO INC	3	POLYMER GROUP INC	3
NOMACORC LLC	3	PORT CITY COMMUNITY CHURCH	3
NORCRAFT COMPANIES LP	2	POWERBOSS INC	3
NORTH CAROLINA MFG CO INC	1	PRAXAIR INC	2
NOVARTIS VACCINES & DIAGNOSTIC	1	PRC NC LLC	2
NOVOZYMES NORTH AMERICA INC	6	PREMIERE FIBERS INC	4
NYPRO ASHEVILLE INC	1	PRESTAGE FARMS INC	36
OFFICE OF INFOR TECH SVCS	4	PRESTIGE FABRICATORS INC	3
OLDCASTLE LAWN & GARDEN INC	4	PRESTON TAYLOR FOOD INC	1
OLIVER RUBBER COMPANY	2	PRINTLOGIC LLC	1
OMNI GROVE PARK LLC	2	PRO PALLET SOUTH INC	1
ONSLOW CO BD OF COMM	1	PSNC ENERGY	1
ONSLOW CO BD OF EDUC	4	PUBLIC SCHOOLS OF ROBESON CO	1
ORACLE AMERICA, INC	2	QUALCOMM INC	1
ORTHOWILMINGTON PA	1	QUALITY TEXTILE SERVICES INC	1
P G & C INC	2	RAEFORD CITY OF	1
PARADIGM ANALYTICAL	1	RAILROAD FRICTION PRODUCT CORP	3
PARK N SHOP FOOD MART INC	3	RALEIGH CITY OF	6
PARK PLACE 16 CINEMAS	1	RALEIGH FITNESS & WELLNESS	1
PARKDALE AMERICA LLC	2	RALEIGH HOTEL OWNER LLC	1
PARRISH & RONE INC	1	RALEIGH HOUSING AUTHORITY	2
PCS PHOSPHATE CO INC	1	RAVEN ANTENNA SYSTEMS INC	1
PENDER MEMORIAL HOSPITAL INC	6	RDU AIRPORT AUTHORITY	8
PENTAIR WATER POOL AND SPA INC	10	REDDY ICE CORP	1
PEPSI BOTTLING VENTURES LLC	1	REGENCY PARK CORPORATION INC	2
PEPSI COLA BOTTLING CO	1	REGENCY PARK OFFICE DEV LLC	1
PEPSI COLA OF WILMINGTON	2	REGENCY PARKWAY CORP	1
PERDUE FARMS INC	23	RESINART EAST INC	1
PERFORMANCE FIBERS INC	4	REVLON CONSUMER PRODUCTS CORP	3
PERGO LLC	4	REX HEALTH CARE INC	17
PERSON CO BD OF ED	2	REX MOB PARTNERS LLC	1
PETROLEUM TANK CO	2	RICHMOND COUNTY	1

Non-Participant	Non-Participating Accounts	Non-Participant	Non-Participating Accounts
RICHMOND COUNTY BOARD OF COMM	2	SOUTHERN STATES CHEMICAL INC	3
RICHMOND COUNTY SCHOOLS	1	SPANSET INC	1
RICHMOND SPECIALTY YARNS LLC	2	SPUNTECH INDUSTRIES INC	1
RIDGECREST CONFERENCE CENTER	50	SPX FLOW TECHNOLOGY SYSTEMS	1
ROBESON COUNTY DSS	1	ST ANDREWS PRESBYTERIAN COLL	1
ROCKINGHAM CITY OF	1	STAN JOHNSON & ASSOCIATES LLC	2
RODECO CO	2	STANADYNE INC	2
ROSTRA PRECISION CT INC	2	STARPET INC	5
ROYAL TEXTILE MILLS INC	1	STATIC CONTROL COMP INC	14
RUBY'S PROPERTIES II LLC	1	STEEL & PIPE CORP	2
S B SMITH & SON INC	1	STEVEN ROBERTS ORIGINAL	1
S T WOOTEN CORPORATION	17	STI POLYMER INC	1
SAINT GOBAIN CONTAINERS	4	SUN LIFE ASSURANCE CO OF CANAD	1
SAMPSON REGIONAL MEDICAL CTR	3	SUNBRIDGE REGENCY NC INC	2
SANDHILLS COMM COLLEGE	12	SUNRISE OF RALEIGH INC	1
SANDHILLS REGIONAL MEDICAL CTR	2	SUNRISE SENIOR LIVING	1
SANFORD LEE CO BD OF ED	17	SUPERIOR MODULAR PRODUCT INC	1
SANFORD MILLING CO	2	SUPERIOR PLASTICS EXTRUSION	1
SAPONA MFG CO INC	2	SUPERTEX, INC	4
SAS INSTITUTE INC	39	SURGERY CENTER OF PINEHURST	1
SAVER GROUP INC	1	SURTRONICS	2
SCOTLAND CO BD OF ED	4	SYRACUSE PLASTIC OF NC INC	1
SCOTLAND CONTAINER INC	2	TARGET STORES	18
SCOTLAND MANUFACTURING	1	THE BILTMORE COMPANY	2
SEALED AIR CORP	4	THE CHEESECAKE FACTORY	1
SEARS ROEBUCK & CO	5	THE COUNTRY CLUB OF NC INC	1
SENTRY FURNITURE LLC	1	THE HARRELSON BUILDING INC	1
SEPARATION TECHNOLOGIES LLC	2	THE QUARTZ CORP USA	17
SILER CITY TOWN OF	2	THEO DAVIS SONS INC	1
SILVER LINE PLASTICS CORP	11	THIRD & GRACE LLC	2
SINCLAIR BROADCAST GROUP INC	1	TIPPER TIE INC	3
SKYLAND BEER DIST	3	TOP TOBACCO L P	2
SMITH S B & SON INC	3	TOWN SQUARE WEST LLC	8
SMITHFIELD PACKING CO INC	4	TRAM LUMBER LLC	3
SNUG HARBOR MANAGEMENT LLC	1	TRAMWAY VENEERS INC	1
SONA BLW PRECISION FORGE INC	3	TRANS CAROLINA PRODUCTS LLC	1
SONOCO PRODUCTS CO	1	TREEHOUSE FOODS INC	6
SOUTHCO INC OF NC	1	TRIANGLE AQUATIC CENTER	1
SOUTHEASTERN CONTAINER INC	1	TRIANGLE BRICK CO	6
SOUTHEASTERN REGIONAL MED CTR	4	TRIANGLE TOWN CENTER, LLC	10
SOUTHERN BAG CORP	2	TRINITY MANUFACTURING INC	5
SOUTHERN FABRICATORS INC	4	TROY LUMBER CO	13
SOUTHERN PINES TOWN OF	1	TROY POLYMER INC	1
SOUTHERN PRODUCE DIST INC	8	TURN BULL LUMBER COMPANY	1
SOUTHERN PRODUCTS & SILICA CO	3	TYCO ELECTRONICS	1

Non-Participant	Non-Participating Accounts		Non-Participant	Non-Participating Accounts
TYSON FOODS INC	3		WAYNE COMMUNITY COLLEGE	1
U S REIF 4700 FALLS NC LLC	1		WAYNE COUNTY	5
UCHIYAMA AMERICA INC	3		WAYNE MEMORIAL HOSPITAL INC	11
UMICORE AUTOCATALYST RECYCLING	1		WAYNESVILLE TOWN OF	1
UMICORE USA INC	1		WELLS FARGO BANK NA	2
UNC AT ASHEVILLE	1		WELSH PAPER COMPANY	1
UNC INSTITUTE OF MARINE SCI	3		WEST CRAVEN HIGH SCHOOL	3
UNC PUBLIC TV OF NC	1		WEST CRAVEN MIDDLE SCHOOL	1
UNCW	7		WEST FRASER INC	5
UNILEVER MANUFACTURING US INC	7		WESTFIELD INDEPENDENCE MALL LP	7
UNILIN US MDF	3		WEYERHAEUSER CO	7
UNIMIN CORPORATION	47		WHOLE FOODS MARKET GROUP INC	1
UNISON ENGINE COMPONENTS INC	4		WILLIAM BARNET & SON INC	5
UNITED STATES COLD STORAGE INC	5		WILLIAMS PROPERTY GROUP INC	1
UNIVERSAL HEALTHCARE N RALEIGH	1		WILMINGTON HOTEL ASSOC CORP	2
UNIVERSAL LEAF NORTH AMERICA	2		WILMINGTON ICE VENTURES LLC	1
UNIVERSITY OF NC AT PEMBROKE	15		WILMINGTON INTL AIRPORT	2
UNIVERSITY RESEARCH UNIT	1		WILMINGTON MACHINERY INC	1
US ARMY FORT BRAGG	3		WILSONART INTERNATIONAL	3
US DEPT OF AIR FORCE	1		WINDSTREAM HOSTED SOLUTION LLC	3
US FLUE CURED TOBACCO GROWERS	1		WLT MATTHEWS INC	1
US MARINE CORP	1		WRDC LLC	1
US MARINE CORPS	1		WRIGHT MACHINE & TOOL CO INC	1
US POST OFFICE	2		WYNDHAM V DENNISON	1
US VETERANS ADMIN HOSPITAL	3		YALE INDUSTRIAL PRODUCTS INC	1
USS NC BATTLESHIP COMM	2		YMCA OF WESTERN NORTH CAROLINA	2
UWHARRIE LUMBER CO	3		YMCA OF WILMINGTON INC	3
VALLEY PROTEINS INC	11			
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	2			
WAKE COUNTY BOARD OF EDUCATION	226			
WAKE COUNTY GENERAL SERVICES	13			
WAKE STONE CORP	17			
WAKEMED PROPERTY SERVICES	13			
WAL MART PDC #6091	4			
WALMART STORES INC	57			
WARP TECHNOLOGIES INC	1			
WARREN CO BD OF ED	5			
WASTE MANAGEMENT INC	1			
WAYNE CO PUBLIC SCHOOLS	1			

Appendix B: Program Participants Changing Opt-Out Status

This data pertains to North Carolina accounts from April 1, 2014 through December 31, 2014. Data from January 1, 2014 through March 31, 2014 was filed June 18, 2014 in DEP Exhibit No. 1 in Docket No. E-2, Sub 1044.

Participants
Belk Inc.
Best Buy Stores LP
Brooks Brothers Group Inc.
Carolina Growler Inc.
City of Asheboro
Food Lion
Lee Iron & Metal Co
Lowes Foods LLC
Moore County Schools
Smith S B & Sons Inc.
Wake County Hosp System Inc. (Wake Med)

Appendix C: Allocation Factors

Allocation Factors Applicable to Test Period:

Program / Measure (August 2014 to December 2014)	North Carolina
Demand-Side Management (DSM)	
CIG DR	85.68%
EnergyWise™	85.68%
Energy Efficiency Programs (EE)	
DSDR Implementation	85.57%
Res Home Advantage	85.57%
Res Home Energy Improve.	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%
Res Appliance Recycling	85.57%
Residential EE Benchmarking	85.57%
Small Business Energy Saver	85.57%
Residential New Construction	85.57%

Appendix C – Continued

Allocation Factors Applicable to the Rate Period:

Program / Measure - (January 2016 through December 2016)	North Carolina
Demand-Side Management (DSM)	
CIG DR	86.23%
EnergyWise SM	86.23%
Energy Efficiency Programs (EE)	
DSDR Implementation	85.15%
Residential Home Advantage	85.15%
Residential Home Energy Improvement	85.15%
Residential Low Income-NES	85.15%
CIG Energy Efficiency	85.15%
Solar Hot Water Heating Pilot	85.15%
Lighting (Residential)	85.15%
Lighting (General Service)	85.15%
Residential Appliance Recycling	85.15%
Residential EE Benchmarking	85.15%
Small Business Energy Saver	85.15%
Residential New Construction	85.15%

Appendix D: Savings By Measure

Incremental Test Period Activity (January 1, 2014 through December 31, 2014)

	No. of Premises	kWh Savings	kW Savings
EnergyWise™			
AC Direct Load Control	18,247	NA	36,343
HP Strip Heater Direct Load Control	502	NA	955
Water Heater Direct Load Control	706	NA	283
EnergyWise™ Total	19,455	NA	37,581
CIG Demand Response	5	NA	5,015
L Amounts reflect contracted values.			
Residential New Construction	2,685	4,331,696	1,810
Residential Home Energy Improvement			
ASHP HVAC Replacement	4,766	1,662,923	1,718
Furnace/AC HVAC Replacement	1,757	424,570	639
Geothermal HVAC Replacement	50	88,027	35
Duct Testing/Repair	2,613	534,472	395
HVAC Level 1 Tune Up	-	-	-
Insulation/Air Sealing	782	251,597	117
Window Replacement	-	-	-
Room Air Conditioner	240	29,110	24
Heat Pump Water Heater	95	224,742	39
HVAC Level 2 Tune Up	2,605	188,025	162
Residential HEIP Total	12,908	3,403,466	3,129
L Amounts reflect net M&V based values.			
Residential Low Income - NES	4,184	1,596,494	198
L Amounts reflect net M&V based values.			
Residential Lighting Program	6,632,107	194,137,998	30,559
* Values expressed as installed bulbs			
Residential Appliance Recycling	8,438	4,868,222	574
Residential Energy Efficiency Benchmark	42,928	15,402,566	2,683
CIG Energy Efficiency			
Prescriptive Lighting	751	48,833,576	13,639
Prescriptive HVAC	92	952,178	450
Prescriptive Motor	-	-	-
Prescriptive Refrigeration	28	407,962	29
Custom Measure	94	3,295,457	459
Technical Assistance	6	NA	NA
CIG Energy Efficiency Total	971	53,489,173	14,577
L Amounts reflect net M&V based values.			
Small Business Energy Saver			
CFL - Screw In			
High Performance T5/T8			
LED - Exit Sign			
LED - Hardwired			
LED - Screw In			
Metal Halide			
T5/T8 Fixture			
¹ Lighting 8760	367	2,768,280	411
¹ Lighting Daylighting	1,709	26,306,614	9,025
¹ Lighting DusktoDawn	28	234,241	63
¹ Refrigeration	86	1,829,933	215
Small Business Energy Saver Total	2,190	31,139,068	9,714
¹ Record reclassification 4Q			
Residential Home Advantage (inactive)	-	-	-
L Amounts reflect net M&V based values.			
Residential Solar Water Heating Pilot (in	-	-	-
Residential CFL Pilot Program (inactive)	-	-	-
L Amounts reflect final net, post M&V, values.			
Summary Totals	6,725,871	308,368,683	105,840

Savings are Year-To-Date as of 12/31/14

Appendix E: Total Resource Cost Evaluation Results

Vintage Year 2013 (Calendar year 2013 - Actual)

	TRC B/C Ratio
CIG- Demand Response Program	46.8
EnergyWise SM	37.5
Residential Home Energy Improvement	0.8
Lighting Program (Residential)	4.4
Lighting Program (General Service)	8.8
Residential Appliance Recycling	2.4
Energy Efficiency for Business	2.6
Residential Benchmarking Program	1.6
Residential New Construction	0.8
Small Business Energy Saver	1.7
Residential Low Income	1.2

Vintage Year 2014 (Calendar year 2014 - Actual)

	TRC B/C Ratio
CIG-Demand Response Program	72.5
EnergyWise SM	35.4
Residential Home Energy Improvement	0.8
Lighting Program (Residential)	4.0
Lighting Program (General Service)	7.2
Residential Appliance Recycling	4.0
Energy Efficiency for Business	2.2
Residential Benchmarking Program	6.1
Residential New Construction Program	1.2
Small Business Energy Saver	1.7
Residential Low Income	1.4

Appendix E: Continued

Vintage Year 2015 (Calendar year 2015 - Actual)

	TRC B/C Ratio
CIG-Demand Response Program	243.9
EnergyWise SM	68.0
Residential Home Energy Improvement Lighting Program	1.1 3.5
Residential Appliance Recycling	3.0
Energy Efficiency for Business	2.3
Residential New Construction Program	1.7
Small Business Energy Saver	1.8
K-12 Energy Education Program	1.4
My Home Energy Report (MyHER) Program	1.5
Multi-Family Program	4.0
Residential Low Income	1.6

Appendix F: Work Papers

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Jun 17 2015

Duke Energy Progress, Inc.

Demand Side Management and Energy Efficiency Programs Work Papers

Docket No. E-2, Sub 1070

June 17, 2015

Work Papers

Section A – Cost Summary & Rate Development (Exhibits)

North Carolina Retail - DSM/EE Revenue Requirements Summary

North Carolina Retail - DSM/EE Revenue Requirements Summary

A. Test Period

August 2014 through December 2014

NC DSM Program Expenses

1	CIG DR	Per Books	857,221			857,221	85,722	-	219,288				-	-	305,010	-	75,727	380,737
2	EnergyWise	Per Books	2,998,365			2,998,365	299,837	-	1,834,477				-	-	2,134,314	-	1,456,110	3,590,424
3	Total DSM	Σ Lines 1 thru 2	3,855,586			3,855,586	385,559	-	2,053,765				-	-	2,439,324	-	1,531,837	3,971,161
4	DSM Assigned A&G and CCost	Per Books		381,370		381,370		127,123	172,456				680,666	307,668	1,287,913			1,287,913
5	Total DSM and Assigned Costs	Σ Lines 3 thru 4	3,855,586		381,370	4,236,956	385,559	127,123	2,226,221				680,666	307,668	3,727,237	-	1,531,837	5,259,074

NC EE Program Expenses

6	Res Home Advantage	Per Books	-			-	-	172,997					-	-	172,997	1,890	73,532	248,418
7	Res Home Energy Improvem't	Per Books	1,736,259			1,736,259	173,626	1,119,891					-	-	1,293,517	158,634	129,628	1,581,779
8	Residential Low Income	Per Books	644,290			644,290	64,429	336,523					-	-	400,952	45,716		446,668
9	Solar Hot Water Pilot	Per Books				-	-	16,393					-	-	16,393			16,393
10	Lighting (Res)*	Per Books (allocated)	8,164,467			8,164,467	1,632,893	2,298,408					-	-	3,931,301	4,704,879	1,624,407	10,260,587
11	Res Appliance Recycling	Per Books	627,427			627,427	62,743	199,067					-	-	261,810	155,371	65,900	483,081
12	EE Benchmarking *	Per Books	(55,087)			(55,087)	(55,087)	-					-	-	(55,087)	956,281	97,990	999,184
13	Residential New Construction	Per Books	3,128,244			3,128,244	312,824	192,323					-	-	505,147	165,161	24,724	695,032
14	Home Depot CFL	Per Books	-			-	-	14,172					-	-	14,172			14,172
15	Subtotal-Residential	Σ Lines 6 thru 14	14,245,600			14,245,600	2,191,428	-	4,349,774				-	-	6,541,202	6,187,932	2,016,180	14,745,315
16	CIG Energy Efficiency	Per Books	2,822,947			2,822,947	282,295	1,409,846					-	-	1,692,141	2,080,315	1,615,484	5,387,940
17	Lighting (Gen Svc)*	Per Books (allocated)	991,602			991,602	198,320	263,475					-	-	461,795	1,852,756	413,222	2,727,773
18	Small Business Energy Saver	Per Books	5,139,458			5,139,458	513,946	274,098					-	-	788,044	1,024,959	241,342	2,054,344
19	Subtotal-General Service	Σ Lines 16 thru 18	8,954,007			8,954,007	994,561	-	1,947,419				-	-	2,941,980	4,958,030	2,270,047	10,170,057

20	Total of EE Programs	Lines 15 + 19	23,199,607			23,199,607	3,185,989	-	6,297,193				-	-	9,483,182	11,145,963	4,286,227	24,915,372
21	EE Assigned A&G and CCost	Per Books	-	1,359,891		1,359,891		453,297	534,460				1,701,034	768,884	3,457,675			3,457,675
22	Total EE and Assigned Costs	Lines 20 + 21	23,199,607	1,359,891		24,559,498	3,185,989	453,297	6,831,653				1,701,034	768,884	12,940,857	11,145,963	4,286,227	28,373,047

NC DSDR Program Expenses

23	DSDR Program	Per Books	2,007,116	377,924		2,385,040	238,504	-	1,300,843	3,454,806	1,561,607	248,747	4,573,087		11,377,594	-	11,377,594		
24	DSDR Assigned A&G and CCost	Per Books			-	-		-	-	-	-	-	-	416,001	188,037	604,038	604,038		
25	Total DSDR and Assigned Costs	Σ Lines 23 thru 24	2,007,116	377,924	-	2,385,040	238,504	-	1,300,843	3,454,806	1,561,607	248,747	4,573,087	416,001	188,037	11,981,632	-	-	11,981,632
26	Test Period Totals	Lines 5 + 22 + 25	29,062,309	377,924	1,741,261	31,181,494	3,810,052	580,420	10,358,717	3,454,806	1,561,607	248,747	4,573,087	2,797,701	1,264,589	28,649,726	11,145,963	5,818,064	45,613,753

* 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

E. Rate Period

December 2014 through November 2015

NC DSM Program Expenses

1	CIG DR	Per Forecast	3,017,798		-	3,017,798	1,005,933	-	747,230		-	-	1,753,163	-	1,543,361	3,296,525
2	EnergyWise	Per Forecast	10,658,914		-	10,658,914	1,065,891	-	5,448,231		-	-	6,514,122	-	4,040,152	10,554,274
3	Total DSM	Σ Lines 1 thru 2	13,676,712		-	13,676,712	2,071,824	-	6,195,461		-	-	8,267,285	-	5,583,514	13,850,799
4	DSM Assigned A&G and CCost	Per Forecast		755,354	755,354		251,785	495,323			2,055,434	907,748	3,710,290			3,710,290
5	Total DSM and Assigned Costs	Σ Lines 3 thru 4	13,676,712		755,354	14,432,066	2,071,824	251,785	6,690,784		2,055,434	907,748	11,977,575	-	5,583,514	17,561,089

NC EE Program Expenses

6	Res Home Advantage	Per Forecast	-		-	-	-	415,195		-	-	-	415,195		176,476	591,671
7	Res Home Energy Improvem't	Per Forecast	2,565,304		-	2,565,304	256,530	3,099,352		-	-	-	3,355,882	451,389	366,913	4,174,185
8	Residential Low Income	Per Forecast	1,447,025		-	1,447,025	144,703	982,786		-	-	-	1,127,489	262,513		1,390,002
9	Solar Hot Water Pilot	Per Forecast	-		-	-	-	39,343		-	-	-	39,343			39,343
10	Lighting (Res)*	Per Forecast (allocated)	7,387,712		-	7,387,712	1,477,542	7,133,804		-	-	-	8,611,346	13,398,666	4,008,152	26,018,164
11	Res Appliance Recycling	Per Forecast	886,483		-	886,483	88,648	608,279		-	-	-	696,927	656,219	161,247	1,514,392
12	My Home Energy Report*	Per Forecast	5,242,423		-	5,242,423	5,242,423	-		-	-	-	5,242,423	5,649,333	328,115	11,219,871
13	Residential New Construction	Per Forecast	10,752,325		-	10,752,325	1,075,233	1,363,781		-	-	-	2,439,014	883,790	195,146	3,517,950
14	Multi-Family Energy Efficiency	Per Forecast	1,637,074		-	1,637,074	327,415	314,561		-	-	-	641,976	921,779	77,927	1,641,682
15	EE Education	Per Forecast	788,734		-	788,734	157,747	108,144		-	-	-	265,891	153,949		419,840
16	Home Depot CFL	Per Forecast	-		-	-	-	34,012		-	-	-	34,012	-	-	34,012
17	Subtotal-Residential	Σ Lines 6 thru 16	30,707,080		-	30,707,080	8,770,241	14,099,257		-	-	-	22,869,498	22,377,638	5,313,976	50,561,112
18	CIG Energy Efficiency	Per Forecast	6,738,859		-	6,738,859	2,246,286	4,097,002		-	-	-	6,343,288	7,656,350	5,290,261	19,289,898
19	Lighting (General Service)*	Per Forecast (allocated)	897,263		-	897,263	179,453	854,549		-	-	-	1,034,002	5,193,680	864,700	7,092,382
20	Small Business Energy Saver	Per Forecast	8,239,285		-	8,239,285	2,746,428	1,834,767		-	-	-	4,581,195	4,409,785	1,377,197	10,368,177
	Subtotal-General Service	Σ Lines 18 thru 20	15,875,407		-	15,875,407	5,172,167	6,786,318		-	-	-	11,958,485	17,259,814	7,532,157	36,750,457

21	Total of EE Programs	Σ Lines 6 thru 16	46,582,487		-	46,582,487	13,942,408	20,885,575		-	-	-	34,827,983	39,637,452	12,846,134	87,311,569
22	EE Assigned A&G and CCost	Per Forecast		2,323,635	2,323,635		774,545	1,594,045		5,676,773	2,507,050	10,552,413				10,552,413
23	Total EE and Assigned Costs	Lines 21 + 22	46,582,487	2,323,635	48,906,122	13,942,408	774,545	22,479,620		5,676,773	2,507,050	45,380,396	39,637,452	12,846,134		97,863,982

NC DSDR Program Expenses

24	DSDR Program	Per Forecast	5,672,026	832,410	-	6,504,436	650,444	-	3,764,881	7,426,829	3,279,933	614,399	11,543,880	27,280,366	-	-	27,280,366
25	DSDR Assigned A&G and CCost	Per Forecast	-	-	-	-	-	-	-	-	-	-	1,142,588	504,604	1,647,192	1,647,192	
26	Total DSDR and Assigned Costs	Σ Lines 24 thru 25	5,672,026	832,410	-	6,504,436	650,444	-	3,764,881	7,426,829	3,279,933	614,399	11,543,880	28,927,558	-	-	28,927,558

27	Rate Period Totals	Lines 5 + 23 + 26	65,931,225	832,410	3,078,989	69,842,624	16,664,676	1,026,330	32,935,285	7,426,829	3,279,933	614,399	11,543,880	8,874,795	3,919,402	86,285,529	39,637,452	18,429,648	144,352,629
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*All Non-Residential programs are amortized over a 3 year period. The Residential Lighting Program is recoverable over a 5 year period. My Home Energy Report is recoverable over a 1 year period. All other Residential EE programs are recoverable over 10 years.

W/P D-2

W/P D-1

Miller Direct
Exhibit No. 2
Page 1 of 1

DUKE ENERGY PROGRESS, INC.

Annual Sales for NC Customers Opting-Out for DSM/EE Rate¹
Annual Sales for the Year Ended December 31, 2014

Rate Class	Opt-Out KWHs
Residential	-
General Service	10,823,697,100
Lighting	14,836,085
Total Opt-Out Sales	10,838,533,185

¹ Actual Opt-Out volumes for the twelve-months ending December 31, 2014.

Miller Direct
Exhibit No. 3
Page 1 of 1

DUKE ENERGY PROGRESS, INC.

Energy Allocation Factors - Applicable to EE Program Costs

North Carolina Rate Class Energy Allocation Factors

Rate Class	Total NC Rate Class Sales (MWhrs) ⁽¹⁾	Opt-Out Sales ⁽²⁾	Adjusted NC Rate Class MWhr Sales	Rate Class Energy Allocation Factor
	(1)	(2)	(3) = (1) - (2)	(4) = (3) / NC Total in Column 3
Residential	15,715,976	-	15,715,976	58.945%
General Service	21,290,713	10,823,697	10,467,016	39.258%
Lighting	493,975	14,836	479,139	1.797%
NC Retail	37,500,664	10,838,533	26,662,131	100.000%

W/P R-3

NOTES:

- (1) Total NC Rate Class Sales (MWhrs) are for the forecasted year ending December 2016.
 (2) Opt-Out sales are provided in Miller Direct 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.

Miller Direct
Exhibit No. 4
Page 1 of 1

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 ⁽¹⁾	Sales Subject to Opt-Out ⁽²⁾	Rate Class Demand ⁽³⁾	Revised Rate Class Demand ⁽⁴⁾ = ((1 - 2) / 1) * 3	Rate Class Allocation Factor ⁽⁵⁾ = (4)/Total of Column 4
	(1)	(2)	(3)		
Residential	15,715,976	-	3,243,770	3,243,770	61.931%
General Service	21,290,713	10,823,697	4,055,813	1,993,933	38.069%
Lighting	493,975	14,836	0	0	0.000%
NC Retail	37,500,664	10,838,533	7,299,582	5,237,703	100.000%
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid blue; border-radius: 50%; padding: 5px 20px;">W/P R-3</div> <div style="border: 1px solid blue; border-radius: 50%; padding: 5px 20px;">W/P B-5B</div> </div>					

NOTES:

- (1) Total NC Rate Class Sales (MWHrs) are for the forecasted year ended December 2016.
- (2) Opt-Out sales are provided in Miller Direct 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.
- (3) The Coincident Peak ("CP") demands are based on the 2014 CP occurring on September 2 during the hour ended at 1500 EDT.

DUKE ENERGY PROGRESS, INC.

Energy Efficiency Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales ⁽¹⁾	Rate Class Energy Allocation Factor ⁽²⁾	EE Revenue Requirements						
			Residential Programs ⁽³⁾	CIG Programs ⁽⁴⁾	DSDR ⁽⁵⁾	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾	DSDR Allocated A&G and Carrying Costs ⁽⁷⁾	Total of Allocated Costs (8) = Σ (3 thru 7)	Total EE Rate (9) = (8) / (1)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Residential	15,715,975,740	58.94%	\$ 50,561,112	\$ -	\$ 16,080,394	\$ 6,929,152	\$ 970,936	\$ 74,541,595	\$0.004743
General Service	10,467,016,100	39.26%	\$ -	\$ 36,750,457	\$ 10,709,723	\$ 3,623,261	\$ 646,654	\$ 51,730,095	\$0.004942
Lighting	479,138,946	1.80%	\$ -	\$ -	\$ 490,249	\$ -	\$ 29,601	\$ 519,850	\$0.001085
NC Retail	26,662,130,785	100%	\$ 50,561,112	\$ 36,750,457	\$ 27,280,366	\$ 10,552,413	\$ 1,647,192	\$ 126,791,540	\$0.004755

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Direct Exhibit No. 3, column (3).
- (2) Rate Class Energy Allocation Factor is derived in Miller Direct Exhibit No. 3, column (4).
- (3) Residential Program costs are allocated solely to the Residential Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (4) CIG EE, Lighting, and Small Business Energy Saver costs are allocated solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
- (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 the Rate Class Energy Allocation Factor from column (2).

DUKE ENERGY PROGRESS, INC.

Demand Side Management Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	DSM Revenue Requirements					
			EnergyWise Program Costs ⁽³⁾	CIG DR Program ⁽⁴⁾	Allocated A&G Costs ⁽⁵⁾	Allocated Carrying Costs ⁽⁵⁾	Total of Allocated Costs	Total DSM Rate
	(1)	(2)	(3)	(4)	(5)	(6)	(7) = Σ (3 thru 6)	(8) = (7) / (1)
Residential	15,715,975,740	61.93%	\$10,554,274	\$ -	\$ 588,676	\$ 2,334,809	\$ 13,477,759	\$0.000858
General Service	10,467,016,100	38.07%	\$ -	\$ 3,296,525	\$ 158,432	\$ 628,373	\$ 4,083,330	\$0.000390
Lighting	479,138,946	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.000000
NC Retail	26,662,130,785	100.00%	\$10,554,274	\$ 3,296,525	\$ 747,108	\$ 2,963,182	\$ 17,561,089	\$0.000659

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Direct Exhibit No. 3, column (3).
(2) Rate Class Demand Allocation Factor is derived in Miller Direct 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 1/20/15.
(4) CIG DR Program costs are directly assigned solely to the General Service Class in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(5) A&G and Carrying Costs are allocated on the basis of revenue requirements (excluding incentives).

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 ¹ <i>Amounts from Schedule WP R-2</i>	\$ 3,541,152	\$ 6,423,744	\$ 8,785,793	\$ 18,750,688	\$ 409,979	\$ 4,636,195	\$ 5,319,382	\$ 10,365,556	\$ -	\$ 181,388	\$ -	\$ 181,388	\$ 3,951,131	\$ 11,241,327	\$ 14,105,175	\$ 29,297,632
2	Less: Uncollectible Allowance in Rates ² <i>Amounts from WP B-9</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	Over or (Under) collection of Uncollectibles ³ <i>Amounts from WP B-6</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	Overcollection of DSM A&G Amortization ⁴ <i>Amounts from E-2 Sub 1044</i>	166,758			166,758	77,544			77,544				-	244,302	-	-	244,302
5	Overcollection of EE A&G Amortization ⁵ <i>Amounts from E-2 Sub 1044</i>			283,353	283,353			164,970	164,970			7,207	7,207	-	-	455,530	455,530
6	Undercollection of CIG EE PPI ⁶ <i>Amounts from WP D-5B</i>				-			(89,938)	(89,938)			-	-	-	-	(89,938)	(89,938)
7	Undercollection of Small Business DI PPI ⁷ <i>Amounts from WP D-5B</i>				-			(143,131)	(143,131)			-	-	-	-	(143,131)	(143,131)
8	Undercollection of Residential Benchmarking PPI ⁸ <i>Amounts from WP D-5B</i>			(1,113)	(1,113)				-			-	-	-	-	(1,113)	(1,113)
9	Overcollection of Appliance Recycling PPI ⁹ <i>Amounts from WP D-5B</i>			8,172	8,172				-			-	-	-	-	8,172	8,172
10	Undercollection of Lighting Program Gen Svc PPI ¹⁰ <i>Amounts from WP D-5B</i>				-			(14,945)	(14,945)			-	-	-	-	(14,945)	(14,945)
11	Overcollection of Lighting Program Residential PPI ¹¹ <i>Amounts from WP D-5B</i>			50,575	50,575			-	-			-	-	-	-	50,575	50,575
12	Interest on Overcollections ¹² <i>Amounts from WP B-10</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Net Adjustments to DSM/EE EMF Clause <i>Σ Lines 1 through 12</i>	\$ 3,707,910	\$ 6,423,744	\$ 9,126,779	\$ 19,258,433	\$ 487,523	\$ 4,636,195	\$ 5,236,339	\$ 10,360,056	\$ -	\$ 181,388	\$ 7,207	\$ 188,595	\$ 4,195,433	\$ 11,241,327	\$ 14,370,325	\$ 29,807,084
		<i>To Exhibit 9</i>				<i>To Exhibit 9</i>				<i>To Exhibit 8</i>				<i>To Exhibit 9</i>		<i>To Exhibit 8</i>	
		\$15,550,523				\$9,872,533										\$25,611,652	
		<i>To Exhibit 8</i>				<i>To Exhibit 8</i>										<i>To Exhibit 8</i>	

¹ Actual DSM/EE Rate billings for test period (*August 2014 through December 2014*) .
² The Company is not requesting an adjustment for uncollectibles in this proceeding.
³ The Company is not requesting an adjustment for uncollectibles in this proceeding.
⁴ Reflects correction of DSM A&G Amortization costs submitted in Rider E-2 Sub 1044
⁵ Reflects correction of EE A&G Amortization costs submitted in Rider E-2 Sub 1044
⁶ Reflects Vintage 2013 CIG EE Program PPI true-up.
⁷ Reflects Vintage 2013 Small Business Direct Install PPI true-up.
⁸ Reflects Vintage 2013 Residential Benchmarking PPI true-up
⁹ Reflects Vintage 2013 Appliance Recycling PPI true-up.
¹⁰ Reflects Vintage 2013 Lighting Program Gen Svc PPI true-up
¹¹ Reflects Vintage 2013 Lighting Program Residential PPI true-up
¹² Calculated interest obligation associated with test period (*August 1, 2014 through December 31, 2014*) .

DUKE ENERGY PROGRESS, INC.

Energy Efficiency Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales ⁽¹⁾	Rate Class Energy Allocation Factor ⁽²⁾	EE EMF Revenue Requirement								
			Residential Programs ⁽³⁾	CIG Programs ⁽⁴⁾	DSDR ⁽⁵⁾	Non-DSDR Allocated A&G and Carrying Costs ⁽⁶⁾	DSDR Allocated A&G and Carrying Costs ⁽⁵⁾	Total of Allocated Costs (8) = Σ (3 thru 7)	Less: Prior Period EE Rate Adjustment ⁽⁷⁾	Adjusted EE EMF Revenue Requirement (10)=(8)-(9)	Total EE EMF Rate (11) = (10) / (1)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Residential	15,715,975,740	58.94%	\$ 14,745,315	\$0	\$ 6,706,515	\$ 2,384,996	\$ 356,050	\$ 24,192,876	\$ 15,550,523	\$ 8,642,353	\$0.000550
General Service	10,467,016,100	39.26%	\$0	\$ 10,170,057	\$ 4,466,614	\$ 1,072,679	\$ 237,133	\$ 15,946,484	\$ 9,872,533	\$ 6,073,951	\$0.000580
Lighting	479,138,946	1.80%	\$0	\$0	\$ 204,464	\$ -	\$ 10,855	\$ 215,319	\$ 188,595	\$ 26,724	\$0.000056
NC Retail	26,662,130,785	100.00%	\$ 14,745,315	\$ 10,170,057	\$ 11,377,594	\$ 3,457,675	\$ 604,038	\$ 40,354,679	\$ 25,611,652	\$14,743,027	\$0.000553

NOTES:
(1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Miller Direct Exhibit No. 3, column (3).
(2) Rate Class Energy Allocation Factor is derived in Miller Direct Exhibit No. 3,column (4).
(3) Residential Program costs are allocated solely to the Residential rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(4) CIG Energy EE, Lighting, and Small Business Direct Energy Saver costs are allocated solely to the General Service rates in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(5) DSDR Costs allocated using the Rate Class Energy Allocation Factor from column (2) in compliance with Commission's Order in Docket No. E-2, Sub 931, dated 1/20/15.
(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 Miller Direct Exhibit No. 7.

DUKE ENERGY PROGRESS, INC.

Demand Side Management Experience Modification Factor Rate Derivation

NC Rate Class	Adjusted NC Rate Class kWhr Sales ⁽¹⁾	Rate Class Demand Allocation Factor ⁽²⁾	DSM EMF Revenue Requirement							
			EnergyWise Program Costs ⁽³⁾	CIG DR Program ⁽⁴⁾	Allocated A&G Costs ⁽⁵⁾	Allocated Carrying Costs ⁽⁵⁾	Total of Allocated Costs (7) = Σ (3 thru 6)	Less: Prior Period DSM Rate Adjustment ⁽⁶⁾	Adjusted DSM EMF Revenue Requirement (9)=(7)-(8)	Total DSM EMF Rate (10) = (9) / (1)
			(3)	(4)	(5)	(6)	(7) = Σ (3 thru 6)	(8)	(9)=(7)-(8)	(10) = (9) / (1)
Residential	15,715,975,740	61.93%	\$ 3,590,424	\$ -	\$ 262,120	\$ 864,754	\$ 4,717,298	\$ 3,707,910	\$ 1,009,388	\$0.000064
General Service	10,467,016,100	38.07%	\$ -	\$ 380,737	\$ 37,459	\$ 123,580	\$ 541,776	\$ 487,523	\$ 54,253	\$0.000005
Lighting	479,138,946	0.00%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.000000
NC Retail	26,662,130,785	100%	\$ 3,590,424	\$ 380,737	\$ 299,579	\$ 988,334	\$ 5,259,074	\$ 4,195,433	\$ 1,063,641	\$0.000040

NOTES:

- (1) Rate Class Sales, excluding "Opt-Out" sales, are derived in Millerl Direct Exhibit No. 3, column (3).
- (2) Rate Class Demand Allocation Factor is derived in Miller Direct 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 1/20/15.
- (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 1/20/15.
- (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 Miller Direct Exhibit No. 7.

DUKE ENERGY PROGRESS, INC.

DSM/EE Annual Rate & EMF - January 2016 through December 2016

All rates are shown in dollars per kWh

DSM/EE Adjustment Rate							
NC Rate Class	EE Rate (1)	DSM Rate (2)	DSM/EE Rate (3)	Reg Fee (4)	DSM/EE Rate w/ Gross-up (5)	Uncollectibles Adjustment (6)	DSM/EE Billing Rate (7)
Residential	\$ 0.004743	\$ 0.000858	\$ 0.00560	\$ 0.00001	\$ 0.00561	NA	\$ 0.00561
General Service (EE only)	\$ 0.004942		0.00494	0.00001	0.00495	NA	0.00495
General Service (DSM only)		0.000390	0.00039	-	0.00039	NA	0.00039
Lighting (EE only)	0.001085	-	0.00109	-	0.00109	NA	0.00109
NC Retail	\$ 0.004755	\$ 0.00068	\$ 0.00541	\$ 0.00001	\$ 0.00542	NA	\$ 0.00542
DSM/EE Experience Modification Factor (EMF)							
NC Rate Class	EE EMF Rate (8)	DSM EMF Rate (9)	DSM/EE EMF Rate (10)	Reg Fee (11)	DSM/EE EMF w/ Gross-up (12)	Uncollectibles Adjustment (13)	DSM/EE EMF Billing Rate (14)
Residential	\$ 0.000550	\$ 0.000064	\$ 0.00061	\$ -	\$ 0.00061	NA	\$ 0.00061
General Service (EE only)	\$ 0.000580		0.00058	-	0.00058	NA	0.00058
General Service (DSM only)		0.000005	0.00001	-	0.00001	NA	0.00001
Lighting (EE only)	0.000056	-	0.00006	-	0.00006	NA	0.00006
NC Retail	\$ 0.000553	\$ 0.000040	\$ 0.00036	\$ -	\$ 0.00036	NA	\$ 0.00036
Total Rate (DSM/EE Adjustment Rate and DSM/EE Experience Modification Factor)							
NC Rate Class	EE/DSM Billing Rate (15) = (7)	EE/DSM EMF Billing Rate (16) = (14)		Total Billing Rate (17) = (15) + (16)			
Residential	\$ 0.00561	\$ 0.00061		\$ 0.00622			
General Service (EE only)	\$ 0.00495	\$ 0.00058		\$ 0.00553			
General Service (DSM only)	0.00039	0.00001		0.00040			
Lighting (EE only)	0.00109	0.00006		0.00115			
NC Retail	\$ 0.00542	\$ 0.00036		\$ 0.00578			

NOTES: (Referenced by Column Number)

- (1) Total EE Rate is derived in Miller Direct Exhibit No. 5, column (9).
- (2) Total DSM Rate is derived in Miller Direct Exhibit No. 6, column (8).
- (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 0.135% 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 Miller Direct Exhibit No. 8, column (11).
- (9) Total DSM EMF is derived in Miller Direct 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 rate of .135% 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.

Work Papers

Section B – Allocation Factors & Interest Calculations

W/P B

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DUKE ENERGY PROGRESS, INC.
Allocation Factor Summary

					DSM		EE	
					NC	SC	NC	SC
A. Allocation Factors								
1	May-09	to	Apr-10	<i>Calendar 2008 Analysis</i> ¹	86.16%	13.84%	85.06%	14.94%
2	May-10	to	Apr-11	<i>Calendar 2009 Analysis</i> ²	85.89%	14.11%	85.41%	14.59%
3	May-11	to	Apr-12	<i>Calendar 2010 Analysis</i> ³	86.49%	13.51%	85.53%	14.47%
4	May-12	to	Apr-13	<i>Calendar 2011 Analysis</i> ⁴	86.63%	13.37%	85.92%	14.08%
5	May-13	to	Apr-14	<i>Calendar 2012 Analysis</i> ⁵	86.47%	13.53%	86.06%	13.94%
6	May-14	to	Apr-15	<i>Calendar 2013 Analysis</i> ⁶	85.68%	14.32%	85.57%	14.43%
7	May-15	to	Apr-16	<i>Calendar 2014 Analysis</i> ⁷	86.23%	13.77%	85.15%	14.85%
B. Custom Period Factors								
<i>Calendar Year 2010</i> ⁸								
8	Jan-10	to	Dec-10	<i>Line 1 x $\frac{1}{3}$ + Line 2 x $\frac{2}{3}$</i>	85.98%	14.02%	85.29%	14.71%
<i>Calendar Year 2011</i> ⁸								
9	Jan-11	to	Dec-11	<i>Line 2 x $\frac{1}{3}$ + Line 3 x $\frac{2}{3}$</i>	86.29%	13.71%	85.49%	14.51%
<i>Calendar Year 2012</i> ⁸								
10	Jan-12	to	Dec-12	<i>Line 3 x $\frac{1}{3}$ + Line 4 x $\frac{2}{3}$</i>	86.58%	13.42%	85.79%	14.21%
<i>Calendar Year 2013</i> ⁸								
11	Jan-13	to	Dec-13	<i>Line 4 x $\frac{1}{3}$ + Line 5 x $\frac{2}{3}$</i>	86.52%	13.48%	86.01%	13.99%
<i>Calendar Year 2014</i> ⁸								
12	Jan-14	to	Dec-14	<i>Line 5 x $\frac{1}{3}$ + Line 6 x $\frac{2}{3}$</i>	85.94%	14.06%	85.73%	14.27%
<i>Calendar Year 2015</i> ⁸								
13	Jan-15	to	Dec-15	<i>Line 6 x $\frac{1}{3}$ + Line 7 x $\frac{2}{3}$</i>	86.05%	13.95%	85.29%	14.71%
<i>Calendar Year 2016</i> ⁸								
14	Jan-16	to	Dec-16	<i>Line 7</i>	86.23%	13.77%	85.15%	14.85%

Notes:¹ Allocation Factors values from Docket No. E-2, Sub 951² Allocation Factors values from Docket No. E-2, Sub 977³ Allocation Factors values from Docket No. E-2, Sub 1002⁴ Allocation Factors values from Docket No. E-2, Sub 1019⁵ Allocation Factors values from Docket No. E-2, Sub 1030⁶ Allocation Factors values from Docket No. E-2, Sub 1044⁷ Allocation Factors values from W/P B-5A⁸ 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 2014 - North Carolina Retail

Rate Schedule	Summer CP Demand (KW) ¹	Rate Class	Summer CP Demand (KW)	NC Rate Class Ratio
(1)	(2)	(3)	(4)	(5)
NC RES	3,243,770	Residential	3,243,770	44.44%
NC SGS	467,014	Small General Service	467,844	6.41%
NC SGS (CLR)	3,347	Medium General Service	2,363,268	32.38%
NC SGT (MGS)	1,571,518	Large General Service	1,224,701	16.78%
NC MGS	763,115	Lighting	0	0.00%
NC SI	25,288			
NC LGS	196,765	NC Retail	7,299,582	100.00%
NC LGS-TOU	240,100			
NC LGS-RTP	787,836			
NC TSS	831	DSM/EE Rate Classes		
NC ALS	0	Residential	3,243,770	44.44%
NC SLS	0	General Service	4,055,813	55.56%
NC SFLS	0	Lighting	0	0.00%
NC Retail	7,299,582	NC Retail	7,299,582	100.00%

¹ Summer Coincident Peak values from W/P 5A

DUKE ENERGY PROGRESS, INC.
Energy & Summer Production Demand Allocation Factors
From Calendar 2014 Analysis

Rate Schedule (1)	Production Energy (kWh) (2)		Production ¹ Summer CP (KW) (3)	
NC RES	16,620,210,185		3,243,770	
NC SGS	1,940,327,840		467,014	
NC SGS (CLR)	28,965,022		3,347	
NC MGS TOU	8,638,484,237		1,571,518	
NC MGS	2,774,020,285		763,115	
NC SI	69,964,158		25,288	
NC LGS	1,200,748,390		196,765	
NC LGS-TOU	1,722,823,471		240,100	
NC LGS-RTP	5,729,637,216		787,836	
NC TSS	7,807,474		831	
NC ALS	339,033,158		-	
NC SLS	127,537,366		-	
NC SFLS	1,312,043		-	
Total NC	39,200,870,847	85.15%	7,299,582	86.23%
SC RES	2,362,097,668		438,883	
SC SGS	299,142,404		67,697	
SC SGS (CLR)	2,315,224		259	
SC MGS (TOU)	1,166,229,345		205,160	
SC MGS	564,524,446		140,213	
SC SI	20,363,908		2,889	
SC LGS	719,027,798		103,535	
SC LGS-TOU	215,100,277		23,251	
SC LGS-CRTL-TOU	718,188,849		95,541	
SC LGS-RTP	671,163,859		88,605	
SC TSS	899,161		96	
SC ALS	80,946,420		-	
SC SLS	18,976,714		-	
SC SFLS	173,248		-	
Total SC	6,839,149,321	14.85%	1,166,130	13.77%
Total System	46,040,020,168	100.00%	8,465,712	100.00%

¹ Based on Summer Coincident Peak event on September 2, 2014 during hour ending 3:00 PM.

DUKE ENERGY PROGRESS, INC.

Interest on DSM/EE Rate Overcollections

	Revenue Months	Sources	Residential	General Service	Lighting	Total
1	Aug-14	W/P R-2	\$ 3,824,278	\$ 2,101,646	\$ 36,217	\$ 5,962,142
2	Sep-14	W/P R-2	4,050,402	2,293,754	36,226	6,380,382
3	Oct-14	W/P R-2	2,934,241	2,034,585	37,273	5,006,099
4	Nov-14	W/P R-2	2,695,992	1,538,774	34,243	4,269,009
5	Dec-14	W/P R-2	5,245,776	2,396,797	37,428	7,680,001
6						
7	DSM/EE Billings	Σ Lines 1 thru 5	\$ 18,750,688	\$ 10,365,556	\$ 181,388	\$ 29,297,632
8						
9	Uncollectible Rate		N/A	N/A	N/A	\$ -
10	Uncollectibles	Line 7 x Line 9	N/A	N/A	N/A	\$ -
11						
12	Net Revenue	Line 7 - Line 10	\$ 18,750,688	\$ 10,365,556	\$ 181,388	\$ 29,297,632
13						
14	EMF Revenue Requirement					
15	EE	Exhibit 8 Col 8	24,168,152	15,946,484	215,319	40,329,955
16	DSM	Exhibit 9 Col 7	4,714,370	541,119	-	5,255,489
17	Adjustments	Exhibit 7 - Σ Lines 4 to 17	(509,297)	4,445	(7,207)	(512,059)
18	EMF Revenue Requirement	Lines 15 + 16 + 17	28,373,225	16,492,048	208,112	45,073,385
19						
20	Over (Under) Collection	Line 12 - Line 18	\$ (9,622,536)	\$ (6,126,492)	\$ (26,724)	\$ (15,775,752)
21						
22	Interest Months	Mid-Point Method ¹	21	21	21	
23	Annual Interest Rate		10%	10%	10%	
24						
25	Calculated Interest	Line 24xLine 23/12xLine 20	\$ (1,643,850)	\$ (1,046,609)	\$ (4,565)	\$ (2,695,024)
26						
27	Interest Impact on EMF	If Line 25 > 0, Line 25, Else 0	\$ -	\$ -	\$ -	\$ -
28						
29	DSM Revenue Percentage	WP R-2	18.9%	4.0%	0.0%	
30	DSDR Revenue Percentage	WP R-2	34.3%	44.7%	100.0%	
31	EE Revenue Percentage	WP R-2	46.9%	51.3%	0.0%	
32						
33	DSM Allocated Interest	Line 27 x Line 29	\$ -	\$ -	\$ -	\$ -
34	DSDR Allocated Interest	Line 27 x Line 30	-	-	-	-
35	EE Allocated Interest	Line 27 x Line 31	-	-	-	-
36	Totals	Σ Lines 33 to 35	\$ -	\$ -	\$ -	\$ -

¹ Interest calculated from midpoint of collection period (August 1, 2014 through December 31, 2014) through midpoint of refund period (January 1, 2016 through December 31, 2016).

Work Papers

Section C – Lighting Allocations

WP C-1

DUKE ENERGY PROGRESS, INC.

Determination of Lighting Allocation Factors

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

Work Papers

Section D – Determination of Utility Incentives

Duke Energy Progress, Inc.

Calculation of Program Performance Incentives

2013 Vintage

			Lighting Program Residential ¹	Lighting Program Gen Svc ¹	Residential Appliance Recycling	Residential Benchmarking	Small Business Direct Install	CIG Energy Efficiency
1	Present Value of Avoided Costs	WIP E-1	\$ 47,181,475	\$ 11,516,889	\$ 2,515,054	\$ 969,322	\$ 8,281,176	\$ 49,915,635
2	Present Value of Program Costs	WIP D-1A	8,235,185	1,000,191	1,473,097	591,861	3,345,513	8,424,007
3	Net Program Benefits		\$ 38,946,291	\$ 10,516,698	\$ 1,041,957	\$ 377,461	\$ 4,935,664	\$ 41,491,628
4	NC Allocation Factor	WIP B	86.01%	86.01%	86.01%	86.01%	86.01%	86.01%
5	NC Allocated Utility Cost Test	Lines 3 X 4	\$ 33,497,705	\$ 9,045,412	\$ 896,188	\$ 324,654	\$ 4,245,164	\$ 35,686,949
6	DSM Program Incentive at 8%	Lines 5 X 8%						
7	EE Program Incentive at 13%	Lines 5 X 13%	\$ 4,354,702	\$ 1,175,904	\$ 116,504	\$ 42,205	\$ 551,871	\$ 4,639,303
8	Program Performance Incentive (PPI)	Lines 6 + 7	\$ 4,354,702	\$ 1,175,904	\$ 116,504	\$ 42,205	\$ 551,871	\$ 4,639,303
9	Income Tax Rate	WIP D-1C	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%
10	Income Taxes	-(Lines 8 X 9)	\$ (1,707,283)	\$ (461,019)	\$ (45,676)	\$ (16,547)	\$ (216,364)	\$ (1,818,863)
11	Net-of-Tax PPI - Total NPV	Lines 8 + 10	\$ 2,647,418	\$ 714,884	\$ 70,828	\$ 25,658	\$ 335,507	\$ 2,820,440
12	Vintage Year 2013 - Year 1 PPI	Line 11 x 0.075841 x (1 + 0.075841) / 10 (1 + 0.075841) / 10 - 1	\$ 387,174	\$ 104,549	\$ 10,358	\$ 25,658	\$ 49,067	\$ 412,478
13	Income Tax Gross-Up Factor	1 - Line 9	60.79%	60.79%	60.79%	60.79%	60.79%	60.79%
14	Adjusted PPI	Line 12 / Line 13	\$ 636,857	\$ 171,971	\$ 17,038	\$ 42,205	\$ 80,709	\$ 678,479
15	PPI Values	Line 14	\$ 636,857	\$ 171,971	\$ 17,038	\$ 42,205	\$ 80,709	\$ 678,479
16	Original Vintage 2013 PPI	Docket E-2, Sub 1030	665,375	163,544	21,646	41,577	-	627,765
17	PPI Over / (Under) Collection	Line 16 - Line 15	\$ 28,518	\$ (8,427)	\$ 4,608	\$ (628)	\$ (80,709)	\$ (50,714)
18	Years at Original PPI Level	April 2013 through March 2014	1.6	1.6	1.6	1.6	1.6	1.6
21	Cumulative PPI Over/(Under) Collection	Lines 17 X 20	\$ 45,153.10	\$ (13,342.70)	\$ 7,295.47	\$ (994.01)	\$ (127,786.41)	\$ (80,295.71)
22	Carrying Costs at 7.5841%	Line 20 X Line 21 X 7.5841%	\$ 5,421.94	\$ (1,602.18)	\$ 876.03	\$ (119.36)	\$ (15,344.47)	\$ (9,641.83)
23	PPI Over/(Under) Collection w/CCost	Lines 21 + 22	\$ 50,575.04	\$ (14,944.87)	\$ 8,171.51	\$ (1,113.38)	\$ (143,130.89)	\$ (89,937.54)

Note: ¹ Lighting Program EM&V Based Cost Allocations at 89.17% for Residential and 10.83% for General Service

² 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

2014 Vintage (true-up)

2014 Vintage (true-up)			CIG DR	EnergyWise™	Residential Home Advantage	Residential Home Energy Improvement ²	Lighting Program Residential ¹	Lighting Program Gen Svc	Residential Appliance Recycling	Residential Benchmarking	Small Business Direct Install	Residential New Construction	CIG Energy Efficiency
1	Present Value of Avoided Co	WP E-2	\$ 6,170,035	\$ 45,671,868	\$ -	\$ 6,737,214	\$ 67,014,689	\$ 14,538,422	\$ 2,577,391	\$ 1,051,078	\$ 23,368,772	\$ 8,042,217	\$ 39,267,983
2	Present Value of Program Cc	WP D-1A	\$ 3,577,065	\$ 7,784,844	\$ -	\$ 4,815,836	\$ 19,568,417	\$ 2,376,651	\$ 1,158,732	\$ 171,840	\$ 10,108,948	\$ 6,463,903	\$ 7,247,613
3	Net Program Benefits		\$ 2,592,971	\$ 37,887,025	\$ -	\$ 1,921,378	\$ 47,446,272	\$ 12,161,771	\$ 1,418,659	\$ 879,237	\$ 13,259,824	\$ 1,578,315	\$ 32,020,369
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%	85.73%
5	NC Allocated Utility Cost Test	Lines 3 & 4	\$ 2,228,399	\$ 32,560,109	\$ -	\$ 1,647,197	\$ 40,675,689	\$ 10,426,286	\$ 1,216,216	\$ 753,770	\$ 11,367,647	\$ 1,353,089	\$ 27,451,063
6	DSM Program Incentive at 8%	Lines 5 & 6	\$ 178,272	\$ 2,604,809	\$ -	\$ 214,136	\$ 5,287,840	\$ 1,355,417	\$ 158,108	\$ 97,990	\$ 1,477,794	\$ 175,902	\$ 3,568,638
7	EE Program Incentive at 13%	Lines 5 & 7	\$ 178,272	\$ 2,604,809	\$ -	\$ 214,136	\$ 5,287,840	\$ 1,355,417	\$ 158,108	\$ 97,990	\$ 1,477,794	\$ 175,902	\$ 3,568,638
8	Program Performance Incentive	WP D-1C	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%	38.71%
9	Income Tax Rate		85.94%	85.94%	85.73%	85.73%	85.73%	85.73%	85.73%	85.73%	85.73%	85.73%	85.73%
10	Income Taxes	-(Lines 8 & 9)	\$(69,010)	\$(1,008,332)	\$ -	\$(82,893)	\$(2,046,944)	\$(524,687)	\$(61,204)	\$(37,932)	\$(572,060)	\$(68,092)	\$(1,381,434)
11	Net-of-Tax PPI - Total NPV	Lines 8 + 10 Line 11 x 0.00724 x (1 - 0.00724) / (10 - 1)	\$ 109,262	\$ 1,596,477	\$ -	\$ 131,243	\$ 3,240,896	\$ 830,730	\$ 96,904	\$ 60,058	\$ 905,734	\$ 107,809	\$ 2,187,204
12	Vintage Year 2014 - Year 1 PPI	(1 - 0.00724) / (10 - 1)	\$ 15,357	\$ 224,394	\$ -	\$ 18,447	\$ 455,527	\$ 116,764	\$ 13,620	\$ 60,058	\$ 127,306	\$ 15,153	\$ 307,425
13	Income Tax Gross-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%	61.29%
14	Adjusted PPI	Line 12 / Line 13	\$ 25,057	\$ 366,122	\$ -	\$ -	\$ 743,238	\$ 190,512	\$ 22,223	\$ 97,990	\$ 207,713	\$ 24,724	\$ 501,594
Est TRC < 1													
15	Vintage 2009 PPI Values	Docket E-2, Sub 977	\$ -	\$ 56,309	\$ 3,341	\$ 4,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,796
16	Vintage 2010 PPI Values	Docket E-2, Sub 1002	\$ 27,384	\$ 434,603	\$ 11,479	\$ 31,399	\$ 227,677	\$ 56,189	\$ 11,895	\$ -	\$ -	\$ -	\$ 188,490
17	Vintage 2011 PPI Values	Docket E-2, Sub 1019	\$ 7,356	\$ 325,607	\$ 33,308	\$ 48,534	\$ 129,029	\$ 31,072	\$ 8,580	\$ -	\$ -	\$ -	\$ 270,794
18	Vintage 2012 PPI Values	Docket E-2, Sub 1044	\$ 11,798	\$ 144,983	\$ 25,187	\$ 45,360	\$ 259,106	\$ 63,795	\$ 16,103	\$ -	\$ -	\$ -	\$ 301,111
19	Vintage 2013 PPI Values	Docket E-2, Sub 1066	\$ 4,131	\$ 128,487	\$ 216	\$ -	\$ 265,357	\$ 71,655	\$ 7,099	\$ -	\$ 33,629	\$ -	\$ 282,700
20	Σ Prior Period PPI	Lines 15 + 16 + 17 + 18 + 19	\$ 50,670	\$ 1,089,988	\$ 73,532	\$ 129,628	\$ 881,169	\$ 222,710	\$ 43,677	\$ -	\$ 33,629	\$ -	\$ 1,113,890
21	PPI Values for Test Period	Lines 14 + 19	\$ 75,727	\$ 1,456,110	\$ 73,532	\$ 129,628	\$ 1,624,407	\$ 413,222	\$ 65,900	\$ 97,990	\$ 241,342	\$ 24,724	\$ 1,615,484

2015 Vintage (projection)

2015 Vintage (projection)														
			CIG DR	EnergyWise™	Residential Home Advantage	Residential Home Energy Improvement	Lighting Program Residential ¹	Lighting Program Gen Svc ¹	Residential Appliance Recycling	Small Business Direct Install	Residential New Construction	CIG Energy Efficiency	My Home Energy Report	Multi-Family
1	Present Value of Avoided Co	WP E-2	\$ 9,815,343	\$ 50,415,325	\$ -	\$ 6,727,267	\$ 32,613,645	\$ 3,961,038	\$ 2,060,919	\$ 32,244,066	\$ 15,916,914	\$ 41,003,209	\$ 9,348,504	\$ 5,245,885
2	Present Value of Program Cc	WP D-1A	\$ 3,530,107	\$ 5,147,281	\$ -	\$ 3,913,840	\$ 9,354,416	\$ 1,136,126	\$ 1,034,386	\$ 10,818,351	\$ 9,382,135	\$ 6,961,754	\$ 6,167,669	\$ 2,580,616
3	Net Program Benefits		\$ 6,285,235	\$ 45,268,044	\$ -	\$ 2,808,426	\$ 23,259,229	\$ 2,824,912	\$ 1,026,533	\$ 21,425,715	\$ 6,534,779	\$ 34,041,454	\$ 3,180,835	\$ 2,665,269
4	NC Allocation Factor	WP B	86.05%	86.05%	85.29%	85.29%	85.29%	85.29%	85.29%	85.29%	85.29%	85.29%	85.29%	85.29%
5	NC Allocated Utility Cost Test	Lines 3 & 4	\$ 5,408,445	\$ 38,953,152	\$ -	\$ 2,395,307	\$ 19,837,796	\$ 2,409,368	\$ 875,530	\$ 18,273,993	\$ 5,573,513	\$ 29,033,956	\$ 2,712,934	\$ 2,273,208
6	DSM Program Incentive at 8%	Lines 5 & 6	\$ 432,676	\$ 3,116,252	\$ -	\$ 311,390	\$ 2,578,913	\$ 313,218	\$ 113,819	\$ 2,375,619	\$ 724,557	\$ 3,774,414	\$ 352,681	\$ 295,517
7	EE Program Incentive at 13%	Lines 5 & 7	\$ 432,676	\$ 3,116,252	\$ -	\$ 311,390	\$ 2,578,913	\$ 313,218	\$ 113,819	\$ 2,375,619	\$ 724,557	\$ 3,774,414	\$ 352,681	\$ 295,517
8	Program Performance Incentive	WP D-1C	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%
9	Income Tax Rate	Lines 8 & 9	\$ (165,110)	\$ (1,189,168)	\$ -	\$ (118,872)	\$ (984,119)	\$ (119,525)	\$ (43,434)	\$ (906,541)	\$ (276,492)	\$ (1,440,324)	\$ (134,584)	\$ (112,770)
10	Income Taxes	Lines 8 + 10 (1 + 0.00724)/(10 - 1)	\$ 267,566	\$ 1,927,084	\$ -	\$ 192,563	\$ 1,594,795	\$ 193,693	\$ 70,385	\$ 1,469,078	\$ 448,064	\$ 2,334,090	\$ 218,097	\$ 182,747
11	Net-of-Tax PPI - Total NPV		\$ 37,629	\$ 271,013	\$ -	\$ 27,081	\$ 224,282	\$ 27,240	\$ 9,899	\$ 206,602	\$ 63,013	\$ 328,252	\$ 218,097	\$ 25,700
12	Vintage Year 2015 - Year 1 PPI		61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%
13	Income Tax Gross-Up Factor	1 - Line 9	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%
14	Adjusted PPI	Line 12/Line 13	\$ 60,849	\$ 438,251	\$ -	\$ 43,792	\$ 362,683	\$ 44,049	\$ 16,007	\$ 334,092	\$ 101,897	\$ 530,810	\$ 352,681	\$ 41,560
15	Vintage 2009 PPI Values	Line 15 from 2014 Analysis	\$ -	\$ 135,141	\$ 8,018	\$ 10,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 169,910	\$ -	\$ -
16	Vintage 2010 PPI Values	Line 16 from 2014 Analysis	\$ 65,722	\$ 1,043,048	\$ 27,550	\$ 75,357	\$ 546,425	\$ 134,853	\$ 28,547	\$ -	\$ -	\$ 452,376	\$ -	\$ -
17	Vintage 2011 PPI Values	Line 17 from 2014 Analysis	\$ 17,655	\$ 781,456	\$ 79,940	\$ 116,481	\$ 309,670	\$ 74,572	\$ 20,592	\$ -	\$ -	\$ 649,907	\$ -	\$ -
18	Vintage 2012 PPI Values	Line 18 from 2014 Analysis	\$ 28,315	\$ 347,959	\$ 60,450	\$ 108,864	\$ 621,854	\$ 153,107	\$ 38,647	\$ -	\$ -	\$ 722,666	\$ -	\$ -
19	Vintage 2013 PPI Values	Line 19 from 2014 Analysis	\$ 9,915	\$ 308,368	\$ 517	\$ -	\$ 636,857	\$ 171,971	\$ 17,038	\$ 80,709	\$ -	\$ 678,479	\$ -	\$ -
20	Vintage 2014 PPI Values	Line 20 from 2014 Analysis	\$ 25,057	\$ 366,122	\$ -	\$ -	\$ 743,238	\$ 190,512	\$ 22,223	\$ 207,713	\$ 24,724	\$ 501,594	\$ -	\$ -
21	Σ Prior Period PPI	Lines 15 + 16 + 17 + 18 + 19 + 20	\$ 146,664	\$ 2,982,094	\$ 176,476	\$ 311,107	\$ 2,858,043	\$ 725,015	\$ 127,047	\$ 288,422	\$ 24,724	\$ 3,174,930	\$ -	\$ -
22	PPI Values for Rate Period	Lines 14 + 21	\$ 207,513	\$ 3,420,344	\$ 176,476	\$ 354,899	\$ 3,220,726	\$ 769,064	\$ 143,054	\$ 622,514	\$ 126,621	\$ 3,705,741	\$ 352,681	\$ 41,560

2016 Vintage (projection)

2016 Vintage (projection)			CIG DR	EnergyWise™	Residential Home Advantage	Residential Home Energy Improvement	Lighting Program: Residential ¹	Lighting Program: Gen Svc ¹	Residential Appliance Recycling	Small Business Direct Install	Residential New Construction	CIG Energy Efficiency	My Home Energy Report	Multi-Family
1	Present Value of Avoided Co	WP E-4	\$ 52,430,360	\$ 48,386,223	\$ -	\$ 4,016,979	\$ 41,540,204	\$ 5,045,199	\$ 2,386,007	\$ 30,114,521	\$ 18,243,973	\$ 50,124,089	\$ 9,736,234	\$ 4,603,242
2	Present Value of Program Cc	WP D-1A	\$ 17,661,628	\$ 4,888,044	\$ -	\$ 3,163,121	\$ 9,039,836	\$ 1,097,919	\$ 1,093,068	\$ 10,222,921	\$ 13,373,909	\$ 8,359,993	\$ 6,456,769	\$ 2,018,576
3	Net Program Benefits		\$ 34,768,732	\$ 43,498,179	\$ -	\$ 853,858	\$ 32,500,368	\$ 3,947,280	\$ 1,292,939	\$ 19,891,600	\$ 4,870,064	\$ 41,764,096	\$ 3,279,466	\$ 2,584,666
4	NC Allocation Factor	WP B	86.23%	86.23%	85.15%	85.15%	85.15%	85.15%	85.15%	85.15%	85.15%	85.15%	85.15%	85.15%
5	NC Allocated Utility Cost Test	Lines 3 & 4	\$ 29,981,078	\$ 37,508,480	\$ -	\$ 727,060	\$ 27,674,063	\$ 3,361,109	\$ 1,100,937	\$ 16,937,697	\$ 4,146,859	\$ 35,562,128	\$ 2,792,465	\$ 2,200,843
6	EE/DSM Program Incentive at 1	Lines 5 & 6	\$ 3,522,777	\$ 4,407,246	\$ -	\$ 85,430	\$ 3,251,702	\$ 394,930	\$ 129,360	\$ 1,990,179	\$ 487,256	\$ 4,178,550	\$ 328,115	\$ 258,599
9	Income Tax Rate	WP D-1C	\$ 38.16%	\$ 38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%	38.16%
10	Income Taxes	Lines 8 & 9	\$ (1,344,292)	\$ (1,681,805)	\$ -	\$ (32,600)	\$ (1,240,850)	\$ (150,705)	\$ (49,364)	\$ (759,452)	\$ (185,937)	\$ (1,594,535)	\$ (125,209)	\$ (98,681)
11	Net-of-Tax PPI - Total NPV	Lines 8 + 10 (1 + 0.00724)/(10 - 1)	\$ 2,178,485	\$ 2,725,441	\$ -	\$ 52,830	\$ 2,010,853	\$ 244,225	\$ 79,996	\$ 1,230,727	\$ 301,319	\$ 2,584,015	\$ 202,906	\$ 159,918
12	Vintage Year 2016 - Year 1 PPI	(1 + 0.00724)/(10 - 1)	\$ 826,089	\$ 383,289	\$ -	\$ 7,430	\$ 486,944	\$ 59,141	\$ 11,250	\$ 466,696	\$ 42,376	\$ 979,867	\$ 202,906	\$ 22,490
13	Income Tax Gross-Up Factor	1 - Line 9	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%	61.84%
14	Adjusted PPI	Line 12/Line 13	\$ 1,335,848	\$ 619,808	\$ -	\$ 12,014	\$ 787,426	\$ 95,636	\$ 18,192	\$ 754,683	\$ 68,525	\$ 1,584,520	\$ 328,115	\$ 36,368
15	Vintage 2009 PPI Values	Line 15 from 2014 Analysis	\$ -	\$ 135,141	\$ 8,018	\$ 10,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 169,910	\$ -	\$ -
16	Vintage 2010 PPI Values	Line 16 from 2014 Analysis	\$ 65,722	\$ 1,043,048	\$ 27,550	\$ 75,357	\$ 546,425	\$ 134,853	\$ 28,547	\$ -	\$ -	\$ 452,376	\$ -	\$ -
17	Vintage 2011 PPI Values	Line 17 from 2014 Analysis	\$ 17,655	\$ 781,456	\$ 79,940	\$ 116,481	\$ 309,670	\$ 74,572	\$ 20,592	\$ -	\$ -	\$ 649,907	\$ -	\$ -
18	Vintage 2012 PPI Values	Line 18 from 2014 Analysis	\$ 28,315	\$ 347,959	\$ 60,450	\$ 108,864	\$ 621,854	\$ 153,107	\$ 38,647	\$ -	\$ -	\$ 722,666	\$ -	\$ -
19	Vintage 2013 PPI Values	Line 19 from 2014 Analysis	\$ 9,915	\$ 308,368	\$ 517	\$ -	\$ 636,857	\$ 171,971	\$ 17,038	\$ 80,709	\$ -	\$ 678,479	\$ -	\$ -
20	Vintage 2014 PPI Values	Line 20 from 2014 Analysis	\$ 25,057	\$ 366,122	\$ -	\$ -	\$ 743,238	\$ 190,512	\$ 22,223	\$ 207,713	\$ 24,724	\$ 501,594	\$ -	\$ -
21	Σ Prior Period PPI Values	Lines 15 + 16 + 17 + 18 + 19 + 20	\$ 60,849	\$ 438,251	\$ -	\$ 43,792	\$ 362,683	\$ 44,049	\$ 16,007	\$ 334,092	\$ 101,897	\$ 530,810	\$ -	\$ 41,560
22	Σ Prior Period PPI	Lines 15 + 16 + 17 + 18 + 19 + 20	\$ 207,513	\$ 3,420,344	\$ 176,476	\$ 354,899	\$ 3,220,726	\$ 769,064	\$ 143,054	\$ 622,514	\$ 126,621	\$ 735,741	\$ -	\$ 41,560
23	PPI Values for Rate Period	Lines 14 + 21	\$ 1,543,361	\$ 4,040,152	\$ 176,476	\$ 366,913	\$ 4,008,152	\$ 864,700	\$ 161,247	\$ 1,377,197	\$ 195,146	\$ 5,290,261	\$ 328,115	\$ 77,927

Note: ¹ Lighting Program EM&V Based Cost Allocations at 89.17% for Residential and 10.83% for General Service and for Rate Period at 89.13% for Residential and 10.87% for General Service² 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)

CIG DR
EnergyWiseTM
Residential Home Advantage
Residential Home Energy Improvement
Residential Lighting Program
Residential Appliance Recycling
Residential Benchmarking
CIG Energy Efficiency

Actual Values												Adjusted
Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	2010 Totals
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
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
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
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
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
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
0	0	1,150	11,572	8,592	9,404	6,261	6,052	11,738	3,365	1,825	5,068	65,026
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

CIG DR
EnergyWiseTM
Residential Home Advantage
Residential Home Energy Improvement
Residential Lighting Program
Residential Appliance Recycling
Residential Benchmarking
CIG Energy Efficiency
Small Business Direct Install

Actual Values												Adjusted
Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2011 Totals
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
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
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
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
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
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
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
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
0	0	0	0	0	0	0	0	0	0	3,242	12,353	15,595

CIG DR
EnergyWiseTM
Residential Home Advantage
Residential Home Energy Improvement
Residential Lighting Program
Residential Appliance Recycling
Residential Benchmarking
CIG Energy Efficiency
Small Business Direct Install
Residential New Construction

Actual Values												Adjusted
Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	2012 Totals
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
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
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
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
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
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
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
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
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
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

CIG DR
EnergyWiseTM
Residential Home Advantage
Residential Home Energy Improvement
Residential Lighting Program
Residential Appliance Recycling
Residential Benchmarking
CIG Energy Efficiency

Actual Values												Adjusted
Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	2013 Totals
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
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
8,016	47,293	6,540	3,238	(2,355)	1,264	0	9,499	(9,271)	0	0	3,388	67,611
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
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
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
(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
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

Duke Energy Progress, Inc.

Calculation of Program Performance Incentives (Costs)

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

	Actual 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	50,369	157,817	154,972	113,623	63,970	86,819	47,314	191,953	174,038	100,659	142,123	104,416	1,388,074
EnergyWiseTM	617,223	1,139,425	957,352	701,317	2,036,285	(163,401)	823,580	479,255	1,190,398	825,523	893,797	397,869	9,898,623
Residential Home Advantage	0	0	0	0	0	0	0	0	0	0	0	0	0
Residential Home Energy Improvement2	1,274	723,732	155,587	601,250	185,577	662,003	457,363	472,162	426,618	460,291	395,339	274,641	4,815,836
Lighting Program Residential1	4,027,291	465,596	1,034,413	2,375,632	1,000,842	933,136	1,408,065	2,147,792	914,047	2,210,473	3,483,213	1,944,568	21,945,068
Residential Appliance Recycling	(17,035)	11,445	185,460	(21,597)	117,956	72,716	76,554	21,042	392,304	132,992	34,092	152,803	1,158,732
Residential Benchmarking												171,840	171,840
CIG Energy Efficiency	801,496	578,114	354,174	599,055	502,065	418,261	695,413	714,751	542,938	421,998	444,807	1,174,541	7,247,613
Small Business Direct Install2	540,803	149,372	503,661	194,664	1,166,126	629,402	918,775	856,530	462,218	1,776,564	1,181,984	1,728,850	10,108,948
Residential New Construction2	316,375	352,933	138,339	489,372	147,075	701,070	662,966	604,237	556,581	606,677	492,161	1,396,116	6,463,903
	63,198,638												

	Actual Values			Estimated Values									Adjusted
	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	2015 Totals
CIG DR	100,845	131,170	167,484	192,719	192,719	192,719	192,719	192,719	192,719	192,719	192,719	192,719	2,133,971
EnergyWiseTM	810,571	1,048,837	719,942	1,001,175	1,001,175	1,001,175	1,001,175	1,001,175	1,001,175	1,001,175	1,001,175	1,001,175	11,589,926
Residential Home Energy Improvement2	403,399	235,576	146,484	347,598	347,598	347,598	347,598	347,598	347,598	347,598	347,598	347,598	3,913,840
Lighting Program Residential1	162,907	1,899,175	1,494,094	770,485	770,485	770,485	770,485	770,485	770,485	770,485	770,485	770,485	10,490,542
Residential Appliance Recycling	157,892	15,098	119,963	82,381	82,381	82,381	82,381	82,381	82,381	82,381	82,381	82,381	1,034,386
CIG Energy Efficiency	(188,056)	809,754	453,330	654,081	654,081	654,081	654,081	654,081	654,081	654,081	654,081	654,081	6,961,754
Small Business Direct Install2	538,523	275,556	609,935	1,043,815	1,043,815	1,043,815	1,043,815	1,043,815	1,043,815	1,043,815	1,043,815	1,043,815	10,818,351
Residential New Construction	420,924	664,968	664,472	847,974	847,974	847,974	847,974	847,974	847,974	847,974	847,974	847,974	9,382,135
My Home Energy Report	81,459	819,431	455,580	534,578	534,578	534,578	534,578	534,578	534,578	534,578	534,578	534,578	6,167,669
Multi-Family	24,848	(1,809)	285,624	252,439	252,439	252,439	252,439	252,439	252,439	252,439	252,439	252,439	2,580,616
	65,073,190												

	Estimated Values												Adjusted 2016 Totals
	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	
CIG DR	303,172	303,172	303,172	303,172	303,172	303,172	303,172	303,172	303,172	303,172	303,172	303,172	3,638,070
EnergyWiseTM	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	1,081,105	12,973,257
Residential Home Energy Improvement2	263,593	263,593	263,593	263,593	263,593	263,593	263,593	263,593	263,593	263,593	263,593	263,593	3,163,121
Lighting Program Residential1	844,813	844,813	844,813	844,813	844,813	844,813	844,813	844,813	844,813	844,813	844,813	844,813	10,137,755
Residential Appliance Recycling	91,089	91,089	91,089	91,089	91,089	91,089	91,089	91,089	91,089	91,089	91,089	91,089	1,093,068
CIG Energy Efficiency	696,666	696,666	696,666	696,666	696,666	696,666	696,666	696,666	696,666	696,666	696,666	696,666	8,359,993
Small Business Direct Install2	851,910	851,910	851,910	851,910	851,910	851,910	851,910	851,910	851,910	851,910	851,910	851,910	10,222,921
Residential New Construction	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	1,114,492	13,373,909
My Home Energy Report	538,064	538,064	538,064	538,064	538,064	538,064	538,064	538,064	538,064	538,064	538,064	538,064	6,456,769
Multi-Family	168,215	168,215	168,215	168,215	168,215	168,215	168,215	168,215	168,215	168,215	168,215	168,215	2,018,576
	71,437,439												

Duke Energy Progress, Inc.
NC Calculation Tax and Return Related Input Factors**2013**OFFICIAL COPY
Jun 17 2015

	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%	7.5841%	12.4751%

After Tax Cost of Debt

9 Wgt'd Debt Component

10 PEC Composite Income Tax Rate

11 Federal Income Tax Amount

12 After Tax Debt Cost Component

Incremental Tax Rate

13 Pretax Debt Component

14 After-Tax Debt Component

15 After Tax Percent of Pretax Amt

16 Effective Incremental Tax Rate

17 (1 - After Tax Percent of Pretax)

Pre Tax Cost of Equity

18 Wgt'd Common Equity Component

19 Wgt'd Preferred Component

20 Total Equity

21 After Tax Percent of Pretax Amt

22 Pre Tax Cost of Equity

23 (Pre Tax Cost of Equity / After Tax Percent of Pretax Amt)

To W/P D-1

2.9974%

39.2055% (d)

1.1752%

1.8223% (a)

2.9974%

1.8223%

60.7945%

39.2055% (d)

5.4910%

0.2709%

5.4910%

60.7945%

60.7945%

0.4456% (b)

9.0321% (c)

Composite Income Tax Rate

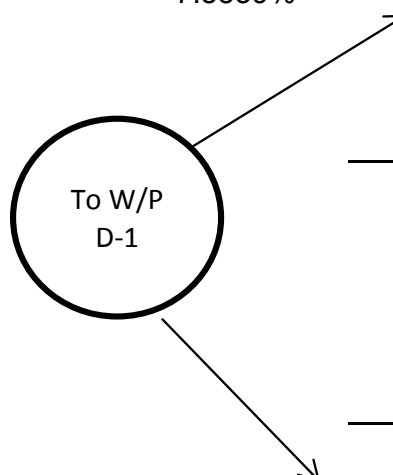
	Jurisdiction	
34	Federal Tax Rate	32.7355%
35	North Carolina	5.8400%
36	South Carolina	0.6300%
37	PEC Composite Income Tax Rate	39.2055% (d)

Duke Energy Progress, Inc.
NC Calculation Tax and Return Related Input Factors**2014**

OFFICIAL COPY

Jun 17 2015

	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%	6.7224%	10.9683%
5						
6	After Tax Cost of Debt					
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				1.3164% (a)	
12						
13	Incremental Tax Rate					
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					
18	(1 - After Tax Percent of Pretax)				38.7104% (d)	
19						
20	Pre Tax Cost of Equity					
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)				0.0000% (b)	8.8204% (c)
27						
28						
29	Composite Income Tax Rate					
30						
31	<u>Jurisdiction</u>					
32	Federal Tax Rate					33.0021%
33	North Carolina					5.0783%
34	South Carolina					0.6300%
35	PEC Composite Income Tax Rate					38.7104% (d)

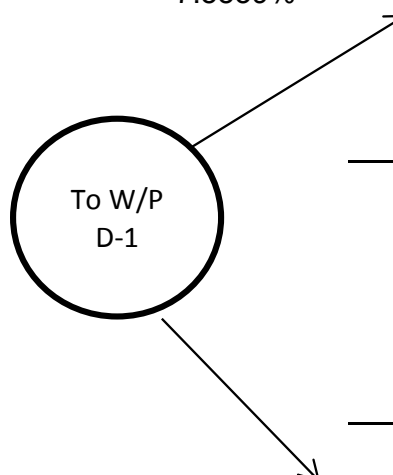


Duke Energy Progress, Inc.
NC Calculation Tax and Return Related Input Factors**2015**

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Jun 17 2015

	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%	1.3283% (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%	8.7419% (c)
4	Total	100.00%		7.5539%	6.7343%	10.8898%
5						
6	After Tax Cost of Debt					
7	Wgt'd Debt Component				2.1479%	
8	PEC Composite Income Tax Rate				38.1602% (d)	
9	Federal Income Tax Amount				0.8196%	
10						
11	After Tax Debt Cost Component				1.3283% (a)	
12						
13	Incremental Tax Rate					
14	Pretax Debt Component				2.1479%	
15	After-Tax Debt Component				1.3283%	
16	After Tax Percent of Pretax Amt				61.8398%	
17	Effective Incremental Tax Rate					
18	(1 - After Tax Percent of Pretax)				38.1602% (d)	
19						
20	Pre Tax Cost of Equity					
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				61.8398%	61.8398%
25	Pre Tax Cost of Equity					
26	(Pre Tax Cost of Equity / After Tax Percent of Pretax Amt)				0.0000% (b)	8.7419% (c)
27						
28						
29	Composite Income Tax Rate					
30						
31	<u>Jurisdiction</u>					
32	Federal Tax Rate					33.2983%
33	North Carolina					4.2319%
34	South Carolina					0.6300%
35	PEC Composite Income Tax Rate					38.1602% (d)



Duke Energy Progress - North Carolina

Net Lost Revenue Summary

		01/01/2014 - 12/31/2014		01/01/2016 - 12/31/2016	
		Test Period		Rate Period	
	Source	MWH	Net Lost Rev	MWH	Net Lost Rev
Residential Programs					
Home Advantage	W/P D-2a	31.01	\$ 1,889.90	-	\$ -
Home Energy Improvement	W/P D-2b	2,602.67	158,633.89	7,530.84	451,389.20
K-12	W/P D-2c	-	-	2,568.44	153,949.28
Lighting	W/P D-2d	77,192.00	4,704,879.18	223,539.22	13,398,666.10
Multi-Family	W/P D-2e	-	-	15,378.67	921,778.82
MYHER	W/P D-2f	-	-	94,251.74	5,649,333.21
Neighborhood Energy Saver	W/P D-2g	750.06	45,716.16	4,379.69	262,513.09
Residential Appliance Recycling	W/P D-2h	2,549.15	155,371.39	10,948.15	656,218.52
Residential Benchmarking Program	W/P D-2i	15,689.50	956,280.60	-	-
Residential New Construction	W/P D-2j	2,709.77	165,161.17	14,744.88	883,789.84
Residential Total		101,524.15	\$ 6,187,932.30	373,341.63	\$ 22,377,638.06
Commercial, Industrial and Governmental					
Energy Efficiency For Business	W/P D-2k	42,082.74	\$ 2,080,315.23	158,116.02	\$ 7,656,349.56
Lighting	W/P D-2l	37,479.44	1,852,756.24	107,257.91	5,193,679.93
Small Business Energy Saver	W/P D-2m	20,733.91	1,024,958.80	91,069.20	4,409,784.88
Commercial, Ind and Govt Total		100,296.10	\$ 4,958,030.26	356,443.13	\$ 17,259,814.38
Total Recoverable Net Lost Revenues and MWHs		201,820.25	11,145,962.57	729,784.76	39,637,452.44

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	1,399	1,203	-	-	2,603
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 85,292	\$ 73,342	\$ -	\$ -	\$ 158,634

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	1,327	2,898	2,453	853	7,531
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 79,568	\$ 173,706	\$ 147,014	\$ 51,101	\$ 451,389

W/P D-2b
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Revenue Stream Reduction for Energy Efficiency Programs (RESR) Residential Home Energy Improvement Program 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Duke Energy Progress - North Carolina
Calculation of Net Lost Revenue
K-12 Program Summary

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	-	-	-	-	-
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	-	-	1,692	877	2,568
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 101,401	\$ 52,549	\$ 153,949

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	44,586	32,606	-	-	77,192
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 2,717,521	\$ 1,987,358	\$ -	\$ -	\$ 4,704,879

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	46,137	106,108	46,912	24,382	223,539
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 2,765,408	\$ 6,359,978	\$ 2,811,824	\$ 1,461,456	\$ 13,398,666

Lighting (Residential)

Duke Energy Progress - North Carolina									
Revenue Rate Reductions from Energy Efficiency Programs (MWH) - Lighting Program (Residential)									
Address	Village 2009	Village 2010	Village 2011	Village 2012	Village 2013	Village 2014	Village 2015	Village 2016	2 All Villages
Address	Village 2009	Village 2010	Village 2011	Village 2012	Village 2013	Village 2014	Village 2015	Village 2016	2 All Villages
J0001									84.81%
J0002									84.81%
J0003									84.81%
J0004									84.81%
J0005									84.81%
J0006									84.81%
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J0216									

Duke Energy Progress - North Carolina
Calculation of Net Lost Revenue
Multi-Family Program Summary

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	-	-	-	-	-
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	-	-	10,864	4,515	15,379
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 651,177	\$ 270,602	\$ 921,779

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	-	-	-	-	-
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	-	-	42,649	51,603	94,252
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,556,335	\$ 3,092,998	\$ 5,649,333

[illegible]

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	344	406	-	-	750
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 20,968	\$ 24,748	\$ -	\$ -	\$ 45,716

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	730	1,359	1,495	795	4,380
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 43,736	\$ 81,482	\$ 89,623	\$ 47,672	\$ 262,513

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	1,242	1,307	-	-	2,549
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 75,729	\$ 79,643	\$ -	\$ -	\$ 155,371

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	2,096	4,145	2,963	1,744	10,948
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 125,622	\$ 248,464	\$ 177,599	\$ 104,534	\$ 656,219

Test Period Values (1-1-14 thru 12-31-14)

Rate Period Values (1-1-16 thru 12-31-16)

[illegible]

Recoverable Sales Reductions from Energy Efficiency Programs (IMWH): Residential Benchmarking Program

[illegible]

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	771	1,939	-	-	2,710
Net Lost Revenue Rate per MWh (\$)	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	\$ 60.95	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 46,994	\$ 118,167	\$ -	\$ -	\$ 165,161

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	537	3,688	6,155	4,365	14,745
Net Lost Revenue Rate per MWh (\$)	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	\$ 59.94	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 32,192	\$ 221,081	\$ 368,914	\$ 261,603	\$ 883,790

Recoverable Sales Reductions from Energy Efficiency Programs (MWH): Residential New Construction Program

[illegible]

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	23,277	18,806	-	-	42,083
Net Lost Revenue Rate per MWh (\$)	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 1,150,680	\$ 929,636	\$ -	\$ -	\$ 2,080,315

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	20,011	45,546	56,951	35,608	158,116
Net Lost Revenue Rate per MWh (\$)	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 969,000	\$ 2,205,446	\$ 2,757,694	\$ 1,724,210	\$ 7,656,350

[illegible]

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	21,714	15,765	-	-	37,479
Net Lost Revenue Rate per MWh (\$)	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 1,073,408	\$ 779,348	\$ -	\$ -	\$ 1,852,756

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	22,099	50,924	22,527	11,708	107,258
Net Lost Revenue Rate per MWh (\$)	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 1,070,078	\$ 2,465,844	\$ 1,090,807	\$ 566,951	\$ 5,193,680

[illegible]

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

Test Period Values (1-1-14 thru 12-31-14)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Test Period Net Lost MWh	-	-	-	-	9,257	11,477	-	-	20,734
Net Lost Revenue Rate per MWh (\$)	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	\$ 49.43	
Test Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 457,603	\$ 567,355	\$ -	\$ -	\$ 1,024,959

Rate Period Values (1-1-16 thru 12-31-16)

	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	Vintage 2013	Vintage 2014	Vintage 2015	Vintage 2016	Total
Rate Period Net Lost MWh	-	-	-	-	6,686	26,515	38,817	19,051	91,069
Net Lost Revenue Rate per MWh (\$)	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	\$ 48.42	
Rate Period Net Lost Revenue (\$)	\$ -	\$ -	\$ -	\$ -	\$ 323,764	\$ 1,283,915	\$ 1,879,631	\$ 922,475	\$ 4,409,785

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WP D-3

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

		Ref	Residential	General Service	System
Adjusted Base Revenue per MWh (\$)					
1	Revenues (\$000s)	B	\$ 1,632,031	\$ 1,021,627	\$ 2,653,658
2	Customer Charge Revenues (\$000s)	C	154,154	41,277	195,431
3	Revenues Net of Customer Charge		\$ 1,477,877	\$ 980,350	\$ 2,849,089
4	Fuel Revenue (\$000s)	B	458,396	344,881	803,277
5	Adjusted Net Margin (with GRT)		\$ 1,019,481	\$ 635,469	\$ 1,654,950
6	Reg. Fee in Net Margin		1,376	858	2,234
7	Net Margin (w/o GRT)		\$ 1,018,104	\$ 634,611	\$ 1,652,716
8	Sales (MWhs)	F	15,951,490	12,132,064	28,083,554
9	Adjusted Base Revenue per MWh (\$)		\$ 63.83	\$ 52.31	\$ 58.85
Net Lost Revenue Rate for Test Period					
10	Adjusted Base Revenue per MWh (\$)		\$ 63.83	\$ 52.31	\$ 58.85
11	2014 Rate Variable O&M Rate per MWh	D1	\$ 2.87	\$ 2.87	\$ 2.87
12	Net per MWh Rate for Test Period Calculations		\$ 60.95	\$ 49.43	\$ 55.98
Net Lost Revenue Rate for Rate Period					
13	Adjusted Base Revenue per MWh (\$)		\$ 63.83	\$ 52.31	\$ 58.85
14	2016 Rate Variable O&M Rate per MWh	D2	\$ 3.89	\$ 3.89	\$ 3.89
15	Net per MWh Rate for Rate Period Calculations		\$ 59.94	\$ 48.42	\$ 54.96

Duke Energy Progress, Inc.

Calculation of Verified Program Performance Incentives

2013 Vintage

			Lighting Program Residential ¹	Lighting Program Gen Svc ¹	Residential Appliance Recycling	Residential Benchmarking	Small Business Direct Install	CIG Energy Efficiency
1	Present Value of Avoided Costs	WIP E-1	\$ 47,181,475	\$ 11,516,889	\$ 2,515,054	\$ 969,322	\$ 8,281,176	\$ 49,915,635
2	Present Value of Program Costs	WIP D-1A	8,235,185	1,000,191	1,473,097	591,861	3,345,513	8,424,007
3	Net Program Benefits		\$ 38,946,291	\$ 10,516,698	\$ 1,041,957	\$ 377,461	\$ 4,935,664	\$ 41,491,628
4	NC Allocation Factor	WIP B	86.01%	86.01%	86.01%	86.01%	86.01%	86.01%
5	NC Allocated Utility Cost Test	Lines 3 X 4	\$ 33,497,705	\$ 9,045,412	\$ 896,188	\$ 324,654	\$ 4,245,164	\$ 35,686,949
6	DSM Program Incentive at 8%	Lines 5 X 8%						
7	EE Program Incentive at 13%	Lines 5 X 13%	\$ 4,354,702	\$ 1,175,904	\$ 116,504	\$ 42,205	\$ 551,871	\$ 4,639,303
8	Program Performance Incentive (PPI)	Lines 6 + 7	\$ 4,354,702	\$ 1,175,904	\$ 116,504	\$ 42,205	\$ 551,871	\$ 4,639,303
9	Income Tax Rate	WIP D-1C	39.21%	39.21%	39.21%	39.21%	39.21%	39.21%
10	Income Taxes	-(Lines 8 X 9)	\$ (1,707,283)	\$ (461,019)	\$ (45,676)	\$ (16,547)	\$ (216,364)	\$ (1,818,863)
11	Net-of-Tax PPI - Total NPV	Lines 8 + 10	\$ 2,647,418	\$ 714,884	\$ 70,828	\$ 25,658	\$ 335,507	\$ 2,820,440
12	Vintage Year 2013 - Year 1 PPI	Line 11 x 0.075841 x (1 + 0.075841) / 10 (1 + 0.075841) / 10 - 1	\$ 387,174	\$ 104,549	\$ 10,358	\$ 25,658	\$ 49,067	\$ 412,478
13	Income Tax Gross-Up Factor	1 - Line 9	60.79%	60.79%	60.79%	60.79%	60.79%	60.79%
14	Adjusted PPI	Line 12 / Line 13	\$ 636,857	\$ 171,971	\$ 17,038	\$ 42,205	\$ 80,709	\$ 678,479
15	PPI Values	Line 14	\$ 636,857	\$ 171,971	\$ 17,038	\$ 42,205	\$ 80,709	\$ 678,479
16	Original Vintage 2013 PPI	Docket E-2, Sub 1030	665,375	163,544	21,646	41,577	-	627,765
17	PPI Over / (Under) Collection	Line 16 - Line 15	\$ 28,518	\$ (8,427)	\$ 4,608	\$ (628)	\$ (80,709)	\$ (50,714)
18	Years at Original PPI Level	April 2013 through March 2014	1.6	1.6	1.6	1.6	1.6	1.6
21	Cumulative PPI Over/(Under) Collection	Lines 17 X 20	\$ 45,153.10	\$ (13,342.70)	\$ 7,295.47	\$ (994.01)	\$ (127,786.41)	\$ (80,295.71)
22	Carrying Costs at 7.5841%	Line 20 X Line 21 X 7.5841%	\$ 5,421.94	\$ (1,602.18)	\$ 876.03	\$ (119.36)	\$ (15,344.47)	\$ (9,641.83)
23	PPI Over/(Under) Collection w/CCost	Lines 21 + 22	\$ 50,575.04	\$ (14,944.87)	\$ 8,171.51	\$ (1,113.38)	\$ (143,130.89)	\$ (89,937.54)

Note: ¹ Lighting Program EM&V Based Cost Allocations at 89.17% for Residential and 10.83% for General Service

² 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.
PROGRAM COSTS AND INCENTIVES

	YTD 2009 A	YTD 2010 A	YTD 2011 A	YTD 2012 A	YTD 2013 A	2014 A	2015 EST (1Q Actual)	2016 EST (includes NOPROD)
RES HOME ENERGY IMPROVEMENTS	1,596,369	5,911,428	4,940,264	4,248,084	3,552,677	3,214,535	2,877,755	1,759,435
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	1,251,450	3,532,775	3,852,475
ENERGY EFFICIENCY FOR BUSINESS	1,484,920	3,881,069	5,942,500	5,264,253	5,902,848	5,482,532	6,017,123	6,165,660
CIG DEMAND RESPONSE	2,040	463,875	991,436	664,917	904,092	1,012,682	1,916,230	3,091,588
RESIDENTIAL LIGHTING	-	5,173,950	3,967,465	4,049,323	7,063,440	18,967,248	7,624,621	7,805,956
MULTI-FAMILY	-	-	-	-	-	-	1,272,039	743,632
MYHER	-	-	-	-	-	-	-	-
APPLIANCE RECYCLING PROGRAM	-	324,600	379,550	426,550	439,910	509,428	350,000	350,000
RES BENCHMARKING	-	-	-	-	-	-	-	-
SMALL BUSINESS DIRECT INSTALL	-	-	-	-	3,044,571	7,861,090	9,950,573	8,967,615
RES NEW CONSTRUCTION	-	-	-	-	1,124,700	4,815,313	8,303,750	10,331,250
Total	3,533,804	17,596,072	19,484,639	17,971,002	24,944,163	43,114,278	41,844,866	43,067,611

	YTD 2009 A	YTD 2010 A	YTD 2011 A	YTD 2012 A	YTD 2013 A	2014 A	2015 EST (1Q Actual)	2016 EST (includes NOPROD)
RES HOME ENERGY IMPROVEMENTS	2,809,135	7,756,442	6,473,411	6,024,847	5,419,581	4,815,836	3,913,840	3,163,121
HOME ADVANTAGE	691,574	1,080,571	1,610,520	1,029,138	67,611	-	-	-
ENERGYWISE	4,644,413	9,946,424	11,859,041	8,016,985	9,709,664	9,898,623	11,589,926	12,973,257
ENERGY EFFICIENCY FOR BUSINESS	3,372,021	6,239,359	8,628,963	7,985,396	8,424,007	7,247,613	6,961,754	8,359,993
CIG DEMAND RESPONSE	310,554	1,025,677	1,560,411	1,002,683	1,353,172	1,388,074	2,133,971	3,638,070
RESIDENTIAL LIGHTING	248,652	6,517,118	5,871,613	6,356,720	9,235,376	21,945,068	10,490,542	10,137,755
MULTI-FAMILY	-	-	-	-	-	-	2,580,616	2,018,576
MYHER	-	-	-	-	-	69,946	6,167,669	6,456,769
APPLIANCE RECYCLING PROGRAM	55,941	1,036,855	1,275,400	1,307,877	1,473,097	1,158,732	1,034,386	1,093,068
RES BENCHMARKING	-	65,026	691,232	771,059	591,861	171,840	-	-
SMALL BUSINESS DIRECT INSTALL	-	-	15,595	196,544	3,345,513	10,108,948	10,818,351	10,222,921
RES NEW CONSTRUCTION	-	-	-	216,763	2,348,349	6,463,903	9,382,135	13,373,909
Total	12,132,290	29,960,407	37,986,186	32,908,013	41,968,229	63,268,584	65,073,190	71,437,439

	YTD 2009 A	YTD 2010 A	YTD 2011 A	YTD 2012 A	YTD 2013 A	2014 A	2015 EST (1Q Actual)	2016 EST (includes NOPROD)
RES HOME ENERGY IMPROVEMENTS	1,212,766	1,845,014	1,533,148	1,776,763	1,866,904	1,601,301	1,036,086	1,403,686
HOME ADVANTAGE	529,874	471,371	435,920	145,438	34,311	-	-	-
ENERGYWISE	4,355,638	5,007,409	9,770,216	5,582,810	6,831,039	8,647,173	8,057,151	9,120,782
ENERGY EFFICIENCY FOR BUSINESS	1,887,101	2,358,290	2,686,462	2,721,143	2,521,158	1,765,081	944,631	2,194,332
CIG DEMAND RESPONSE	308,514	561,802	568,975	337,766	449,080	375,393	217,741	546,482
RESIDENTIAL LIGHTING	248,652	1,343,168	1,904,148	2,307,397	2,171,937	2,977,820	2,865,921	2,331,799
MULTI-FAMILY	-	-	-	-	-	-	1,308,577	1,274,945
MYHER	-	-	-	-	-	69,946	6,167,669	6,456,769
APPLIANCE RECYCLING PROGRAM	55,941	712,255	895,850	881,327	1,033,187	649,303	684,386	743,068
RES BENCHMARKING	-	65,026	691,232	771,059	591,861	171,840	-	-
SMALL BUSINESS DIRECT INSTALL	-	-	15,595	196,544	300,941	2,247,858	867,778	1,255,307
RES NEW CONSTRUCTION	-	-	-	216,763	1,223,649	1,648,590	1,078,385	3,042,659
Total	8,598,486	12,364,335	18,501,546	14,937,011	17,024,066	20,154,306	23,228,324	28,369,828

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Duke Energy Progress, Inc.

Calculation of Incremental Costs for DR ProgramVintage

EnergyWise

		Vintage Periods									
Source		2009	2010	2011	2012	2013	2014	2015 - Est	2016 - Est		
1	Program Costs	WP D-10	\$ 4,644,413	\$ 9,946,424	\$ 11,859,041	\$ 8,016,985	\$ 9,709,664	\$ 9,898,623	\$ 11,589,926	\$ 12,973,257	
2	Less: Incentives	WP D-10	288,775	1,231,950	2,088,825	2,434,175	2,878,625	1,251,450	3,532,775	3,852,475	
3	Program Costs Less Incentives	Lines 1 - 2	\$ 4,355,638	\$ 8,714,474	\$ 9,770,216	\$ 5,582,810	\$ 6,831,039	\$ 8,647,173	\$ 8,057,151	\$ 9,120,782	
4	EOY Participants	Company Records	11,299	47,528	81,544	94,447	109,868	129,118	142,196	154,570	
5	Prior EOY Participants	Line 4 n-1	-	11,299	47,528	81,544	94,447	109,868	129,118	142,196	
6	Incremental Participants	Lines 4 - 5	11,299	36,229	34,016	12,903	15,421	19,250	13,078	12,374	
7	Avg Program Costs net of Incentives	Lines 3 / 4	\$ 385	\$ 183	\$ 120	\$ 59	\$ 62	\$ 67	\$ 57	\$ 59	
8	Incentives (Overall)	@ \$25	282,474.17	1,188,201	2,038,604	2,361,179	2,746,700	3,227,950	3,554,900	3,864,250	
9	Incentives (Incremental)	@ \$25	282,474.17	905,727	850,402	322,575	385,521	481,250	326,950	309,350	
10	Discount Rate for PV of Inc. Incentives	IRP Data 2012 and 2014	8.03%	8.03%	8.03%	8.03%	8.03%	6.75%	6.75%	6.78%	
11	PV of Incentives (n=30)	PV (Line 9), I=Line 10	\$ 3,171,053	\$ 10,167,688	\$ 9,546,612	\$ 3,621,225	\$ 4,327,857	\$ 6,124,943	\$ 4,161,143	\$ 3,925,122	
12	Program Costs net of Incentives (For Incremental Customers)	Lines 6 x 7	4,355,638	6,642,759	4,075,640	762,702	958,790	1,289,193	741,029	730,158	
13	PV of Costs and Incentives	Lines 10 + 11	\$ 7,526,692	\$ 16,810,448	\$ 13,622,252	\$ 4,383,926	\$ 5,286,647	\$ 7,414,137	\$ 4,902,173	\$ 4,655,280	
14	PV + 5% EM&V Loadings	Line 12 * 1.05	\$ 7,903,026	\$ 17,650,970	\$ 14,303,365	\$ 4,603,123	\$ 5,550,980	\$ 7,784,844	\$ 5,147,281	\$ 4,888,044	

Duke Energy Progress, Inc.

Calculation of Incremental Costs for DR ProgramVintage

CIG DR

		Vintage Periods									
Source		2009	2010	2011	2012	2013	2014	2015 - Est	2016 - Est		
1	Program Costs	WP D-10	\$ 310,554	\$ 1,025,677	\$ 1,560,411	\$ 1,002,683	\$ 1,353,172	\$ 1,388,074	\$ 2,133,971	\$ 3,638,070	
2	Less: Incentives	WP D-10	2,040	463,875	991,436	664,917	904,092	1,012,682	1,916,230	3,091,588	
3	Program Costs Less Incentives	Lines 1 - 2	\$ 308,514	\$ 561,802	\$ 568,975	\$ 337,766	\$ 449,080	\$ 375,393	\$ 217,741	\$ 546,482	
4	EOY Contract Levels	Company Records	816	7,756	13,492	15,700	17,069	22,069	27,069	52,069	
5	Prior EOY Contract Levels	Line 4 _{n-1}	-	816	7,756	13,492	15,700	17,069	22,069	27,069	
6	Incremental Contract Levels	Lines 4 - 5	816	6,940	5,736	2,208	1,369	5,000	5,000	25,000	
7	Avg Program Costs net of Incentives	Lines 3 / 4	\$ 378	\$ 72	\$ 42	\$ 22	\$ 26	\$ 17	\$ 8	\$ 10	
8	Incentives (Overall)	@ \$45 for 2009 - 2013 40% @45 and 60% @ \$57 for 2014-2016	36,720	349,020	607,140	706,507	768,112	1,152,002	1,413,002	2,718,002	
9	Incentives (Incremental)	@ \$45 for 2009 - 2013 40% @45 and 60% @ \$57 for 2014-2016	36,720	312,300	258,120	99,367	61,605	260,992	261,000	1,305,000	
10	Discount Rate for PV of Inc. Incentives	IRP Data 2012 and 2014	8.03%	8.03%	8.03%	8.03%	8.03%	6.75%	6.75%	6.78%	
11	PV of Incentives (n=30)	PV (Line 9), I=Line 10	\$ 412,218	\$ 3,505,878	\$ 2,897,653	\$ 1,115,496	\$ 691,577	\$ 3,321,681	\$ 3,321,787	\$ 16,558,215	
12	Program Costs net of Incentives (For Incremental Customers)	Lines 6 x 7	308,514	502,696	241,895	47,505	36,018	85,047	40,220	262,383	
13	PV of Costs and Incentives	Lines 10 + 11	\$ 720,732	\$ 4,008,573	\$ 3,139,548	\$ 1,163,001	\$ 727,595	\$ 3,406,728	\$ 3,362,007	\$ 16,820,598	
14	PV + 5% EM&V Loadings	Line 12 * 1.05	\$ 756,769	\$ 4,209,002	\$ 3,296,525	\$ 1,221,151	\$ 763,975	\$ 3,577,065	\$ 3,530,107	\$ 17,661,628	

Work Papers

Section E – Revenue Requirement Adjustments

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	234	36	27	297	1,033	0	1,033	-736
2014	226	37	27	291	0	0	0	291
2015	226	38	28	292	0	0	0	292
2016	227	39	29	294	0	0	0	294
2017	230	40	29	299	0	0	0	299
2018	243	41	30	313	0	0	0	313
2019	262	42	31	334	0	0	0	334
2020	344	43	31	418	0	0	0	418
2021	350	44	32	426	0	0	0	426
2022	368	45	33	445	0	0	0	445
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	2,710	405	297	3,411	1,033	0	1,033	2,378
NPV	1,990	303	222	2,515	1,033	0	1,033	1,482

Utility Discount Rate = 6.75
Benefit Cost Ratio = 2.434

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	281	228	169	678	1,867	6,968	8,835	-8,156
2014	245	235	172	653	0	0	0	653
2015	235	241	176	652	0	0	0	652
2016	199	246	180	625	0	0	0	625
2017	206	251	184	641	0	0	0	641
2018	230	257	188	675	0	0	0	675
2019	245	263	193	701	0	0	0	701
2020	320	269	197	786	0	0	0	786
2021	322	275	201	798	0	0	0	798
2022	346	279	204	829	0	0	0	829
2023	301	247	181	730	0	0	0	730
2024	313	253	185	751	0	0	0	751
2025	322	259	189	770	0	0	0	770
2026	350	264	194	808	0	0	0	808
2027	371	270	198	839	0	0	0	839
2028	117	55	40	213	0	0	0	213
2029	122	57	41	220	0	0	0	220
2030	120	58	42	220	0	0	0	220
2031	48	17	13	78	0	0	0	78
2032	50	18	13	81	0	0	0	81
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	4,744	4,042	2,962	11,748	1,867	6,968	8,835	2,913
NPV	2,867	2,569	1,882	7,318	1,867	6,968	8,835	-1,517

Utility Discount Rate = 6.75
Benefit Cost Ratio = 0.828

PROGRAM: DEP Neighborhood Energy Saver - 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	81	14	10	104	649	0	649	-544
2014	78	14	10	103	0	0	0	103
2015	77	14	10	102	0	0	0	102
2016	78	15	11	103	0	0	0	103
2017	79	15	11	105	0	0	0	105
2018	83	15	11	110	0	0	0	110
2019	90	16	11	117	0	0	0	117
2020	118	16	12	146	0	0	0	146
2021	121	16	12	149	0	0	0	149
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	806	134	98	1,038	649	0	649	389
NPV	615	104	76	794	649	0	649	145

Utility Discount Rate = 6.75
Benefit Cost Ratio = 1.224

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	651	183	135	969	592	0	592	377
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	651	183	135	969	592	0	592	377
NPV	651	183	135	969	592	0	592	377

Utility Discount Rate = 6.75
Benefit Cost Ratio = 1.638

PROGRAM: DEP Residential New Construction - Vintage Year-2013

Total Resource Cost (TRC) Test								
YEAR	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)	
2012	0	0	0	0	0	0	0	0
2013	67	28	21	116	1,224	1,609	2,832	-2,717
2014	62	29	21	112	0	0	0	112
2015	60	30	22	112	0	0	0	112
2016	58	30	22	110	0	0	0	110
2017	58	31	23	112	0	0	0	112
2018	63	32	23	118	0	0	0	118
2019	68	32	24	124	0	0	0	124
2020	89	33	24	147	0	0	0	147
2021	90	34	25	149	0	0	0	149
2022	95	35	25	155	0	0	0	155
2023	97	35	26	158	0	0	0	158
2024	101	36	27	164	0	0	0	164
2025	106	37	27	171	0	0	0	171
2026	114	38	28	180	0	0	0	180
2027	119	39	28	186	0	0	0	186
2028	129	40	29	197	0	0	0	197
2029	133	40	30	203	0	0	0	203
2030	132	41	30	203	0	0	0	203
2031	141	42	31	214	0	0	0	214
2032	145	43	32	220	0	0	0	220
2033	152	44	32	228	0	0	0	228
2034	156	45	33	234	0	0	0	234
2035	163	46	34	243	0	0	0	243
2036	172	47	35	253	0	0	0	253
2037	179	48	35	262	0	0	0	262
2038	188	49	36	273	0	0	0	273
2039	196	50	37	284	0	0	0	284
2040	205	52	38	294	0	0	0	294
2041	211	53	39	303	0	0	0	303
NOMINAL	3,547	1,142	837	5,526	1,224	1,609	2,832	2,694
NPV	1,329	480	352	2,160	1,224	1,609	2,832	-672

Utility Discount Rate = 6.75
Benefit Cost Ratio = 0.763

PROGRAM: DEP CIG Energy Efficiency for Business - 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	3,315	846	624	4,786	2,521	16,899	19,420	-14,634
2014	3,143	872	638	4,653	0	0	0	4,653
2015	3,130	891	653	4,674	0	0	0	4,674
2016	3,078	911	667	4,657	0	0	0	4,657
2017	3,128	932	682	4,742	0	0	0	4,742
2018	3,307	953	698	4,957	0	0	0	4,957
2019	3,559	974	713	5,247	0	0	0	5,247
2020	4,670	996	730	6,395	0	0	0	6,395
2021	4,752	1,018	746	6,517	0	0	0	6,517
2022	5,003	1,041	763	6,807	0	0	0	6,807
2023	1,681	358	262	2,301	0	0	0	2,301
2024	1,754	366	268	2,389	0	0	0	2,389
2025	1,851	374	274	2,500	0	0	0	2,500
2026	1,892	380	278	2,550	0	0	0	2,550
2027	1,993	388	284	2,666	0	0	0	2,666
2028	2,075	370	271	2,715	0	0	0	2,715
2029	2,117	378	277	2,772	0	0	0	2,772
2030	2,146	387	283	2,816	0	0	0	2,816
2031	2,274	395	289	2,959	0	0	0	2,959
2032	2,334	404	296	3,034	0	0	0	3,034
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	57,202	13,235	9,698	80,136	2,521	16,899	19,420	60,716
NPV	35,079	8,562	6,275	49,916	2,521	16,899	19,420	30,496

Utility Discount Rate = 6.75
Benefit Cost Ratio = 2.570

PROGRAM: DEP Small Business Energy Saver - 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	604	238	175	1,017	301	4,435	4,736	-3,720
2014	568	245	179	992	0	0	0	992
2015	568	250	183	1,001	0	0	0	1,001
2016	543	256	187	986	0	0	0	986
2017	547	262	192	1,000	0	0	0	1,000
2018	578	267	196	1,042	0	0	0	1,042
2019	622	273	200	1,096	0	0	0	1,096
2020	817	280	205	1,302	0	0	0	1,302
2021	837	286	209	1,333	0	0	0	1,333
2022	878	292	214	1,385	0	0	0	1,385
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	6,564	2,649	1,941	11,153	301	4,435	4,736	6,417
NPV	4,842	1,985	1,455	8,281	301	4,435	4,736	3,545

Utility Discount Rate = 6.75
Benefit Cost Ratio = 1.748

PROGRAM: DEP Lighting-Business - 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	2,302	593	437	3,332	235	1,069	1,304	2,028
2014	2,436	682	499	3,617	0	0	0	3,617
2015	2,576	743	544	3,864	0	0	0	3,864
2016	574	172	126	872	0	0	0	872
2017	344	104	76	523	0	0	0	523
2018	202	59	43	304	0	0	0	304
2019	34	9	7	50	0	0	0	50
2020	24	5	4	34	0	0	0	34
2021	14	3	2	19	0	0	0	19
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	8,506	2,370	1,739	12,615	235	1,069	1,304	11,311
NPV	7,773	2,159	1,584	11,517	235	1,069	1,304	10,213

Utility Discount Rate = 6.75
Benefit Cost Ratio = 8.830

PROGRAM: DEP Lighting-Residential - 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	4,631	865	638	6,134	1,937	8,803	10,739	-4,605
2014	4,894	995	729	6,618	0	0	0	6,618
2015	5,264	1,085	795	7,144	0	0	0	7,144
2016	5,372	1,135	831	7,338	0	0	0	7,338
2017	5,446	1,161	850	7,457	0	0	0	7,457
2018	5,737	1,187	869	7,793	0	0	0	7,793
2019	6,195	1,213	889	8,297	0	0	0	8,297
2020	1,783	275	201	2,259	0	0	0	2,259
2021	1,073	165	121	1,359	0	0	0	1,359
2022	627	94	69	790	0	0	0	790
2023	473	71	52	595	0	0	0	595
2024	496	72	53	621	0	0	0	621
2025	524	74	54	652	0	0	0	652
2026	552	76	55	683	0	0	0	683
2027	582	77	57	716	0	0	0	716
2028	623	79	58	760	0	0	0	760
2029	632	81	59	773	0	0	0	773
2030	643	83	61	787	0	0	0	787
2031	683	85	62	830	0	0	0	830
2032	701	87	63	851	0	0	0	851
2033	155	18	14	187	0	0	0	187
2034	90	11	8	108	0	0	0	108
2035	50	6	4	60	0	0	0	60
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	47,225	8,995	6,593	62,813	1,937	8,803	10,739	52,074
NPV	35,237	6,892	5,052	47,181	1,937	8,803	10,739	36,442

Utility Discount Rate = 6.75
Benefit Cost Ratio = 4.393

PROGRAM: DEP EnergyWise - 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	193	550	1,596	2,339	959	0	959	1,380
2014	181	566	1,632	2,379	0	0	0	2,379
2015	186	579	1,669	2,434	0	0	0	2,434
2016	-148	592	1,706	2,150	0	0	0	2,150
2017	-195	605	1,744	2,155	0	0	0	2,155
2018	-101	619	1,784	2,302	0	0	0	2,302
2019	-148	633	1,824	2,308	0	0	0	2,308
2020	-69	647	1,865	2,443	0	0	0	2,443
2021	-70	661	1,907	2,498	0	0	0	2,498
2022	-49	676	1,950	2,577	0	0	0	2,577
2023	-26	692	1,994	2,659	0	0	0	2,659
2024	-42	707	2,038	2,703	0	0	0	2,703
2025	-111	723	2,084	2,696	0	0	0	2,696
2026	-58	739	2,131	2,812	0	0	0	2,812
2027	-18	756	2,179	2,917	0	0	0	2,917
2028	-31	773	2,228	2,971	0	0	0	2,971
2029	39	790	2,278	3,107	0	0	0	3,107
2030	61	808	2,330	3,199	0	0	0	3,199
2031	-32	826	2,382	3,176	0	0	0	3,176
2032	-47	845	2,436	3,234	0	0	0	3,234
2033	-66	864	2,491	3,288	0	0	0	3,288
2034	-82	883	2,547	3,348	0	0	0	3,348
2035	-96	903	2,604	3,411	0	0	0	3,411
2036	-104	923	2,662	3,481	0	0	0	3,481
2037	-137	944	2,722	3,530	0	0	0	3,530
2038	-194	965	2,784	3,555	0	0	0	3,555
2039	-173	987	2,846	3,660	0	0	0	3,660
2040	-288	1,009	2,910	3,632	0	0	0	3,632
2041	-343	1,032	2,976	3,665	0	0	0	3,665
NOMINAL	-1,967	22,298	64,299	84,630	959	0	959	83,671
NPV	-435	9,362	27,002	35,928	959	0	959	34,969

Utility Discount Rate = 6.75
Benefit Cost Ratio = 37.472

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	9	26	74	109	36	0	36	73
2014	9	26	76	111	0	0	0	111
2015	10	27	78	114	0	0	0	114
2016	-7	28	79	100	0	0	0	100
2017	-9	28	81	101	0	0	0	101
2018	-5	29	83	107	0	0	0	107
2019	-6	29	85	108	0	0	0	108
2020	-3	30	87	114	0	0	0	114
2021	-2	31	89	117	0	0	0	117
2022	-1	31	91	121	0	0	0	121
2023	0	32	93	125	0	0	0	125
2024	-1	33	95	127	0	0	0	127
2025	-4	34	97	126	0	0	0	126
2026	-2	34	99	131	0	0	0	131
2027	0	35	101	137	0	0	0	137
2028	0	36	104	140	0	0	0	140
2029	4	37	106	147	0	0	0	147
2030	4	38	108	150	0	0	0	150
2031	0	38	111	150	0	0	0	150
2032	-2	39	113	151	0	0	0	151
2033	-2	40	116	154	0	0	0	154
2034	-2	41	119	158	0	0	0	158
2035	-2	42	121	162	0	0	0	162
2036	-2	43	124	165	0	0	0	165
2037	-5	44	127	166	0	0	0	166
2038	-7	45	130	168	0	0	0	168
2039	-6	46	133	172	0	0	0	172
2040	-10	47	136	172	0	0	0	172
2041	-16	48	139	171	0	0	0	171
NOMINAL	-58	1,038	2,994	3,975	36	0	36	3,938
NPV	-8	436	1,257	1,685	36	0	36	1,649

Utility Discount Rate = 6.75
Benefit Cost Ratio = 46.757

PROGRAM: DEP Residential Appliance Recycling - Vintage Year-2014

Total Resource Cost (TRC) Test								
YEAR	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)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	224	36	27	287	649	0	649	-363
2015	223	37	27	287	0	0	0	287
2016	224	38	28	290	0	0	0	290
2017	227	39	28	294	0	0	0	294
2018	239	40	29	308	0	0	0	308
2019	258	41	30	329	0	0	0	329
2020	340	42	30	412	0	0	0	412
2021	344	43	31	418	0	0	0	418
2022	362	43	32	438	0	0	0	438
2023	370	44	33	447	0	0	0	447
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	2,812	403	295	3,510	649	0	649	2,860
NPV	2,054	302	221	2,577	649	0	649	1,928

Utility Discount Rate = 6.75
Benefit Cost Ratio = 3.969

PROGRAM: DEP Residential Home Energy Improvement - 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	213	209	153	575	1,601	6,477	8,079	-7,504
2015	206	213	156	576	0	0	0	576
2016	173	218	160	551	0	0	0	551
2017	179	223	163	566	0	0	0	566
2018	201	228	167	596	0	0	0	596
2019	214	233	171	618	0	0	0	618
2020	279	238	175	692	0	0	0	692
2021	281	244	179	703	0	0	0	703
2022	304	249	183	735	0	0	0	735
2023	305	253	185	743	0	0	0	743
2024	299	245	180	723	0	0	0	723
2025	308	251	184	742	0	0	0	742
2026	335	256	188	779	0	0	0	779
2027	356	262	192	810	0	0	0	810
2028	384	268	196	848	0	0	0	848
2029	101	48	35	184	0	0	0	184
2030	98	49	36	182	0	0	0	182
2031	104	50	37	190	0	0	0	190
2032	34	12	9	54	0	0	0	54
2033	34	12	9	55	0	0	0	55
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	4,409	3,759	2,754	10,923	1,601	6,477	8,079	2,844
NPV	2,623	2,375	1,740	6,737	1,601	6,477	8,079	-1,341

Utility Discount Rate = 6.75
Benefit Cost Ratio = 0.834

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	74	13	10	97	542	0	542	-445
2015	74	13	10	97	0	0	0	97
2016	74	14	10	97	0	0	0	97
2017	75	14	10	99	0	0	0	99
2018	79	14	11	104	0	0	0	104
2019	85	15	11	110	0	0	0	110
2020	111	15	11	138	0	0	0	138
2021	114	15	11	141	0	0	0	141
2022	120	16	12	147	0	0	0	147
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	806	130	95	1,031	542	0	542	488
NPV	610	100	74	784	542	0	542	242

Utility Discount Rate = 6.75
Benefit Cost Ratio = 1.446

PROGRAM: DEP Residential Energy Efficiency Benchmarking - 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	741	179	131	1,051	172	0	172	879
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	741	179	131	1,051	172	0	172	879
NPV	741	179	131	1,051	172	0	172	879

Utility Discount Rate = 6.75
Benefit Cost Ratio = 6.117

PROGRAM: DEP Residential New Construction - Vintage Year-2014

Total Resource Cost (TRC) Test								
YEAR	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)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	227	121	88	437	1,649	5,317	6,965	-6,529
2015	223	123	90	437	0	0	0	437
2016	208	126	92	427	0	0	0	427
2017	213	129	94	436	0	0	0	436
2018	230	132	97	458	0	0	0	458
2019	247	135	99	480	0	0	0	480
2020	325	138	101	564	0	0	0	564
2021	328	141	103	572	0	0	0	572
2022	347	144	106	597	0	0	0	597
2023	355	148	108	611	0	0	0	611
2024	370	151	110	632	0	0	0	632
2025	389	154	113	656	0	0	0	656
2026	414	158	115	688	0	0	0	688
2027	439	161	118	718	0	0	0	718
2028	469	165	121	755	0	0	0	755
2029	447	137	100	684	0	0	0	684
2030	447	140	103	690	0	0	0	690
2031	474	143	105	723	0	0	0	723
2032	490	147	107	744	0	0	0	744
2033	515	150	110	775	0	0	0	775
2034	530	153	112	796	0	0	0	796
2035	553	157	115	825	0	0	0	825
2036	578	160	117	855	0	0	0	855
2037	605	164	120	889	0	0	0	889
2038	634	168	123	924	0	0	0	924
2039	660	171	125	957	0	0	0	957
2040	689	175	128	992	0	0	0	992
2041	720	179	131	1,030	0	0	0	1,030
NOMINAL	12,126	4,172	3,054	19,352	1,649	5,317	6,965	12,386
NPV	4,774	1,887	1,381	8,042	1,649	5,317	6,965	1,077

Utility Discount Rate = 6.75
Benefit Cost Ratio = 1.155

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

Total Resource Cost (TRC) Test								
YEAR	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)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	2,608	972	712	4,292	1,765	15,696	17,461	-13,169
2015	2,610	994	728	4,331	0	0	0	4,331
2016	2,524	1,016	744	4,284	0	0	0	4,284
2017	2,551	1,039	761	4,351	0	0	0	4,351
2018	2,699	1,062	778	4,539	0	0	0	4,539
2019	2,901	1,086	795	4,783	0	0	0	4,783
2020	3,805	1,111	813	5,729	0	0	0	5,729
2021	3,892	1,136	832	5,859	0	0	0	5,859
2022	4,084	1,161	850	6,096	0	0	0	6,096
2023	4,193	1,187	870	6,250	0	0	0	6,250
2024	374	80	59	513	0	0	0	513
2025	394	82	60	536	0	0	0	536
2026	418	84	61	563	0	0	0	563
2027	398	81	59	538	0	0	0	538
2028	426	83	61	570	0	0	0	570
2029	341	43	31	415	0	0	0	415
2030	344	44	32	420	0	0	0	420
2031	365	45	33	442	0	0	0	442
2032	375	46	33	454	0	0	0	454
2033	397	47	34	478	0	0	0	478
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	35,699	11,395	8,346	55,441	1,765	15,696	17,461	37,980
NPV	24,840	8,328	6,099	39,268	1,765	15,696	17,461	21,807

Utility Discount Rate = 6.75
Benefit Cost Ratio = 2.249

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	1,535	647	473	2,655	2,248	11,452	13,700	-11,046
2015	1,536	661	484	2,681	0	0	0	2,681
2016	1,472	676	495	2,644	0	0	0	2,644
2017	1,486	691	506	2,683	0	0	0	2,683
2018	1,572	707	518	2,797	0	0	0	2,797
2019	1,689	723	529	2,941	0	0	0	2,941
2020	2,216	739	541	3,496	0	0	0	3,496
2021	2,270	756	553	3,579	0	0	0	3,579
2022	2,381	773	566	3,720	0	0	0	3,720
2023	2,449	790	579	3,818	0	0	0	3,818
2024	146	18	13	177	0	0	0	177
2025	153	18	13	185	0	0	0	185
2026	163	19	14	195	0	0	0	195
2027	172	19	14	205	0	0	0	205
2028	184	20	14	218	0	0	0	218
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	19,425	7,255	5,313	31,994	2,248	11,452	13,700	18,293
NPV	13,996	5,410	3,962	23,369	2,248	11,452	13,700	9,668

Utility Discount Rate = 6.75
Benefit Cost Ratio = 1.706

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

Total Resource Cost (TRC) Test								
YEAR	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)	
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	2,485	696	509	3,690	322	1,697	2,020	1,670
2015	2,750	794	581	4,125	0	0	0	4,125
2016	2,872	864	633	4,369	0	0	0	4,369
2017	979	295	216	1,491	0	0	0	1,491
2018	788	229	168	1,185	0	0	0	1,185
2019	679	188	137	1,004	0	0	0	1,004
2020	171	37	27	234	0	0	0	234
2021	97	21	15	133	0	0	0	133
2022	55	12	9	76	0	0	0	76
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	10,876	3,135	2,296	16,307	322	1,697	2,020	14,288
NPV	9,693	2,797	2,048	14,538	322	1,697	2,020	12,518

Utility Discount Rate = 6.75
Benefit Cost Ratio = 7.197

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	4,994	1,016	744	6,753	2,655	13,976	16,631	-9,878
2015	5,622	1,159	849	7,629	0	0	0	7,629
2016	5,969	1,261	924	8,154	0	0	0	8,154
2017	6,226	1,327	972	8,525	0	0	0	8,525
2018	6,558	1,357	994	8,908	0	0	0	8,908
2019	7,082	1,387	1,016	9,486	0	0	0	9,486
2020	9,191	1,418	1,039	11,648	0	0	0	11,648
2021	3,059	471	345	3,876	0	0	0	3,876
2022	2,436	366	268	3,070	0	0	0	3,070
2023	1,996	299	219	2,514	0	0	0	2,514
2024	1,920	281	206	2,407	0	0	0	2,407
2025	2,028	287	210	2,525	0	0	0	2,525
2026	2,140	293	215	2,648	0	0	0	2,648
2027	2,255	300	220	2,774	0	0	0	2,774
2028	2,417	307	225	2,949	0	0	0	2,949
2029	2,447	314	230	2,991	0	0	0	2,991
2030	2,494	321	235	3,050	0	0	0	3,050
2031	2,648	328	240	3,216	0	0	0	3,216
2032	2,712	335	246	3,293	0	0	0	3,293
2033	2,883	343	251	3,477	0	0	0	3,477
2034	616	73	54	743	0	0	0	743
2035	363	42	31	436	0	0	0	436
2036	207	23	17	247	0	0	0	247
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	78,262	13,309	9,747	101,318	2,655	13,976	16,631	84,687
NPV	51,020	9,233	6,762	67,015	2,655	13,976	16,631	50,383

Utility Discount Rate = 6.75
Benefit Cost Ratio = 4.029

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	232	723	2,084	3,038	1,289	0	1,289	1,749
2015	239	739	2,130	3,108	0	0	0	3,108
2016	-187	756	2,178	2,747	0	0	0	2,747
2017	-253	773	2,227	2,747	0	0	0	2,747
2018	-136	790	2,278	2,931	0	0	0	2,931
2019	-201	808	2,329	2,936	0	0	0	2,936
2020	-96	826	2,381	3,111	0	0	0	3,111
2021	-97	845	2,435	3,182	0	0	0	3,182
2022	-70	864	2,490	3,284	0	0	0	3,284
2023	-71	883	2,546	3,357	0	0	0	3,357
2024	-63	903	2,603	3,443	0	0	0	3,443
2025	-152	923	2,662	3,433	0	0	0	3,433
2026	-82	944	2,721	3,583	0	0	0	3,583
2027	-30	965	2,782	3,718	0	0	0	3,718
2028	-49	987	2,845	3,783	0	0	0	3,783
2029	40	1,009	2,909	3,959	0	0	0	3,959
2030	72	1,032	2,975	4,079	0	0	0	4,079
2031	-52	1,055	3,042	4,045	0	0	0	4,045
2032	-68	1,079	3,110	4,121	0	0	0	4,121
2033	-95	1,103	3,180	4,188	0	0	0	4,188
2034	-118	1,128	3,252	4,262	0	0	0	4,262
2035	-134	1,153	3,325	4,344	0	0	0	4,344
2036	-145	1,179	3,399	4,434	0	0	0	4,434
2037	-188	1,206	3,476	4,494	0	0	0	4,494
2038	-263	1,233	3,554	4,524	0	0	0	4,524
2039	-238	1,261	3,634	4,657	0	0	0	4,657
2040	-387	1,289	3,716	4,618	0	0	0	4,618
2041	-458	1,318	3,800	4,660	0	0	0	4,660
NOMINAL	-3,049	27,770	80,063	104,784	1,289	0	1,289	103,495
NPV	-969	12,011	34,629	45,672	1,289	0	1,289	44,383

Utility Discount Rate = 6.75
Benefit Cost Ratio = 35.427

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	33	97	279	409	85	0	85	323
2015	35	99	285	419	0	0	0	419
2016	-24	101	291	368	0	0	0	368
2017	-31	103	298	370	0	0	0	370
2018	-14	106	305	396	0	0	0	396
2019	-23	108	311	396	0	0	0	396
2020	-10	110	318	419	0	0	0	419
2021	-9	113	326	430	0	0	0	430
2022	-1	115	333	448	0	0	0	448
2023	0	118	340	459	0	0	0	459
2024	-4	121	348	465	0	0	0	465
2025	-17	123	356	462	0	0	0	462
2026	-8	126	364	482	0	0	0	482
2027	1	129	372	502	0	0	0	502
2028	-1	132	380	512	0	0	0	512
2029	8	135	389	532	0	0	0	532
2030	15	138	398	551	0	0	0	551
2031	0	141	407	548	0	0	0	548
2032	-4	144	416	556	0	0	0	556
2033	-8	147	425	565	0	0	0	565
2034	-9	151	435	576	0	0	0	576
2035	-9	154	445	590	0	0	0	590
2036	-9	158	455	603	0	0	0	603
2037	-15	161	465	611	0	0	0	611
2038	-26	165	475	614	0	0	0	614
2039	-22	169	486	632	0	0	0	632
2040	-42	172	497	627	0	0	0	627
2041	-52	176	508	632	0	0	0	632
NOMINAL	-247	3,714	10,706	14,173	85	0	85	14,088
NPV	-67	1,606	4,631	6,170	85	0	85	6,085

Utility Discount Rate = 6.75
Benefit Cost Ratio = 72.514

DEP Cost-Effectiveness Results by Program
VY's 2015 - 2016

Appliance Recycling Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$226,276	\$1,668,921	\$165,721	\$2,060,919	\$684,386	\$350,000	\$0	\$1,026,533	1.99	\$1,376,533	3.01
2016	6.78%	\$173,701	\$1,910,343	\$301,963	\$2,386,007	\$743,068	\$350,000	\$0	\$1,292,939	2.18	\$1,642,939	3.21

*All costs are in NPV\$

K-12 Education Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$227,264	\$649,803	\$60,832	\$937,898	\$678,935	\$177,232	\$0	\$81,731	1.10	\$258,963	1.38
2016	6.78%	\$154,039	\$665,614	\$97,726	\$917,379	\$711,620	\$260,920	\$0	-\$55,161	0.94	\$205,759	1.29

*All costs are in NPV\$

Home Energy Improvement Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$2,803,750	\$2,308,999	\$1,609,518	\$6,722,267	\$1,036,086	\$2,877,755	\$5,015,381	\$2,808,426	1.72	\$670,801	1.11
2016	6.78%	\$1,121,115	\$1,411,681	\$1,484,183	\$4,016,979	\$1,403,686	\$1,759,435	\$3,007,175	\$853,858	1.27	-\$393,882	0.91

*All costs are in NPV\$

Multi-Family Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$667,700	\$4,147,865	\$430,320	\$5,245,885	\$1,308,577	\$1,272,039	\$0	\$2,665,269	2.03	\$3,937,309	4.01
2016	6.78%	\$377,183	\$3,669,676	\$556,383	\$4,603,242	\$1,274,945	\$743,632	\$0	\$2,584,666	2.28	\$3,328,297	3.61

*All costs are in NPV\$

MyHER Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$2,355,982	\$5,471,379	\$1,521,143	\$9,348,504	\$6,167,669	\$0	\$0	\$3,180,835	1.52	\$3,180,835	1.52
2016	6.78%	\$1,671,325	\$5,526,463	\$2,538,447	\$9,736,234	\$6,456,769	\$0	\$0	\$3,279,466	1.51	\$3,279,466	1.51

*All costs are in NPV\$

Neighborhood Energy Saver Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$193,096	\$731,641	\$79,815	\$1,004,553	\$642,922	\$1,089,000	\$0	-\$727,370	0.58	\$361,630	1.56
2016	6.78%	\$138,067	\$783,147	\$135,408	\$1,056,622	\$698,261	\$1,089,000	\$0	-\$730,639	0.59	\$358,361	1.51

*All costs are in NPV\$

Residential New Construction Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$3,749,741	\$9,774,784	\$2,392,389	\$15,916,914	\$1,078,385	\$8,303,750	\$8,028,474	\$6,534,779	1.70	\$6,810,055	1.75
2016	6.78%	\$3,035,582	\$10,551,295	\$4,657,096	\$18,243,973	\$3,042,659	\$10,331,250	\$9,894,684	\$4,870,064	1.36	\$5,306,630	1.41

*All costs are in NPV\$

Energy Efficiency Lighting Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$5,068,272	\$27,794,476	\$3,711,935	\$36,574,683	\$2,865,921	\$7,624,621	\$7,639,796	\$26,084,141	3.49	\$26,068,966	3.48
2016	6.78%	\$4,261,601	\$34,905,620	\$7,418,182	\$46,585,403	\$2,331,799	\$7,805,956	N/A	\$36,447,648	4.60	N/A	N/A

*All costs are in NPV\$

Energy Efficiency for Business Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$5,096,836	\$32,173,520	\$3,732,853	\$41,003,209	\$944,631	\$6,017,123	\$17,226,000	\$34,041,454	5.89	\$22,832,577	2.26
2016	6.78%	\$4,155,978	\$38,740,711	\$7,227,400	\$50,124,089	\$2,194,332	\$6,165,660	\$18,461,300	\$41,764,096	6.00	\$29,468,457	2.43

*All costs are in NPV\$

Small Business Energy Saver Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$6,076,273	\$21,717,616	\$4,450,176	\$32,244,066	\$867,778	\$9,950,573	\$16,983,979	\$21,425,715	2.98	\$14,392,309	1.81
2016	6.78%	\$3,495,433	\$20,542,119	\$6,076,969	\$30,114,521	\$1,255,307	\$8,967,615	\$13,064,483	\$19,891,600	2.95	\$15,794,732	2.10

*All costs are in NPV\$

EnergyWise Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$27,438,362	\$0	\$22,976,963	\$50,415,325	\$741,029	\$4,160,591	\$0	\$45,513,705	10.29	\$49,674,296	68.03
2016	6.78%	\$17,615,120	\$0	\$30,771,103	\$48,386,223	\$730,158	\$3,926,968	\$0	\$43,729,097	10.39	\$47,656,064	66.27

*All costs are in NPV\$

CIG Demand Response Automation Program												
Vintage Year	Discount Rate	Avoided Cost				Utility Program Costs		Participant	UCT	UCT	TRC	TRC
		T&D	Production	Capacity	Total	Program	Incentives	Cost	Net Benefits	B/C Ratio	Net Benefits	B/C Ratio
2015	6.75%	\$5,342,353	\$0	\$4,472,990	\$9,815,343	\$40,220	\$3,321,346	\$29	\$6,453,777	2.92	\$9,775,094	243.87
2016	6.78%	\$19,081,447	\$0	\$33,348,913	\$52,430,360	\$262,383	\$16,566,003	N/A	\$35,601,974	3.12	N/A	N/A

*All costs are in NPV\$

Work Papers

Section R – DSM/EE Revenues

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

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	Jan-14	Per Books	\$ 991,520.10	\$ 159,963.08	\$ (78,981.03)	\$ 80,982.05	\$ -	\$ -	\$ -	\$ 1,072,502.15
2	Feb-14	Per Books	962,362.54	149,167.11	(75,089.18)	74,077.93	-	-	-	1,036,440.46
3	Mar-14	Per Books	769,349.33	139,578.23	(71,780.83)	67,797.40	-	-	-	837,146.72
4	Apr-14	Per Books	682,138.19	156,359.82	(81,838.46)	74,521.36	-	-	-	756,659.55
5	May-14	Per Books	550,313.79	149,308.36	(77,839.57)	71,468.79	-	-	-	621,782.58
6	Jun-14	Per Books	698,225.54	167,766.92	(85,087.64)	82,679.28	-	-	-	780,904.82
7	Jul-14	Per Books	821,028.43	179,200.84	(90,243.25)	88,957.59	-	-	-	909,986.02
8	Aug-14	Per Books	721,076.28	170,628.22	(87,302.86)	83,325.36	-	-	-	804,401.64
9	Sep-14	Per Books	763,712.17	182,865.92	(91,924.89)	90,941.03	-	-	-	854,653.20
10	Oct-14	Per Books	553,259.06	165,190.65	(84,524.17)	80,666.48	-	-	-	633,925.54
11	Nov-14	Per Books	508,332.44	132,641.00	(71,632.23)	61,008.77	-	-	-	569,341.21
12	Dec-14	Per Books	994,771.61	186,080.61	(92,043.23)	94,037.38	-	-	-	1,088,808.99
13	Period Totals	Σ Lines 1 thru 12	\$ 9,016,089.47	\$ 1,938,750.75	\$ (988,287.34)	\$ 950,463.41	\$ -	\$ -	\$ -	\$ 9,966,552.88
14	Jan-14	Docket E-2 Sub 1044	\$ 991,520.10	\$ 159,963.08	\$ (78,981.03)	\$ 80,982.05	\$ -	\$ -	\$ -	\$ 1,072,502.15
15	Feb-14	Docket E-2 Sub 1044	962,362.54	149,167.11	(75,089.18)	74,077.93	-	-	-	1,036,440.46
16	Mar-14	Docket E-2 Sub 1044	769,349.33	139,578.23	(71,780.83)	67,797.40	-	-	-	837,146.72
17	Apr-14	Docket E-2 Sub 1044	682,138.19	156,359.82	(81,838.46)	74,521.36	-	-	-	756,659.55
18	May-14	Docket E-2 Sub 1044	550,313.79	149,308.36	(77,839.57)	71,468.79	-	-	-	621,782.58
19	Jun-14	Docket E-2 Sub 1044	698,225.54	167,766.92	(85,087.64)	82,679.28	-	-	-	780,904.82
20	Jul-14	Docket E-2 Sub 1044	821,028.43	179,200.84	(90,243.25)	88,957.59	-	-	-	909,986.02
Less: Amounts recovered in										
21	Docket E-2 Sub 1044	Σ Lines 14 thru 20	5,474,937.91	1,101,344.35	(560,859.96)	540,484.39	-	-	-	6,015,422.30
22	Revised Test Period	Line 13- Line 21	\$ 3,541,151.56	\$ 837,406.40	\$ (427,427.38)	\$ 409,979.02	\$ -	\$ -	\$ -	\$ 3,951,130.58

B. NC DSDR Program Recovery

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
23	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
24	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
25	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
26	Apr-14	Per Books	1,296,074.14	1,848,540.57	(967,520.30)	881,020.27	38,418.11	(1,203.63)	37,214.48	2,214,308.89
27	May-14	Per Books	1,045,596.79	1,765,156.33	(920,236.69)	844,919.64	36,532.17	(1,172.91)	35,359.26	1,925,875.69
28	Jun-14	Per Books	1,326,629.78	1,983,382.35	(1,005,924.97)	977,457.38	37,152.76	(1,288.32)	35,864.44	2,339,951.60
29	Jul-14	Per Books	1,559,953.92	2,118,551.16	(1,066,875.78)	1,051,675.38	38,698.16	(1,308.50)	37,389.66	2,649,018.96
30	Aug-14	Per Books	1,370,044.54	2,017,188.13	(1,032,097.88)	985,090.25	37,459.51	(1,242.24)	36,217.27	2,391,352.06
31	Sep-14	Per Books	1,451,052.99	2,161,884.46	(1,086,756.51)	1,075,127.95	37,504.08	(1,277.88)	36,226.20	2,562,407.14
32	Oct-14	Per Books	1,051,189.61	1,952,920.23	(999,263.58)	953,656.65	38,601.89	(1,328.55)	37,273.34	2,042,119.60
33	Nov-14	Per Books	965,836.38	1,568,111.03	(846,852.10)	721,258.93	35,354.38	(1,111.06)	34,243.32	1,721,338.63
34	Dec-14	Per Books	1,585,620.41	1,834,379.81	(933,319.08)	901,060.73	38,818.97	(1,390.68)	37,428.29	2,524,109.43
35	Period Totals	Σ Lines 23 thru 34	\$ 16,826,303.42	\$ 22,568,060.46	\$ (11,541,921.76)	\$ 11,026,138.70	\$ 451,658.50	\$ (14,990.96)	\$ 436,667.54	\$ 28,289,109.66
36	Jan-14	Docket E-2 Sub 1044	\$ 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
37	Feb-14	Docket E-2 Sub 1044	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
38	Mar-14	Docket E-2 Sub 1044	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
39	Apr-14	Docket E-2 Sub 1044	1,296,074.14	1,848,540.57	(967,520.30)	881,020.27	38,418.11	(1,203.63)	37,214.48	2,214,308.89
40	May-14	Docket E-2 Sub 1044	1,045,596.79	1,765,156.33	(920,236.69)	844,919.64	36,532.17	(1,172.91)	35,359.26	1,925,875.69
41	Jun-14	Docket E-2 Sub 1044	1,326,629.78	1,983,382.35	(1,005,924.97)	977,457.38	37,152.76	(1,288.32)	35,864.44	2,339,951.60
42	Jul-14	Docket E-2 Sub 1044	1,559,953.92	2,118,551.16	(1,066,875.78)	1,051,675.38	38,698.16	(1,308.50)	37,389.66	2,649,018.96
Less: Amounts recovered in										
43	Docket E-2 Sub 1044	Σ Lines 36 thru 42	\$ 10,402,559.49	\$ 13,033,576.80	\$ (6,643,632.61)	\$ 6,389,944.19	\$ 263,919.67	\$ (8,640.55)	\$ 255,279.12	\$ 17,047,782.80
44	Revised Test Period	Line 35- Line 43	\$ 6,423,743.93	\$ 9,534,483.66	\$ (4,898,289.15)	\$ 4,636,194.51	\$ 187,738.83	\$ (6,350.41)	\$ 181,388.42	\$ 11,241,326.86

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

C. NC EE Program Recovery

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
45	Jan-14	Per Books	2,383,449.25	2,066,951.19	(1,061,486.29)	1,005,464.90	-	-	-	3,388,914.15
46	Feb-14	Per Books	2,313,235.01	1,849,682.14	(931,105.80)	918,576.34	-	-	-	3,231,811.34
47	Mar-14	Per Books	1,849,153.08	1,730,747.98	(890,082.29)	840,665.69	-	-	-	2,689,818.76
48	Apr-14	Per Books	1,639,592.28	1,939,007.59	(1,014,865.79)	924,141.80	-	-	-	2,563,734.08
49	May-14	Per Books	1,322,720.67	1,851,421.60	(965,210.66)	886,210.94	-	-	-	2,208,931.61
50	Jun-14	Per Books	1,678,237.45	2,080,299.77	(1,055,086.72)	1,025,213.05	-	-	-	2,703,450.50
51	Jul-14	Per Books	1,973,400.29	2,222,098.73	(1,119,016.33)	1,103,082.40	-	-	-	3,076,482.69
52	Aug-14	Per Books	1,733,157.55	2,115,685.47	(1,082,455.04)	1,033,230.43	-	-	-	2,766,387.98
53	Sep-14	Per Books	1,835,636.47	2,267,553.67	(1,139,868.67)	1,127,685.00	-	-	-	2,963,321.47
54	Oct-14	Per Books	1,329,792.22	2,048,361.58	(1,048,099.76)	1,000,261.82	-	-	-	2,330,054.04
55	Nov-14	Per Books	1,221,823.07	1,644,745.57	(888,239.61)	756,505.96	-	-	-	1,978,329.03
56	Dec-14	Per Books	2,665,383.63	2,716,220.01	(1,314,521.16)	1,401,698.85	-	-	-	4,067,082.48
57	Period Totals	Σ Lines 45 thru 56	\$ 21,945,580.96	\$ 24,532,775.29	\$ (12,510,038.12)	\$ 12,022,737.17	\$ -	\$ -	\$ -	\$ 33,968,318.13
58	Jan-14	Docket E-2 Sub 1044	2,383,449.25	2,066,951.19	(1,061,486.29)	1,005,464.90	-	-	-	3,388,914.15
59	Feb-14	Docket E-2 Sub 1044	2,313,235.01	1,849,682.14	(931,105.80)	918,576.34	-	-	-	3,231,811.34
60	Mar-14	Docket E-2 Sub 1044	1,849,153.08	1,730,747.98	(890,082.29)	840,665.69	-	-	-	2,689,818.76
61	Apr-14	Docket E-2 Sub 1044	1,639,592.28	1,939,007.59	(1,014,865.79)	924,141.80	-	-	-	2,563,734.08
62	May-14	Docket E-2 Sub 1044	1,322,720.67	1,851,421.60	(965,210.66)	886,210.94	-	-	-	2,208,931.61
63	Jun-14	Docket E-2 Sub 1044	1,678,237.45	2,080,299.77	(1,055,086.72)	1,025,213.05	-	-	-	2,703,450.50
64	Jul-14	Docket E-2 Sub 1044	1,973,400.29	2,222,098.73	(1,119,016.33)	1,103,082.40	-	-	-	3,076,482.69
Less: Amounts recovered in										
65	Docket E-2 Sub 1044	Σ Lines 58 thru 64	13,159,788.02	13,740,208.99	(7,036,853.88)	6,703,355.11	-	-	-	19,863,143.13
61	Revised Test Period	Line 57- Line 65	\$ 8,785,792.94	\$ 10,792,566.30	\$ (5,473,184.24)	\$ 5,319,382.06	\$ -	\$ -	\$ -	\$ 14,105,175.00

D. NC Total DSM/DSDR/EE Recovery

			General Service				Lighting			Total
			Residential	Billing Amounts	Opt-Out Credits	Net Billings	Billing Amounts	Opt-Out Credits	Net Billings	
66	Jan-14	Σ Lines 1, 23 & 45	5,258,984.38	4,131,251.04	(2,087,212.33)	2,044,038.71	38,692.11	(1,245.91)	37,446.20	7,340,469.29
67	Feb-14	Σ Lines 2, 24 & 46	5,104,142.02	3,762,337.52	(1,893,915.92)	1,868,421.60	37,706.77	(1,225.49)	36,481.28	7,009,044.89
68	Mar-14	Σ Lines 3, 25 & 47	4,080,247.76	3,520,447.55	(1,810,472.04)	1,709,975.51	36,719.59	(1,195.79)	35,523.80	5,825,747.06
69	Apr-14	Σ Lines 4, 26 & 48	3,617,804.61	3,943,907.98	(2,064,224.55)	1,879,683.43	38,418.11	(1,203.63)	37,214.48	5,534,702.52
70	May-14	Σ Lines 5, 27 & 49	2,918,631.25	3,765,886.29	(1,963,286.92)	1,802,599.37	36,532.17	(1,172.91)	35,359.26	4,756,589.88
71	Jun-14	Σ Lines 6, 28 & 50	3,703,092.77	4,231,449.04	(2,146,099.33)	2,085,349.71	37,152.76	(1,288.32)	35,864.44	5,824,306.92
72	Jul-14	Σ Lines 7, 29 & 51	4,354,382.64	4,519,850.73	(2,276,135.36)	2,243,715.37	38,698.16	(1,308.50)	37,389.66	6,635,487.67
73	Aug-14	Σ Lines 8, 30 & 52	3,824,278.37	4,303,501.82	(2,201,855.78)	2,101,646.04	37,459.51	(1,242.24)	36,217.27	5,962,141.68
74	Sep-14	Σ Lines 9, 31 & 53	4,050,401.63	4,612,304.05	(2,318,550.07)	2,293,753.98	37,504.08	(1,277.88)	36,226.20	6,380,381.81
75	Oct-14	Σ Lines 10, 32 & 54	2,934,240.89	4,166,472.46	(2,131,887.51)	2,034,584.95	38,601.89	(1,328.55)	37,273.34	5,006,099.18
76	Nov-14	Σ Lines 11, 33 & 55	2,695,991.89	3,345,497.60	(1,806,723.94)	1,538,773.66	35,354.38	(1,111.06)	34,243.32	4,269,008.87
77	Dec-14	Σ Lines 12, 34 & 56	5,245,775.65	4,736,680.43	(2,339,883.47)	2,396,796.96	38,818.97	(1,390.68)	37,428.29	7,680,000.90
78	Period Totals	Σ Lines 66 thru 77	\$ 47,787,973.85	\$ 49,039,586.50	\$ (25,040,247.22)	\$ 23,999,339.28	\$ 451,658.50	\$ (14,990.96)	\$ 436,667.54	\$ 72,223,980.67
79	Jan-14	Σ Lines 14, 36 & 58	5,258,984.38	4,131,251.04	(2,087,212.33)	2,044,038.71	38,692.11	(1,245.91)	37,446.20	7,340,469.29
80	Feb-14	Σ Lines 15, 37 & 59	5,104,142.02	3,762,337.52	(1,893,915.92)	1,868,421.60	37,706.77	(1,225.49)	36,481.28	7,009,044.89
81	Mar-14	Σ Lines 16, 38 & 60	4,080,247.76	3,520,447.55	(1,810,472.04)	1,709,975.51	36,719.59	(1,195.79)	35,523.80	5,825,747.06
82	Apr-14	Σ Lines 17, 39 & 61	3,617,804.61	3,943,907.98	(2,064,224.55)	1,879,683.43	38,418.11	(1,203.63)	37,214.48	5,534,702.52
83	May-14	Σ Lines 18, 40 & 62	2,918,631.25	3,765,886.29	(1,963,286.92)	1,802,599.37	36,532.17	(1,172.91)	35,359.26	4,756,589.88
84	Jun-14	Σ Lines 19, 41 & 63	3,703,092.77	4,231,449.04	(2,146,099.33)	2,085,349.71	37,152.76	(1,288.32)	35,864.44	5,824,306.92
85	Jul-14	Σ Lines 20, 42 & 64	4,354,382.64	4,519,850.73	(2,276,135.36)	2,243,715.37	38,698.16	(1,308.50)	37,389.66	6,635,487.67
Less: Amounts recovered in										
86	Docket E-2 Sub 1044	Σ Lines 79 thru 85	\$ 29,037,285.42	\$ 27,875,130.14	\$ (14,241,346.45)	\$ 13,633,783.69	\$ 263,919.67	\$ (8,640.55)	\$ 255,279.12	\$ 42,926,348.23
87	Revised Test Period	Σ Lines 78 -86	\$ 18,750,688.43	\$ 21,164,456.36	\$ (10,798,900.77)	\$ 10,365,555.59	\$ 187,738.83	\$ (6,350.41)	\$ 181,388.42	\$ 29,297,632.44

DSM/EE Sales Summary (Actual kWh)

	General Service				Lighting			Total		
	Residential	Total	Opt-Outs	Net	Total	Opt-Outs	Net	Total	Opt-Outs	Net
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
Apr-14	1,218,110,298	1,737,287,006	(909,293,313)	827,993,693	38,046,992	(1,191,715)	36,855,277	2,993,444,296	(910,485,028)	2,082,959,268
May-14	982,704,194	1,658,982,425	(864,884,105)	794,098,320	36,170,467	(1,161,295)	35,009,172	2,677,857,086	(866,045,400)	1,811,811,686
Jun-14	1,246,831,909	1,864,087,128	(945,418,208)	918,668,920	36,784,992	(1,275,565)	35,509,427	3,147,704,029	(946,693,773)	2,201,010,256
Jul-14	1,466,122,151	1,991,115,354	(1,002,702,803)	988,412,551	38,315,009	(1,295,546)	37,019,463	3,495,552,514	(1,003,998,349)	2,491,554,165
Aug-14	1,287,636,030	1,895,898,153	(970,059,727)	925,838,426	37,088,627	(1,229,940)	35,858,687	3,220,622,810	(971,289,667)	2,249,333,143
Sep-14	1,363,771,672	2,031,839,427	(1,021,387,700)	1,010,451,727	37,132,779	(1,265,229)	35,867,550	3,432,743,878	(1,022,652,929)	2,410,090,949
Oct-14	987,961,203	1,835,452,408	(939,157,495)	896,294,913	38,219,699	(1,315,398)	36,904,301	2,861,633,310	(940,472,893)	1,921,160,417
Nov-14	907,738,925	1,473,789,800	(795,913,626)	677,876,174	35,004,174	(1,100,064)	33,904,110	2,416,532,899	(797,013,690)	1,619,519,209
Dec-14	1,518,664,260	1,750,294,342	(888,300,996)	861,993,346	38,266,935	(1,371,507)	36,895,428	3,307,225,537	(889,672,503)	2,417,553,034
Totals	15,842,551,556	21,201,162,878	(10,823,697,100)	10,377,465,778	447,022,881	(14,836,085)	432,186,796	37,490,737,315	(10,838,533,185)	26,652,204,130

DSM/EE Sales Summary (Forecasted kWh)

	General Service				Lighting			Total		
	Residential	Total	Opt-Outs	Net	Total	Opt-Outs	Net	Total	Opt-Outs	Net
Jan-16	1,702,151,183	1,683,560,372	(854,690,162)	828,870,210	39,548,560	(1,232,519)	38,316,041	3,425,260,115	(855,922,681)	2,569,337,434
Feb-16	1,485,069,889	1,612,287,118	(834,324,193)	777,962,925	38,131,048	(1,213,357)	36,917,691	3,135,488,055	(835,537,550)	2,299,950,505
Mar-16	1,220,305,709	1,666,614,960	(797,564,772)	869,050,188	39,241,566	(1,183,950)	38,057,616	2,926,162,235	(798,748,722)	2,127,413,513
Apr-16	938,796,287	1,677,096,816	(909,293,313)	767,803,503	39,327,299	(1,191,715)	38,135,584	2,655,220,402	(910,485,028)	1,744,735,374
May-16	1,078,388,550	1,787,602,822	(864,884,105)	922,718,717	41,759,317	(1,161,295)	40,598,022	2,907,750,689	(866,045,400)	2,041,705,289
Jun-16	1,388,303,798	1,923,760,487	(945,418,208)	978,342,279	44,146,937	(1,275,565)	42,871,372	3,356,211,222	(946,693,773)	2,409,517,449
Jul-16	1,547,766,848	2,024,926,396	(1,002,702,803)	1,022,223,593	45,995,852	(1,295,546)	44,700,306	3,618,689,095	(1,003,998,349)	2,614,690,746
Aug-16	1,482,988,542	2,016,809,242	(970,059,727)	1,046,749,515	45,495,719	(1,229,940)	44,265,779	3,545,293,502	(971,289,667)	2,574,003,835
Sep-16	1,149,011,939	1,841,344,396	(1,021,387,700)	819,956,696	42,163,979	(1,265,229)	40,898,750	3,032,520,314	(1,022,652,929)	2,009,867,385
Oct-16	964,742,511	1,717,914,223	(939,157,495)	778,756,728	39,862,188	(1,315,398)	38,546,790	2,722,518,922	(940,472,893)	1,782,046,029
Nov-16	1,182,518,730	1,653,202,577	(795,913,626)	857,288,951	38,739,808	(1,100,064)	37,639,744	2,874,461,115	(797,013,690)	2,077,447,425
Dec-16	1,575,931,753	1,685,593,792	(888,300,996)	797,292,796	39,562,758	(1,371,507)	38,191,251	3,301,088,303	(889,672,503)	2,411,415,800
Totals	15,715,975,740	21,290,713,200	(10,823,697,100)	10,467,016,100	493,975,031	(14,836,085)	479,138,946	37,500,663,970	(10,838,533,185)	26,662,130,785

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

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

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

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	-	33,061.74	-	33,061.74	\$ 0.00094
Total	2,162,314,353	\$ 1,092,246.13	\$ 2,228,431.56	\$ 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	\$ 1,639,592.28	\$ 3,617,804.61	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,218,110,298	\$ 682,138.19	\$ 1,296,074.14	\$ 1,639,592.28	\$ 3,617,804.61	\$ 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	941,956.37	988,084.76	2,009,716.71	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)	(81,838.46)	(967,520.30)	(1,014,865.79)	(2,064,224.55)	0.00227
Net General Service	827,993,693	\$ 74,521.36	\$ 881,020.27	\$ 924,141.80	\$ 1,879,683.43	\$ 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	\$ 756,659.55	\$ 2,214,308.89	\$ 2,563,734.08	\$ 5,534,702.52	NA

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)	(13,364.05)	109,725.85	84,404.50	0.00012
Less: Opt-Outs	(909,293,313)	15,459.04	17,288.92	(141,960.95)	(109,212.99)	0.00012
Net General Service	827,993,693	\$ (14,076.72)	\$ (15,743.18)	\$ 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	\$ 223,447.85	\$ (65,830.03)	\$ (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	\$ 1,327,774.93	\$ 3,496,003.81	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,218,110,298	\$ 919,662.76	\$ 1,248,566.12	\$ 1,327,774.93	\$ 3,496,003.81	\$ 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	925,118.58	1,126,351.01	2,116,094.44	0.00239
Large General Service	703,370,826	51,346.07	735,022.51	894,687.69	1,681,056.27	0.00239
Less: Opt-Outs	(909,293,313)	(66,379.42)	(950,231.38)	(1,156,826.74)	(2,173,437.54)	0.00239
Net General Service	827,993,693	\$ 60,444.64	\$ 865,277.09	\$ 1,053,420.12	\$ 1,979,141.85	\$ 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	-	34,636	-	34,635.65	\$ 0.00094
Total	2,082,959,268	\$ 980,107.40	\$ 2,148,478.86	\$ 2,381,195.05	\$ 5,509,781.31	NA

Source: RMCY4
State: North Carolina

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

Month of May 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	982,704,194	\$ 550,313.79	\$ 1,045,596.79	\$ 1,322,720.67	\$ 2,918,631.25	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	982,704,194	\$ 550,313.79	\$ 1,045,596.79	\$ 1,322,720.67	\$ 2,918,631.25	\$ 0.00297
Small General Service	133,392,933	\$ 12,005.39	\$ 141,930.56	\$ 148,867.90	\$ 302,803.85	\$ 0.00227
Medium General Svc	863,375,128	77,703.68	918,629.69	963,522.47	1,959,855.84	0.00227
Large General Service	662,214,364	59,599.29	704,596.08	739,031.23	1,503,226.60	0.00227
Less: Opt-Outs	(864,884,105)	(77,839.57)	(920,236.69)	(965,210.66)	(1,963,286.92)	0.00227
Net General Service	794,098,320	\$ 71,468.79	\$ 844,919.64	\$ 886,210.94	\$ 1,802,599.37	\$ 0.00227
Lighting	36,170,467	\$ -	\$ 36,532.17	\$ -	\$ 36,532.17	\$ 0.00101
Less: Opt Outs	(1,161,295)	-	(1,172.91)	-	(1,172.91)	0.00101
Net Lighting	35,009,172	\$ -	\$ 35,359.26	\$ -	\$ 35,359.26	\$ 0.00101
Total	1,811,811,686	\$ 621,782.58	\$ 1,925,875.69	\$ 2,208,931.61	\$ 4,756,589.88	NA

Source: RMCY6
State: North Carolina

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

Month of May 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	982,704,194	\$ 191,626.52	\$ (38,325.81)	\$ (251,570.42)	\$ (98,269.71)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	982,704,194	\$ 191,626.52	\$ (38,325.81)	\$ (251,570.42)	\$ (98,269.71)	\$ (0.00010)
Small General Service	133,392,933	\$ (2,267.69)	\$ (2,534.62)	\$ 20,810.82	\$ 16,008.51	\$ 0.00012
Medium General Svc	863,375,128	(14,677.34)	(16,403.66)	134,681.91	103,600.91	0.00012
Large General Service	662,214,364	(11,257.64)	(12,582.07)	103,305.44	79,465.73	0.00012
Less: Opt-Outs	(864,884,105)	14,703.03	16,432.78	(134,921.92)	(103,786.11)	0.00012
Net General Service	794,098,320	\$ (13,499.64)	\$ (15,087.57)	\$ 123,876.25	\$ 95,289.04	\$ 0.00012
Lighting	36,170,467	\$ -	\$ (2,531.93)	\$ -	\$ (2,531.93)	\$ (0.00007)
Less: Opt Outs	(1,161,295)	-	81.29	-	81.29	(0.00007)
Net Lighting	35,009,172	-	(2,450.64)	-	(2,450.64)	\$ (0.00007)
Total	1,811,811,686	\$ 178,126.88	\$ (55,864.02)	\$ (127,694.17)	\$ (5,431.31)	NA

Σ DSM/EE Rate and EMF
State: North Carolina

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

Month of May 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	982,704,194	\$ 741,940.31	\$ 1,007,270.98	\$ 1,071,150.25	\$ 2,820,361.54	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	982,704,194	\$ 741,940.31	\$ 1,007,270.98	\$ 1,071,150.25	\$ 2,820,361.54	\$ 0.00287
Small General Service	133,392,933	\$ 9,737.70	\$ 139,395.94	\$ 169,678.72	\$ 318,812.36	0.00239
Medium General Svc	863,375,128	63,026.34	902,226.03	1,098,204.38	2,063,456.75	0.00239
Large General Service	662,214,364	48,341.65	692,014.01	842,336.67	1,582,692.33	0.00239
Less: Opt-Outs	(864,884,105)	(63,136.54)	(903,803.91)	(1,100,132.58)	(2,067,073.03)	0.00239
Net General Service	794,098,320	\$ 57,969.15	\$ 829,832.07	\$ 1,010,087.19	\$ 1,897,888.41	\$ 0.00239
Lighting	36,170,467	\$ -	\$ 34,000.24	\$ -	\$ 34,000.24	\$ 0.00094
Less: Opt Outs	(1,161,295)	-	(1,091.62)	-	(1,091.62)	0.00094
Net Lighting	35,009,172	-	32,908.62	-	32,908.62	\$ 0.00094
Total	1,811,811,686	\$ 799,909.46	\$ 1,870,011.67	\$ 2,081,237.44	\$ 4,751,158.57	NA

Source: RMCY4
State: North Carolina

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

Month of June 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,246,831,909	\$ 698,225.54	\$ 1,326,629.78	\$ 1,678,237.45	\$ 3,703,092.77	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,246,831,909	\$ 698,225.54	\$ 1,326,629.78	\$ 1,678,237.45	\$ 3,703,092.77	\$ 0.00297
Small General Service	162,436,058	\$ 14,618.84	\$ 172,834.89	\$ 181,283.92	\$ 368,737.65	\$ 0.00227
Medium General Svc	983,030,480	88,472.23	1,045,935.15	1,097,035.27	2,231,442.65	0.00227
Large General Service	718,620,590	64,675.85	764,612.31	801,980.58	1,631,268.74	0.00227
Less: Opt-Outs	(945,418,208)	(85,087.64)	(1,005,924.97)	(1,055,086.72)	(2,146,099.33)	0.00227
Net General Service	918,668,920	\$ 82,679.28	\$ 977,457.38	\$ 1,025,213.05	\$ 2,085,349.71	\$ 0.00227
Lighting	36,784,992	\$ -	\$ 37,152.76	\$ -	\$ 37,152.76	\$ 0.00101
Less: Opt Outs	(1,275,565)	-	(1,288.32)	-	(1,288.32)	0.00101
Net Lighting	35,509,427	\$ -	\$ 35,864.44	\$ -	\$ 35,864.44	\$ 0.00101
Total	2,201,010,256	\$ 780,904.82	\$ 2,339,951.60	\$ 2,703,450.50	\$ 5,824,306.92	NA

Source: RMCY6
State: North Carolina

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

Month of June 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,246,831,909	\$ 243,131.55	\$ (48,626.59)	\$ (319,187.08)	\$ (124,682.12)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,246,831,909	\$ 243,131.55	\$ (48,626.59)	\$ (319,187.08)	\$ (124,682.12)	\$ (0.00010)
Small General Service	162,436,058	\$ (2,760.92)	\$ (3,083.45)	\$ 25,332.38	\$ 19,488.01	\$ 0.00012
Medium General Svc	983,030,480	(16,711.30)	(18,674.58)	153,323.23	117,937.35	0.00012
Large General Service	718,620,590	(12,216.55)	(13,653.79)	112,104.81	86,234.47	0.00012
Less: Opt-Outs	(945,418,208)	16,072.11	17,962.95	(147,485.24)	(113,450.18)	0.00012
Net General Service	918,668,920	\$ (15,616.66)	\$ (17,448.87)	\$ 143,275.18	\$ 110,209.65	\$ 0.00012
Lighting	36,784,992	\$ -	\$ (2,574.93)	\$ -	\$ (2,574.93)	\$ (0.00007)
Less: Opt Outs	(1,275,565)	-	89.29	-	89.29	(0.00007)
Net Lighting	35,509,427	-	(2,485.64)	-	(2,485.64)	\$ (0.00007)
Total	2,201,010,256	\$ 227,514.89	\$ (68,561.10)	\$ (175,911.90)	\$ (16,958.11)	NA

Σ DSM/EE Rate and EMF
State: North Carolina

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

Month of June 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,246,831,909	\$ 941,357.09	\$ 1,278,003.19	\$ 1,359,050.37	\$ 3,578,410.65	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,246,831,909	\$ 941,357.09	\$ 1,278,003.19	\$ 1,359,050.37	\$ 3,578,410.65	\$ 0.00287
Small General Service	162,436,058	\$ 11,857.92	\$ 169,751.44	\$ 206,616.30	\$ 388,225.66	0.00239
Medium General Svc	983,030,480	71,760.93	1,027,260.57	1,250,358.50	2,349,380.00	0.00239
Large General Service	718,620,590	52,459.30	750,958.52	914,085.39	1,717,503.21	0.00239
Less: Opt-Outs	(945,418,208)	(69,015.53)	(987,962.02)	(1,202,571.96)	(2,259,549.51)	0.00239
Net General Service	918,668,920	\$ 67,062.62	\$ 960,008.51	\$ 1,168,488.23	\$ 2,195,559.36	\$ 0.00239
Lighting	36,784,992	\$ -	\$ 34,577.83	\$ -	\$ 34,577.83	\$ 0.00094
Less: Opt Outs	(1,275,565)	-	(1,199.03)	-	(1,199.03)	0.00094
Net Lighting	35,509,427	-	33,378.80	-	33,378.80	\$ 0.00094
Total	2,201,010,256	\$ 1,008,419.71	\$ 2,271,390.50	\$ 2,527,538.60	\$ 5,807,348.81	NA

Source: RMCY4

State: North Carolina

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

Month of July 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,466,122,151	\$ 821,028.43	\$ 1,559,953.92	\$ 1,973,400.29	\$ 4,354,382.64	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,466,122,151	\$ 821,028.43	\$ 1,559,953.92	\$ 1,973,400.29	\$ 4,354,382.64	\$ 0.00297
Small General Service	180,990,769	\$ 16,289.63	\$ 192,578.61	\$ 201,999.69	\$ 410,867.93	\$ 0.00227
Medium General Svc	1,048,686,489	94,381.78	1,115,802.42	1,170,334.12	2,380,518.32	0.00227
Large General Service	761,438,096	68,529.43	810,170.13	849,764.92	1,728,464.48	0.00227
Less: Opt-Outs	(1,002,702,803)	(90,243.25)	(1,066,875.78)	(1,119,016.33)	(2,276,135.36)	0.00227
Net General Service	988,412,551	\$ 88,957.59	\$ 1,051,675.38	\$ 1,103,082.40	\$ 2,243,715.37	\$ 0.00227
Lighting	38,315,009	\$ -	\$ 38,698.16	\$ -	\$ 38,698.16	\$ 0.00101
Less: Opt Outs	(1,295,546)	-	(1,308.50)	-	(1,308.50)	0.00101
Net Lighting	37,019,463	\$ -	\$ 37,389.66	\$ -	\$ 37,389.66	\$ 0.00101
Total	2,491,554,165	\$ 909,986.02	\$ 2,649,018.96	\$ 3,076,482.69	\$ 6,635,487.67	NA

Source: RMCY6

State: North Carolina

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

Month of July 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,466,122,151	\$ 285,893.87	\$ (57,178.75)	\$ (375,327.41)	\$ (146,612.29)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,466,122,151	\$ 285,893.87	\$ (57,178.75)	\$ (375,327.41)	\$ (146,612.29)	\$ (0.00010)
Small General Service	180,990,769	\$ (3,077.17)	\$ (3,441.73)	\$ 28,255.25	\$ 21,736.35	\$ 0.00012
Medium General Svc	1,048,686,489	(17,827.67)	(19,925.04)	163,595.09	125,842.38	0.00012
Large General Service	761,438,096	(12,944.45)	(14,467.32)	118,784.34	91,372.57	0.00012
Less: Opt-Outs	(1,002,702,803)	17,045.95	19,051.35	(156,421.64)	(120,324.34)	0.00012
Net General Service	988,412,551	\$ (16,803.34)	\$ (18,782.74)	\$ 154,213.04	\$ 118,626.96	\$ 0.00012
Lighting	38,315,009	\$ -	\$ (2,682.05)	\$ -	\$ (2,682.05)	\$ (0.00007)
Less: Opt Outs	(1,295,546)	-	90.69	-	90.69	(0.00007)
Net Lighting	37,019,463	-	(2,591.36)	-	(2,591.36)	\$ (0.00007)
Total	2,491,554,165	\$ 269,090.53	\$ (78,552.85)	\$ (221,114.37)	\$ (30,576.69)	NA

Σ DSM/EE Rate and EMF

State: North Carolina

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

Month of July 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,466,122,151	\$ 1,106,922.30	\$ 1,502,775.17	\$ 1,598,072.88	\$ 4,207,770.35	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,466,122,151	\$ 1,106,922.30	\$ 1,502,775.17	\$ 1,598,072.88	\$ 4,207,770.35	\$ 0.00287
Small General Service	180,990,769	\$ 13,212.46	\$ 189,136.88	\$ 230,254.94	\$ 432,604.28	0.00239
Medium General Svc	1,048,686,489	76,554.11	1,095,877.38	1,333,929.21	2,506,360.70	0.00239
Large General Service	761,438,096	55,584.98	795,702.81	968,549.26	1,819,837.05	0.00239
Less: Opt-Outs	(1,002,702,803)	(73,197.30)	(1,047,824.43)	(1,275,437.97)	(2,396,459.70)	0.00239
Net General Service	988,412,551	\$ 72,154.25	\$ 1,032,892.64	\$ 1,257,295.44	\$ 2,362,342.33	\$ 0.00239
Lighting	38,315,009	\$ -	\$ 36,016.11	\$ -	\$ 36,016.11	\$ 0.00094
Less: Opt Outs	(1,295,546)	-	(1,217.81)	-	(1,217.81)	0.00094
Net Lighting	37,019,463	-	34,798.30	-	34,798.30	\$ 0.00094
Total	2,491,554,165	\$ 1,179,076.55	\$ 2,570,466.11	\$ 2,855,368.32	\$ 6,604,910.98	NA

Source: RMCY4

State: North Carolina

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

Month of August 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,287,636,030	\$ 721,076.28	\$ 1,370,044.54	\$ 1,733,157.55	\$ 3,824,278.37	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,287,636,030	\$ 721,076.28	\$ 1,370,044.54	\$ 1,733,157.55	\$ 3,824,278.37	\$ 0.00297
Small General Service	167,685,406	\$ 15,091.70	\$ 178,417.43	\$ 187,137.40	\$ 380,646.53	\$ 0.00227
Medium General Svc	974,412,777	87,694.52	1,036,727.53	1,087,307.30	2,211,729.35	0.00227
Large General Service	753,799,970	67,842.00	802,043.17	841,240.77	1,711,125.94	0.00227
Less: Opt-Outs	(970,059,727)	(87,302.86)	(1,032,097.88)	(1,082,455.04)	(2,201,855.78)	0.00227
Net General Service	925,838,426	\$ 83,325.36	\$ 985,090.25	\$ 1,033,230.43	\$ 2,101,646.04	\$ 0.00227
Lighting	37,088,627	\$ -	\$ 37,459.51	\$ -	\$ 37,459.51	\$ 0.00101
Less: Opt Outs	(1,229,940)	-	(1,242.24)	-	(1,242.24)	0.00101
Net Lighting	35,858,687	\$ -	\$ 36,217.27	\$ -	\$ 36,217.27	\$ 0.00101
Total	2,249,333,143	\$ 804,401.64	\$ 2,391,352.06	\$ 2,766,387.98	\$ 5,962,141.68	NA

Source: RMCY6

State: North Carolina

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

Month of August 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,287,636,030	\$ 251,089.24	\$ (50,217.76)	\$ (329,635.42)	\$ (128,763.94)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,287,636,030	\$ 251,089.24	\$ (50,217.76)	\$ (329,635.42)	\$ (128,763.94)	\$ (0.00010)
Small General Service	167,685,406	\$ (2,850.66)	\$ (3,186.11)	\$ 26,159.58	\$ 20,122.81	\$ 0.00012
Medium General Svc	974,412,777	(16,563.89)	(18,498.46)	151,856.77	116,794.42	0.00012
Large General Service	753,799,970	(12,814.60)	(14,322.20)	117,592.80	90,456.00	0.00012
Less: Opt-Outs	(970,059,727)	16,489.93	18,416.39	(151,184.04)	(116,277.72)	0.00012
Net General Service	925,838,426	\$ (15,739.22)	\$ (17,590.38)	\$ 144,425.11	\$ 111,095.51	\$ 0.00012
Lighting	37,088,627	\$ -	\$ (2,596.20)	\$ -	\$ (2,596.20)	\$ (0.00007)
Less: Opt Outs	(1,229,940)	-	86.10	-	86.10	(0.00007)
Net Lighting	35,858,687	-	(2,510.10)	-	(2,510.10)	\$ (0.00007)
Total	2,249,333,143	\$ 235,350.02	\$ (70,318.24)	\$ (185,210.31)	\$ (20,178.53)	NA

Σ DSM/EE Rate and EMF

State: North Carolina

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

Month of August 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,287,636,030	\$ 972,165.52	\$ 1,319,826.78	\$ 1,403,522.13	\$ 3,695,514.43	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,287,636,030	\$ 972,165.52	\$ 1,319,826.78	\$ 1,403,522.13	\$ 3,695,514.43	\$ 0.00287
Small General Service	167,685,406	\$ 12,241.04	\$ 175,231.32	\$ 213,296.98	\$ 400,769.34	0.00239
Medium General Svc	974,412,777	71,130.63	1,018,229.07	1,239,164.07	2,328,523.77	0.00239
Large General Service	753,799,970	55,027.40	787,720.97	958,833.57	1,801,581.94	0.00239
Less: Opt-Outs	(970,059,727)	(70,812.93)	(1,013,681.49)	(1,233,639.08)	(2,318,133.50)	0.00239
Net General Service	925,838,426	\$ 67,586.14	\$ 967,499.87	\$ 1,177,655.54	\$ 2,212,741.55	\$ 0.00239
Lighting	37,088,627	\$ -	\$ 34,863.31	\$ -	\$ 34,863.31	\$ 0.00094
Less: Opt Outs	(1,229,940)	-	(1,156.14)	-	(1,156.14)	0.00094
Net Lighting	35,858,687	-	33,707.17	-	33,707.17	\$ 0.00094
Total	2,249,333,143	\$ 1,039,751.66	\$ 2,321,033.82	\$ 2,581,177.67	\$ 5,941,963.15	NA

Source: RMCY4
State: North Carolina

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

Month of September 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,363,771,672	\$ 763,712.17	\$ 1,451,052.99	\$ 1,835,636.47	\$ 4,050,401.63	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,363,771,672	\$ 763,712.17	\$ 1,451,052.99	\$ 1,835,636.47	\$ 4,050,401.63	\$ 0.00297
Small General Service	183,261,991	\$ 16,493.68	\$ 194,993.16	\$ 204,527.11	\$ 416,013.95	\$ 0.00227
Medium General Svc	1,066,031,230	95,943.08	1,134,262.14	1,189,704.99	2,419,910.21	0.00227
Large General Service	782,546,206	70,429.16	832,629.16	873,321.57	1,776,379.89	0.00227
Less: Opt-Outs	(1,021,387,700)	(91,924.89)	(1,086,756.51)	(1,139,868.67)	(2,318,550.07)	0.00227
Net General Service	1,010,451,727	\$ 90,941.03	\$ 1,075,127.95	\$ 1,127,685.00	\$ 2,293,753.98	\$ 0.00227
Lighting	37,132,779	\$ -	\$ 37,504.08	\$ -	\$ 37,504.08	\$ 0.00101
Less: Opt Outs	(1,265,229)	-	(1,277.88)	-	(1,277.88)	0.00101
Net Lighting	35,867,550	\$ -	\$ 36,226.20	\$ -	\$ 36,226.20	\$ 0.00101
Total	2,410,090,949	\$ 854,653.20	\$ 2,562,407.14	\$ 2,963,321.47	\$ 6,380,381.81	NA

Source: RMCY6
State: North Carolina

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

Month of September 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,363,771,672	\$ 265,935.56	\$ (53,187.08)	\$ (349,125.77)	\$ (136,377.29)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,363,771,672	\$ 265,935.56	\$ (53,187.08)	\$ (349,125.77)	\$ (136,377.29)	\$ (0.00010)
Small General Service	183,261,991	\$ (3,115.48)	\$ (3,482.52)	\$ 28,595.45	\$ 21,997.45	\$ 0.00012
Medium General Svc	1,066,031,230	(18,122.65)	(20,256.18)	166,316.48	127,937.65	0.00012
Large General Service	782,546,206	(13,303.29)	(14,868.38)	122,077.21	93,905.54	0.00012
Less: Opt-Outs	(1,021,387,700)	17,363.60	19,406.36	(159,336.48)	(122,566.52)	0.00012
Net General Service	1,010,451,727	\$ (17,177.82)	\$ (19,200.72)	\$ 157,652.66	\$ 121,274.12	\$ 0.00012
Lighting	37,132,779	\$ -	\$ (2,599.28)	\$ -	\$ (2,599.28)	\$ (0.00007)
Less: Opt Outs	(1,265,229)	-	88.57	-	88.57	(0.00007)
Net Lighting	35,867,550	-	(2,510.71)	-	(2,510.71)	\$ (0.00007)
Total	2,410,090,949	\$ 248,757.74	\$ (74,898.51)	\$ (191,473.11)	\$ (17,613.88)	NA

Σ DSM/EE Rate and EMF
State: North Carolina

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

Month of September 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,363,771,672	\$ 1,029,647.73	\$ 1,397,865.91	\$ 1,486,510.70	\$ 3,914,024.34	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,363,771,672	\$ 1,029,647.73	\$ 1,397,865.91	\$ 1,486,510.70	\$ 3,914,024.34	\$ 0.00287
Small General Service	183,261,991	\$ 13,378.20	\$ 191,510.64	\$ 233,122.56	\$ 438,011.40	0.00239
Medium General Svc	1,066,031,230	77,820.43	1,114,005.96	1,356,021.47	2,547,847.86	0.00239
Large General Service	782,546,206	57,125.87	817,760.78	995,398.78	1,870,285.43	0.00239
Less: Opt-Outs	(1,021,387,700)	(74,561.29)	(1,067,350.15)	(1,299,205.15)	(2,441,116.59)	0.00239
Net General Service	1,010,451,727	\$ 73,763.21	\$ 1,055,927.23	\$ 1,285,337.66	\$ 2,415,028.10	\$ 0.00239
Lighting	37,132,779	\$ -	\$ 34,904.80	\$ -	\$ 34,904.80	\$ 0.00094
Less: Opt Outs	(1,265,229)	-	(1,189.31)	-	(1,189.31)	0.00094
Net Lighting	35,867,550	-	33,715.49	-	33,715.49	\$ 0.00094
Total	2,410,090,949	\$ 1,103,410.94	\$ 2,487,508.63	\$ 2,771,848.36	\$ 6,362,767.93	NA

Source: RMCY4
State: North Carolina

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

Month of October 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	987,961,203	\$ 553,259.06	\$ 1,051,189.61	\$ 1,329,792.22	\$ 2,934,240.89	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	987,961,203	\$ 553,259.06	\$ 1,051,189.61	\$ 1,329,792.22	\$ 2,934,240.89	\$ 0.00297
Small General Service	152,033,698	\$ 13,683.17	\$ 161,766.35	\$ 169,676.80	\$ 345,126.32	\$ 0.00227
Medium General Svc	956,608,997	86,094.61	1,017,828.35	1,067,565.14	2,171,488.10	0.00227
Large General Service	726,809,713	65,412.87	773,325.53	811,119.64	1,649,858.04	0.00227
Less: Opt-Outs	(939,157,495)	(84,524.17)	(999,263.58)	(1,048,099.76)	(2,131,887.51)	0.00227
Net General Service	896,294,913	\$ 80,666.48	\$ 953,656.65	\$ 1,000,261.82	\$ 2,034,584.95	\$ 0.00227
Lighting	38,219,699	\$ -	\$ 38,601.89	\$ -	\$ 38,601.89	\$ 0.00101
Less: Opt Outs	(1,315,398)	-	(1,328.55)	-	(1,328.55)	0.00101
Net Lighting	36,904,301	\$ -	\$ 37,273.34	\$ -	\$ 37,273.34	\$ 0.00101
Total	1,921,160,417	\$ 633,925.54	\$ 2,042,119.60	\$ 2,330,054.04	\$ 5,006,099.18	NA

Source: RMCY6
State: North Carolina

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

Month of October 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	987,961,203	\$ 192,653.98	\$ (38,530.11)	\$ (252,922.29)	\$ (98,798.42)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	987,961,203	\$ 192,653.98	\$ (38,530.11)	\$ (252,922.29)	\$ (98,798.42)	\$ (0.00010)
Small General Service	152,033,698	\$ (2,584.63)	\$ (2,889.44)	\$ 23,725.20	\$ 18,251.13	\$ 0.00012
Medium General Svc	956,608,997	(16,262.27)	(18,174.40)	149,219.43	114,782.76	0.00012
Large General Service	726,809,713	(12,355.77)	(13,809.38)	113,382.32	87,217.17	0.00012
Less: Opt-Outs	(939,157,495)	15,965.68	17,843.99	(146,508.57)	(112,698.90)	0.00012
Net General Service	896,294,913	\$ (15,236.99)	\$ (17,029.23)	\$ 139,818.38	\$ 107,552.16	\$ 0.00012
Lighting	38,219,699	\$ -	\$ (2,675.38)	\$ -	\$ (2,675.38)	\$ (0.00007)
Less: Opt Outs	(1,315,398)	-	92.08	-	92.08	(0.00007)
Net Lighting	36,904,301	-	(2,583.30)	-	(2,583.30)	\$ (0.00007)
Total	1,921,160,417	\$ 177,416.99	\$ (58,142.64)	\$ (113,103.91)	\$ 6,170.44	NA

Σ DSM/EE Rate and EMF
State: North Carolina

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

Month of October 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	987,961,203	\$ 745,913.04	\$ 1,012,659.50	\$ 1,076,869.93	\$ 2,835,442.47	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	987,961,203	\$ 745,913.04	\$ 1,012,659.50	\$ 1,076,869.93	\$ 2,835,442.47	\$ 0.00287
Small General Service	152,033,698	\$ 11,098.54	\$ 158,876.91	\$ 193,402.00	\$ 363,377.45	0.00239
Medium General Svc	956,608,997	69,832.34	999,653.95	1,216,784.57	2,286,270.86	0.00239
Large General Service	726,809,713	53,057.10	759,516.15	924,501.96	1,737,075.21	0.00239
Less: Opt-Outs	(939,157,495)	(68,558.49)	(981,419.59)	(1,194,608.33)	(2,244,586.41)	0.00239
Net General Service	896,294,913	\$ 65,429.49	\$ 936,627.42	\$ 1,140,080.20	\$ 2,142,137.11	\$ 0.00239
Lighting	38,219,699	\$ -	\$ 35,926.51	\$ -	\$ 35,926.51	\$ 0.00094
Less: Opt Outs	(1,315,398)	-	(1,236.47)	-	(1,236.47)	0.00094
Net Lighting	36,904,301	-	34,690.04	-	34,690.04	\$ 0.00094
Total	1,921,160,417	\$ 811,342.53	\$ 1,983,976.96	\$ 2,216,950.13	\$ 5,012,269.62	NA

Source: RMCY4
State: North Carolina

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

Month of November 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	907,738,925	\$ 508,332.44	\$ 965,836.38	\$ 1,221,823.07	\$ 2,695,991.89	\$ 0.00297
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	907,738,925	\$ 508,332.44	\$ 965,836.38	\$ 1,221,823.07	\$ 2,695,991.89	\$ 0.00297
Small General Service	115,470,395	\$ 10,392.26	\$ 122,859.35	\$ 128,861.59	\$ 262,113.20	\$ 0.00227
Medium General Svc	728,125,206	65,531.26	774,725.05	812,587.25	1,652,843.56	0.00227
Large General Service	630,194,199	56,717.48	670,526.63	703,296.73	1,430,540.84	0.00227
Less: Opt-Outs	(795,913,626)	(71,632.23)	(846,852.10)	(888,239.61)	(1,806,723.94)	0.00227
Net General Service	677,876,174	\$ 61,008.77	\$ 721,258.93	\$ 756,505.96	\$ 1,538,773.66	\$ 0.00227
Lighting	35,004,174	\$ -	\$ 35,354.38	\$ -	\$ 35,354.38	\$ 0.00101
Less: Opt Outs	(1,100,064)	-	(1,111.06)	-	(1,111.06)	0.00101
Net Lighting	33,904,110	\$ -	\$ 34,243.32	\$ -	\$ 34,243.32	\$ 0.00101
Total	1,619,519,209	\$ 569,341.21	\$ 1,721,338.63	\$ 1,978,329.03	\$ 4,269,008.87	NA

Source: RMCY6
State: North Carolina

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

Month of November 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	907,738,925	\$ 177,006.37	\$ (35,402.45)	\$ (232,373.68)	\$ (90,769.76)	\$ (0.00010)
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	907,738,925	\$ 177,006.37	\$ (35,402.45)	\$ (232,373.68)	\$ (90,769.76)	\$ (0.00010)
Small General Service	115,470,395	\$ (1,962.96)	\$ (2,193.50)	\$ 18,009.45	\$ 13,852.99	\$ 0.00012
Medium General Svc	728,125,206	(12,378.12)	(13,834.33)	113,587.01	87,374.56	0.00012
Large General Service	630,194,199	(10,713.30)	(11,973.69)	98,310.30	75,623.31	0.00012
Less: Opt-Outs	(795,913,626)	13,530.53	15,122.36	(124,162.53)	(95,509.64)	0.00012
Net General Service	677,876,174	\$ (11,523.85)	\$ (12,879.16)	\$ 105,744.23	\$ 81,341.22	\$ 0.00012
Lighting	35,004,174	\$ -	\$ (2,450.24)	\$ -	\$ (2,450.24)	\$ (0.00007)
Less: Opt Outs	(1,100,064)	-	77.00	-	77.00	(0.00007)
Net Lighting	33,904,110	-	(2,373.24)	-	(2,373.24)	\$ (0.00007)
Total	1,619,519,209	\$ 165,482.52	\$ (50,654.85)	\$ (126,629.45)	\$ (11,801.78)	NA

Σ DSM/EE Rate and EMF
State: North Carolina

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

Month of November 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	907,738,925	\$ 685,338.81	\$ 930,433.93	\$ 989,449.39	\$ 2,605,222.13	\$ 0.00287
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	907,738,925	\$ 685,338.81	\$ 930,433.93	\$ 989,449.39	\$ 2,605,222.13	\$ 0.00287
Small General Service	115,470,395	\$ 8,429.30	\$ 120,665.85	\$ 146,871.04	\$ 275,966.19	0.00239
Medium General Svc	728,125,206	53,153.14	760,890.72	926,174.26	1,740,218.12	0.00239
Large General Service	630,194,199	46,004.18	658,552.94	801,607.03	1,506,164.15	0.00239
Less: Opt-Outs	(795,913,626)	(58,101.70)	(831,729.74)	(1,012,402.14)	(1,902,233.58)	0.00239
Net General Service	677,876,174	\$ 49,484.92	\$ 708,379.77	\$ 862,250.19	\$ 1,620,114.88	\$ 0.00239
Lighting	35,004,174	\$ -	\$ 32,904.14	\$ -	\$ 32,904.14	\$ 0.00094
Less: Opt Outs	(1,100,064)	-	(1,034.06)	-	(1,034.06)	0.00094
Net Lighting	33,904,110	-	31,870.08	-	31,870.08	\$ 0.00094
Total	1,619,519,209	\$ 734,823.73	\$ 1,670,683.78	\$ 1,851,699.58	\$ 4,257,207.09	NA

Source: RMCY4
State: North Carolina

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

Month of December 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average DSM/EE Rate
Residential	1,518,664,260	\$ 994,771.61	\$ 1,585,620.41	\$ 2,665,383.63	\$ 5,245,775.65	\$ 0.00345
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,518,664,260	\$ 994,771.61	\$ 1,585,620.41	\$ 2,665,383.63	\$ 5,245,775.65	\$ 0.00345
Small General Service	160,035,121	\$ 17,664.59	\$ 167,086.85	\$ 265,736.01	\$ 450,487.45	\$ 0.00281
Medium General Svc	913,085,502	99,596.18	954,483.15	1,484,379.93	2,538,459.26	0.00278
Large General Service	677,173,719	68,819.84	712,809.81	966,104.07	1,747,733.72	0.00258
Less: Opt-Outs	(888,300,996)	(92,043.23)	(933,319.08)	(1,314,521.16)	(2,339,883.47)	0.00263
Net General Service	861,993,346	\$ 94,037.38	\$ 901,060.73	\$ 1,401,698.85	\$ 2,396,796.96	\$ 0.00278
Lighting	38,266,935	\$ -	\$ 38,818.97	\$ -	\$ 38,818.97	\$ 0.00101
Less: Opt Outs	(1,371,507)	-	(1,390.68)	-	(1,390.68)	0.00101
Net Lighting	36,895,428	\$ -	\$ 37,428.29	\$ -	\$ 37,428.29	\$ 0.00101
Total	2,417,553,034	\$ 1,088,808.99	\$ 2,524,109.43	\$ 4,067,082.48	\$ 7,680,000.90	NA

Source: RMCY6
State: North Carolina

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

Month of December 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average EMF Rate
Residential	1,518,664,260	\$ 244,596.85	\$ (94,276.97)	\$ (89,143.09)	\$ 61,176.79	\$ 0.00004
Res RECD (reflected above)	-	-	-	-	-	-
Net Residential	1,518,664,260	\$ 244,596.85	\$ (94,276.97)	\$ (89,143.09)	\$ 61,176.79	\$ 0.00004
Small General Service	160,035,121	\$ (1,515.29)	\$ (4,529.58)	\$ 23,122.07	\$ 17,077.20	\$ 0.00011
Medium General Svc	913,085,502	(9,085.19)	(25,300.54)	132,596.11	98,210.38	0.00011
Large General Service	677,173,719	(8,601.92)	(16,461.05)	101,188.46	76,125.49	0.00011
Less: Opt-Outs	(888,300,996)	10,630.80	22,399.87	(131,738.01)	(98,707.34)	0.00011
Net General Service	861,993,346	\$ (8,571.60)	\$ (23,891.30)	\$ 125,168.63	\$ 92,705.73	\$ 0.00011
Lighting	38,266,935	\$ -	\$ 200.76	\$ -	\$ 200.76	\$ 0.00001
Less: Opt Outs	(1,371,507)	-	3.26	-	3.26	(0.00000)
Net Lighting	36,895,428	-	204.02	-	204.02	\$ 0.00001
Total	2,417,553,034	\$ 236,025.25	\$ (117,964.25)	\$ 36,025.54	\$ 154,086.54	NA

Σ DSM/EE Rate and EMF
State: North Carolina

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

Month of December 2014

Rate Class	KWH	DSM	DSDR	EE	Total Recovery	Average Total Rate
Residential	1,518,664,260	\$ 1,239,368.46	\$ 1,491,343.44	\$ 2,576,240.54	\$ 5,306,952.44	\$ 0.00349
Res RECD (see A-5b)	-	-	-	-	-	-
Net Residential	1,518,664,260	\$ 1,239,368.46	\$ 1,491,343.44	\$ 2,576,240.54	\$ 5,306,952.44	\$ 0.00349
Small General Service	160,035,121	\$ 16,149.30	\$ 162,557.27	\$ 288,858.08	\$ 467,564.65	0.00292
Medium General Svc	913,085,502	90,510.99	929,182.61	1,616,976.04	2,636,669.64	0.00289
Large General Service	677,173,719	60,217.92	696,348.76	1,067,292.53	1,823,859.21	0.00269
Less: Opt-Outs	(888,300,996)	(81,412.43)	(910,919.21)	(1,446,259.17)	(2,438,590.81)	0.00275
Net General Service	861,993,346	\$ 85,465.78	\$ 877,169.43	\$ 1,526,867.48	\$ 2,489,502.69	\$ 0.00289
Lighting	38,266,935	\$ -	\$ 39,019.73	\$ -	\$ 39,019.73	\$ 0.00102
Less: Opt Outs	(1,371,507)	-	(1,387.42)	-	(1,387.42)	0.00101
Net Lighting	36,895,428	-	37,632.31	-	37,632.31	\$ 0.00102
Total	2,417,553,034	\$ 1,324,834.24	\$ 2,406,145.18	\$ 4,103,108.02	\$ 7,834,087.44	NA