

OFFICIAL COPY

INFORMATION SHEET

PRESIDING: Commissioner Brown-Bland, Presiding; Chairman Finley and Commissioners Beatty, Dockham, Patterson, Gray and Clodfelter

PLACE: Dobbs Building, Room 2115, Raleigh, NC

DATE: November 6, 2017

TIME: 1:37 p.m. – 1:47 p.m.

DOCKET NO.: E-22, Sub 545

COMPANY: Virginia Electric and Power Company d/b/a Dominion Energy North Carolina

DESCRIPTION: Application for Approval of Demand-Side Management and Energy Efficiency Cost Recovery Rider Pursuant to G.S. 62-133.9 and Commission Rule R8-69.

VOLUME:

APPEARANCES

VIRGINIA ELECTRIC AND POWER COMPANY d/b/a DOMINION ENERGY NORTH CAROLINA:

E. Brett Breitschwerdt, Esq.

FOR THE USING AND CONSUMING PUBLIC:

Heather D. Fennell, Esq.

WITNESSES

Please see attached witness list

EXHIBITS

Please see attached exhibit list

COPIES ORDERED: E-mail: Edmondson, Grigg

REPORTED BY: Kim Mitchell

TRANSCRIBED BY: Kim Mitchell

DATE TRANSCRIBED: December 12, 2017

TRANSCRIPT PAGES: 28

PREFILED PAGES: 109

TOTAL PAGES: 137

FILED
DEC 13 2017
Clerk's Office
N.C. Utilities Commission

T A B L E O F C O N T E N T S

MICHAEL T. HUBBARD

Prefiled Direct Testimony and Appendix A..... 12

DEANNA R. KESLER

Prefiled Direct and Rebuttal Testimony and
Appendix A..... 33

JARVIS E. BATES

Prefiled Direct Testimony and Appendix A..... 47

ALAN J. MOORE

Prefiled Direct and Rebuttal Testimony and
Appendix A..... 60

MELBA L. LYONS

Prefiled Direct Testimony and Appendix A..... 83

DEBRA A. STEPHENS

Prefiled Corrected Direct Testimony and
Appendix A..... 93

JACK L. FLOYD

Prefiled Affidavit and Appendix A..... 104

MICHAEL C. MANESS

Prefiled Affidavit and Appendix A..... 120

E X H I B I T S

Identified / Admitted

Dominion Energy North Carolina

Exhibit 1..... --/9

Company Exhibit DRK-1, Schedules 1 - 7

(Schedule 5, page 1 filed under seal)..... 30/30

Company Exhibit JEB-1, Schedules 1 - 7

(Filed under seal)..... 47/47

Company Exhibit No. AJM-1m, Schedules 1 - 3

(Schedule 1, pages 2, 3 and 6;

Schedule 2, pages 2 and 3 filed

under seal..... 60/60

Company Exhibit No. AJM-1, Rebuttal

Schedule 2

(Pages 2 and 3 filed under seal)..... 60/60

Company Exhibit MLL-1, Schedules 1 - 4

(Schedule 1, pages 2 and 3; Schedule 3,

pages 1 and 3 filed under seal..... 83/83

Company Exhibit DAS-1, Schedules 1 - 18..... 95/95

Maness Exhibit 1..... 120/120

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 11/6/17
DOCKET #: E-22 Sub 545 DSM
NAME OF ATTORNEY E. Brett Pritzschmidt
TITLE _____
FIRM NAME McGuire Woods
ADDRESS _____
CITY _____
ZIP _____

APPEARING FOR: Dominion

APPLICANT X COMPLAINANT _____ INTERVENOR _____
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

PLEASE NOTE: Electronic Copies of the regular transcript can be obtained from the NCUC website at [HTTP://NCUC.commerce.state.nc.us/docksr_ch.html](http://NCUC.commerce.state.nc.us/docksr_ch.html) under the respective docket number.

There will be a charge of \$5.00 for each emailed copy of transcript.

☐ Please check for an electronic copy of the transcript.

___ # of Copies

Email: _____
(Required for distribution)

☐ Please check for the confidential portion of the transcript, only if a confidentiality agreement has been signed.

___ # of Copies

Signature: 
(Required for distribution)

NORTH CAROLINA UTILITIES COMMISSION
PUBLIC STAFF - APPEARANCE SLIP

DATE November 6, 2017 DOCKET #: E-22, Sub 545

PUBLIC STAFF MEMBER Heather D. Fennell

ORDER FOR TRANSCRIPT OF TESTIMONY TO BE **EMAILED** TO THE
PUBLIC STAFF - PLEASE INDICATE YOUR DIVISION AS WELL AS
YOUR EMAIL ADDRESS BELOW:

ACCOUNTING _____

WATER _____

COMMUNICATIONS _____

ELECTRIC _____

GAS _____

TRANSPORTATION _____

ECONOMICS _____

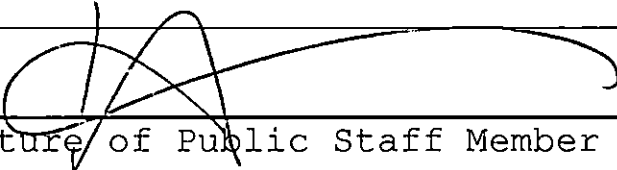
LEGAL heather.fennell@psncuc.nc.gov

CONSUMER SERVICES _____

PLEASE NOTE: Electronic Copies of the regular
transcript can be obtained from the NCUC web site at
HTTP://NCUC.commerce.state.nc.us/docksrch.html under
the respective docket number.

_____ Number of copies of confidential portion of
regular transcript (assuming a confidentiality
agreement has been signed). Confidential pages will
still be received in paper copies.

***PLEASE INDICATE BELOW WHO HAS SIGNED A
CONFIDENTIALITY AGREEMENT. IF YOU DO NOT SIGN, YOU
WILL NOT RECEIVE THE CONFIDENTIAL PORTIONS!!!!



Signature of Public Staff Member

A
Dominion Energy North Carolina
Exhibit 1



Dominion[®]

OFFICIAL COPY

Aug 15 2017

Application of Virginia
Electric and Power Company
d/b/a Dominion Energy
North Carolina, Direct
Testimony and Exhibits

Before the North Carolina
Utilities Commission

In the Matter
Application of Virginia Electric
and Power Company, d/b/a
Dominion Energy North Carolina,
for Authority to Adjust its Electric
Rates and Charges Pursuant to
N.C.G.S. § 62-133.9 and NCUC
Rule R8-69

Docket No. E-22, Sub 545

Filed: August 15, 2017

PUBLIC VERSION

**Dominion Energy North Carolina
Application for Approval of Cost Recovery for Demand-Side
Management and Energy Efficiency Measures**

DOCKET NO. E-22, SUB 545

TABLE OF CONTENTS

Application

Direct Testimony of Michael T. Hubbard

Direct Testimony of Deanna R. Kesler

Company Exhibit DRK-1, Schedule 1 – Rule R8-69(f)(l)(ii)(a), (b), (d) & (e) Filing Requirements (Revenue Requirement per Appropriate Unit; 2017 Summer/Winter Peak & Energy Savings)

Company Exhibit DRK-1, Schedule 2 – Utility Cost Test Calculations for Program Performance Incentive for Going-Forward System Programs

Company Exhibit DRK-1, Schedule 3 – Rule R8-69(f)(l)(iii)(h) Filing Requirement (Comparison of Phase I, Phase III, Phase IV, and Phase V Programs forecasted in the Company's 2016 Plan and 2017 Plan Update)

Company Exhibit DRK-1, Schedule 4 – Going Forward Cost Effectiveness Evaluations per Paragraph 41 of Mechanism

Company Exhibit DRK-1, Schedule 5 – EM&V Costs during Test Period and Rate Period (confidential information redacted)

Company Exhibit DRK-1, Schedule 6 – Rule R8-69(f)(1)(iv) Filing Requirements (Estimated Energy Savings to Support True Up of Lost Revenues During Test Period)

Company Exhibit DRK-1, Schedule 7 – Rule R8-69(f)(l)(iii)(h) Filing Requirements (Evaluation of Event Based Program (Air Conditioner Cycling) During Test Period)

Direct Testimony of Jarvis E. Bates

Company Exhibit JEB-1, Schedule 1 – Projected System Costs (Program and Common Costs) for the Rate Period January 1, 2018 - December 31, 2018 (confidential information redacted)

Company Exhibit JEB-1, Schedule 2 – Projected System Costs (Program Cost Details – Phase I-V) for the Rate Period January 1, 2018 - December 31, 2018 (confidential information redacted)

Company Exhibit JEB-1, Schedule 3 – Projected System Costs (Common Costs) for the Rate Period January 1, 2018 - December 31, 2018 (confidential information redacted)

Company Exhibit JEB-1, Schedule 4 – Program Cost Details (Non NC DSM Programs) for the Rate Period January 1, 2018 - December 31, 2018 (confidential information redacted)

Company Exhibit JEB-1, Schedule 5 – NC Program Performance Incentive (PPI) Summary Sheet for the Rate Period January 1, 2018 - December 31, 2018 (confidential information redacted)

Company Exhibit JEB-1, Schedule 6 – Program Performance Incentive (PPI) Trueup for Year 2016 (confidential information redacted)

Company Exhibit JEB-1, Schedule 7 – System DSM Program & Common Cost O&M Expense Actuals for Test Period January 1, 2016 - December 31, 2016 (confidential information redacted)

Direct Testimony of Alan J. Moore

Company Exhibit AJM-1, Schedule 1 – Projected Rate Period Revenue Requirement for DSM/EE (Rider C) for the Rate Period January 1, 2018 - December 31, 2018 (confidential information redacted)

Company Exhibit AJM-1, Schedule 2 – DSM/EE Experience Modification Factor (Rider CE) for the Test Period January 1, 2016 through December 31, 2016 (confidential information redacted)

Company Exhibit AJM-1 Schedule 3 – Rule R8-69(f)(l)(viii) Supporting Work Papers

Direct Testimony of Melba L. Lyons

Company Exhibit MLL-1, Schedule 1 – Assignment and Allocation of Common Costs to the North Carolina Jurisdiction (confidential information redacted)

Company Exhibit MLL-1, Schedule 2 – Allocation Factors for the Costs of the DSM Programs to the Customer Classes

Company Exhibit MLL-1, Schedule 3 – DSM/EE EMF (Rider CE) Allocation and Assignment for Test Period and Rate Period to the Customer Classes (confidential information redacted)

Company Exhibit MLL-1, Schedule 4 – Rule R8-69(f)(1)(ii)(b) and R8-69(f)(1)(viii) Filing Requirements

Direct Testimony of Debra A. Stephens

Company Exhibit DAS-1, Schedule 1 – Forecast kWh Sales and Customers by Revenue Class 12 Months Ended December 31, 2018

Company Exhibit DAS -1, Schedule 2 – Rule R8-69(f)(l)(vii) Filing Requirements (Opt-Out Customer Usage)

Company Exhibit DAS -1, Schedule 3 – Rule R8-69(f)(1)(vi) Filing Requirements (Rider C)

Company Exhibit DAS -1, Schedule 4 – Allocation of Rider CE Rates to Customer Class

Company Exhibit DAS -1, Schedule 5 – Rule R8-69(f)(l)(vi) Filing Requirements (Rider CE)

Company Exhibit DAS -1, Schedule 6 – Monthly Residential Non-Fuel Average Base Rate Calculations for the Test Period (Residential Low Income)

Company Exhibit DAS -1, Schedule 7 – Monthly Residential Non-Fuel Average Base Rate Calculations for the Test Period (Residential Heat Pump Tune Up)

Company Exhibit DAS -1, Schedule 8 – Monthly Non-Residential Non-Fuel Average Base Rate Calculations for the Test Period (Residential Heat Pump Upgrade)

Company Exhibit DAS -1, Schedule 9 – Monthly Residential Non-Fuel Average Base Rate Calculations for the Test Period (Residential Duct Sealing and Residential Lighting)

Company Exhibit DAS -1, Schedule 10 – Monthly Residential Non-Fuel Average Base Rate Calculations for the Test Period (Residential Home Energy Check Up Program)

Company Exhibit DAS -1, Schedule 11 – Monthly Residential Non-Fuel Average Base Rate Calculations for the Test Period (Residential Income and Age Qualifying Home Improvement)

Company Exhibit DAS -1, Schedule 12 – Monthly Residential Non-Fuel Average Base Rate Calculations for the Test Period (Residential Lighting)

Company Exhibit DAS -1, Schedule 13 – Monthly Non-Residential Non-Fuel Average Base Rate Calculations for the Test Period (Commercial HVAC Program)

Company Exhibit DAS -1, Schedule 14 – Monthly Non-Residential Non-Fuel Average Base Rate Calculations for the Test Period (Commercial Lighting)

Company Exhibit DAS -1, Schedule 15 – Monthly Non-Residential Non-Fuel Average Base Rate Calculations for the Test Period (Non-Residential Energy Audit Program)

Company Exhibit DAS -1, Schedule 16 – Monthly Non-Residential Non-Fuel Average Base Rate Calculations for the Test Period (Non-Residential Duct Sealing and Residential Lighting)

Company Exhibit DAS -1, Schedule 17 – Monthly Non-Residential Non-Fuel Average Base Rate Calculations for the Test Period (Non-Residential Heating and Cooling Efficiency)

Company Exhibit DAS -1, Schedule 18 – Monthly Non-Residential Non-Fuel Average Base Rate Calculations for the Test Period (Non-Residential Lighting System and Controls)

Rule R8-69(f)(1)(i) – Projected NC retail sales for the rate period

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

Rule R8-69(f)(1)(vii) – Projected NC retail sales for customers opting out of measures

Rule R8-69(f)(1)(viii) – Supporting Workpapers

Appendix A – Non-Participating Customers

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. E-22, SUB 545

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of Application of Virginia Electric and Power Company, d/b/a Dominion Energy North Carolina, for Authority to Adjust its Electric Rates and Charges Pursuant to N.C.G.S § 62- 133.9 and Commission Rule R8-69	)))))))	APPLICATION FOR APPROVAL OF DEMAND-SIDE MANAGEMENT AND ENERGY EFFICIENCY COST RECOVERY RIDER
---	---------------------------------	---

Pursuant to North Carolina General Statutes ("N.C.G.S") § 62-133.9 and Rule R8-69 of the Rules and Regulations of the North Carolina Utilities Commission ("NCUC" or the "Commission"), Virginia Electric and Power Company, d/b/a Dominion Energy North Carolina ("Dominion Energy North Carolina" or the "Company"), by counsel, hereby applies to the Commission to establish an updated rider to allow the Company to recover its reasonable and prudent demand-side management ("DSM") and energy efficiency ("EE") costs, net lost revenues, and Portfolio/Program Performance Incentive ("PPI") (the "Application"). In support thereof, the Company respectfully asserts as follows:

1. The Company is a public utility operating in the State of North Carolina as Dominion Energy North Carolina and is engaged in the business of generating, transmitting, distributing, and selling electric power and energy to the public for compensation. As such, the Company's operations in the State are subject to the jurisdiction of the Commission. The Company is also a public utility under the Federal Power Act, and certain of its operations are subject to the jurisdiction of the Federal Energy Regulatory Commission. The Company is a wholly-owned subsidiary of

OFFICIAL COPY

Aug 15 2017

Dominion Energy, Inc. Dominion Energy North Carolina serves approximately 120,000 customers in North Carolina, with a service territory of about 2,600 square miles in northeastern North Carolina, including Roanoke Rapids, Albemarle, Ahoskie, Elizabeth City, and the Outer Banks. Dominion Energy North Carolina serves major industrial facilities, as well as commercial, governmental, and residential customers. The post office address of Dominion Energy North Carolina is P.O. Box 26666, Richmond, Virginia 23261.

2. The attorneys for the Company are:

Lisa S. Booth
Horace P. Payne, Jr.
Dominion Resources Services, Inc.
Legal Department
120 Tredegar Street, RS-2 Richmond,
Virginia 23219
(804) 819-2288 (LSB phone)
(804) 819-2682 (HPP phone)
(804) 819-2183 (HPP fax)
lisa.s.booth@dominionenergy.com
horace.p.payne@dominionenergy.com

Vishwa B. Link
McGuireWoods LLP
One James Center
901 East Cary Street
Richmond, Virginia 23219
(804) 775-4330 (VBL phone)
(804) 698-2151 (VBL fax)
vlink@mcguirewoods.com

E. Brett Breitschwerdt
Andrea R. Kells
McGuireWoods LLP
434 Fayetteville Street, Suite 2600
Raleigh, North Carolina 27601
(919) 755-6563 (EBB Phone)
(919) 755-6614 (ARK Phone)
(919) 755-6579 (EBB Fax)
bbreitschwerdt@mcguirewoods.com
akells@mcguirewoods.com

Copies of all pleadings, testimony, orders, and correspondence in this proceeding should be served upon the attorneys listed above.

3. N.C.G.S. § 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 demand-side management and energy efficiency (collectively “DSM/EE”) measures (“DSM/EE Programs”), including, but not limited to, all capital costs, administrative costs, implementation costs, incentive payments to program participants, and operating costs. The annual rider shall recover the utility’s forecasted costs during the January 1, 2018, through December 31, 2018 rate period (“Rate Period”), and an experience modification factor (“EMF”) rider shall recover the difference between the utility’s actual reasonable and prudent costs incurred and actual revenues realized during the January 1, 2016, through December 31, 2016 test period (“Test Period”). The Commission is also authorized, pursuant to N.C.G.S. § 62.133.9(d)(2), to approve incentives to utilities for the adoption and implementation of new DSM/EE Programs.

4. Commission Rule R8-69(b) provides that the Commission will annually conduct a proceeding for each electric public utility to establish a DSM/EE rider to recover DSM/EE related costs. On October 14, 2011, the Commission issued an Order

approving the Company's proposed cost recovery mechanism, Rider C ("2010 Cost Recovery Order").¹ The 2010 Cost Recovery Order also approved the Agreement and Stipulation of Settlement ("Stipulation") agreed to between the Public Staff and the Company, as well as a cost recovery and incentive mechanism attached as Stipulation Exhibit 1 to the Stipulation. The Commission issued an Order on December 13, 2011, in the Company's 2011 cost recovery proceeding approving an updated Rider C as well as an Addendum to the Stipulation, establishing a jurisdictional allocation methodology for the allocation of DSM/EE Program costs between the Company's North Carolina and Virginia jurisdictions.²

5. On December 14, 2012, in the Company's 2012 cost recovery proceeding, the Commission again approved an updated Rider C along with the Company's initial EMF, Rider CE.³ On December 18, 2013, the Commission approved updated Riders C and CE, as well as approved a second Addendum to the Stipulation addressing assignment of costs for the Company's North Carolina-only Programs.⁴ On December 19, 2014, the Commission approved Riders C and CE presented in the Company's 2014 cost recovery proceeding.⁵ On December 14, 2015, the Commission approved Riders C and CE presented in the Company's 2015 cost recovery proceeding.⁶ On December 19,

¹ *Order Approving Agreement and Stipulation of Settlement, Approving DSM/EE Rider, and Requiring Compliance Filing*, Docket No. E-22, Sub 464 (Oct. 14, 2011).

² *Order Approving DSM/EE Rider and Requiring Customer Notice*, Docket No. E-22, Sub 473 (Dec. 13, 2011).

³ *Order Approving DSM/EE Rider and DSM/EE EMF Riders and Requiring Customer Notice*, Docket No. E-22, Sub 486 (Dec. 14, 2012).

⁴ *Order Approving DSM/EE and DSM/EE EMF Riders and Requiring Customer Notice*, Docket No. E-22, Sub 494 (Dec. 18, 2013).

⁵ *Order Approving DSM/EE and DSM/EE EMF Riders and Requiring Filing of Proposed Customer Notice*, Docket No. E-22, Sub 513 (Dec. 19, 2014).

⁶ *Order Approving DSM/EE and DSM/EE EMF Riders and Requiring Filing of Proposed Customer Notice*, Docket No. E-22, Sub 524 (Dec. 14, 2015).

2016, in the Company's most recent cost recovery proceeding, the Commission approved the currently-effective updated Riders C and CE.⁷

6. On May 22, 2017, the Commission approved a revised cost recovery and incentive mechanism ("Mechanism"), addressing the manner in which the Company would develop its future R8-69 applications for DSM/EE cost recovery.⁸ The Company has developed this Application in accordance with the provisions of the revised Mechanism.

7. Pursuant to the provisions of N.C.G.S. § 62-133.9 and Commission Rule R8-69, the Company requests approval of an updated Rider C to recover its reasonable and prudent costs projected to be incurred for adoption and implementation of the Company's portfolio of DSM/EE Programs, including certain "Common Costs," which are projected costs for items such as program marketing and internal labor that are shared across the Company's DSM/EE Programs. The Company's portfolio of DSM/EE Programs for which Rate Period cost recovery is sought in this proceeding includes: (a) the previously approved Phase I Air Conditioner Cycling Program;⁹ (b) the previously approved Phase II DSM/EE programs: Non-Residential Energy Audit Program, Non-Residential Duct Testing & Sealing Program, Residential Home Energy Check-Up Program, Residential Duct Sealing Program, Residential Heat Pump Tune-Up Program, and Residential Heat Pump Upgrade Program;¹⁰ (c) the previously approved Phase III

⁷ Order Approving DSM/EE Rider and Requiring Filing of Proposed Customer Notice, Docket No. E-22, Sub 536 (Dec. 19, 2016).

⁸ Order Approving Revised Cost Recovery and Incentive Mechanism, Docket No. E-22, Sub 464 (May 22, 2017).

⁹ Order Approving Program, Docket No. E-22, Sub 465 (Feb. 22, 2011).

¹⁰ Orders approving these Programs were issued on December 16, 2013, in Docket Nos. E-22, Sub 495 (Non-Residential Energy Audit Program), Sub 496 (Non-Residential Duct Testing and Sealing Program), Sub 497 (Residential Duct Testing and Sealing Program), Sub 498 (Residential Home Energy Check Up Program), Sub 499 (Residential Heat Pump Tune Up Program), and Sub 500 (Residential Heat Pump

DSM/EE programs: Non-Residential Lighting Systems & Controls Program, Non-Residential Heating & Cooling Efficiency Program, and Non-Residential Window Film Program;¹¹ (d) the Phase IV Income and Age Qualifying Home Improvement Program;¹² (e) the Phase V Small Business Improvement Program;¹³ (f) the North Carolina-only Residential LED Light Program;¹⁴ and (g) the Company's proposed Phase VI Non-Residential Prescriptive Program, as filed for Commission approval on July 28, 2017.¹⁵ The Company has requested that the proposed Non-Residential Prescriptive Program be approved to begin accepting participants in North Carolina on and after January 1, 2018.

8. Pursuant to N.C.G.S. § 62-133.9(d)(2) and Commission Rule R8-69(c), the Company also requests recovery of net lost revenues and a PPI for the adoption and implementation of the DSM/EE Programs. However, consistent with the Company's 2014, 2015, and 2016 DSM/EE cost recovery applications, the Company has not projected net lost revenues for the Rate Period; instead, the Company intends to true up net lost revenues through its annual EMF in future proceedings. The Company is also requesting to true up its Test Period recovery of PPI and net lost revenues in accordance with the Mechanism.

Upgrade Program). The Phase II Programs, except for the Residential Heat Pump Upgrade Program, were closed to new customers as of February 7, 2017. *Order on Motion to Close or Suspend Programs*, Docket Nos. E-22, Subs 495, 496, 497, 498, 499, and 500 (Nov. 29, 2016). That order also granted the Company's request to suspend the Residential Heat Pump Upgrade Program. The Company filed a Motion with the Commission on July 28, 2017, in Docket No. E-100, Sub 500, to formally close the suspended Program.

¹¹ *Order Approving Program*, Docket No. E-22, Sub 507 (Oct. 27, 2014); *Order Approving Program*, Docket No. E-22, Sub 508 (Oct. 27, 2014); *Order Approving Program*, Docket No. E-22, Sub 509 (Oct. 27, 2014).

¹² *Order Approving Program*, Docket No. E-22, Sub 523 (Oct. 6, 2015).

¹³ *Order Approving Program*, Docket No. E-22, Sub 538 (Oct. 26, 2016).

¹⁴ *Order Approving Program*, Docket No. E-22, Sub 539 (Dec. 20, 2016).

¹⁵ *In the Matter of Application of Dominion Energy North Carolina for Approval of Non-Residential Prescriptive Program*, Docket No. E-22, Sub 543 (July 28, 2017).

9. Consistent with Paragraph 40 of the Mechanism, the Company has developed its revenue requirement using the capital structure and cost of capital as specified by the Company's Treasury Department for use in the Company's June 30, 2017 NCUC ES-1 Report, incorporating a cost of common equity of 9.90%, as approved in the Company's most recent general rate case on December 22, 2016, in Docket No. E-22, Sub 532.¹⁶

10. The Company's Application and prefiled direct testimony are consistent with the terms and conditions of the Mechanism, as approved by the Commission. Updated Rider C and the EMF rider, Rider CE, are intended to allow the Company to recover \$3,743,537 of DSM/EE expenses and incentives during the Rate Period. This amount includes an under-collection of \$202,430 during the Test Period and \$3,542,469 for expenses and incentives projected to be incurred during the Rate Period.

11. Pursuant to N.C.G.S. § 62-133.9, the Company requests Commission approval of annual Rider C and CE billing adjustments as follows (all shown on a dollars per kWh basis):

<u>Customer Class</u>	<u>Rider C</u> DSM/EE Customer Class Rate (¢/kWh)	<u>Rider CE</u> DSM/EE EMF Customer Class Rate (¢/kWh)	<u>Total Riders C & CE</u> Customer Class Rate (¢/kWh)
Residential	0.113 ¢/kWh	0.007¢/kWh	0.120 ¢/kWh
Small General Service & Public Authority	0.146 ¢/kWh	0.008¢/kWh	0.154 ¢/kWh
Large General Service	0.112 ¢/kWh	0.006¢/kWh	0.118 ¢/kWh
6VP	0.000 ¢/kWh	0.000¢/kWh	0.000 ¢/kWh
NS	0.000¢/kWh	0.000¢/kWh	0.000¢/kWh
Outdoor Lighting	0.000¢/kWh	0.000¢/kWh	0.000¢/kWh
Traffic Lighting	0.000¢/kWh	0.000¢/kWh	0.000¢/kWh

¹⁶ See Order Granting General Rate Increase, Docket No. E-22, Sub 532 (Dec. 22, 2016).

Updated Rider C and Rider CE will be in effect for the twelve-month period from January 1, 2018, through December 31, 2018, the proposed Rate Period.

12. Pursuant to Commission Rules R8-69(b) and R8-27, the Company requests approval to defer prudently incurred costs to FERC Account 182.3, "Other Regulatory Assets," until recovered. Pursuant to Commission Rule R8-69(b)(6), the Company requests approval to defer the difference between actual reasonable and prudently incurred incremental costs and the related revenues realized under rates in effect. The Company also requests approval as required under Commission Rule R8-69(b)(6) to defer any Common costs, including any administrative, general, or other costs not directly related to new DSM/EE Programs. Finally, the Company requests approval to defer costs that the Company incurs in adopting and implementing new DSM/EE measures up to six months prior to the Company filing for Commission approval of such measures in accordance with Commission Rule R8-68.

13. In support of the requested change in rates, the Company has attached hereto, as required by Commission Rule R8-69, the prefiled direct testimony and exhibits of Michael T. Hubbard, Deanna R. Kesler, Jarvis E. Bates, Alan J. Moore, Melba L. Lyons, and Debra A. Stephens.

WHEREFORE, Dominion Energy North Carolina respectfully requests that the Commission approve the changes to its rates as set forth in Paragraph eleven (11) above, finding them just and reasonable.

Respectfully submitted, this the 15th day of August, 2017.

DOMINION ENERGY NORTH CAROLINA

By: s/E. Brett Breitschwerdt

Counsel

Counsel for Virginia Electric and Power Company,
d/b/a Dominion Energy North Carolina

Horace P. Payne, Jr. Dominion
Energy, Inc. Legal Department
120 Tredegar Street, RS-2
Richmond, Virginia 23219
(804) 819-2682 (HPP phone)
horace.p.payne@dominionenergy.com

E. Brett Breitschwerdt
Andrea R. Kells
McGuireWoods LLP
434 Fayetteville Street, Suite 2600
Raleigh, North Carolina 27601
(919) 755-6563 (EBB Phone)
(919) 755-6614 (ARK Phone)
(919) 755-6579 (EBB Fax)
bbreitschwerdt@mcguirewoods.com
akells@mcguirewoods.com

OFFICIAL COPY

Aug 15 2017

OFFICIAL COPY

Aug 15 2017

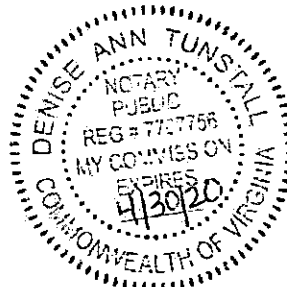
Thomas P. Wohlfarth

The foregoing instrument was sworn to and acknowledged before me this 14th day of August, 2017.

Dorise Ann Hunstall
Notary Public

My registration number is 7107756 and my commission expires:

April 30, 2020



I/A

Company Exhibit AJM-1
Schedule 1
Page 1 of 6

**Dominion Energy North Carolina
Docket No. E-22, Sub 545
Projected Revenue Requirement for DSM/EE Rider C
For the Rate Period January 1, 2018 - December 31, 2018**

<u>line no.</u>	<u>Rider C</u>	<u>Item Location / Formula</u>
1 Projected Operating Expense Revenue Requirement	\$ 3,091,006	Sch 1, Page 3, Line 5
2 Projected Capital Costs Revenue Requirement	\$ 137,860	Sch 1, Page 3, Line 6 + Line 7 + Line 8
3 Projected Net Lost Revenues	\$ -	Sch 1, Page 3, Line 9
4 Projected Program Performance Incentive Revenue Requirement	\$ <u>313,603</u>	Sch 1, Page 3, Line 10
5 Total Revenue Requirement	\$ 3,542,469	Line 1 + Line 2 + Line 3 + Line 4

Aug 15 2017

OFFICIAL COPY

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit AJM-1
Schedule 1
Page 2 of 6

**Dominion Energy North Carolina
Docket No. E-22, Sub 545
Projected Revenue Requirement for DSM/EE Rider C
For the Rate Period January 1, 2018 - December 31, 2018**

Line No.	Projection Jan-18	Projection Feb-18	Projection Mar-18	Projection Apr-18	Projection May-18	Projection Jun-18	Projection Jul-18	Projection Aug-18	Projection Sep-18	Projection Oct-18	Projection Nov-18	Projection Dec-18	Rate Period Total
1 System Program Projected Operating Expenses													
Air Conditioner Cycling Program													
Commercial HVAC Upgrade Program													
Commercial Lighting Program													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-Up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Window Film Program													
Non-Residential Heating & Cooling Efficiency Program													
Non-Residential Lighting Systems & Controls Program													
Residential Income and Age Qualifying Home Improvement Program													
Qualifying Small Business Improvement Program													
Residential LED Lighting - NC Only													
Non-Residential Prescriptive Program													
2 Allocate System Common Costs to Programs													
Air Conditioner Cycling Program	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 37,139	\$ 445,673
Residential NC Only Low Income Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial HVAC Upgrade Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial Lighting Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Heat Pump Tune-up Program	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 1,796
Residential Heat Pump Upgrade Program	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 1,913
Residential Duct Testing & Sealing Program	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 150	\$ 1,796
Residential Home Energy Check-Up Program	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 247	\$ 2,859
Non-Residential Duct Testing & Sealing Program	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 169	\$ 2,031
Non-Residential Energy Audit Program	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 2,031
Non-Residential Window Film Program	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 8,969	\$ 107,864
Non-Residential Heating & Cooling Efficiency Program	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 7,945	\$ 95,254
Non-Residential Lighting Systems & Controls Program	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 25,270	\$ 303,235
Residential Income and Age Qualifying Home Improvement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Qualifying Small Business Improvement Program	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 26,311	\$ 315,727
Residential LED Lighting - NC Only	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 4,421	\$ 53,056
Non-Residential Prescriptive Program	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 25,094	\$ 301,130
3 System Projected Operating Expenses Including Allocated Common Costs													
Air Conditioner Cycling Program													
Commercial HVAC Upgrade Program													
Commercial Lighting Program													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-Up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Window Film Program													
Non-Residential Heating & Cooling Efficiency Program													
Non-Residential Lighting Systems & Controls Program													
Residential Income and Age Qualifying Home Improvement Program													
Qualifying Small Business Improvement Program													
Residential LED Lighting - NC Only													
Non-Residential Prescriptive Program													
4 Jurisdictional Assignment Factors													
Air Conditioner Cycling Program	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%
Commercial HVAC Upgrade Program	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Commercial Lighting Program	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Residential Heat Pump Tune-up Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Heat Pump Upgrade Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Duct Testing & Sealing Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Home Energy Check-Up Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Duct Testing & Sealing Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Energy Audit Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Window Film Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Heating & Cooling Efficiency Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Lighting Systems & Controls Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Income and Age Qualifying Home Improvement Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Qualifying Small Business Improvement Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential LED Lighting - NC Only	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Non-Residential Prescriptive Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%

Aug 15 2017

OFFICIAL COPY

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit AJM-1
Schedule 1
Page 3 of 6

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Projected Revenue Requirement for DSM/EE Rider C
For the Rate Period January 1, 2018 - December 31, 2018

Line No.	Projection Jan-18	Projection Feb-18	Projection Mar-18	Projection Apr-18	Projection May-18	Projection Jun-18	Projection Jul-18	Projection Aug-18	Projection Sep-18	Projection Oct-18	Projection Nov-18	Projection Dec-18	Rate Period Total
5 Projected NC Jurisdiction Operating Expenses (Line 3 + Line 4)													
Air Conditioner Cycling Program													
Commercial HVAC Upgrade Program													
Commercial Lighting Program													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-Up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Window Film Program													
Non-Residential Heating & Cooling Efficiency Program													
Non-Residential Lighting Systems & Controls Program													
Residential Income and Age Qualifying Home Improvement Program													
Qualifying Small Business Improvement Program													
Residential LED Lighting - NC Only													
Non-Residential Prescriptive Program													
6 Projected NC Jurisdiction Depreciation Expense (Page 4, Line 5 + Line 10)													
Air Conditioner Cycling Program	\$ 5,925	\$ 5,950	\$ 5,974	\$ 5,999	\$ 6,024	\$ 6,049	\$ 6,073	\$ 6,098	\$ 6,123	\$ 6,147	\$ 6,172	\$ 6,197	\$ 72,731
7 Projected NC Jurisdiction Property Taxes													
Air Conditioner Cycling Program	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 819	\$ 9,831
8 Projected NC Jurisdiction Rate Base Costs (Page 4, Line 21)													
Air Conditioner Cycling Program	\$ 4,877	\$ 4,867	\$ 4,857	\$ 4,845	\$ 4,832	\$ 4,819	\$ 4,806	\$ 4,792	\$ 4,776	\$ 4,760	\$ 4,742	\$ 4,725	\$ 55,298
Jurisdiction Projected Net Lost Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Jurisdiction Projected Program Performance Incentive (PPI)													
LED Lighting (PPI Only)	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 40,653
Air Conditioner Cycling Program	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 710	\$ 8,520
Commercial HVAC Upgrade Program	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 5,215
Commercial Lighting Program	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 31,764
Residential Heat Pump Tune-up Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Heat Pump Upgrade Program	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 3,455
Residential Duct Testing & Sealing Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Home Energy Check-Up Program	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 194
Non-Residential Duct Testing & Sealing Program	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 99,455
Non-Residential Energy Audit Program	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 6,319
Non-Residential Window Film Program	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 813	\$ 9,761
Non-Residential Heating & Cooling Efficiency Program	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 2,770	\$ 33,235
Non-Residential Lighting Systems & Controls Program	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 4,375	\$ 52,499
Residential Income and Age Qualifying Home Improvement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Qualifying Small Business Improvement Program	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 7,522
Residential LED Lighting - NC Only	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 932	\$ 11,181
Non-Residential Prescriptive Program	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 319	\$ 3,828
11 Projected Revenue Requirement (Sum Lines 5 through 10)													
Residential Lighting (PPI Only)													
Air Conditioner Cycling Program													
Commercial HVAC Upgrade Program													
Commercial Lighting Program													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-Up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Window Film Program													
Non-Residential Heating & Cooling Efficiency Program													
Non-Residential Lighting Systems & Controls Program													
Residential Income and Age Qualifying Home Improvement Program													
Qualifying Small Business Improvement Program													
Residential LED Lighting - NC Only													
Non-Residential Prescriptive Program													
	\$ 278,890	\$ 279,804	\$ 279,919	\$ 278,832	\$ 331,250	\$ 328,085	\$ 328,100	\$ 329,111	\$ 278,805	\$ 276,813	\$ 276,620	\$ 276,828	\$ 3,542,469

Aug 15 2017

OFFICIAL COPY

E-22 Sub 545

Company Exhibit AJM-1
Schedule 1
Page 5 of 6

For Collection During the Rate Period January 1, 2018 - December 31, 2018

Cost of Capital and Capital Structure (000s)

As of June 30, 2017

line
no.

Description	Average Capitalization	Average Capitalization Ratio	Average Embedded Cost%	Overall Cost Rate
1 Total Long-Term Debt	\$10,278,981	46.775%	4.664%	2.182%
2 Total Preferred Stock	\$0	0.000%	0.000%	0.000%
3 Common Equity	\$11,696,475	53.225%	9.900%	5.269%
4 Total	<u>\$21,975,456</u>	<u>100.000%</u>		<u>7.451%</u>

Aug 15 2017

OFFICIAL COPY

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit AJM-1
Schedule 1
Page 6 of 6

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Projected Revenue Requirement For DSM/EE Rider C
For the Rate Period January 1, 2018 - December 31, 2018

R8-69 (f)(1)(iii)(a) System Rate Period Revenue Requirement per Program (excludes net lost revenue)

Program	O&M (1)	Depreciation Expense	Cost of Capital	Utility Incentives	Total Costs and Incentives
Air Conditioner Cycling Program		\$1,459,872	\$1,109,951	\$171,017	
Residential NC Only Low Income Program		\$0	\$0	\$0	
Commercial HVAC Upgrade Program		\$0	\$0	\$5,215	
Commercial Lighting Program		\$0	\$0	\$31,764	
Residential Heat Pump Tune-up Program		\$0	\$0	\$0	
Residential Heat Pump Upgrade Program		\$0	\$0	\$57,277	
Residential Duct Testing & Sealing Program		\$0	\$0	\$0	
Residential Home Energy Check-Up Program		\$0	\$0	\$3,223	
Non-Residential Duct Testing & Sealing Program		\$0	\$0	\$1,648,960	
Non-Residential Energy Audit Program		\$0	\$0	\$104,764	
Non-Residential Window Film Program		\$0	\$0	\$161,844	
Non-Residential Heating & Cooling Efficiency Program		\$0	\$0	\$551,040	
Non-Residential Lighting Systems & Controls Program		\$0	\$0	\$870,435	
Residential Income and Age Qualifying Home Improvement Program		\$0	\$0	\$0	
Qualifying Small Business Improvement Program		\$0	\$0	\$124,712	
Residential LED Lighting - NC Only		\$0	\$0	\$11,181	
Non-Residential Prescriptive Program		\$0	\$0	\$63,462	
Common Costs	\$1,634,563				\$1,634,563

R8-69 (f)(1)(iii)(a) North Carolina Jurisdictional Rate Period Revenue Requirement per Program (excludes net lost revenue)

Program	O&M (1)	Depreciation Expense	Cost of Capital	Utility Incentives	Total Costs and Incentives
Residential Lighting Program (PPI Only)		\$0	\$0	\$40,653	
Air Conditioner Cycling Program		\$72,731	\$55,298	\$8,520	
Residential NC Only Low Income Program		\$0	\$0	\$0	
Commercial HVAC Upgrade Program		\$0	\$0	\$5,215	
Commercial Lighting Program		\$0	\$0	\$31,764	
Residential Heat Pump Tune-up Program		\$0	\$0	\$0	
Residential Heat Pump Upgrade Program		\$0	\$0	\$3,455	
Residential Duct Testing & Sealing Program		\$0	\$0	\$0	
Residential Home Energy Check-Up Program		\$0	\$0	\$194	
Non-Residential Duct Testing & Sealing Program		\$0	\$0	\$99,455	
Non-Residential Energy Audit Program		\$0	\$0	\$6,319	
Non-Residential Window Film Program		\$0	\$0	\$9,761	
Non-Residential Heating & Cooling Efficiency Program		\$0	\$0	\$33,235	
Non-Residential Lighting Systems & Controls Program		\$0	\$0	\$52,499	
Residential Income and Age Qualifying Home Improvement Program		\$0	\$0	\$0	
Qualifying Small Business Improvement Program		\$0	\$0	\$7,522	
Residential LED Lighting - NC Only		\$0	\$0	\$11,181	
Non-Residential Prescriptive Program		\$0	\$0	\$3,828	

(1) O&M includes AC Cycling Property Taxes

Aug 15 2017

OFFICIAL COPY

Dominion Energy North Carolina
Docket No. E-22, Sub 545
DSM/EE Experience Modification Factor (Rider CE) for the Test Period January 1, 2016 through December 31, 2016
For (Refund)/Recovery in the Rate Period January 1, 2018 - December 31, 2018

Line No.	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Rider CE Total
1 Monthly Revenue Requirement (Page 3; Line 12)	\$ 205,538	\$ 193,518	\$ 245,131	\$ 229,085	\$ 251,205	\$ 415,453	\$ 376,624	\$ 538,431	\$ 385,801	\$ 284,888	\$ 314,728	\$ 44,372	\$ 3,465,272
2 Less: Portion Related to Utility Incentives (Page 3, Lines 9 & 10)	\$ (80,332)	\$ (59,451)	\$ (84,873)	\$ (95,528)	\$ (86,668)	\$ (72,578)	\$ (73,823)	\$ (78,907)	\$ (78,328)	\$ (75,856)	\$ (35,711)	\$ (38,939)	\$ (771,922)
3 Monthly Revenue Requirement Net of Incentives (Line 1 + Line 2)	\$ 145,204	\$ 134,067	\$ 160,258	\$ 164,459	\$ 164,537	\$ 342,877	\$ 302,801	\$ 459,524	\$ 287,272	\$ 208,732	\$ 279,017	\$ 5,434	\$ 2,694,191
4 Monthly Rider C Revenues	\$ 324,888	\$ 263,512	\$ 211,157	\$ 213,355	\$ 218,887	\$ 247,423	\$ 382,108	\$ 316,370	\$ 276,244	\$ 232,575	\$ 265,452	\$ 272,445	\$ 3,222,514
5 Less: Portion Related to Utility Incentives (Rev Req in Previous Rider C Filings)	\$ (15,187)	\$ (12,268)	\$ (9,854)	\$ (9,957)	\$ (10,122)	\$ (11,547)	\$ (17,832)	\$ (14,785)	\$ (12,892)	\$ (10,854)	\$ (12,388)	\$ (12,715)	\$ (150,390)
6 Monthly Rider C Revenues Net of Incentives (Line 4 + Line 5)	\$ 309,821	\$ 251,214	\$ 201,302	\$ 203,398	\$ 206,766	\$ 235,876	\$ 364,274	\$ 301,606	\$ 263,352	\$ 221,721	\$ 253,063	\$ 259,730	\$ 3,072,124
7 Monthly (Over)/Under Recovery Before Carrying Costs (Line 1 - Line 4)	\$ (119,451)	\$ (89,894)	\$ 33,974	\$ 16,830	\$ 34,317	\$ 188,030	\$ (5,482)	\$ 222,081	\$ 89,357	\$ 52,113	\$ 48,276	\$ (228,073)	\$ 242,758
8 Monthly (Over)/Under Recovery Excluding Utility Incentives (Line 3 - Line 6)	\$ (164,617)	\$ (117,148)	\$ (21,045)	\$ (38,939)	\$ (22,229)	\$ 107,001	\$ (81,473)	\$ 157,918	\$ 23,620	\$ (12,888)	\$ 25,954	\$ (254,297)	\$ (377,643)
9 Deferred Income Tax	\$ (83,880)	\$ (45,456)	\$ (8,160)	\$ (15,110)	\$ (8,826)	\$ 41,522	\$ (23,854)	\$ 61,280	\$ 9,282	\$ (5,040)	\$ 10,071	\$ (98,680)	\$ (148,661)
10 Net Monthly (Over)/Under Recovery Net of ADIT and Incentives (Line 8 - Line 9)	\$ (100,737)	\$ (71,688)	\$ (12,878)	\$ (23,829)	\$ (13,803)	\$ 65,479	\$ (37,618)	\$ 96,638	\$ 14,638	\$ (7,949)	\$ 15,882	\$ (155,617)	\$ (231,283)
11 Cumulative Net Monthly (Over)/Under Recovery (Net of Incentives)	\$ (100,737)	\$ (172,428)	\$ (185,304)	\$ (200,133)	\$ (222,738)	\$ (157,257)	\$ (194,875)	\$ (88,237)	\$ (83,599)	\$ (91,548)	\$ (75,666)	\$ (231,283)	
12 Two Month Average Cumulative Net (Over)/Under Recovery (Net of Incentives)	\$ (50,369)	\$ (136,582)	\$ (178,885)	\$ (197,210)	\$ (215,935)	\$ (189,997)	\$ (176,068)	\$ (148,558)	\$ (90,818)	\$ (87,574)	\$ (83,607)	\$ (153,474)	
13 Ending Cost on Cumulative (Over)/Under Recovery [1]	\$ (488)	\$ (1,271)	\$ (1,884)	\$ (1,835)	\$ (2,009)	\$ (1,788)	\$ (1,858)	\$ (1,383)	\$ (848)	\$ (815)	\$ (740)	\$ (1,258)	\$ (15,776)
14 EE/EMF to be (refunded)/collected during the Rate Period (Line 7 + Line 13)	\$ (119,920)	\$ (71,285)	\$ 32,310	\$ 14,795	\$ 32,308	\$ 186,262	\$ (7,120)	\$ 220,668	\$ 88,511	\$ 51,298	\$ 48,536	\$ (228,431)	\$ 226,982
15 Revenue Requirement for Financing Costs on Current Rider CE (Over) Recovery Net of Utility Incentives and ADIT for Jan 2017 - Dec 2017 (Page 6, Line 5)													\$ (24,552)
16 Total DSM EE EMF Rider CE Revenue Requirement to be (Refunded)/Collected over the January 1, 2018 - December 31, 2018 Rate Year													\$ 202,430

[1] Pre-tax Overall Weighted Rate of Return Jan - Oct, Approved in Docket No. E-22, Sub 470. Nov and Dec Approved in Docket No. E-22, Sub 632.

Aug 15 2017

OFFICIAL COPY

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Actual Revenue Requirement for DSM/EE EMF Rider CE
For the Test Period January 1, 2016 - December 31, 2016

	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16	Total Test Period
1 System Program Operating Expenses													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Residential Income & Age Qualifying Home Improvement Program													
2 Allocate System Common Costs to Programs													
Air Conditioner Cycling Program	\$ 24,720	\$ 23,058	\$ 10,944	\$ 17,737	\$ 18,800	\$ 13,640	\$ 18,835	\$ 23,382	\$ 25,802	\$ 20,500	\$ 19,770	\$ 4,491	\$ 225,455
Residential Lighting Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Low Income Program (NC Only)	\$ 30	\$ 33	\$ 22	\$ 20	\$ 27	\$ 20	\$ 27	\$ 34	\$ 37	\$ 29	\$ 27	\$ 6	\$ 324
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)	\$ 3	\$ 3	\$ 2	\$ 2	\$ 2	\$ 2	\$ 2	\$ 3	\$ 3	\$ 2	\$ 2	\$ 0	\$ 25
Commercial Lighting Program (NC Trailing EMV Costs Only)	\$ 4	\$ 4	\$ 3	\$ 3	\$ 3	\$ 2	\$ 3	\$ 4	\$ 4	\$ 3	\$ 3	\$ 1	\$ 38
Residential Heat Pump Tune-up Program	\$ 11,721	\$ 10,931	\$ 7,806	\$ 8,409	\$ 8,817	\$ 8,408	\$ 8,829	\$ 11,084	\$ 12,185	\$ 9,722	\$ 8,886	\$ 2,120	\$ 106,878
Residential Heat Pump Upgrade Program	\$ 9,249	\$ 8,825	\$ 6,001	\$ 6,935	\$ 6,956	\$ 6,102	\$ 7,045	\$ 8,745	\$ 9,589	\$ 7,871	\$ 7,021	\$ 1,850	\$ 84,334
Residential Duct Testing & Sealing Program	\$ 2,710	\$ 2,525	\$ 1,764	\$ 1,980	\$ 2,045	\$ 1,500	\$ 2,071	\$ 2,571	\$ 2,822	\$ 2,255	\$ 2,064	\$ 464	\$ 24,700
Residential Home Energy Check-up Program	\$ 16,250	\$ 15,162	\$ 10,550	\$ 11,863	\$ 12,231	\$ 8,969	\$ 12,385	\$ 16,378	\$ 16,874	\$ 13,485	\$ 12,342	\$ 2,953	\$ 148,248
Non-Residential Duct Testing & Sealing Program	\$ 19,951	\$ 18,908	\$ 12,940	\$ 14,212	\$ 15,008	\$ 11,008	\$ 13,198	\$ 19,867	\$ 20,708	\$ 16,549	\$ 15,145	\$ 3,824	\$ 181,919
Non-Residential Energy Audit Program	\$ 6,201	\$ 7,732	\$ 5,380	\$ 5,949	\$ 6,237	\$ 4,574	\$ 6,315	\$ 7,840	\$ 8,853	\$ 6,877	\$ 6,294	\$ 1,806	\$ 75,580
Non-Residential Lighting Systems and Controls	\$ 24,258	\$ 22,713	\$ 15,804	\$ 17,472	\$ 18,322	\$ 13,436	\$ 18,553	\$ 23,032	\$ 25,278	\$ 20,202	\$ 18,485	\$ 4,424	\$ 222,080
Non-Residential Heating & Cooling Efficiency	\$ 4,541	\$ 4,234	\$ 2,945	\$ 3,257	\$ 3,416	\$ 2,505	\$ 3,458	\$ 4,294	\$ 4,712	\$ 3,758	\$ 3,447	\$ 825	\$ 41,402
Non-Residential Window Film	\$ 1,478	\$ 1,377	\$ 958	\$ 1,059	\$ 1,110	\$ 814	\$ 1,125	\$ 1,390	\$ 1,532	\$ 1,224	\$ 1,121	\$ 288	\$ 13,451
Residential Income & Age Qualifying Home Improvement Program	\$ 21,387	\$ 19,825	\$ 13,854	\$ 15,328	\$ 16,073	\$ 11,787	\$ 16,278	\$ 20,205	\$ 22,175	\$ 17,722	\$ 16,220	\$ 3,881	\$ 184,824
3 System Operating Expenses Including Allocated Common Costs													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Residential Income & Age Qualifying Home Improvement Program													
4 Jurisdictional Assignment Factors													
Air Conditioner Cycling Program	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%
Residential Lighting Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Low Income Program (NC Only)	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
Commercial Lighting Program (NC Trailing EMV Costs Only)	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Heat Pump Tune-up Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Heat Pump Upgrade Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Duct Testing & Sealing Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Home Energy Check-up Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Duct Testing & Sealing Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Energy Audit Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Lighting Systems and Controls	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Heating & Cooling Efficiency	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Non-Residential Window Film	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%
Residential Income & Age Qualifying Home Improvement Program	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%	0.0314%

Aug 15 2017

OFFICIAL COPY

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit AUM-1
Schedule 2
Page 3 of 7

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Actual Revenue Requirement for DSM/EE EMF Rider CE
For the Test Period January 1, 2016 - December 31, 2016

Line No.	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16	Total Test Period
6 NC Jurisdiction Operating Expenses (Line 3 "Line 4")													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Residential Income & Age Qualifying Home Improvement Program													
6 NC Jurisdiction Property Taxes													
Air Conditioner Cycling Program	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 8,400
7 NC Jurisdiction Depreciation Expense (Page 4, Line 2 "Line 7")													
Air Conditioner Cycling Program	\$ 5,171	\$ 5,331	\$ 5,401	\$ 5,381	\$ 4,801	\$ 6,275	\$ 6,281	\$ 5,282	\$ 6,287	\$ 5,298	\$ 6,304	\$ (5,343)	\$ 52,220
8 NC Jurisdiction Rate Base Costs (Page 4, Line 18)													
Air Conditioner Cycling Program	\$ 5,344	\$ 5,445	\$ 5,514	\$ 5,510	\$ 5,458	\$ 6,320	\$ 6,308	\$ 6,271	\$ 6,235	\$ 6,208	\$ 6,059	\$ 6,024	\$ 63,911
9 NC Jurisdiction Net Lost Revenues (Page 5, Line 6)													
Residential Lighting Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Low Income Program (NC Only)	\$ 2,310	\$ 2,270	\$ 2,234	\$ 2,229	\$ 2,216	\$ 2,657	\$ 2,647	\$ 2,687	\$ 2,620	\$ 2,058	\$ -	\$ -	\$ 23,732
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial Lighting Program (NC Trailing EMV Costs Only)	\$ 6,411	\$ 4,430	\$ 4,406	\$ 4,206	\$ 4,469	\$ 4,384	\$ 4,470	\$ 4,964	\$ 4,809	\$ 4,022	\$ -	\$ -	\$ 45,547
Residential Heat Pump Tune-up Program	\$ 4,814	\$ 5,005	\$ 5,145	\$ 5,337	\$ 5,447	\$ 6,789	\$ 6,917	\$ 7,082	\$ 7,172	\$ 8,048	\$ 650	\$ 649	\$ 60,965
Residential Heat Pump Upgrade Program	\$ 865	\$ 965	\$ 990	\$ 1,038	\$ 1,074	\$ 1,399	\$ 1,452	\$ 1,555	\$ 1,606	\$ 1,280	\$ 324	\$ 335	\$ 13,023
Residential Duct Testing & Sealing Program	\$ 420	\$ 451	\$ 543	\$ 602	\$ 633	\$ 795	\$ 804	\$ 917	\$ 920	\$ 656	\$ 38	\$ 38	\$ 8,537
Residential Home Energy Check-up Program	\$ 3,043	\$ 3,045	\$ 3,051	\$ 3,057	\$ 3,063	\$ 4,739	\$ 4,714	\$ 4,712	\$ 4,728	\$ 3,945	\$ -	\$ -	\$ 42,580
Non-Residential Duct Testing & Sealing Program	\$ 13,343	\$ 13,372	\$ 13,803	\$ 13,800	\$ 13,713	\$ 14,190	\$ 14,606	\$ 15,562	\$ 15,721	\$ 14,901	\$ 2,855	\$ 2,781	\$ 148,785
Non-Residential Energy Audit Program	\$ 3,548	\$ 3,568	\$ 3,708	\$ 3,644	\$ 3,567	\$ 3,601	\$ 3,575	\$ 3,545	\$ 3,597	\$ 4,172	\$ 803	\$ 1,557	\$ 38,805
Non-Residential Lighting Systems and Controls	\$ 2,831	\$ 2,562	\$ 7,165	\$ 8,104	\$ 8,825	\$ 10,531	\$ 10,264	\$ 14,004	\$ 13,455	\$ 14,783	\$ 8,085	\$ 10,853	\$ 110,345
Non-Residential Heating & Cooling Efficiency	\$ 207	\$ 309	\$ 321	\$ 335	\$ 859	\$ 1,503	\$ 1,471	\$ 1,409	\$ 1,408	\$ 1,207	\$ 37	\$ 37	\$ 9,110
Non-Residential Window Film	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Income & Age Qualifying Home Improvement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60	\$ 97	\$ 130	\$ 172	\$ 377	\$ 627	\$ 1,362
10 NC Jurisdiction Program Performance Incentive (PPI)													
Air Conditioner Cycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Lighting Program	\$ 3,368	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 40,653
Residential Low Income Program (NC Only)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 5,215
Commercial Lighting Program (NC Trailing EMV Costs Only)	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 2,647	\$ 31,764
Residential Heat Pump Tune-up Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Heat Pump Upgrade Program	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 3,455
Residential Duct Testing & Sealing Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Home Energy Check-up Program	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 16	\$ 194
Non-Residential Duct Testing & Sealing Program	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 8,258	\$ 99,455
Non-Residential Energy Audit Program	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 627	\$ 6,319
Non-Residential Lighting Systems and Controls	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 3,764	\$ 45,172
Non-Residential Heating & Cooling Efficiency	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 2,567	\$ 30,798
Non-Residential Window Film	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 504	\$ 7,124
Residential Income & Age Qualifying Home Improvement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11 Revenue Requirement (Sum Lines 5 through 10)													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Residential Income & Age Qualifying Home Improvement Program													
12 Total Revenue Requirement All Programs	\$ 205,530	\$ 193,518	\$ 245,131	\$ 229,985	\$ 251,205	\$ 415,453	\$ 378,624	\$ 538,431	\$ 365,801	\$ 284,688	\$ 314,728	\$ 44,372	\$ 3,465,272

Aug 15 2017

OFFICIAL COPY

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Rate Base Costs For the Test Period January 1, 2016 - December 31, 2016

Line No.	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16
1 System Level Plant In Service Air Conditioner Cycling Program	\$ 18,882,740	\$ 19,015,679	\$ 19,023,868	\$ 19,849,858	\$ 19,403,068	\$ 19,459,755	\$ 19,478,764	\$ 19,484,035	\$ 19,500,190	\$ 19,543,769	\$ 19,593,477	\$ 19,352,009	
2 System Depreciation Expense Air Conditioner Cycling Program	\$ 129,297	\$ 130,803	\$ 130,697	\$ 129,420	\$ 129,010	\$ 91,542	\$ 105,877	\$ 105,907	\$ 106,025	\$ 106,114	\$ 106,350	\$ 106,438	\$ (107,253)
3 System Accumulated Depreciation Air Conditioner Cycling Program	\$ 4,062,290	\$ 4,198,063	\$ 4,273,060	\$ 4,391,479	\$ 4,489,486	\$ 4,581,038	\$ 4,668,916	\$ 4,762,912	\$ 4,838,937	\$ 5,005,051	\$ 5,111,401	\$ 5,217,859	\$ 5,110,908
4 Cumulative System Net Plant (Line 1 - Line 3)	\$ 14,820,450	\$ 14,897,616	\$ 15,355,400	\$ 15,642,386	\$ 15,300,302	\$ 14,822,000	\$ 14,780,840	\$ 14,683,372	\$ 14,563,099	\$ 14,495,139	\$ 14,432,355	\$ 14,345,918	\$ 14,242,083
5 System Accumulated Deferred Income Tax Air Conditioner Cycling Program	\$ (3,281,087)	\$ (3,386,789)	\$ (3,308,121)	\$ (3,290,719)	\$ (3,273,308)	\$ (3,255,002)	\$ (3,238,495)	\$ (3,221,086)	\$ (3,203,861)	\$ (3,186,274)	\$ (3,168,869)	\$ (3,151,480)	\$ (3,134,041)
6 Monthly Rate Base System (Line 4 + Line 5) Air Conditioner Cycling Program	\$ 11,539,363	\$ 11,512,817	\$ 12,063,279	\$ 12,353,674	\$ 12,027,054	\$ 11,566,126	\$ 11,533,345	\$ 11,464,784	\$ 11,361,410	\$ 11,308,865	\$ 11,263,487	\$ 11,194,158	\$ 11,108,022
7 Jurisdictional Allocation Factor Air Conditioner Cycling Program	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%
8 North Carolina Rate Base (Line 6 * Line 7) Air Conditioner Cycling Program	\$ 579,846	\$ 574,067	\$ 601,669	\$ 610,376	\$ 602,177	\$ 579,224	\$ 574,402	\$ 571,376	\$ 567,022	\$ 563,403	\$ 561,147	\$ 557,693	\$ 553,402
9 Annual Rate Base (2 month average) Capital (Page 9, Line 412)	\$ 578,959	\$ 567,679	\$ 606,134	\$ 606,278	\$ 599,201	\$ 575,359	\$ 572,834	\$ 569,069	\$ 565,215	\$ 562,278	\$ 559,420	\$ 555,547	\$ 552,959
10 Net Operating Income (Line 9 * Line 10)	\$ 3,671	\$ 3,741	\$ 3,857	\$ 3,858	\$ 3,740	\$ 3,681	\$ 3,645	\$ 3,621	\$ 3,590	\$ 3,570	\$ 3,484	\$ 3,460	\$ 3,460
11 Net Interest Expense LTD Weighted Average Cost of Funds (Page 9, Line 412) Rate Base (2 month average) (Line 9)	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%	\$ 0.1790%
12 Revenue Requirement - Interest Expense on Debt	\$ 1,033	\$ 1,652	\$ 1,085	\$ 1,085	\$ 1,055	\$ 1,030	\$ 1,025	\$ 1,019	\$ 1,012	\$ 1,006	\$ 1,001	\$ 994	\$ 984
13 Net Income Related to Common Equity (Line 11 - Line 14)	\$ 2,638	\$ 2,089	\$ 2,772	\$ 2,772	\$ 2,694	\$ 2,651	\$ 2,670	\$ 2,602	\$ 2,585	\$ 2,571	\$ 2,483	\$ 2,466	\$ 2,466
14 North Carolina Jurisdictional Income Tax Gross-up Factor	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%	81.20%
15 Revenue Requirement - Common Equity Including Income Taxes	\$ 4,311	\$ 4,294	\$ 4,529	\$ 4,531	\$ 4,403	\$ 4,399	\$ 4,281	\$ 4,253	\$ 4,224	\$ 4,202	\$ 4,157	\$ 4,129	\$ 4,079
16 Revenue Requirement on Rate Base (Line 14 + Line 17)	\$ 5,244	\$ 5,448	\$ 5,614	\$ 5,616	\$ 5,455	\$ 5,320	\$ 5,308	\$ 5,271	\$ 5,235	\$ 5,208	\$ 5,059	\$ 5,024	\$ 5,024

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Actual Net Lost Revenues
For the Test Period January 1, 2016 - December 31, 2016

Line ID	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16	Total Test Period
1 Residential Energy Rebuilds (NWR)													
Residential Lighting Program	39,485	35,835	35,149	33,062	34,870	34,870	34,845	33,785	33,164	32,380	-	-	340,461
Residential Low Income Program (NC Only)	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	82,380	80,355	80,358	80,358	80,358	80,358	80,358	80,358	80,358	80,358	-	-	803,977
Commercial Lighting Program (NC Trailing EMT Costs Only)	75,380	75,380	75,380	75,380	75,380	75,380	75,380	75,380	75,380	75,380	-	-	800,840
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	13,861	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	12,951	-	-	138,378
Residential Heat Pump Upgrade Program	6,651	7,140	8,565	9,599	10,023	10,365	10,196	20,564	21,047	21,804	4,365	4,333	188,516
Residential Heat Pump Upgrade Program	62,298	62,300	62,300	62,300	62,300	62,300	62,300	62,300	62,300	62,300	510	510	622,861
Residential Heat Pump Upgrade Program	21,178	21,244	21,244	21,244	21,244	21,244	21,244	21,244	21,244	21,244	-	-	232,035
Non-Residential Duct Testing & Sealing Program	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	-	-	10,000
Non-Residential Duct Testing & Sealing Program	33,853	36,305	36,305	36,305	36,305	36,305	36,305	36,305	36,305	36,305	-	-	363,050
Non-Residential Lighting Systems and Controls	5,317	5,317	5,317	5,317	5,317	5,317	5,317	5,317	5,317	5,317	-	-	53,170
Non-Residential Heating & Cooling Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Window Film	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Income & Age Qualifying Home Improvement Program	-	-	-	-	-	-	-	-	-	-	-	-	-
2 Billing Data													
Residential Lighting Program	0.00333	0.00351	0.00355	0.00355	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354	0.00354
Residential Low Income Program (NC Only)	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390	0.00390
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264	0.01264
Commercial Lighting Program (NC Trailing EMT Costs Only)	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152	0.01152
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320
Residential Heat Pump Upgrade Program	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318	0.00318
Residential Heat Pump Upgrade Program	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335	0.00335
Residential Heat Pump Upgrade Program	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320
Non-Residential Duct Testing & Sealing Program	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320
Non-Residential Duct Testing & Sealing Program	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320	0.00320
Non-Residential Lighting Systems and Controls	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353	0.00353
Non-Residential Heating & Cooling Efficiency	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373	0.00373
Non-Residential Window Film	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395
Residential Income & Age Qualifying Home Improvement Program	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395	0.00395
3 Residential Lost Revenues (Line 13 + Line 2)													
Residential Lighting Program	2,319	2,279	2,234	2,230	2,217	2,200	2,188	2,177	2,161	2,148	-	-	22,764
Residential Low Income Program (NC Only)	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	9,412	9,408	9,408	9,408	9,408	9,408	9,408	9,408	9,408	9,408	-	-	94,080
Commercial Lighting Program (NC Trailing EMT Costs Only)	865	865	865	865	865	865	865	865	865	865	-	-	8,650
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	420	451	543	602	633	788	907	920	920	920	38	38	4,243
Residential Heat Pump Upgrade Program	3,945	3,947	3,952	3,955	3,957	4,741	4,733	4,730	4,733	4,733	38	38	42,843
Residential Heat Pump Upgrade Program	13,340	13,370	13,395	13,403	13,416	13,428	13,438	13,448	13,458	13,468	2,785	2,785	140,039
Non-Residential Duct Testing & Sealing Program	2,832	2,831	2,831	2,831	2,831	2,831	2,831	2,831	2,831	2,831	10,319	10,319	110,520
Non-Residential Duct Testing & Sealing Program	307	309	321	329	339	350	350	350	350	350	37	37	3,128
Non-Residential Lighting Systems and Controls	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Heating & Cooling Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Window Film	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Income & Age Qualifying Home Improvement Program	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Variable O&M Savings													
Residential Lighting Program	(10)	4	(8)	(10)	(43)	(53)	(714)	(323)	(64)	(22)	(28)	(28)	(750)
Residential Low Income Program (NC Only)	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial Lighting Program (NC Trailing EMT Costs Only)	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Heat Pump Upgrade Program	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Heat Pump Upgrade Program	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Duct Testing & Sealing Program	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Duct Testing & Sealing Program	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Lighting Systems and Controls	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Heating & Cooling Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Window Film	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Income & Age Qualifying Home Improvement Program	-	-	-	-	-	-	-	-	-	-	-	-	-
5 Fixed Revenues													
Net Lost Revenues (Line 3 + Line 4 + Line 5)	2,319	2,279	2,234	2,230	2,217	2,200	2,188	2,177	2,161	2,148	-	-	22,764
Residential Lighting Program (NC Only)	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	9,412	9,408	9,408	9,408	9,408	9,408	9,408	9,408	9,408	9,408	-	-	94,080
Commercial Lighting Program (NC Trailing EMT Costs Only)	865	865	865	865	865	865	865	865	865	865	-	-	8,650
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	420	451	543	602	633	788	907	920	920	920	38	38	4,243
Residential Heat Pump Upgrade Program	3,945	3,947	3,952	3,955	3,957	4,741	4,733	4,730	4,733	4,733	38	38	42,843
Residential Heat Pump Upgrade Program	13,340	13,370	13,395	13,403	13,416	13,428	13,438	13,448	13,458	13,468	2,785	2,785	140,039
Non-Residential Duct Testing & Sealing Program	2,832	2,831	2,831	2,831	2,831	2,831	2,831	2,831	2,831	2,831	10,319	10,319	110,520
Non-Residential Duct Testing & Sealing Program	307	309	321	329	339	350	350	350	350	350	37	37	3,128
Non-Residential Lighting Systems and Controls	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Heating & Cooling Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Window Film	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Income & Age Qualifying Home Improvement Program	-	-	-	-	-	-	-	-	-	-	-	-	-
6 Net Lost Revenues (Line 3 + Line 4 + Line 5)													
Residential Lighting Program (NC Only)	2,319	2,279	2,234	2,230	2,217	2,200	2,188	2,177	2,161	2,148	-	-	22,764
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	9,412	9,408	9,408	9,408	9,408	9,408	9,408	9,408	9,408	9,408	-	-	94,080
Commercial Lighting Program (NC Trailing EMT Costs Only)	865	865	865	865	865	865	865	865	865	865	-	-	8,650
Commercial HVAC Upgrade Program (NC Trailing EMT Costs Only)	420	451	543	602	633	788	907	920	920	920	38	38	4,243
Residential Heat Pump Upgrade Program	3,945	3,947	3,952	3,955	3,957	4,741	4,733	4,730	4,733	4,733	38	38	42,843
Residential Heat Pump Upgrade Program	13,340	13,370	13,395	13,403	13,416	13,428	13,438	13,448	13,458	13,468	2,785	2,785	140,039
Non-Residential Duct Testing & Sealing Program	2,832	2,831	2,831	2,831	2,831	2,831	2,831	2,831	2,831	2,831	10,319	10,319	110,520
Non-Residential Duct Testing & Sealing Program	307	309	321	329	339	350	350	350	350	350	37	37	3,128
Non-Residential Lighting Systems and Controls	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Heating & Cooling Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Window Film	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Income & Age Qualifying Home Improvement Program	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Lost Revenues All Programs													
	\$ 37,820	\$ 36,839	\$ 42,381	\$ 43,014	\$ 44,155	\$ 60,060	\$ 51,310	\$ 58,817	\$ 53,443	\$ 13,168	\$ 16,428	\$ 500,842	

Aug 15 2017

OFFICIAL COPY

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Refund of Financing Costs on Current Rider CE EMF Over-Recovery Over the Period of January 2017 - December 2017
To Be Refunded Over the Rate Period January 1, 2018 - December 31, 2018

line
no.

1	Test Period (Over)/Under Recovery - Net of Utility Incentives (Net of ADIT), R8-69(b)(6) (Schedule 2, Page 1, Line 8)	\$ (231,283)
2	Overall Cost of Capital Approved in Docket No. E-22, Sub 479 Grossed Up for Taxes	10.62%
3	Monthly Interest Rate (Line 2/12)	0.8846%
4	Number of Months Refund is Outstanding (January 2017 - December 2017)	12
5	Interest to be Paid on Test Period (Over) Recovery Net of ADIT	\$ (24,552)

Aug 15 2017

OFFICIAL COPY

VIRGINIA ELECTRIC AND POWER COMPANY
Cost of Capital and Capital Structure
13-Month Average
As of December 31, 2016

line no.	Description	Average Capitalization	Average Capitalization Ratio	Average Embedded Cost%	Overall Cost Rate
1	Total Long-Term Debt	9,638,131	46.201%	4.6493%	2.148%
2	Total Preferred Stock	0	0.000%	0.0000%	0.000%
3	Common Equity	11,223,147	53.799%	10.2000%	5.487%
4	Total	<u>\$20,861,278</u>	<u>100.000%</u>		<u>7.636%</u>

VIRGINIA ELECTRIC AND POWER COMPANY
Cost of Capital and Capital Structure
13-Month Average
As of December 31, 2016

	Description	Average Capitalization	Average Capitalization Ratio	Average Embedded Cost%	Overall Cost Rate
5	Total Long-Term Debt	9,638,131	46.201%	4.6493%	2.148%
6	Total Preferred Stock	0	0.000%	0.0000%	0.000%
7	Common Equity	11,223,147	53.799%	9.9000%	5.326%
8	Total	<u>\$20,861,278</u>	<u>100.000%</u>		<u>7.474%</u>

Aug 15 2017

OFFICIAL COPY

file: Summary ADIT AC Cycling 2017 Filing 8.7.2017

Virginia Power
Estimated ADIT
Dec 2015 - Dec 2018

Year	Month	ADIT
2015	Dec	(3,281,667)
2016	Jan	(3,386,799)
2016	Feb	(3,308,121)
2016	Mar	(3,290,715)
2016	Apr	(3,273,308)
2016	May	(3,255,902)
2016	Jun	(3,238,495)
2016	Jul	(3,221,088)
2016	Aug	(3,203,681)
2016	Sep	(3,186,274)
2016	Oct	(3,168,868)
2016	Nov	(3,151,460)
2016	Dec	(3,134,041)
2017	Jan	(3,116,358)
2017	Feb	(3,098,675)
2017	Mar	(3,080,992)
2017	Apr	(3,063,309)
2017	May	(3,045,626)
2017	Jun	(3,027,943)
2017	Jul	(3,010,261)
2017	Aug	(2,992,578)
2017	Sep	(2,974,895)
2017	Oct	(2,957,212)
2017	Nov	(2,939,529)
2017	Dec	(2,921,848)
2018	Jan	(2,907,602)
2018	Feb	(2,894,494)
2018	Mar	(2,882,645)
2018	Apr	(2,872,014)
2018	May	(2,862,641)
2018	Jun	(2,854,488)
2018	Jul	(2,847,594)
2018	Aug	(2,841,959)
2018	Sep	(2,837,541)
2018	Oct	(2,834,383)
2018	Nov	(2,832,443)
2018	Dec	(2,831,762)

OFFICIAL COPY

Aug 15 2017

Virginia Power
State Apportionment
2017

		<u>Non Current Def</u>	
NC	3.687501%		
Current	3.000000%		
Def Current	3.000000%		
Non Current	2.500000%		
	0.110625%	0.00092188	
WV	2.465100%		
Current	6.500000%		
Def Current	6.500000%		
Non Current	6.500000%		
	0.160232%	0.00160232	
VA	93.355900%		
	6.000000%		
Non Current	6.000000%		
	5.601354%	0.05601354	
DC	0.000000%		
	9.000000%		
Non Current	9.000000%		
	0.000000%	0.00000000	
		0.05853774	
		0.03804953	
		0.35000000	
		0.38804953	

OFFICIAL COPY

Aug 15 2017

Dominion Energy North Carolina
Docket No. E-22, Sub 545
Monthly Revenues - Rider C
For the Test Period January 1, 2016 - December 31, 2016

<u>Revenue Class</u>	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>May-16</u>	<u>Jun-16</u>	<u>Jul-16</u>	<u>Aug-16</u>	<u>Sep-16</u>	<u>Oct-16</u>	<u>Nov-16</u>	<u>Dec-16</u>	<u>2016 Totals</u>
Residential	\$ 183,848	\$ 201,567	\$ 148,389	\$ 108,397	\$ 120,931	\$ 170,501	\$ 237,799	\$ 236,934	\$ 174,744	\$ 128,446	\$ 121,416	\$ 186,927	\$ 2,019,908
Commercial	\$ 58,458	\$ 51,236	\$ 49,644	\$ 49,859	\$ 53,533	\$ 59,848	\$ 73,869	\$ 76,856	\$ 67,617	\$ 62,405	\$ 52,840	\$ 57,485	\$ 711,338
Industrial	\$ 74,142	\$ 1,102	\$ 4,938	\$ 47,103	\$ 33,700	\$ 7,425	\$ 59,773	\$ (8,855)	\$ 23,254	\$ 32,125	\$ 83,663	\$ 18,401	\$ 376,769
COV	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Co/Muni	\$ 10,539	\$ 9,607	\$ 8,178	\$ 7,996	\$ 8,724	\$ 9,651	\$ 10,866	\$ 11,436	\$ 10,629	\$ 9,510	\$ 7,733	\$ 9,632	\$ 114,499
St & Traffic (COVA)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue by Month	\$ 324,988	\$ 263,512	\$ 211,157	\$ 213,355	\$ 216,887	\$ 247,423	\$ 382,108	\$ 316,370	\$ 276,244	\$ 232,575	\$ 265,452	\$ 272,445	\$ 3,222,514

Aug 15 2017

OFFICIAL COPY

I/A

Revenue Requirement per Appropriate Unit
R8-69(f)(1)(ii)(a)

Program	Total Revenue Requirement (000s)	kW Reductions	MWh Reductions	DSM Cost per kW	EE Cost per MWh
Air Conditioner Cycling Program	10,673	99,738	N/A	\$ 107	N/A
Non-Residential Window Film Program	2,435	44,119	48,818	N/A	\$ 50
Non-Residential Heating & Cooling Efficiency Program	2,561	52,660	138,013	N/A	\$ 19
Non-Residential Lighting Systems & Controls Program	7,261	32,688	210,465	N/A	\$ 34
Residential Income and Age Qualifying Home Improvement Program	-	1,258	6,360	N/A	\$ -
Non-Residential Small Business Improvement Program	6,779	2,193	14,929	N/A	\$ 454
North Carolina-only Residential Retail LED Lighting Program	1,129	1,010	7,114	N/A	\$ 159
Non-Residential Prescriptive Program	6,410	9,053	59,230	N/A	\$ 108

*Note: 1) Exclusive of net lost revenues**Note: 2) Based on Individual Program Evaluation***Avoided Costs per Appropriate Unit**
R8-69(f)(1)(ii)(b)

Program	Total Avoided Costs (000s)	Capacity Reductions kW	Energy Reductions (MWh)	DSM Avoided Cost per kW	EE Avoided Cost per MWh
Air Conditioner Cycling Program	\$ 3,518	99,738	N/A	\$ 35	\$ -
Non-Residential Window Film Program	\$ 3,921	44,119	48,818	\$ 89	\$ 80
Non-Residential Heating & Cooling Efficiency Program	\$ 7,578	52,660	138,013	\$ 144	\$ 55
Non-Residential Lighting Systems & Control Program	\$ 9,042	32,688	210,465	\$ 277	\$ 43
Residential Income and Age Qualifying Home Improvement	\$ 301	1,258	6,360	\$ 239	\$ 47
Non-Residential Small Business Improvement Program	\$ 602	2,193	14,929	\$ 274	\$ 40
North Carolina-only Residential Retail LED Lighting Program	\$ 302	1,010	7,114	\$ 299	\$ 43
Non-Residential Prescriptive Program	\$ 2,406	9,053	59,230	\$ 266	\$ 41

Note: Based on Individual Program Evaluation

2017 Summer/Winter Peak & Energy Savings (System-Level at the Meter)
R8-69(f)(1)(ii)(d)(e)

Program	Summer MW Reductions (2018)	Winter MW Reductions (2018)	GWh Reductions (2018)
AC Cycling Program	99.74	0.00	0.00
Non-Residential Window Film Program	44.12	0.00	48.82
Non-Residential Heating & Cooling Efficiency Program	52.66	26.99	138.01
Non-Residential Lighting Systems & Control Program	32.69	32.54	210.46
Residential Income and Age Qualifying Home Improvement Program	1.26	1.61	6.36
Non-Residential Small Business Improvement Program	2.19	0.96	14.93
North Carolina-only Residential Retail LED Lighting Program	1.01	0.34	7.11
Non-Residential Prescriptive Program	9.05	3.61	59.23

Note: Based on Individual Program Evaluation

Non-Residential Heating and Cooling Efficiency Program UCT
Program Life 15.00

	2018 Pen. Benefits	2018 Pen. Costs		2018 Vintage Year C/B Scores	
Year	Total Benefits (000s)	Total Costs (000s)	Annual Net Benefits (000s)	UCT Ratio	TRC Ratio
NPV	\$ 58,090	\$ 1,890	\$56,200.00	30.73	16.95
2017	\$ -	\$ -	\$ -		
2018	\$ 2,267	\$ 2,010	\$258		
2019	\$ 4,236	\$ -	\$ 4,236		
2020	\$ 4,467	\$ -	\$ 4,467		
2021	\$ 4,494	\$ -	\$ 4,494		
2022	\$ 6,757	\$ -	\$ 6,757		
2023	\$ 6,826	\$ -	\$ 6,826		
2024	\$ 7,293	\$ -	\$ 7,293		
2025	\$ 7,035	\$ -	\$ 7,035		
2026	\$ 7,148	\$ -	\$ 7,148		
2027	\$ 6,562	\$ -	\$ 6,562		
2028	\$ 6,828	\$ -	\$ 6,828		
2029	\$ 8,237	\$ -	\$ 8,237		
2030	\$ 7,445	\$ -	\$ 7,445		
2031	\$ 7,540	\$ -	\$ 7,540		
2032	\$ 7,942	\$ -	\$ 7,942		
2033	\$ 3,572	\$ -	\$ 3,572		

Note: Based on Individual Program Evaluation

OFFICIAL COPY

Aug 15 2017

Non-Residential Lighting Systems and Controls Program UCT
Program Life 9.00

	2018 Pen. Benefits	2018 Pen. Costs		2018 Vintage Year C/B Scores	
Year	Total Benefits (000s)	Total Costs (000s)	Annual Net Benefits (000s)	UCT Ratio	TRC Ratio
NPV	\$ 25,816	\$ 6,011	\$19,804.28	4.29	2.71
2017	\$ -	\$ -	\$ -		
2018	\$ 1,699	\$ 6,391	-\$4,691		
2019	\$ 3,208	\$ -	\$ 3,208		
2020	\$ 3,296	\$ -	\$ 3,296		
2021	\$ 3,363	\$ -	\$ 3,363		
2022	\$ 4,353	\$ -	\$ 4,353		
2023	\$ 4,410	\$ -	\$ 4,410		
2024	\$ 4,628	\$ -	\$ 4,628		
2025	\$ 4,601	\$ -	\$ 4,601		
2026	\$ 4,790	\$ -	\$ 4,790		
2027	\$ 2,104	\$ -	\$ 2,104		

Note: Based on Individual Program Evaluation

AC Cycling Program UCT
Program Life 15.00

Year	2018 Pen. Benefits	2018 Pen. Costs	Annual Net Benefits (000s)	2018 Vintage Year C/B Scores	
	Total Benefits (000s)	Total Costs (000s)		UCT Ratio	TRC Ratio
NPV	\$ 4,370	\$ 6,073	-\$1,702.47	0.73	1.15
2017	\$ -	\$ -	\$ -		
2018	\$ 119	\$ 4,266	-\$4,147		
2019	\$ 202	\$ 240	\$ (38)		
2020	\$ 213	\$ 240	\$ (27)		
2021	\$ 217	\$ 240	\$ (23)		
2022	\$ 584	\$ 240	\$ 344		
2023	\$ 592	\$ 240	\$ 352		
2024	\$ 619	\$ 240	\$ 379		
2025	\$ 615	\$ 240	\$ 375		
2026	\$ 658	\$ 240	\$ 418		
2027	\$ 532	\$ 240	\$ 292		
2028	\$ 488	\$ 240	\$ 248		
2029	\$ 712	\$ 240	\$ 472		
2030	\$ 645	\$ 240	\$ 405		
2031	\$ 583	\$ 240	\$ 343		
2032	\$ 565	\$ 240	\$ 325		
2033	\$ 231	\$ -	\$ 231		

Note: Based on Individual Program Evaluation

Non Residential Window Film
Program Life 10.00

Year	2018 Pen. Benefits	2018 Pen. Costs	Annual Net Benefits (000s)	2018 Vintage Year C/B Scores	
	Total Benefits (000s)	Total Costs (000s)		UCT Ratio	TRC Ratio
NPV	\$ 26,310	\$ 2,138	\$24,171.49	12.30	6.45
2017	\$ -	\$ -	\$ -		
2018	\$ 1,379	\$ 2,273	-\$894		
2019	\$ 2,395	\$ -	\$ 2,395		
2020	\$ 2,614	\$ -	\$ 2,614		
2021	\$ 2,595	\$ -	\$ 2,595		
2022	\$ 4,602	\$ -	\$ 4,602		
2023	\$ 4,625	\$ -	\$ 4,625		
2024	\$ 5,016	\$ -	\$ 5,016		
2025	\$ 4,719	\$ -	\$ 4,719		
2026	\$ 4,774	\$ -	\$ 4,774		
2027	\$ 4,171	\$ -	\$ 4,171		
2028	\$ 1,790	\$ -	\$ 1,790		

Note: Based on Individual Program Evaluation

Income and Age Qualifying Home Improvement
Program Life 14.00

	2018 Pen. Benefits	2018 Pen. Costs		2018 Pen. Benefits	
Year	Total Benefits (000s)	Total Costs (000s)	Annual Net Benefits (000s)	UCT Ratio	TRC Ratio
NPV	\$ 885	\$ 4,681	-\$3,795.69	0.19	0.19
2017	\$ -	\$ -	\$ -		
2018	\$ 37	\$ 4,976	-\$4,940		
2019	\$ 73	\$ -	\$ 73		
2020	\$ 74	\$ -	\$ 74		
2021	\$ 76	\$ -	\$ 76		
2022	\$ 101	\$ -	\$ 101		
2023	\$ 103	\$ -	\$ 103		
2024	\$ 108	\$ -	\$ 108		
2025	\$ 140	\$ -	\$ 140		
2026	\$ 109	\$ -	\$ 109		
2027	\$ 105	\$ -	\$ 105		
2028	\$ 107	\$ -	\$ 107		
2029	\$ 126	\$ -	\$ 126		
2030	\$ 117	\$ -	\$ 117		
2031	\$ 120	\$ -	\$ 120		
2032	\$ 59	\$ -	\$ 59		

Note: Based on Individual Program Evaluation

Small Business Improvement Program
Program Life 14.00

	2018 Pen. Benefits	2018 Pen. Costs		2018 Vintage Year C/B Scores	
Year	Total Benefits (000s)	Total Costs (000s)	Annual Net Benefits (000s)	UCT Ratio	TRC Ratio
NPV	\$ 4,980	\$ 6,259	-\$1,278.57	0.80	0.61
2017	\$ -	\$ -	\$ -		
2018	\$ 227	\$ 6,654	-\$6,427		
2019	\$ 423	\$ -	\$ 423		
2020	\$ 460	\$ -	\$ 460		
2021	\$ 443	\$ -	\$ 443		
2022	\$ 569	\$ -	\$ 569		
2023	\$ 572	\$ -	\$ 572		
2024	\$ 615	\$ -	\$ 615		
2025	\$ 636	\$ -	\$ 636		
2026	\$ 613	\$ -	\$ 613		
2027	\$ 606	\$ -	\$ 606		
2028	\$ 616	\$ -	\$ 616		
2029	\$ 704	\$ -	\$ 704		
2030	\$ 666	\$ -	\$ 666		
2031	\$ 691	\$ -	\$ 691		
2032	\$ 318	\$ -	\$ 318		

Note: Based on Individual Program Evaluation

North Carolina-only Residential Retail LED Lighting Program
Program Life 20.00

	2018 Pen. Benefits	2018 Pen. Costs		2018 Vintage Year C/B Scores	
Year	Total Benefits (000s)	Total Costs (000s)	Annual Net Benefits (000s)	UCT Ratio	TRC Ratio
NPV	\$ 3,555	\$ 1,052	\$2,503.38	3.38	2.12
2017	\$ -	\$ -	\$ -		
2018	\$ 123	\$ 1,118	-\$995		
2019	\$ 231	\$ -	\$ 231		
2020	\$ 236	\$ -	\$ 236		
2021	\$ 242	\$ -	\$ 242		
2022	\$ 307	\$ -	\$ 307		
2023	\$ 309	\$ -	\$ 309		
2024	\$ 335	\$ -	\$ 335		
2025	\$ 359	\$ -	\$ 359		
2026	\$ 334	\$ -	\$ 334		
2027	\$ 326	\$ -	\$ 326		
2028	\$ 333	\$ -	\$ 333		
2029	\$ 380	\$ -	\$ 380		
2030	\$ 361	\$ -	\$ 361		
2031	\$ 374	\$ -	\$ 374		
2032	\$ 388	\$ -	\$ 388		
2033	\$ 399	\$ -	\$ 399		
2034	\$ 415	\$ -	\$ 415		
2035	\$ 428	\$ -	\$ 428		
2036	\$ 443	\$ -	\$ 443		
2037	\$ 462	\$ -	\$ 462		
2038	\$ 210	\$ -	\$ 210		

Note: Based on Individual Program Evaluation

Non-Residential Prescriptive Program
Program Life 6.00

	2018 Pen. Benefits	2018 Pen. Costs		2018 Vintage Year C/B Scores	
Year	Total Benefits (000s)	Total Costs (000s)	Annual Net Benefits (000s)	UCT Ratio	TRC Ratio
NPV	\$ 11,776	\$ 5,970	\$5,806.36	1.97	1.44
2017	\$ -	\$ -	\$ -		
2018	\$ 1,155	\$ 6,346	-\$5,191		
2019	\$ 2,168	\$ -	\$ 2,168		
2020	\$ 2,237	\$ -	\$ 2,237		
2021	\$ 2,268	\$ -	\$ 2,268		
2022	\$ 2,928	\$ -	\$ 2,928		
2023	\$ 2,992	\$ -	\$ 2,992		
2024	\$ 1,387	\$ -	\$ 1,387		

Note: Based on Individual Program Evaluation

PORTFOLIO
Program Life 20.00

	2018 Pen. Benefits	2018 Pen. Costs		2018 Pen. Benefits	
Year	Total Benefits (000s)	Total Costs (000s)	Annual Net Benefits (000s)	UCT Ratio	TRC Ratio
NPV	\$ 134,947	\$ 34,074	\$100,873.01	3.96	3.10
2017	\$ -	\$ -	\$ -		
2018	\$ 6,971	\$ 34,034	-\$27,063		
2019	\$ 12,926	\$ 240	\$ 12,686		
2020	\$ 13,420	\$ 240	\$ 13,180		
2021	\$ 13,728	\$ 240	\$ 13,488		
2022	\$ 20,160	\$ 240	\$ 19,920		
2023	\$ 20,375	\$ 240	\$ 20,135		
2024	\$ 19,879	\$ 240	\$ 19,639		
2025	\$ 17,827	\$ 240	\$ 17,587		
2026	\$ 18,205	\$ 240	\$ 17,965		
2027	\$ 14,187	\$ 240	\$ 13,947		
2028	\$ 10,125	\$ 240	\$ 9,885		
2029	\$ 9,858	\$ 240	\$ 9,618		
2030	\$ 9,140	\$ 240	\$ 8,900		
2031	\$ 9,263	\$ 240	\$ 9,023		
2032	\$ 9,569	\$ 240	\$ 9,329		
2033	\$ 4,203	\$ -	\$ 4,203		
2034	\$ 415	\$ -	\$ 415		
2035	\$ 428	\$ -	\$ 428		
2036	\$ 443	\$ -	\$ 443		
2037	\$ 462	\$ -	\$ 462		
2038	\$ 210	\$ -	\$ 210		

2017 Integrated Resource Plan Update Forecasted Energy Savings (MWh) (System-Level at the Generator)

Programs	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Air Conditioner Cycling Program	0	0	0	0	0	0	0	0	0	0
Non-Residential Window Film Program	52,613	88,318	104,885	107,318	109,800	111,531	112,726	113,916	115,073	116,190
Non-Residential Lighting Systems & Controls Program	113,622	166,114	194,205	198,620	203,123	206,192	208,025	209,853	211,634	213,352
Non-Residential Heating and Cooling Efficiency Program	81,824	131,454	156,422	159,586	162,808	165,248	166,992	168,731	170,426	172,061
Income and Age Qualifying Home Improvement Program	3,930	6,018	8,107	10,196	12,284	13,380	13,523	13,665	13,802	13,933
Small Business Improvement Program	15,659	28,960	45,033	63,832	73,452	74,546	75,368	76,188	76,986	77,755

2016 Integrated Resource Plan Forecasted Energy Savings (MWh) (System-Level at the Generator)

Programs	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Air Conditioner Cycling Program	0	0	0	0	0	0	0	0	0	0
Non-Residential Window Film Program	23,349	43,787	66,553	77,784	79,338	80,461	81,236	82,017	82,794	83,559
Non-Residential Lighting Systems & Controls Program	47,417	69,438	93,554	106,452	108,480	109,926	110,870	111,823	112,769	113,702
Non-Residential Heating and Cooling Efficiency Program	13,073	21,012	29,068	32,736	33,250	33,651	33,973	34,299	34,623	34,943
Income and Age Qualifying Home Improvement Program	4,325	7,346	10,367	13,389	16,410	17,924	18,100	18,278	18,454	18,627
Small Business Improvement Program	5,090	15,734	29,117	45,246	64,134	73,384	74,108	74,838	75,563	76,278

Difference in Forecasted Energy Savings (MWh) (System-Level at the Generator)

Programs	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Air Conditioner Cycling Program	0	0	0	0	0	0	0	0	0	0
Non-Residential Window Film Program	29,264	44,531	38,332	29,534	30,462	31,071	31,490	31,898	32,280	32,632
Non-Residential Lighting Systems & Controls Program	66,205	96,676	100,651	92,168	94,642	96,266	97,155	98,031	98,865	99,651
Non-Residential Heating and Cooling Efficiency Program	68,751	110,442	127,353	126,850	129,559	131,597	133,019	134,432	135,803	137,118
Income and Age Qualifying Home Improvement Program	(395)	(1,328)	(2,260)	(3,193)	(4,126)	(4,544)	(4,577)	(4,613)	(4,652)	(4,694)
Small Business Improvement Program	10,569	13,246	15,915	18,586	9,318	1,162	1,259	1,349	1,422	1,477

Notes:

- Difference values are the 2017 Integrated Resource Plan Update Energy Savings less the 2016 Integrated Resource Plan Energy Savings.
- Subsequent to the development of the 2016 and 2017 IRPs, the North Carolina-only Residential Retail LED Lighting Program was approved by the North Carolina Utilities Commission. This program will be included in the 2018 case.

Aug 15 2017

OFFICIAL COPY

2017 Forecasted Coincident Capacity Savings (kW) (System-Level at the Generator)

Programs	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Air Conditioner Cycling Program	77,995	77,995	77,995	77,995	77,995	77,995	77,995	77,995	77,995	77,995
Non-Residential Window Film Program	48,251	81,037	96,316	98,550	100,830	102,422	103,519	104,611	105,675	106,701
Non-Residential Lighting Systems & Controls Program	18,195	26,505	30,582	31,277	31,986	32,451	32,740	33,027	33,307	33,577
Non-Residential Heating and Cooling Efficiency Program	31,619	50,245	58,729	59,917	61,126	62,013	62,667	63,319	63,954	64,566
Income and Age Qualifying Home Improvement Program	779	1,177	1,575	1,973	2,372	2,553	2,581	2,608	2,634	2,659
Small Business Improvement Program	4,556	8,382	12,990	18,382	21,006	21,315	21,550	21,784	22,012	22,232

2016 Forecasted Coincident Capacity Savings (kW) (System-Level at the Generator)

Programs	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Air Conditioner Cycling Program	121,107	121,107	121,107	121,107	121,107	121,107	121,107	121,107	121,107	121,107
Non-Residential Window Film Program	5,346	9,948	15,057	17,438	17,786	18,033	18,207	18,382	18,556	18,727
Non-Residential Lighting Systems & Controls Program	13,546	19,722	26,523	29,860	30,429	30,821	31,086	31,353	31,618	31,879
Non-Residential Heating and Cooling Efficiency Program	8,118	13,049	18,053	20,332	20,651	20,901	21,101	21,303	21,504	21,703
Income and Age Qualifying Home Improvement Program	1,059	1,772	2,485	3,198	3,910	4,231	4,273	4,315	4,357	4,397
Small Business Improvement Program	1,510	4,558	8,386	12,996	18,390	20,893	21,099	21,307	21,513	21,717

Forecasted Coincident Capacity Savings Difference (kW) (System-Level at the Generator)

Programs	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Air Conditioner Cycling Program	-43,112	-43,112	-43,112	-43,112	-43,112	-43,112	-43,112	-43,112	-43,112	-43,112
Non-Residential Window Film Program	42,905	71,089	81,259	81,112	83,043	84,389	85,312	86,229	87,119	87,974
Non-Residential Lighting Systems & Controls Program	4,649	6,783	4,059	1,417	1,557	1,630	1,654	1,674	1,689	1,697
Non-Residential Heating and Cooling Efficiency Program	23,501	37,196	40,676	39,585	40,475	41,112	41,567	42,016	42,449	42,863
Income and Age Qualifying Home Improvement Program	-280	-595	-910	-1,224	-1,539	-1,678	-1,693	-1,707	-1,723	-1,739
Small Business Improvement Program	3,046	3,824	4,604	5,387	2,616	422	451	477	499	515

Notes:

- Difference values are the 2017 Integrated Resource Plan Capacity Savings less the 2016 Integrated Resource Plan Capacity Savings
- Subsequent to the development of the 2016 and 2017 IRPs, the North Carolina-only Residential Retail LED Lighting Program was approved by the North Carolina Utilities Commission. This program will be included in the 2018 case.

Aug 15 2017

OFFICIAL COPY

	Air Conditioner Cycling Program			
	Participant	Utility	TRC	RIM
Total NPV Benefits	\$ 50,834	\$ 113,472	\$ 113,472	\$ 113,472
Total NPV Costs	\$ -	\$ 157,289	\$ 102,003	\$ 157,289
Net Benefits NPV	\$ 50,834	\$ (43,817)	\$ 11,468	\$ (43,817)
Benefit/Cost Ratio	N/A	0.72	1.11	0.72
	Non-Residential Window Film Program			
	Participant	Utility	TRC	RIM
Total NPV Benefits	\$ 80,832	\$ 131,118	\$ 131,118	\$ 131,118
Total NPV Costs	\$ 15,720	\$ 10,985	\$ 19,167	\$ 92,952
Net Benefits NPV	\$ 65,112	\$ 120,133	\$ 111,951	\$ 38,166
Benefit/Cost Ratio	5.14	11.94	6.84	1.41
	Non-Residential Heating and Cooling Efficiency Program			
	Participant	Utility	TRC	RIM
Total NPV Benefits	\$ 209,057	\$ 220,882	\$ 220,882	\$ 220,882
Total NPV Costs	\$ 10,682	\$ 8,071	\$ 12,941	\$ 233,912
Net Benefits NPV	\$ 198,375	\$ 212,810	\$ 207,941	\$ (13,030)
Benefit/Cost Ratio	19.57	27.37	17.07	0.94
	Non-Residential Lighting Systems & Controls Program			
	Participant	Utility	TRC	RIM
Total NPV Benefits	\$ 318,895	\$ 215,977	\$ 215,977	\$ 215,977
Total NPV Costs	\$ 54,727	\$ 69,129	\$ 86,125	\$ 383,625
Net Benefits NPV	\$ 264,168	\$ 146,848	\$ 129,852	\$ (167,648)
Benefit/Cost Ratio	5.83	3.12	2.51	0.56
	Income and Age Qualifying Home Improvement Program			
	Participant	Utility	TRC	RIM
Total NPV Benefits	\$ 19,769	\$ 11,336	\$ 11,336	\$ 11,336
Total NPV Costs	\$ -	\$ 54,314	\$ 54,314	\$ 76,331
Net Benefits NPV	\$ 19,769	\$ (42,979)	\$ (42,979)	\$ (64,995)
Benefit/Cost Ratio	N/A	0.21	0.21	0.15

Note: Based on Individual Program Evaluation

	Portfolio			
	Participant	Utility	TRC	RIM
Total NPV Benefits	\$ 659,617	\$ 671,758	\$ 671,758	\$ 671,758
Total NPV Costs	\$ 81,129	\$ 234,749	\$ 209,511	\$ 857,053
Net Benefits NPV	\$ 578,488	\$ 437,008	\$ 462,247	\$ (185,295)
Benefit/Cost Ratio	8.13	2.86	3.21	0.78

CONFIDENTIAL INFORMATION REDACTED**Schedule 5**

DSM Program	Actual NC EM&V Costs During Rate Period (12 Months Ended Dec 2016)
Residential Air Conditioner Cycling	
Commercial NC Only Lighting	
Commercial NC Only HVAC	
Residential Heat Pump Tune-Up	
Residential Heat Pump Upgrade	
Residential Duct Sealing	
Residential Home Energy Check-Up	
Non-Residential Duct Testing & Sealing	
Non-Residential Energy Audit	
Non Residential Heating & Cooling Efficiency	
Non Residential Lighting Systems & Controls	
Non Residential Solar Window Film	
Residential Income & Age Qualifying Home Improvement	

DSM Program	Projected NC EM&V Costs During 2018
Residential Air Conditioner Cycling	
Residential Heat Pump Tune-Up	
Residential Heat Pump Upgrade	
Residential Duct Sealing	
Residential Home Energy Check-Up	
Non-Residential Duct Testing & Sealing	
Non-Residential Energy Audit	
Non Residential Heating & Cooling Efficiency	
Non Residential Lighting Systems & Controls	
Non Residential Solar Window Film	
Residential Income and Age Qualifying	
Non Residential Small Business Improvement	
Non-Residential Prescriptive Program	

				2012											
Phase I EE Programs: Net Energy Savings (kWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	1	2	3	4	5	6	7	8	9	10	11	12
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Residential Low Income:			100.0%	2,510	4,612	6,046	6,715	6,715	6,715	6,715	6,715	6,715	6,715	6,715	6,715
Residential Low Income Sub-Total:				2,510	4,612	6,046	6,715	6,715	6,715	6,715	6,715	6,715	6,715	6,715	6,715
Commercial Lighting Program:															
	168	Schedule 5	62.7%	-	131	131	131	131	14,679	16,703	17,069	17,069	17,069	23,002	23,002
	170	Schedule 5P	10.5%	-	51	285	285	285	285	285	285	285	285	285	285
	170	Schedule 6P (TOU)	8.5%	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275
	183	Schedule 10 (Variable Pricing)	11.9%	-	-	-	-	-	-	-	-	-	-	-	-
		Schedule 30 - Public													
	184	Authority	1.5%	-	-	-	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145
	188	Schedule 42	0.7%	-	-	-	593	593	593	593	593	593	593	593	593
		Schedule 26 - NC Outdoor Lighting	4.2%	-	-	-	72	72	72	72	72	72	72	72	72
Commercial Lighting Sub-Total:				5,275	5,457	5,692	7,503	7,503	22,051	23,615	24,472	24,472	24,472	30,414	30,414
Commercial HVAC Program:															
	168	Schedule 5	11.8%	-	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089
	176	Schedule 6P (TOU)	11.4%	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
		Schedule 10 (Variable Pricing)	62.5%	-	-	-	-	-	-	-	-	-	-	5,761	5,761
		Schedule 30 - Public													
	184	Authority	14.3%	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317
Commercial HVAC Sub-Total:				2,364	3,453	3,453	3,453	3,453	3,453	3,453	3,453	3,453	3,453	9,214	9,214
Total:				10,149	13,521	15,191	17,670	17,670	32,219	33,783	34,633	34,633	34,633	46,342	46,342

				2013											
Phase I EE Programs: Net Energy Savings (kWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	1	2	3	4	5	6	7	8	9	10	11	12
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Residential Low Income:			100.0%	7,481	8,091	8,776	8,864	9,056	9,056	9,081	10,141	10,731	11,540	12,337	12,972
Residential Low Income Sub-Total:				7,481	8,091	8,776	8,864	9,056	9,056	9,081	10,141	10,731	11,540	12,337	12,972
Commercial Lighting Program:															
	168	Schedule 5	62.7%	23,002	23,002	23,002	23,002	23,002	23,002	23,002	23,002	23,002	23,002	23,002	23,002
	170	Schedule 5P	10.5%	285	285	285	285	285	285	285	285	285	285	285	285
	170	Schedule 6P (TOU)	8.5%	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275
		Schedule 10 (Variable Pricing)	11.9%	-	-	-	-	-	-	-	-	-	-	-	-
		Schedule 30 - Public													
	184	Authority	1.5%	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145
	188	Schedule 42	0.7%	633	633	633	633	633	633	633	633	633	633	633	633
		Schedule 26 - NC Outdoor Lighting	4.2%	72	72	72	72	72	72	72	72	72	72	72	72
Commercial Lighting Sub-Total:				30,414	30,414	30,414	30,414	30,414	30,414	30,414	30,414	30,414	30,414	30,414	30,414
Commercial HVAC Program:															
	168	Schedule 5	11.8%	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089
	176	Schedule 6P (TOU)	11.4%	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
		Schedule 10 (Variable Pricing)	62.5%	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761
		Schedule 30 - Public													
	184	Authority	14.3%	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317
Commercial HVAC Sub-Total:				9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214
Total:				47,088	47,718	48,404	48,482	48,683	48,683	48,709	49,769	50,359	51,168	51,964	52,599

Aug 15 2017

OFFICIAL COPY

				2014											
Phase I EE Programs: Net Energy Savings (KWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	1	2	3	4	5	6	7	8	9	10	11	12
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Residential Low Income:			100.0%	13,970	13,970	14,143	14,687	15,047	15,446	16,071	16,556	17,141	17,651	17,932	17,932
Residential Low Income Sub-Total:				13,970	13,970	14,143	14,687	15,047	15,446	16,071	16,556	17,141	17,651	17,932	17,932
Commercial Lighting Program:															
	168	Schedule 5	62.7%	23,002	23,002	23,002	23,002	36,232	36,232	43,201	43,201	51,958	51,958	59,203	60,674
	170	Schedule 5P	10.5%	286	286	286	286	286	286	286	286	286	286	286	286
	175	Schedule 6P (TODU)	8.5%	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275	5,275
		Schedule 10 (Variable Pricing)	11.9%	-	-	-	-	-	-	11,565	11,565	11,565	11,565	11,565	11,565
		Schedule 30 - Public Authority	1.5%	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145	1,145
	180	Schedule 42	0.7%	633	633	633	633	633	633	633	633	633	633	633	633
		Schedule 26 - NC Outdoor Lighting	4.2%	72	72	72	72	72	72	72	72	2,590	2,590	4,058	4,058
Commercial Lighting Sub-Total:				30,414	30,414	30,414	30,414	43,644	43,644	53,209	53,209	63,453	63,453	73,431	73,431
Commercial HVAC Program:															
	168	Schedule 5	11.8%	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089
	170	Schedule 6P (TODU)	11.4%	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
		Schedule 10 (Variable Pricing)	62.5%	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761
		Schedule 30 - Public Authority	14.3%	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317
Commercial HVAC Sub-Total:				9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214
Total:				52,997	52,997	53,538	53,770	54,315	54,905	59,868	59,868	72,667	72,667	82,645	82,645

				2015											
Phase I EE Programs: Net Energy Savings (KWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	1	2	3	4	5	6	7	8	9	10	11	12
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Residential Low Income:			100.0%	19,449	21,451	21,896	26,503	28,383	30,362	32,320	34,321	37,668	40,108	42,126	43,926
Residential Low Income Sub-Total:				19,449	21,451	21,896	26,503	28,383	30,362	32,320	34,321	37,668	40,108	42,126	43,926
Commercial Lighting Program:															
	168	Schedule 5	62.7%	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674
	170	Schedule 5P	10.5%	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184
	175	Schedule 6P (TODU)	8.5%	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274
		Schedule 10 (Variable Pricing)	11.9%	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565
		Schedule 30 - Public Authority	1.5%	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415
	180	Schedule 42	0.7%	633	633	633	633	633	633	633	633	633	633	633	633
		Schedule 26 - NC Outdoor Lighting	4.2%	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058
Commercial Lighting Sub-Total:				96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801
Commercial HVAC Program:															
	168	Schedule 5	11.8%	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089
	170	Schedule 6P (TODU)	11.4%	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
		Schedule 10 (Variable Pricing)	62.5%	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761
		Schedule 30 - Public Authority	14.3%	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317
Commercial HVAC Sub-Total:				9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214
Total:				125,465	127,466	129,511	132,519	134,598	136,378	138,335	140,337	142,683	145,123	147,641	149,941

Phase I EE Programs: Net Energy Savings (kWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	2016												2016 Total
				1	2	3	4	5	6	7	8	9	10	11	12	
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
Residential Low Income:			100.0%	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	\$27,210
Residential Low Income Sub-Total:				43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	43,926	\$27,210
Commercial Lighting Program:																
168 Schedule S			62.7%	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	60,674	778,084
170 Schedule SP			10.5%	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	10,184	122,210
176 Schedule SP (TOU)			8.5%	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	8,274	99,285
183 Schedule SP (Variable Pricing)			11.9%	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	11,565	138,779
184 Schedule 30 - Public Authority			3.5%	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	1,415	16,975
182 Schedule 42			0.7%	633	633	633	633	633	633	633	633	633	633	633	633	7,594
185 Schedule 25 - INC Outdoor Lighting			4.2%	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	4,058	48,691
Commercial Lighting Sub-Total:				96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	96,801	1,161,418
Commercial HVAC Program:																
168 Schedule S			11.8%	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	1,089	13,067
176 Schedule SP (TOU)			11.4%	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	12,560
183 Schedule SP (Variable Pricing)			62.5%	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	5,761	69,133
184 Schedule 30 - Public Authority			14.3%	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	1,317	15,806
Commercial HVAC Sub-Total:				9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	9,214	110,566
Total:				149,941	149,941	149,941	149,941	149,941	149,941	149,941	149,941	149,941	149,941	149,941	149,941	1,799,123

NOTES:

1. Net energy savings (kWh) are based on DNV GL's analysis of EM&V data from actual program participants.
2. 2016 Energy savings (kWh) are inclusive of EE measures installed on, or after, January 1, 2012 through December 31, 2016 that are accumulated and realized between January 1, 2016 through December 31, 2016.

Aug 15 2017

OFFICIAL COPY

				2014											
Phase II EE Program: Net Energy Savings (kWh) (Cumulative by Month)				1	2	3	4	5	6	7	8	9	10	11	12
				Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Residential Heat Pump Tune Up Program:															
	163	Schedule 1	99.2%	-	-	-	-	-	102	192	234	572	299	2,325	11,311
	164	Schedule 1P	0.4%	-	-	-	-	-	-	-	-	-	-	-	38
	165	Schedule 1T	0.2%	-	-	-	-	-	-	-	-	-	-	51	51
	166	Schedule 1DF	0.2%	-	-	-	-	-	-	-	-	-	41	52	122
Residential Heat Pump Tune Up Sub-Total:				0	0	0	0	102	192	234	572	840	2,416	7,474	11,521
Residential Heat Pump Upgrade Program:															
	163	Schedule 1	97.1%	-	-	-	-	-	-	299	299	787	1,546	2,242	5,393
	164	Schedule 1P	0.1%	-	-	-	-	-	-	-	-	-	-	-	-
	166	Schedule 1DF	0.9%	-	-	-	-	-	-	-	-	-	-	86	86
Residential Heat Pump Upgrade Sub-Total:				0	0	0	0	0	299	299	787	1,546	2,242	3,596	5,476
Residential Home Energy Check Up Program:															
	163	Schedule 1	98.3%	-	-	-	-	-	-	-	-	-	-	-	-
	164	Schedule 1P	0.6%	-	-	-	-	-	-	-	-	-	-	-	-
	165	Schedule 1T	0.0%	-	-	-	-	-	-	-	-	-	-	-	-
	166	Schedule 1DF	0.9%	-	-	-	-	-	-	-	-	-	-	-	-
	199	Schedule 2B	0.2%	-	-	-	-	-	-	-	-	-	-	-	-
Residential Home Energy Check Up Sub-Total:				0	0	0	0	0	0	0	0	0	0	0	0
Residential Duct Sealing Program:															
	163	Schedule 1	99.9%	-	-	-	-	-	-	-	-	-	-	-	-
	166	Schedule 1DF	0.1%	-	-	-	-	-	-	-	-	-	-	-	-
Residential Duct Sealing Sub-Total:				0	0	0	0	0	0	0	0	0	0	0	0
Non-Residential Duct Sealing and Testing Program:															
	168	Schedule 5	47.4%	-	-	-	-	-	-	-	-	-	-	9,126	12,561
	170	Schedule 5P	18.3%	-	-	-	-	-	-	-	-	-	-	21,484	21,484
	172	Schedule 5P	4.9%	-	-	-	-	-	-	-	-	-	-	-	-
	182	Schedule 7	0.2%	-	-	-	-	-	-	-	-	-	-	-	-
	183	Schedule 10 (Variable Pricing)	16.3%	-	-	-	-	-	-	-	-	-	-	7,967	7,967
	184	Schedule 30	11.3%	-	-	-	-	-	-	-	-	-	-	-	-
	188	Schedule 42	6.8%	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Duct Sealing and Testing Sub-Total:				0	0	0	0	0	0	0	0	0	0	38,558	41,993
Non-Residential Energy Audit Program:															
	168	Schedule 5	21.2%	-	-	-	-	-	-	-	-	-	-	-	-
	170	Schedule 5P	53.8%	-	-	-	-	-	-	-	-	-	-	2,405	28,406
	175	Schedule 5P	0.8%	-	-	-	-	-	-	-	-	-	-	-	-
	183	Schedule 10 (Variable Pricing)	21.9%	-	-	-	-	-	-	-	-	-	-	2,652	12,238
	184	Schedule 30	0.0%	-	-	-	-	-	-	-	-	-	-	-	-
	188	Schedule 42	0.0%	-	-	-	-	-	-	-	-	-	-	-	-
	195	Schedule 24	0.2%	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Energy Audit Sub-Total:				0	0	0	0	0	0	0	0	0	5,452	40,644	40,644
Totals:				-	-	-	-	102	492	533	1,358	2,386	10,110	80,274	99,634

Aug 15 2017

OFFICIAL COPY

				2015											
				1	2	3	4	5	6	7	8	9	10	11	12
				Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Range RIE Programs: Net Energy Savings (kWh) (Cumulative by Month)															
Residential Heat Pump Tune Up Programs:															
163	Schedule 1	99.2%	19,801	25,553	30,420	37,050	42,832	52,813	56,175	61,313	62,560	70,830	72,754	73,633	
164	Schedule 1P	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
165	Schedule 1T	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
166	Schedule 1TF	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
Residential Heat Pump Tune Up Sub-Total:				19,801	25,553	30,420	37,050	42,832	52,813	56,175	61,313	62,560	70,830	72,754	73,633
Residential Heat Pump Upgrade Programs:															
163	Schedule 1	99.2%	6,094	7,242	7,380	8,512	9,189	10,227	11,114	11,610	12,573	13,130	13,478	13,841	
164	Schedule 1P	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
165	Schedule 1T	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
166	Schedule 1TF	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
Residential Heat Pump Upgrade Sub-Total:				6,094	7,242	7,380	8,512	9,189	10,227	11,114	11,610	12,573	13,130	13,478	13,841
Residential Home Energy Check Up Programs:															
163	Schedule 1	80.3%	0	12,325	21,090	30,674	43,741	54,751	58,236	58,053	63,707	60,976	62,976	62,051	
164	Schedule 1P	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
165	Schedule 1T	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
166	Schedule 1TF	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
167	Schedule 2S	0.2%	0	0	0	0	0	0	0	0	0	0	0	0	
Residential Home Energy Check Up Sub-Total:				0	12,325	21,090	30,674	43,741	54,751	58,236	58,053	63,707	60,976	62,051	
Residential Duct Sealing Programs:															
163	Schedule 1	99.9%	21	674	3,394	3,639	5,161	6,316	6,626	6,616	6,616	6,636	6,636	6,636	
164	Schedule 1TF	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
Residential Duct Sealing Sub-Total:				21	674	3,394	3,639	5,161	6,316	6,626	6,616	6,636	6,636	6,636	
Non-Residential Duct Sealing and Testing Programs:															
168	Schedule 5	87.4%	14,024	15,147	15,834	42,866	17,039	76,439	82,870	91,434	92,194	94,076	98,994	94,096	
170	Schedule 5P	13.3%	21,464	21,464	22,452	25,116	28,136	29,819	28,323	27,819	27,819	28,319	28,319	27,319	
176	Schedule 6P	4.9%	0	0	0	0	0	0	0	0	0	0	0	0	
182	Schedule 7	0.2%	0	0	0	0	0	0	0	0	0	0	0	0	
183	Schedule 2D	16.1%	36,879	36,879	36,879	36,879	36,879	36,879	36,879	36,879	36,879	36,879	36,879	36,879	
184	Schedule 3D	11.3%	0	0	0	0	0	0	0	0	0	0	0	0	
188	Schedule 42	6.8%	0	0	0	0	0	0	0	0	0	0	0	0	
Non-Residential Duct Sealing and Testing Sub-Total:				77,379	79,079	75,191	177,079	195,729	177,214	204,876	205,877	205,877	211,177	211,177	
Non-Residential Energy Audit Programs:															
168	Schedule 5	21.2%	0	0	0	0	0	0	0	0	0	0	0	0	
170	Schedule 5P	58.8%	22,024	28,026	28,026	28,026	28,026	28,026	28,026	28,026	28,026	28,026	28,026	28,026	
175	Schedule 5	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
176	Schedule 5D	21.9%	12,739	12,739	12,739	12,739	12,739	12,739	12,739	12,739	12,739	12,739	12,739	12,739	
180	Schedule 5	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
181	Schedule 5	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
185	Schedule 26	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	
Non-Residential Energy Audit Sub-Total:				34,763	40,765	40,765	40,765	40,765	40,765	40,765	40,765	40,765	40,765	40,765	
Total:				195,242	160,342	179,772	285,116	287,958	343,649	376,995	399,365	408,301	415,434	420,386	

Aug 15 2017

OFFICIAL COPY

				2016												2016 Total	
Phase II EE Programs: Net Energy Savings (kWh) (Cumulative by Month)				1	2	3	4	5	6	7	8	9	10	11	12		
	Rate Code	Rate Schedule	Percentage	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
Residential Heat Pump Tune Up Program:																	
163	Schedule 1	99.2%	75,511	78,551	80,773	83,708	85,985	88,749	90,752	92,972	93,887	94,888	96,267	97,471		1,058,859	
164	Schedule 1P	0.4%	265	265	265	265	350	350	350	350	350	350	350	350	350	3,858	
165	Schedule 1T	0.3%	173	173	173	173	173	209	209	209	209	209	209	209	209	2,329	
166	Schedule 1DF	0.3%	181	181	181	181	213	213	213	213	213	213	213	257	268	2,525	
Residential Heat Pump Tune Up Sub-Total:				100.0%	76,130	79,170	81,397	84,326	86,120	89,521	91,524	93,699	94,655	95,660	97,083	98,299	1,067,582
Residential Heat Pump Upgrade Program:																	
163	Schedule 1	99.1%	13,844	15,104	15,645	16,243	16,827	18,250	19,017	20,380	20,853	21,620	22,835	22,783		223,206	
164	Schedule 1P	0.1%	30	30	10	10	10	10	10	10	10	10	10	10	10	122	
166	Schedule 1DF	0.9%	137	137	237	244	144	174	174	174	174	174	174	174	174	1,916	
Residential Heat Pump Upgrade Sub-Total:				100.0%	13,991	15,251	15,792	16,394	16,981	18,434	19,196	20,564	21,047	21,804	22,819	22,967	235,244
Residential Home Energy Check Up Program:																	
163	Schedule 1	98.9%	61,177	61,211	61,211	61,211	61,211	61,211	61,211	61,211	61,211	61,211	61,211	61,211	61,211	754,497	
164	Schedule 1P	0.6%	392	392	392	392	392	392	392	392	392	392	392	392	392	4,698	
165	Schedule 1T	0.0%	31	31	31	31	31	31	31	31	31	31	31	31	31	367	
166	Schedule 1DF	0.9%	543	543	543	543	543	543	543	543	543	543	543	543	543	6,516	
195	Schedule 26	0.2%	123	123	123	123	123	123	123	123	123	123	123	123	123	1,480	
Residential Home Energy Check Up Sub-Total:				100.0%	62,766	62,900	62,900	62,900	62,900	62,900	62,900	62,900	62,900	62,900	62,900	62,900	747,560
Residential Duct Sealing Program:																	
163	Schedule 1	99.9%	6,651	7,140	8,595	9,529	10,023	10,365	10,658	10,822	10,822	10,822	10,822	10,822	10,822	117,246	
166	Schedule 1DF	0.1%	-	-	-	-	-	-	-	14	14	14	14	14	14	83	
Residential Duct Sealing Sub-Total:				100.0%	6,651	7,140	8,595	9,529	10,023	10,365	10,658	10,822	10,822	10,822	10,822	10,822	117,328
Non-Residential Duct Sealing and Testing Program:																	
168	Schedule 5	47.4%	95,995	99,062	99,062	99,095	99,920	100,258	104,915	116,970	117,524	119,242	125,837	125,837	125,837	1,304,780	
170	Schedule 5P	13.3%	28,819	28,819	28,819	28,819	29,458	29,858	30,073	30,073	30,073	30,073	35,000	35,000	35,000	365,155	
176	Schedule 6P	4.9%	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	134,397	
182	Schedule 7	0.2%	458	458	458	458	458	458	458	458	458	458	458	458	458	5,492	
183	Schedule 10 (Variable Pricing)	15.1%	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	36,875	442,485	
184	Schedule 80	11.8%	23,194	23,194	23,194	23,194	23,194	23,194	28,711	28,711	28,711	28,711	28,711	28,711	28,711	311,426	
188	Schedule 42	6.8%	13,638	13,638	13,638	13,638	13,638	13,638	15,174	17,747	17,747	17,747	17,747	17,747	17,747	185,737	
Non-Residential Duct Sealing and Testing Sub-Total:				100.0%	211,178	213,244	213,244	213,927	215,212	215,695	228,406	242,034	242,588	244,306	255,828	255,828	2,751,488
Non-Residential Energy Audit Program:																	
168	Schedule 5	21.2%	11,854	11,854	11,854	11,854	11,854	11,854	11,854	11,854	11,999	11,999	12,844	12,844	12,844	145,508	
170	Schedule 5P	55.8%	29,230	29,230	29,230	29,230	29,230	29,230	29,230	29,230	29,230	29,230	38,795	38,795	42,501	383,157	
176	Schedule 6P	0.8%	-	-	-	-	-	-	-	-	-	-	-	-	-	5,685	
183	Schedule 10 (Variable Pricing)	21.9%	12,238	12,238	12,238	12,238	12,238	12,238	12,238	12,238	12,238	12,238	13,387	13,387	13,387	150,307	
184	Schedule 80	0.0%	-	-	-	-	-	-	-	-	-	20	20	20	20	100	
188	Schedule 42	0.0%	-	-	-	-	-	-	-	-	-	-	17	17	17	66	
195	Schedule 26	0.2%	113	113	113	113	113	113	113	113	113	113	113	113	113	1,361	
Non-Residential Energy Audit Sub-Total:				100.0%	53,436	53,436	53,436	53,436	53,436	53,436	53,600	53,600	53,617	65,176	65,176	74,567	886,883
Total:					423,651	430,540	434,758	439,915	444,072	449,750	465,519	483,018	485,047	500,119	514,079	524,835	5,595,387

NOTES:

1. Net energy savings (kWh) are based on DNV GL's analysis of EM&V data from actual program participants.
2. 2016 Energy savings (kWh) are inclusive of EE measures installed on, or after, January 1, 2014 through December 31, 2016 that are accumulated and realized between January 1, 2016 through December 31, 2016.

Aug 15 2017

OFFICIAL COPY

Phase III EE Programs: Net Energy Savings (kWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	2015											
				1	2	3	4	5	6	7	8	9	10	11	12
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Non-Residential Heating and Cooling Efficiency:															
	168	Schedule 5					2,214								
	168	Schedule 5	65.1%	-	-	-	2,214	2,214	2,214	2,214	2,214	2,214	2,214	2,214	2,214
	183	Schedule 10 (Variable Pricing)						3,103							
	183	Schedule 10 (Variable Pricing)	19.1%	-	-	-	-	3,103	3,103	3,103	3,103	3,103	3,103	3,103	3,103
	184	Schedule 30													
	184	Schedule 30	1.0%	-	-	-	-	-	-	-	-	-	-	-	-
	188	Schedule 42													
	188	Schedule 42	14.8%	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Heating and Cooling Efficiency Sub-Total:				-	-	-	2,214	5,317	5,317	5,317	5,317	5,317	5,317	5,317	5,317
Non-Residential Lighting Systems and Controls:															
	168	Schedule 5					1,886						10,079	840	660
	168	Schedule 5	31.2%	-	-	-	1,886	1,886	1,886	1,886	1,886	1,886	11,965	12,805	13,466
	170	Schedule 5P										6,919	10,823		1,712
	170	Schedule 5P	33.3%	-	-	-	-	-	-	-	-	6,919	17,741	17,741	19,453
	176	Schedule 6P													
	176	Schedule 6P	0.8%	-	-	-	-	-	-	-	-	-	-	-	-
	183	Schedule 10 (Variable Pricing)													
	183	Schedule 10 (Variable Pricing)	32.9%	-	-	-	-	-	-	-	-	-	-	-	-
	188	Schedule 42													
	188	Schedule 42	1.8%	-	-	-	-	-	-	-	-	-	-	-	-
Non-Residential Lighting Systems and Controls Sub-Total:				-	-	-	1,886	1,886	1,886	1,886	1,886	8,805	29,707	30,547	32,919
Total:				-	-	-	4,100	7,203	7,203	7,203	7,203	14,121	35,024	35,864	38,236

Aug 15 2017

OFFICIAL COPY

Phase III EE Programs: Net Energy Savings (kWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	2016												2016 Total
				1	2	3	4	5	6	7	8	9	10	11	12	
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
Non-Residential Heating and Cooling Efficiency:																
	168	Schedule 5					640		13,412					708		
	168	Schedule 5	65.1%	2,214	2,214	2,214	2,854	2,854	16,266	16,266	16,266	16,266	16,266	15,474	15,474	126,629
	183	Schedule 10 (Variable Pricing)														
	183	Schedule 10 (Variable Pricing)	19.1%	3,103	3,103	3,103	3,103	3,103	3,103	3,103	3,103	3,103	3,103	3,103	3,103	37,213
	184	Schedule 30	1.0%	-	-	-	-	-	-	-	374	374	374	374	374	1,868
	288	Schedule 42						3,590								
	288	Schedule 42	14.8%	-	-	-	-	3,590	3,590	3,590	3,590	3,590	3,590	3,590	3,590	28,718
Non-Residential Heating and Cooling Efficiency Sub-Total:				5,317	5,317	5,317	5,957	9,547	22,959	22,959	23,332	23,332	23,332	23,540	23,540	194,448
Non-Residential Lighting Systems and Controls:																
	168	Schedule 5		934	2,452		15,781		1,437	6,408	23,478	3,644	2,953	3,960		
	168	Schedule 5	31.2%	14,399	15,851	16,851	32,692	32,692	34,119	40,526	64,004	87,648	71,601	75,561	75,561	542,386
	170	Schedule 5P				4,624			16,643		30,463		2,853	6,540	18,873	
	170	Schedule 5P	31.5%	19,452	19,452	24,077	24,077	24,077	38,720	38,720	69,183	69,183	73,037	79,876	98,849	578,807
	176	Schedule 6P									2,855					
	176	Schedule 6P	0.8%	-	-	-	-	-	-	-	2,855	2,855	2,855	2,855	2,855	14,273
	183	Schedule 10 (Variable Pricing)				54,460							6,265		8,551	
	183	Schedule 10 (Variable Pricing)	32.9%	-	-	54,460	54,460	54,460	54,460	54,460	54,460	54,460	60,725	60,725	69,276	571,945
	188	Schedule 42							1,040							
	188	Schedule 42	1.8%	-	-	-	-	-	1,040	1,040	1,040	1,040	8,901	8,901	8,901	30,864
Non-Residential Lighting Systems and Controls Sub-Total:				33,853	36,305	75,388	111,169	111,169	128,379	134,747	191,543	195,187	217,218	229,017	253,441	1,738,275
Total:				39,169	41,621	100,705	117,126	120,716	151,298	157,705	214,875	218,519	240,450	251,538	278,581	1,932,723

NOTES:

1. Net energy savings (kWh) are based on Dominion's planning attribution assumptions applied to DNV GL's deemed energy savings estimates from actual program participants.
2. 2016 Energy savings (kWh) are inclusive of program measures installed on, or after, January 1, 2015 through December 31, 2016.

Aug 15 2017

OFFICIAL COPY

Phase IV EE Programs: Net Energy Savings (kWh) (Cumulative by Month)	Rate Code	Rate Schedule	Percentage	2016												2016 Total
				1	2	3	4	5	6	7	8	9	10	11	12	
				Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
Residential Income and Age Qualifying Home Improvement:	160											253		226		
	160		7.8%	-	-	-	-	-	-	-	-	253	253	479	479	1,464
	163	Schedule 3									689	498	182	998	2,145	2,010
	163	Schedule 1	89.3%	-	-	-	-	-	-	-	689	1,187	1,370	2,368	4,513	6,523
	168	Schedule 5									89					
	168	Schedule 5	2.9%	-	-	-	-	-	-	-	89	89	89	89	89	537
Residential Income and Age Qualifying Home Improvement Sub-Total:				-	-	-	-	-	-	-	779	1,277	1,712	2,710	5,082	18,652
Total:				-	-	-	-	-	-	-	779	1,277	1,712	2,710	5,082	18,652

NOTES:

1. Net energy savings (kWh) are based on Dominion's planning attribution assumptions applied to DNV GL's deemed energy savings estimates from actual program participants.
2. 2016 Energy savings (kWh) are inclusive of program measures installed on, or after, January 1, 2016 through December 31, 2016.

Aug 15 2017

OFFICIAL COPY

Date	Weather Conditions °F	Event Trigger	Control Mode	Number of Customers Controlled	Number of Customers Enrolled
5-Jul-16	89	Peak Shaving	AC Units	94,691	107,869
6-Jul-16	91	Peak Shaving	AC Units	94,497	107,773
7-Jul-16	93	Peak Shaving	AC Units	94,269	107,528
8-Jul-16	91	Peak Shaving	AC Units	93,996	107,268
13-Jul-16	90	Peak Shaving	AC Units	93,753	107,037
14-Jul-16	95	Peak Shaving	AC Units	93,443	106,845
15-Jul-16	91	Peak Shaving	AC Units	93,130	106,567
18-Jul-16	93	Peak Shaving	AC Units	92,995	106,331
21-Jul-16	87	Peak Shaving	AC Units	82,116	106,067
22-Jul-16	91	Peak Shaving	AC Units	87,353	105,982
25-Jul-16	95	Peak Shaving	AC Units	92,435	105,964
26-Jul-16	94	Peak Shaving	AC Units	92,188	105,795
11-Aug-16	92	Peak Shaving	AC Units	89,609	105,016
12-Aug-16	93	Peak Shaving	AC Units	89,476	104,940
15-Aug-16	95	Peak Shaving	AC Units	89,380	104,932
16-Aug-16	95	Peak Shaving	AC Units	89,275	104,799
17-Aug-16	95	Peak Shaving	AC Units	89,101	104,676
18-Aug-16	89	Peak Shaving	AC Units	93,818	104,479
26-Aug-16	98	Peak Shaving	AC Units	93,526	104,086
29-Aug-16	90	Peak Shaving	AC Units	52,957	104,036
30-Aug-16	92	Peak Shaving	AC Units	52,938	103,976
31-Aug-16	90	Peak Shaving	AC Units	52,925	103,939
8-Sep-16	91	Peak Shaving	AC Units	93,180	103,664
9-Sep-16	94	Peak Shaving	AC Units	93,121	103,664

Definitions:

1. The "Number of Customers Enrolled" is the count of active participants effective the day of the event, defined as gross participants enrolled in the program less deactivations and removals.
2. The "Number of Customers Controlled" further adjusts the "Number of Customers Enrolled" for specific event date opt-outs, participants not in the dispatch log.

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13
	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	End of Year Total
Programs (2)													
Phase I													

Notes:

1. System = Total of All Jurisdictions
2. Res. = Residential Care; n = Commercial; Non Res. = Non Residential
3. Costs include FPI & Lost Revenues

Aug 15 2017

OFFICIAL COPY

Demand Side Management (DSM)

Projected System Costs
Program Cost Details - Phase 1
 Rate Yr: Jan 2018 to Dec 2018
 Dollars

CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
 Schedule 2
 Page 1 of 6

Row	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13
	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Year
1													
2													
3													
4													
5													
6													
7													
8													
9													
10	Total all Program Costs												
11	DSM	301,260	301,260	301,260	301,260	1,331,260	1,331,260	1,331,260	1,331,260	301,260	301,260	301,260	7,735,118
12	Capital	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	83,333	1,000,000
13	Grand Total	\$ 384,593	\$ 384,593	\$ 384,593	\$ 384,593	\$ 1,414,593	\$ 1,414,593	\$ 1,414,593	\$ 1,414,593	\$ 384,593	\$ 384,593	\$ 384,593	\$ 8,735,118
14													
15	Notes:												
16	1. System = Total of All Jurisdictions												
17	2. Res. = Residential; Com. = Commercial; Non Res. = Non Residential												
18	3. Costs exclude PPI & Lost Revenues												
19													
20													

Aug 15 2017

OFFICIAL COPY

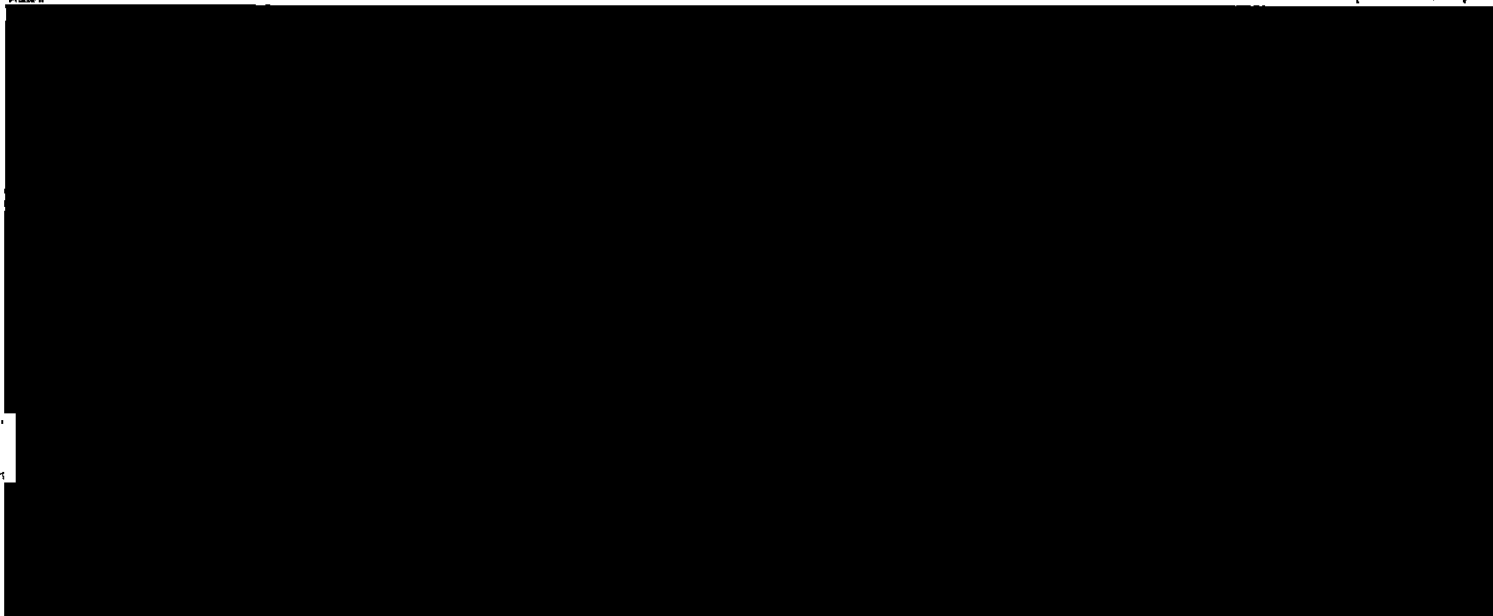
Demand Side Management (DSM)

Projected System Costs
 Program Cost Details - Phase II
 Rate Yr: Jan 2018 to Dec 2018
 Dollars

CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit 12B-1
 Schedule 2
 Page 2 of 6

Row	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
	1	2	3	4	5	6	7	8	9	10	11	12	13
	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Year
Programs													
Phase II													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
Total all Program Costs													
Grand Total	\$	\$2,768	\$	\$2,768	\$	\$2,768	\$	\$2,768	\$	\$	\$	\$	\$
													\$253,942

Notes:
 1. System = Total of All Jurisdictions
 2. Res. = Residential; Com. = Commercial; Non Res. = Non Residential
 3. Costs exclude PPI & Lost Revenues

Aug 15 2017

OFFICIAL COPY

Demand Side Management (DSM)
 Projected System Costs
 Program Cost Details - Phase III
 Rate Yr: Jan 2018 to Dec 2018
 Dollars

CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 945

Company Exhibit JEB-1
 Schedule 2
 Page 3 of 6

Row	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13
	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Year
Programs													
Phase III													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
Grand Total	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 889,436	\$ 10,673,233

- Notes:
1. System = Total of All Jurisdictions
 2. Res. = Residential; Com. = Commercial; Non Res. = Non Residential
 3. Costs exclude PPI & Lost Revenues

Aug 15 2017

OFFICIAL COPY

Demand Side Management (DSM)

Projected System Costs

Program Costs Details - Phase IV

Rate Yr: Jan 2018 to Dec 2018

Dollars

CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit J09-1

Schedule 2

Page 4 of 6

Row	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13
	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Year

Programs													
Phase IV													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Notes:

1. System = Total of All Jurisdictions
2. Res. = Residential; Com. = Commercial; Non Res. = Non Residential
3. Costs exclude PP&L & Lost Revenues
4. Placeholder for 2018 NC Only Program. Will seek recovery in future EMF true up.

Aug 15 2017

OFFICIAL COPY

Projected System Costs
Program Cost Details - Phase V
Rate Yr: Jan 2018 to Dec 2018
Dollars

E-22 Sub 543

Company Exhibit JET-1
Schedule 2
Page 5 of 6

[illegible]

1. System = Total of All Jurisdictions
2. Res. = Residential; Com. = Commercial; Non Res. = Non Residential
3. Costs exclude PPI & Lost Revenues

OFFICIAL COPY

Demand Side Management (DSM)
Projected System Costs
Program Cost Details - Phase VI
Rate Yr: Jan 2018 to Dec 2018
Dollars

CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JES-1
Schedule 2
Page 5 of 6

Row	Column												
	1	2	3	4	5	6	7	8	9	10	11	12	13
Programs	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018
Phase VI	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Rate Year
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

Notes:

1. System = Total of All Jurisdictions
2. Res. = Residential; Com. = Commercial; Non Res. = Non Residential
3. Costs exclude PPI & Lost Revenues

Aug 15 2017

OFFICIAL COPY

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12	13	14
2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	Rate Year
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Common Costs													
Energy Conservation Labor	9,652	9,652	9,652	9,652	9,652	9,652	9,652	9,652	9,652	9,652	9,652	9,652	115,874
Customer Communication													
Consultant Support													
Dues & Associations	7,958	7,958	7,958	7,958	7,958	7,958	7,958	7,958	7,958	7,958	7,958	7,958	95,500
Energy Conservation Staff Support	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	40,000
Total Common Costs	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 139,515	\$ 1,674,183

Notes:
 1. System = Total of All Jurisdictions

Aug 15 2017

OFFICIAL COPY

Dollars

CONFIDENTIAL INFORMATION REDACTED

E-22 Sub SAS

Company Exhibit JEB-1

Schedule 4

Page 1 of 1

10
11
12
13
14
15
16
17

Notations:

1. **System = Total of All Jurisdictions**
2. **Res. = Residential; Com. = Commercial; Non Res. = Non Residential**
3. All the cuts on this page are only for the purpose of allocating projected common costs among programs. Dominion Energy North Carolina is not requesting any cost recovery for DSM Phase II DG program. The DSM programs costs shown above are direct costs. However, the total boxes of costs for these programs that are not requested in this filing include: direct costs, common costs, PPI, lost revenues, etc.

OFFICIAL COPY

Demanded Side Management (DSM)
 Net Program Performance Income (PPI) Summary Sheet
 Prepared for the Ann Year

521,548,545

Company Exhibit 8B-1
 Schedule 1
 Page 1 of 1

Line	Program	Year	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total
1	Year 2015 Trained Up	Bus																	
2	Year 2015 Trained Up	Bus																	
3	Year 2015 Trained Up	Bus																	
4	Year 2015 Trained Up	Bus																	
5	Year 2015 Trained Up	Bus																	
6	Year 2015 Trained Up	Bus																	
7	Year 2015 Trained Up	Bus																	
8	Year 2015 Trained Up	Bus																	
9	Year 2015 Trained Up	Bus																	
10	Year 2015 Trained Up	Bus																	
11	Year 2015 Trained Up	Bus																	
12	Year 2015 Trained Up	Bus																	
13	Year 2015 Trained Up	Bus																	
14	Year 2015 Trained Up	Bus																	
15	Year 2015 Trained Up	Bus																	
16	Year 2015 Trained Up	Bus																	
17	Year 2015 Trained Up	Bus																	
18	Year 2015 Trained Up	Bus																	
19	Year 2015 Trained Up	Bus																	
20	Year 2015 Trained Up	Bus																	
21	Year 2015 Trained Up	Bus																	
22	Year 2015 Trained Up	Bus																	
23	Year 2015 Trained Up	Bus																	
24	Year 2015 Trained Up	Bus																	
25	Year 2015 Trained Up	Bus																	
26	Year 2015 Trained Up	Bus																	
27	Year 2015 Trained Up	Bus																	
28	Year 2015 Trained Up	Bus																	
29	Year 2015 Trained Up	Bus																	
30	Year 2015 Trained Up	Bus																	
31	Year 2015 Trained Up	Bus																	
32	Year 2015 Trained Up	Bus																	
33	Year 2015 Trained Up	Bus																	
34	Year 2015 Trained Up	Bus																	
35	Year 2015 Trained Up	Bus																	
36	Year 2015 Trained Up	Bus																	
37	Year 2015 Trained Up	Bus																	
38	Year 2015 Trained Up	Bus																	
39	Year 2015 Trained Up	Bus																	
40	Year 2015 Trained Up	Bus																	
41	Year 2015 Trained Up	Bus																	
42	Year 2015 Trained Up	Bus																	
43	Year 2015 Trained Up	Bus																	
44	Year 2015 Trained Up	Bus																	
45	Year 2015 Trained Up	Bus																	
46	Year 2015 Trained Up	Bus																	
47	Year 2015 Trained Up	Bus																	
48	Year 2015 Trained Up	Bus																	
49	Year 2015 Trained Up	Bus																	
50	Year 2015 Trained Up	Bus																	
51	Year 2015 Trained Up	Bus																	
52	Year 2015 Trained Up	Bus																	
53	Year 2015 Trained Up	Bus																	
54	Year 2015 Trained Up	Bus																	
55	Year 2015 Trained Up	Bus																	
56	Year 2015 Trained Up	Bus																	
57	Year 2015 Trained Up	Bus																	
58	Year 2015 Trained Up	Bus																	
59	Year 2015 Trained Up	Bus																	
60	Year 2015 Trained Up	Bus																	
61	Year 2015 Trained Up	Bus																	
62	Year 2015 Trained Up	Bus																	
63	Year 2015 Trained Up	Bus																	
64	Year 2015 Trained Up	Bus																	
65	Year 2015 Trained Up	Bus																	
66	Year 2015 Trained Up	Bus																	
67	Year 2015 Trained Up	Bus																	
68	Year 2015 Trained Up	Bus																	
69	Year 2015 Trained Up	Bus																	
70	Year 2015 Trained Up	Bus																	
71	Year 2015 Trained Up	Bus																	
72	Year 2015 Trained Up	Bus																	
73	Year 2015 Trained Up	Bus																	
74	Year 2015 Trained Up	Bus																	
75	Year 2015 Trained Up	Bus																	
76	Year 2015 Trained Up	Bus																	
77	Year 2015 Trained Up	Bus																	
78	Year 2015 Trained Up	Bus																	
79	Year 2015 Trained Up	Bus																	
80	Year 2015 Trained Up	Bus																	
81	Year 2015 Trained Up	Bus																	
82	Year 2015 Trained Up	Bus																	
83	Year 2015 Trained Up	Bus																	
84	Year 2015 Trained Up	Bus																	
85	Year 2015 Trained Up	Bus																	
86	Year 2015 Trained Up	Bus																	
87	Year 2015 Trained Up	Bus																	
88	Year 2015 Trained Up	Bus																	
89	Year 2015 Trained Up	Bus																	
90	Year 2015 Trained Up	Bus																	
91	Year 2015 Trained Up	Bus																	
92	Year 2015 Trained Up	Bus																	
93	Year 2015 Trained Up	Bus																	
94	Year 2015 Trained Up	Bus																	
95	Year 2015 Trained Up	Bus																	
96	Year 2015 Trained Up	Bus																	
97	Year 2015 Trained Up	Bus																	
98	Year 2015 Trained Up	Bus																	
99	Year 2015 Trained Up	Bus																	
100	Year 2015 Trained Up	Bus																	

Aug 15, 2017

OFFICIAL COPY

Row	Projected by Program Total	Year 2015 Jan	Year 2015 Feb	Year 2015 Mar	Year 2015 Apr	Year 2015 May	Year 2015 Jun	Year 2015 Jul	Year 2015 Aug	Year 2015 Sep	Year 2015 Oct	Year 2015 Nov	Year 2015 Dec	Total
1	DSM I	3,358	3,358	3,358	3,358	3,358	3,358	3,358	3,358	3,358	3,358	3,358	3,358	40,653
2	DSM I	710	710	710	710	710	710	710	710	710	710	710	710	8,520
3	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
4	DSM I	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	27,656
5	DSM I	435	435	435	435	435	435	435	435	435	435	435	435	5,215
6	DSM I	367	367	367	367	367	367	367	367	367	367	367	367	4,399
7	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
8	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
9	DSM I	288	288	288	288	288	288	288	288	288	288	288	288	3,455
10	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
11	DSM I	16	16	16	16	16	16	16	16	16	16	16	16	194
12	DSM I	8,288	8,288	8,288	8,288	8,288	8,288	8,288	8,288	8,288	8,288	8,288	8,288	99,455
13	DSM I	527	527	527	527	527	527	527	527	527	527	527	527	6,319
14	DSM I	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375	4,375	52,499
15	DSM I	2,770	2,770	2,770	2,770	2,770	2,770	2,770	2,770	2,770	2,770	2,770	2,770	33,235
16	DSM I	813	813	813	813	813	813	813	813	813	813	813	813	9,761
17	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
18	DSM I	627	627	627	627	627	627	627	627	627	627	627	627	7,522
19	DSM I	932	932	932	932	932	932	932	932	932	932	932	932	11,141
20	DSM I	319	319	319	319	319	319	319	319	319	319	319	319	3,828
21	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
22	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
23	DSM I	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Projected	26,134	26,134	26,134	26,134	26,134	26,134	26,134	26,134	26,134	26,134	26,134	26,134	313,603

Aug 15 2017

OFFICIAL COPY

From DSM E-22, Sub 543
 Company Exhibit No. JEB-1
 Schedule 1
 Page 1 of 1

Year 2017			
Res.		\$	4,666
Res.		-	-
Res.		-	-
Res.		-	-
Res.		-	-
Non Res.		-	-
Non Res.		-	-
Non Res.		1,267	-
Non Res.		1,225	-
Non Res.		3,473	-
Non Res.		3,509	-
Total	\$ 23,370,253		14,140

From DSM E-22, Sub 543
 Company Exhibit No. JEB-1
 Schedule 1
 Page 1 of 1

Year 2018			
System Program Projected Direct Costs			
Res. Air Conditioner Cycling		\$	3,854
Res. Heat Pump Tune-Up		-	-
Res. Heat Pump Upgrade		-	-
Res. Duct Sealing		-	-
Res. Home Energy Check-Up		-	-
Non Res. Duct Testing & Sealing		-	-
Non Res. Energy Audit		-	-
Non Res. Window Film		1,371	-
Non Res. Heating & Cooling Efficiency		1,212	-
Non Res. Lighting Systems & Controls		3,854	-
Non Res. Qualifying Small Business Improvement		4,013	-
Res. LED Lighting - NC Only		11,181	-
Non Res. Prescriptive		3,828	-
	\$ 25,062,140		\$ 29,313

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
AC Cycling Program
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 1 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	(\$14,137)
4	Jurisdictional Allocation %	4.9820%
5		
6	NC Net Benefit	(\$704)
7	NC DR Program Incentive %	8.0%
8	NC DR Program Incentive %	\$0
9		
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	\$4,286

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 8% Incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KW verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Res Heat Pump Tune Up
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 2 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	(\$2,482,300)
4	Jurisdictional Allocation %	6.0314%
5		
6	NC Net Benefit	(\$149,717)
7	NC EE Program Incentive %	13.0%
8	NC EE Program Incentive \$	(\$19,463)
9		
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	(\$2,680)

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% Incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Res Heat Pump Upgrade
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 3 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	(\$1,965,896)
4	Jurisdictional Allocation %	6.0314%
5		
6	NC Net Benefit	(\$118,571)
7	NC EE Program Incentive %	13.0%
8	NC EE Program Incentive \$	(\$15,414)
9		
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	(\$2,123)

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Res Home Energy Check Up
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 4 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	\$9,667
4	Jurisdictional Allocation %	6.0314%
5		
6	NC Net Benefit	\$583
7	NC EE Program Incentive %	13.0%
8	NC EE Program Incentive \$	\$76
9		
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	\$938

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Res Duct Sealing
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 5 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1	[REDACTED]	
2		
3		
4	System Net Benefit	(\$451,237)
5	Jurisdictional Allocation %	6.0314%
6	NC Net Benefit	(\$27,216)
7	NC EE Program Incentive %	13.0%
8	NC EE Program Incentive \$	\$0
9		(\$3,538)
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	\$1,133
		(\$487)

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Non Res Audit
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 6 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	\$1,344,234
4	Jurisdictional Allocation %	6.0314%
5		
6	NC Net Benefit	\$81,076
7	NC EE Program Incentive %	13.0%
8	NC EE Program Incentive \$	\$10,540
9		
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	\$1,451

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Non Res Duct
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 7 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	\$51,225,907
4	Jurisdictional Allocation %	6.0314%
5		
6	NC Net Benefit	\$3,089,639
7	NC EE Program Incentive %	13.0%
8	NC EE Program Incentive \$	\$401,653
9		
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	\$55,312

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Non Res Lighting & Controls
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 8 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	\$28,100,569
4	Jurisdictional Allocation %	6.0314%
5		
6	NC Net Benefit	\$1,694,858
7	NC EE Program Incentive %	13.0% 13.0%
8	NC EE Program Incentive \$	\$0 \$220,332
9		
10	Years to Spread Benefit	10 10
11	Financial Rate	6.29% 6.29%
12	Amortized Benefit	\$3,434 \$30,342

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Non Res HVAC
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 9 of 10

Row	Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1		
2		
3	System Net Benefit	\$12,169,876
4	Jurisdictional Allocation %	6.0314%
5		
6	NC Net Benefit	\$734,014
7	NC EE Program Incentive %	13.0%
8	NC EE Program Incentive \$	\$95,422
9		
10	Years to Spread Benefit	10
11	Financial Rate	6.29%
12	Amortized Benefit	\$13,141

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

Demand Side Management
Program Performance Incentive (PPI) Trueup for Year 2016
Non Res Window Film
Dollars
CONFIDENTIAL INFORMATION REDACTED

E-22 Sub 545

Company Exhibit JEB-1
Schedule 6
Page 10 of 10

Row		Col1 Vintage Year 2016 Planned	Col2 Vintage Year 2016 Actual
1			
2			
3	System Net Benefit		(\$223,239)
4	Jurisdictional Allocation %		6.0314%
5			
6	NC Net Benefit		(\$13,464)
7	NC EE Program Incentive %	13.0%	13.0%
8	NC EE Program Incentive \$	\$0	(\$1,750)
9			
10	Years to Spread Benefit	10	10
11	Financial Rate	6.29%	6.29%
12	Amortized Benefit	\$1,100	(\$241)

Notes:

- 1 Jurisdictional allocation factors are from Rate Department.
- 2 From the NC Stipulation: 13% incentive; 10 year benefit amortization
- 3 The financial rate for the amortization is from the Rate Department.
- 4 Starting in 2015, the Planned Benefit was estimate of 1% of NC program costs

System Benefits:

- 1 Using measure life years from the program summaries in the original DSM case filing.
- 2 Using "KWH verified per unit savings" from EM&V filing
- 3 Counts from EM&V filing.

System Costs:

- 1 Program costs include direct costs.

Aug 15 2017

OFFICIAL COPY

[illegible]

Notes:	
1	1
2	2
3	3
4	4

Aug 15 2017

OFFICIAL COPY

I/A

Company Exhibit No. AJM-1
Rebuttal Schedule 2
Page 1 of 7

Dominion Energy North Carolina Power
Docket No. E-22, Sub 545
DSM/EE Experience Modification Factor (Rider CE) for the Test Period January 1, 2016 through December 31, 2016
For (Refund)/Recovery in the Rate Period January 1, 2018 - December 31, 2018

Line No.	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Rider CE Total
1 Monthly Revenue Requirement (Page 3, Line 12)	\$ 206,536	\$ 183,353	\$ 244,825	\$ 229,628	\$ 251,092	\$ 415,456	\$ 376,632	\$ 538,434	\$ 365,604	\$ 284,691	\$ 314,731	\$ 44,375	\$ 3,464,399
2 Less: Portion Related to Utility Incentives (Page 3, Lines 9 & 10)	\$ (60,332)	\$ (59,451)	\$ (64,873)	\$ (65,526)	\$ (66,668)	\$ (72,578)	\$ (73,823)	\$ (78,907)	\$ (78,329)	\$ (75,958)	\$ (95,711)	\$ (38,939)	\$ (771,092)
3 Monthly Revenue Requirement Net of Incentives (Line 1 + Line 2)	\$ 146,204	\$ 133,901	\$ 179,952	\$ 164,101	\$ 184,424	\$ 342,880	\$ 302,810	\$ 459,527	\$ 287,275	\$ 208,733	\$ 219,020	\$ 5,437	\$ 2,693,307
4 Monthly Rider C Revenues	\$ 324,908	\$ 263,512	\$ 211,157	\$ 213,355	\$ 216,887	\$ 247,423	\$ 382,106	\$ 316,370	\$ 276,244	\$ 232,575	\$ 265,452	\$ 272,445	\$ 3,222,514
5 Less: Portion Related to Utility Incentives (Rev Req in Previous Rider C Filings)	\$ (15,187)	\$ (12,288)	\$ (8,854)	\$ (9,957)	\$ (10,122)	\$ (11,547)	\$ (17,832)	\$ (14,765)	\$ (12,892)	\$ (10,854)	\$ (12,388)	\$ (12,715)	\$ (150,390)
6 Monthly Rider C Revenues Net of Incentives (Line 4 + Line 5)	\$ 309,821	\$ 251,214	\$ 201,302	\$ 203,398	\$ 206,766	\$ 235,876	\$ 364,274	\$ 301,606	\$ 263,352	\$ 221,721	\$ 253,063	\$ 259,730	\$ 3,072,124
7 Monthly (Over)/Under Recovery Before Carrying Costs (Line 1 - Line 4)	\$ (118,451)	\$ (70,119)	\$ 31,889	\$ 18,272	\$ 34,205	\$ 188,033	\$ (5,474)	\$ 222,084	\$ 89,380	\$ 82,116	\$ 49,278	\$ (228,070)	\$ 241,885
8 Monthly (Over)/Under Recovery Excluding Utility Incentives (Line 3 - Line 6)	\$ (164,617)	\$ (117,273)	\$ (21,350)	\$ (39,297)	\$ (22,342)	\$ 107,004	\$ (61,464)	\$ 157,921	\$ 23,923	\$ (12,886)	\$ 25,957	\$ (254,294)	\$ (378,817)
9 Deferred Income Tax	\$ (63,880)	\$ (45,508)	\$ (8,285)	\$ (15,249)	\$ (8,870)	\$ 41,523	\$ (23,851)	\$ 61,281	\$ 9,283	\$ (5,039)	\$ 10,073	\$ (98,679)	\$ (147,000)
10 Net Monthly (Over)/Under Recovery Net of ADIT and Incentives (Line 8 - Line 9)	\$ (100,737)	\$ (71,765)	\$ (13,065)	\$ (24,048)	\$ (13,872)	\$ 65,481	\$ (37,613)	\$ 96,640	\$ 14,640	\$ (7,947)	\$ 15,884	\$ (165,615)	\$ (231,817)
11 Cumulative Net Monthly (Over)/Under Recovery (Net of Incentives)	\$ (100,737)	\$ (172,503)	\$ (185,568)	\$ (209,616)	\$ (223,288)	\$ (157,806)	\$ (195,419)	\$ (98,779)	\$ (84,140)	\$ (92,086)	\$ (76,202)	\$ (231,817)	
12 Two Month Average Cumulative Net (Over)/Under Recovery (Net of Incentives)	\$ (50,369)	\$ (136,620)	\$ (179,035)	\$ (197,592)	\$ (216,452)	\$ (190,547)	\$ (176,613)	\$ (147,099)	\$ (91,459)	\$ (88,113)	\$ (34,144)	\$ (154,009)	
13 Cost on Cumulative (Over)/Under Recovery [1]	\$ (488)	\$ (1,271)	\$ (1,888)	\$ (1,838)	\$ (2,014)	\$ (1,773)	\$ (1,843)	\$ (1,388)	\$ (851)	\$ (820)	\$ (744)	\$ (1,382)	\$ (18,820)
14 EMF to be (refunded)/collected during the Rate Period (Line 7 + Line 13)	\$ (118,920)	\$ (71,390)	\$ 32,003	\$ 14,434	\$ 32,191	\$ 186,280	\$ (7,117)	\$ 220,885	\$ 88,509	\$ 81,296	\$ 48,533	\$ (228,432)	\$ 228,065
15 Requirement for Financing Costs on Current Rider CE (Over) Recovery Net of Utility Incentives and ADIT for Jan 2017 - Dec 2017 (Page 6, Line 5)													\$ (24,809)
16 Total DSM/EE EMF Rider CE Revenue Requirement to be (Refunded)/Collected over the January 1, 2018 - December 31, 2018 Rate Year													\$ 201,456

[1] Pre-tax Overall Weighted Rate of Return Jan - Oct, Approved in Docket No. E-22, Sub 479. Nov and Dec Approved in Docket No. E-22, Sub 532.

Oct 31 2017

OFFICIAL COPY

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit No. AJM-1
Rebuttal Schedule 2
Page 2 of 7

Dominion North Carolina Power
Docket No. E-22, Sub 645
Actual Revenue Requirement for DSM/EE EMF Rider CE
For the Test Period January 1, 2016 - December 31, 2016

Line No.	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16	Total Test Period
1 System Program Operating Expenses													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Residential Income & Age Qualifying Home Improvement Program													
2 Allocate System Common Costs to Programs													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Income & Age Qualifying Home Improvement Program													
3 System Operating Expenses Including Allocated Common Costs													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Income & Age Qualifying Home Improvement Program													
4 Jurisdictional Assignment Factors													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Income & Age Qualifying Home Improvement Program													

Oct 31 2017

OFFICIAL COPY

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit No. 1
Rebuttal Schedule 2
Page 3 of 7Dominion North Carolina Power
Docket No. E-22, Sub 546
Actual Revenue Requirement for DSM/EE EMF Rider CE
For the Test Period January 1, 2016 - December 31, 2016

Line No.	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16	Total Test Period
5 NC Jurisdiction Operating Expenses (Lines 5 + Line 4)													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Residential Income & Age Qualifying Home Improvement Program													
6 NC Jurisdiction Property Taxes													
Air Conditioner Cycling Program	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 700	\$ 8,400
7 NC Jurisdiction Depreciation Expense (Page 4, Line 2 + Line 7)													
Air Conditioner Cycling Program	\$ 5,171	\$ 5,263	\$ 5,264	\$ 5,245	\$ 4,557	\$ 5,275	\$ 5,288	\$ 5,282	\$ 5,287	\$ 5,280	\$ 5,304	\$ (5,343)	\$ 51,886
8 NC Jurisdiction Rate Base Costs (Page 4, Line 18)													
Air Conditioner Cycling Program	\$ 5,344	\$ 5,389	\$ 5,448	\$ 5,395	\$ 5,349	\$ 5,333	\$ 5,309	\$ 5,275	\$ 5,239	\$ 5,211	\$ 5,062	\$ 5,027	\$ 63,377
9 NC Jurisdiction Net Lost Revenues (Page 5, Line 4)													
Residential Lighting Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Low Income Program (NC Only)	\$ 2,519	\$ 2,279	\$ 2,234	\$ 2,229	\$ 2,215	\$ 2,637	\$ 2,647	\$ 2,587	\$ 2,528	\$ 2,058	\$ -	\$ -	\$ 23,732
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial Lighting Program (NC Trailing EMV Costs Only)	\$ 5,611	\$ 4,430	\$ 4,486	\$ 4,308	\$ 4,469	\$ 4,394	\$ 4,470	\$ 4,864	\$ 4,606	\$ 4,022	\$ -	\$ -	\$ 45,547
Heat Pump Tune-up Program	\$ 4,814	\$ 5,005	\$ 5,146	\$ 5,337	\$ 5,447	\$ 6,789	\$ 6,917	\$ 7,082	\$ 7,172	\$ 8,048	\$ 559	\$ 849	\$ 60,965
Heat Pump Upgrade Program	\$ 885	\$ 865	\$ 899	\$ 1,238	\$ 1,074	\$ 1,399	\$ 1,452	\$ 1,555	\$ 1,596	\$ 1,380	\$ 324	\$ 335	\$ 13,003
Duct Testing & Sealing Program	\$ 420	\$ 451	\$ 543	\$ 622	\$ 533	\$ 785	\$ 804	\$ 917	\$ 820	\$ 685	\$ 36	\$ 36	\$ 6,637
Home Energy Check-up Program	\$ 3,943	\$ 3,848	\$ 3,951	\$ 3,957	\$ 3,953	\$ 4,738	\$ 4,714	\$ 4,712	\$ 4,726	\$ 3,845	\$ -	\$ -	\$ 42,588
Non-Residential Duct Testing & Sealing Program	\$ 13,343	\$ 13,372	\$ 13,803	\$ 13,560	\$ 13,713	\$ 14,190	\$ 14,938	\$ 15,582	\$ 15,721	\$ 14,901	\$ 2,885	\$ 2,781	\$ 149,785
Non-Residential Energy Audit Program	\$ 3,549	\$ 3,586	\$ 3,708	\$ 3,544	\$ 3,587	\$ 3,591	\$ 3,575	\$ 3,548	\$ 3,587	\$ 4,172	\$ 895	\$ 1,557	\$ 38,085
Non-Residential Lighting Systems and Controls	\$ 2,831	\$ 2,582	\$ 2,168	\$ 4,104	\$ 9,525	\$ 10,031	\$ 10,264	\$ 14,004	\$ 13,455	\$ 14,793	\$ 8,085	\$ 10,503	\$ 110,345
Non-Residential Heating & Cooling Efficiency	\$ 307	\$ 309	\$ 321	\$ 330	\$ 559	\$ 1,503	\$ 1,471	\$ 1,469	\$ 1,498	\$ 1,287	\$ 37	\$ 37	\$ 9,118
Non-Residential Window Film	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Income & Age Qualifying Home Improvement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58	\$ 87	\$ 130	\$ 172	\$ 377	\$ 527	\$ 1,383
10 NC Jurisdiction Program Performance Incentive (PPH)													
Air Conditioner Cycling Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Lighting Program	\$ 3,388	\$ 3,386	\$ 3,386	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,388	\$ 3,385	\$ 40,653
Residential Low Income Program (NC Only)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 435	\$ 5,215
Commercial Lighting Program (NC Trailing EMV Costs Only)	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 2,847	\$ 31,784
Residential Heat Pump Tune-up Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Heat Pump Upgrade Program	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 288	\$ 3,455
Residential Duct Testing & Sealing Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Home Energy Check-up Program	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 18	\$ 194
Non-Residential Duct Testing & Sealing Program	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 8,288	\$ 98,455
Non-Residential Energy Audit Program	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 527	\$ 6,318
Non-Residential Lighting Systems and Controls	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 3,784	\$ 45,172
Non-Residential Heating & Cooling Efficiency	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 2,587	\$ 30,788
Non-Residential Window Film	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 594	\$ 7,124
Residential Income & Age Qualifying Home Improvement Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11 Revenue Requirement (Sum Lines 6 through 10)													
Air Conditioner Cycling Program													
Residential Lighting Program													
Residential Low Income Program (NC Only)													
Commercial HVAC Upgrade Program (NC Trailing EMV Costs Only)													
Commercial Lighting Program (NC Trailing EMV Costs Only)													
Residential Heat Pump Tune-up Program													
Residential Heat Pump Upgrade Program													
Residential Duct Testing & Sealing Program													
Residential Home Energy Check-up Program													
Non-Residential Duct Testing & Sealing Program													
Non-Residential Energy Audit Program													
Non-Residential Lighting Systems and Controls													
Non-Residential Heating & Cooling Efficiency													
Non-Residential Window Film													
Residential Income & Age Qualifying Home Improvement Program													
12 Total Revenue Requirement All Programs	\$ 205,538	\$ 193,383	\$ 244,825	\$ 229,828	\$ 251,092	\$ 418,458	\$ 376,832	\$ 538,434	\$ 385,804	\$ 284,691	\$ 314,731	\$ 44,376	\$ 3,464,799

Oct 31 2017

OFFICIAL COPY

Dominion North Carolina Power
Docket No. E-22, Sub 545
Rate Base Costs For the Test Period January 1, 2016 - December 31, 2016

Line No.	Actual Dec-15	Actual Jan-16	Actual Feb-16	Actual Mar-16	Actual Apr-16	Actual May-16	Actual Jun-16	Actual Jul-16	Actual Aug-16	Actual Sep-16	Actual Oct-16	Actual Nov-16	Actual Dec-16
1 System Level Plant In Service Air Conditioner Cycling Program	\$ 18,992,740	\$ 19,075,679	\$ 19,411,859	\$ 19,438,692	\$ 19,364,981	\$ 19,403,068	\$ 19,456,755	\$ 19,478,784	\$ 19,484,036	\$ 19,500,190	\$ 19,543,766	\$ 19,563,477	\$ 19,352,669
2 System Depreciation Expense Air Conditioner Cycling Program	\$ 103,287	\$ 103,803	\$ 105,832	\$ 105,669	\$ 105,277	\$ 91,461	\$ 105,877	\$ 106,100	\$ 106,025	\$ 106,114	\$ 106,350	\$ 106,458	\$ (107,253)
3 System Accumulated Depreciation Air Conditioner Cycling Program	\$ 4,092,260	\$ 4,166,063	\$ 4,271,696	\$ 4,377,364	\$ 4,482,642	\$ 4,574,103	\$ 4,670,880	\$ 4,768,081	\$ 4,892,106	\$ 4,988,219	\$ 5,104,570	\$ 5,211,028	\$ 5,103,775
4 Cumulative System Net Plant (Line 1 - Line 3) Air Conditioner Cycling Program	\$ 14,920,480	\$ 14,909,616	\$ 15,140,163	\$ 15,061,627	\$ 14,882,339	\$ 14,828,965	\$ 14,776,775	\$ 14,852,703	\$ 14,591,930	\$ 14,501,870	\$ 14,439,196	\$ 14,352,449	\$ 14,248,894
5 System Accumulated Deferred Income Tax Air Conditioner Cycling Program	\$ (3,281,667)	\$ (3,368,799)	\$ (3,308,121)	\$ (3,260,715)	\$ (3,273,308)	\$ (3,255,902)	\$ (3,238,495)	\$ (3,221,088)	\$ (3,203,681)	\$ (3,186,274)	\$ (3,168,866)	\$ (3,151,460)	\$ (3,134,041)
6 Monthly Rate Base System (Line 4 + Line 5) Air Conditioner Cycling Program	\$ 11,638,813	\$ 11,522,817	\$ 11,832,042	\$ 11,770,912	\$ 11,609,031	\$ 11,573,063	\$ 11,538,280	\$ 11,471,615	\$ 11,388,249	\$ 11,315,696	\$ 11,270,328	\$ 11,200,989	\$ 11,114,853
7 Justificalional Allocation Factor Air Conditioner Cycling Program	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%	4.9820%
8 North Carolina Rate Base (Line 6 x Line 7) Air Conditioner Cycling Program	\$ 579,846	\$ 574,067	\$ 589,472	\$ 586,427	\$ 578,362	\$ 570,570	\$ 574,837	\$ 571,516	\$ 567,363	\$ 563,748	\$ 561,488	\$ 558,033	\$ 553,742
9 Ina Rate Base (2 month average)		\$ 576,956	\$ 581,770	\$ 587,950	\$ 582,394	\$ 577,466	\$ 576,704	\$ 573,176	\$ 569,439	\$ 565,555	\$ 562,618	\$ 559,761	\$ 555,888
10 Total (Page 8, Line 4/12)		0.6363%	0.6363%	0.6363%	0.6363%	0.6363%	0.6363%	0.6363%	0.6363%	0.6363%	0.6363%	0.6228%	0.6228%
11 Net Operating Income (Line 9 + Line 10)	\$ 3,871	\$ 3,702	\$ 3,741	\$ 3,706	\$ 3,874	\$ 3,663	\$ 3,647	\$ 3,623	\$ 3,589	\$ 3,589	\$ 3,580	\$ 3,489	\$ 3,462
12 Less Interest Expense LTD		0.1790%	0.1790%	0.1790%	0.1790%	0.1790%	0.1790%	0.1790%	0.1790%	0.1790%	0.1790%	0.1790%	0.1790%
13 Weighted Cost of Debt (Page 8, Line 1/12) Rate Base (2 Month Average + Line 8)	\$ 576,956	\$ 581,770	\$ 587,950	\$ 582,394	\$ 577,466	\$ 576,704	\$ 573,176	\$ 569,439	\$ 565,555	\$ 562,618	\$ 559,761	\$ 555,888	\$ 553,742
14 Revenue Requirement - Interest Expense on Debt	\$ 1,833	\$ 1,841	\$ 1,032	\$ 1,042	\$ 1,034	\$ 1,031	\$ 1,028	\$ 1,019	\$ 1,012	\$ 1,007	\$ 1,002	\$ 996	\$ 996
15 Net Income Related to Common Equity (Line 11 - Line 14)	\$ 2,638	\$ 2,660	\$ 2,889	\$ 2,663	\$ 2,641	\$ 2,633	\$ 2,621	\$ 2,604	\$ 2,580	\$ 2,573	\$ 2,484	\$ 2,467	\$ 2,467
16 North Carolina Justificalional Income Tax Gross-up Factor	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%	61.20%
17 Revenue Requirement - Common Equity Including Income Taxes	\$ 4,311	\$ 4,347	\$ 4,384	\$ 4,362	\$ 4,316	\$ 4,302	\$ 4,283	\$ 4,266	\$ 4,228	\$ 4,204	\$ 4,090	\$ 4,032	\$ 4,032
18 Revenue Requirement on Rate Base (Line 14 + Line 17)	\$ 6,144	\$ 6,189	\$ 6,448	\$ 6,398	\$ 6,348	\$ 6,333	\$ 6,309	\$ 6,276	\$ 6,239	\$ 6,211	\$ 6,082	\$ 6,027	\$ 6,027

Oct 31 2017

OFFICIAL COPY

Dominion North Carolina Power
Docket No. E-22, Sub 545
Refund of Financing Costs on Current Rider CE EMF Over-Recovery Over the Period of January 2017 - December 2017
To Be Refunded Over the Rate Period January 1, 2018 - December 31, 2018

line
no.

1	Test Period (Over)/Under Recovery - Net of Utility Incentives (Net of ADIT), R8-69(b)(6) (Schedule 2, Page 1, Line 8)	\$ (231,817)
2	Overall Cost of Capital Approved in Docket No. E-22, Sub 479 Grossed Up for Taxes	10.62%
3	Monthly Interest Rate (Line 2/12)	0.8846%
4	Number of Months Refund is Outstanding (January 2017 - December 2017)	12
5	Interest to be Paid on Test Period (Over) Recovery Net of ADIT	\$ (24,609)

Oct 31 2017

OFFICIAL COPY

VIRGINIA ELECTRIC AND POWER COMPANY
 Cost of Capital and Capital Structure
 13-Month Average
 As of December 31, 2016

line no.	Description	Average Capitalization	Average Capitalization Ratio	Average Embedded Cost%	Overall Cost Rate
1	Total Long-Term Debt	9,638,131	46.201%	4.6493%	2.148%
2	Total Preferred Stock	0	0.000%	0.0000%	0.000%
3	Common Equity	11,223,147	53.799%	10.2000%	5.487%
4	Total	<u>\$20,861,278</u>	<u>100.000%</u>		<u>7.636%</u>

VIRGINIA ELECTRIC AND POWER COMPANY
 Cost of Capital and Capital Structure
 13-Month Average
 As of December 31, 2016

	Description	Average Capitalization	Average Capitalization Ratio	Average Embedded Cost%	Overall Cost Rate
5	Total Long-Term Debt	9,638,131	46.201%	4.6493%	2.148%
6	Total Preferred Stock	0	0.000%	0.0000%	0.000%
7	Common Equity	11,223,147	53.799%	9.9000%	5.328%
8	Total	<u>\$20,861,278</u>	<u>100.000%</u>		<u>7.474%</u>

Oct 31 2017

OFFICIAL COPY

I/A

DOMINION ENERGY NORTH CAROLINA
ASSIGNMENT AND ALLOCATION OF COSTS TO NORTH CAROLINA JURISDICTION
DOCKET NO. E-22, SUB 545

Line	Name of System Program	Program Category	Basis for Determining Cost for North Carolina Jurisdiction		
			Assignment	Allocation to NC Juris	If Allocated, Allocation Factor
1	Air Conditioner Cycling Program	Peak-Clipping		X	ICP
2	Residential Lighting Program	Energy Efficiency		X	Energy
3	Residential Low Income Program	Energy Efficiency	X (1)	X (1)	Energy
4	Commercial HVAC Upgrade Program	Energy Efficiency	X		Energy
5	Commercial Lighting Program	Energy Efficiency	X		Energy
6	Residential Heat Pump Tune Up	Energy Efficiency		X	Energy
7	Residential Heat Pump Upgrade	Energy Efficiency		X	Energy
8	Residential Duct Testing & Sealing	Energy Efficiency		X	Energy
9	Residential Home Energy Checkup	Energy Efficiency		X	Energy
10	Non-residential Duct Testing & Sealing	Energy Efficiency		X	Energy
11	Non-residential Energy Audit	Energy Efficiency		X	Energy
12	Qualifying Small Business Improvement Program	Energy Efficiency		X	Energy
13	Commercial Distributed Generation	Energy Efficiency			
14	Non Residential Window Film	Energy Efficiency		X	Energy
15	Non Residential Lighting Systems and Controls	Energy Efficiency		X	Energy
16	Non Residential Heating & Cooling Efficiency	Energy Efficiency		X	Energy
17	Residential Income and Age Qualifying Home Improvement	Energy Efficiency		X	Energy
18	Residential Appliance Recycling	Energy Efficiency		X	Energy
19	Non Residential Prescriptive Program	Energy Efficiency		X	Energy
20	Common Costs	All Programs	X (2)	X (2)	<u>\$ Prox Cost \$</u> <u>\$ Sys Prog Cost \$</u>

Notes

- For the true-up through the EMF, the Residential Low Income Program is allocated to the North Carolina jurisdiction. For the projected period, the Residential Low Income Program is a North Carolina retail-only program and the cost is assigned.
- Allocation of System-level Common Costs to each Program on the basis of individual Program Costs to System Program Costs. All common costs for NC retail-only programs are assigned to NC.

OFFICIAL COPY

Aug 15 2017

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit ML-1
Schedule 1
Page 2 of 4

DOMINION ENERGY NORTH CAROLINA
ALLOCATION OF COMMON COSTS TO PROGRAMS
FOR THE EMP TRUE-UP FOR RIDER CE
DOCKET NO. E-22, SUB 545

JANUARY 1, 2016 - DECEMBER 31, 2016

Allocate Common Cost to Programs: (1)

Common Costs

Costs Applicable to All
of the DSM/EE Programs

System Program Cost \$
Σ System Program Cost \$

An allocation factor is developed for each Program.

Line	Name of System Program	Program Category	Approved in NC Jurisdiction	Operating Cost (2)	Depreciation Expense (3)	Property Taxes (4)	Total (5)	Allocation Factors
1	Air Conditioner Cycling Program	Peak-Clipping	X					
2	Residential Lighting Program	Energy Efficiency	X					
3	Low Income Program	Energy Efficiency	X					
4	Commercial HVAC Upgrade Program	Energy Efficiency	X					
5	Commercial Lighting Program	Energy Efficiency	X					
6	Residential Heat Pump Tune Up	Energy Efficiency	X					
7	Residential Heat Pump Upgrade	Energy Efficiency	X					
8	Residential Duct Testing & Sealing	Energy Efficiency	X					
9	Residential Home Energy Check Up Program	Energy Efficiency	X					
10	Non Residential Duct Testing & Sealing	Energy Efficiency	X					
11	Non residential Energy Audit Program	Energy Efficiency	X					
12	Commercial Distributed Generation	Peak-Clipping	X					
13	Non Residential Lighting Systems and Controls	Energy Efficiency	X					
14	Non Residential Heating & Cooling Efficiency	Energy Efficiency	X					
15	Non Residential Window Film	Energy Efficiency	X					
16	Residential Low Income	Energy Efficiency	X					
17	Residential Appliance Recycling	Energy Efficiency	X					
18	Residential Income & Age Qualifying Home Improvement Prg	Energy Efficiency	X					
19	Non-Residential Small Business Improvement	Energy Efficiency	X					
Sum of Program Cost								

Note

- 1) The allocation of the Common cost revenue requirement to the DSM/EE Programs is provided in the testimony of Company witness Moore.
- 2) For the true-up period ending December 31, 2016, refer to Company Exhibit AJM - 1, Rider CE, Schedule 2, Page 2
- 3) For the true-up rate period, refer to Company Exhibit AJM-1, Rider CE, Schedule 2, Page 4, Line 2.
- 4) For the true-up rate period, refer to Company Exhibit AJM-1, Rider CE, DNF - Input Sheet, Row 106

OFFICIAL COPY

AUG 15 2017

CONFIDENTIAL INFORMATION REDACTED

Company Exhibit MIL-1
Schedule 1
Page 3 of 4

DOMINION ENERGY NORTH CAROLINA
ALLOCATION OF COMMON COSTS TO PROGRAMS
FOR THE PROJECTED RATE PERIOD FOR RIDER C
DOCKET NO. E-22, SUB 545

JANUARY 1, 2018 - DECEMBER 31, 2018

Allocate Common Cost to Programs: (1)

Common Costs

Costs Applicable to All
of the DSM/EE Programs

System Program Cost \$
Σ System Program Cost \$

An allocation factor is developed for each Program.

Line	Name of System Program	Program Category	Approved in NC Jurisdiction	Projected Operating Cost (2)	Projected Depreciation Expense (3)	Projected Property Taxes (4)	Total	Rider C Program Rev Req to Total C Allocation Factors (5)
1	Air Conditioner Cycling Program	Peak-Clipping	X					
2	Residential Lighting Program	Energy Efficiency	Concluded					
3	Low Income Program	Energy Efficiency	NC Only					
4	Commercial HVAC Upgrade Program	Energy Efficiency	NC Only					
5	Commercial Lighting Program	Energy Efficiency	NC Only					
6	Residential Heat Pump Tune Up	Energy Efficiency	X					
7	Residential Heat Pump Upgrade	Energy Efficiency	X					
8	Residential Duct Testing & Sealing	Energy Efficiency	X					
9	Residential Home Energy Check-up Program	Energy Efficiency	X					
10	Non-residential Duct Testing & Sealing	Energy Efficiency	X					
11	Non-residential Energy Audit	Energy Efficiency	X					
12	Non-residential Solar Film	Energy Efficiency						
13	Non-residential Heating & Cooling Efficiency	Energy Efficiency						
14	Non-residential Lighting Systems and Controls	Energy Efficiency						
15	Residential Income and Age qualifying Home Improvement Residential LED Lighting - NC Only	Energy Efficiency						
16	Commercial Distributed Generation	Peak-Clipping						
17	Non Residential Qualifying Small Business Improvement	Energy Efficiency						
18	Residential Programmable Thermostat	Energy Efficiency						
19	Residential Appliance Recycling	Energy Efficiency						
20	Residential Home Energy Assessment Program	Energy Efficiency						
21	Non Residential Prescriptive Program	Energy Efficiency						

20 Sum of Program Cost

Notes

- 1) The allocation of the Common cost revenue requirement to the DSM/EE Programs is provided in the testimony of Company witness Moore.
For the projected rate period ending December 31, 2016, refer to Company Exhibit JEB - 1, Schedule 1 (also includes projected property taxes)
- 2) For the projected rate period, refer to Company Exhibit AJM, Schedule 1, Page 2 and DNF, Column J.
- 3) For the projected rate period, refer to Company Exhibit AJM-1, Rider C, Schedule 1, Page 4, Line 5

OFFICIAL COPY

AUG 15 2017

**DOMINION ENERGY NORTH CAROLINA
JURISDICTIONAL ALLOCATION FACTORS
FOR THE PROJECTED RATE PERIOD FOR RIDER C AND RIDER CE
TWELVE MONTHS ENDED DECEMBER 31, 2016
DOCKET NO. E-22, SUB 545**

ICP Methodology - 4 Jurisdiction

Factor 1 NC DSM

	Total DOM Zone	VA Juris	VA Non-Juris	FERC	NC Juris
(1) CP (kW) loads at time of DOM Zone Peak (NSPL)	17,362,375	14,425,969	1,803,546	370,331	762,529
(2) Less Non-participating Contract Classes and Exempt/Opt-out MS Customers	2,056,795	0	1,686,464	370,331	0
(3) Adjusted CP loads	15,305,580	14,425,969	117,082	0	762,529
(4) Factor 1 NC DSM	100.0000%	94.2530%	0.7650%	0.0000%	4.9820%
(5) Rounding					
(6) Factor 1 NC DSM	100.0000%	94.2530%	0.7650%	0.0000%	4.9820%

Factor 3 NC EE

	Total DOM Zone	VA Juris	VA Non-Juris	FERC	NC Juris
(1) Annual Energy (MWh)	87,519,304	68,908,583	11,296,351	2,846,523	4,467,848
(2) Less Non-participating Contract Classes and Exempt/Opt-out MS Customers	13,442,976	0	10,596,454	2,846,523	0
(3) Adjusted energy	74,076,328	68,908,583	699,897	0	4,467,848
(4) Factor 3 NC DSM	100.0000%	93.0238%	0.9448%	0.0000%	6.0314%
(5) Rounding					
(6) Factor 3 NC DSM	100.0000%	93.0238%	0.9448%	0.0000%	6.0314%

OFFICIAL COPY

Aug 15 2017

DOMINION ENERGY NORTH CAROLINA
ALLOCATION FACTORS FOR THE COSTS OF THE APPROVED DSM PROGRAMS TO THE CUSTOMER CLASSES
DOCKET NO. E-22, SUB 545

<u>Name of Program</u>	<u>Program Category</u>	<u>Total Rider Revenue Requirement</u> <u>Customer Class Assignment or Allocation Factor</u>	
Air Conditioner Cycling Program	Peak-Clipping	Assigned - Residential Class	
Residential Heat Pump Tune Up	Energy Efficiency	Assigned - Residential Class	
Residential Heat Pump Upgrade	Energy Efficiency	Assigned - Residential Class	
Residential Duct Testing & Sealing	Energy Efficiency	Assigned - Residential Class	
Residential Home Energy Check-up Program	Energy Efficiency	Assigned - Residential Class	
Non-residential Duct Testing & Sealing	Energy Efficiency	Allocated to Non-Residential Customers Using Energy Factor	(1)
Non-residential Energy Audit	Energy Efficiency	Allocated to Non-Residential Customers Using Energy Factor	(1)
Non-residential Window Film Program	Energy Efficiency	Allocated to Non-Residential Customers Using Energy Factor	(1)
Non-residential Heating and Cooling Efficiency Program	Energy Efficiency	Allocated to Non-Residential Customers Using Energy Factor	(1)
Non-residential Lighting Systems and Controls Program	Energy Efficiency	Allocated to Non-Residential Customers Using Energy Factor	(1)
Qualifying Small Business Improvement Program	Energy Efficiency	Allocated to Non-Residential Customers Using Energy Factor	(1)
Residential Income and Age Qualifying Home Improvement	Energy Efficiency	Assigned - Residential Class	
Residential LED Lighting - NC Only	Energy Efficiency	Assigned - Residential Class	
Non-Residential Prescriptive Program	Energy Efficiency	Allocated to Non-Residential Customers Using Energy Factor	(1)

Note
1) Energy Allocation Factor for Test Year is Adjusted for Opt-Out customers and for customer classes not participating in the program (Residential, Street and Outdoor Lights, Traffic Lights). Allocation Factors are calculated in Company Exhibit MLL - 1, Schedule 2, Page 2 for the EMF true-up and for the Projected Rate Period.

OFFICIAL COPY

AUG 15 2017

DOMINION ENERGY NORTH CAROLINA

ADJUSTED FOR OPT - OUT CUSTOMERS AND CUSTOMER CLASSES NOT PARTICIPATING IN COMMERCIAL PROGRAMS
FOR THE PROJECTED RATE PERIOD FOR RIDER C AND RIDER CE
TWELVE MONTHS ENDED DECEMBER 31, 2016
DOCKET NO. E-22, SUB 545

Company Exhibit MLU-1
Schedule 2
Page 2 of 2

ICP ALLOCATION METHODOLOGY - NORTH CAROLINA RETAIL CLASSES

Factor 1 NC DSM

	Total NC Class	Residential	SGS	LGS	6VP	Schedule NS	ST & Outdoor Lighting	Traffic Lighting
(1) CP (kW) loads at time of DOM Zone Peak (NSPL)	762,529	420,746	156,883	110,235	34,848	39,767	-	59
(2) Less Opt-out customers and directly assigned classes	550,191	420,746	205	54,575	34,848	38,767	0	59
(3) Adjusted CP loads	212,338	0	156,678	55,600	-	0	0	0
(4) Factor 1 NC DSM	100.0000%	0.0000%	73.7871%	26.2129%	0.0000%	0.0000%	0.0000%	0.0000%
(5) Rounding								
(6) Factor 1 NC DSM	100.0000%	0.0000%	73.7871%	26.2129%	0.0000%	0.0000%	0.0000%	0.0000%

Factor 3 NC EE

	Total NC Class	Residential	SGS	LGS	6VP	Schedule NS	ST & Outdoor Lighting	Traffic Lighting
(1) Annual Energy (MWh)	4,487,848	1,635,177	688,534	819,395	264,835	654,987	26,375	545
(2) Less Opt-out customers and directly assigned classes	3,209,505	1,635,177	1,630	425,956	264,835	854,987	26,375	545
(3) Adjusted energy	1,258,343	0	684,903	393,439	0	0	0	0
(4) Factor 3 NC DSM	100.0000%	0.0000%	68.7335%	31.2665%	0.0000%	0.0000%	0.0000%	0.0000%
(5) Rounding								
(6) Factor 3 NC DSM	100.0000%	0.0000%	68.7335%	31.2665%	0.0000%	0.0000%	0.0000%	0.0000%

OFFICIAL COPY

Aug 15 2017

Section 1.1		Section 1.2		Section 1.3		Section 1.4		Section 1.5		Section 1.6		Section 1.7		Section 1.8		Section 1.9		Section 1.10		Section 1.11		Section 1.12		Section 1.13		Section 1.14		Section 1.15		Section 1.16		Section 1.17		Section 1.18		Section 1.19		Section 1.20		Section 1.21		Section 1.22		Section 1.23		Section 1.24		Section 1.25		Section 1.26		Section 1.27		Section 1.28		Section 1.29		Section 1.30		Section 1.31		Section 1.32		Section 1.33		Section 1.34		Section 1.35		Section 1.36		Section 1.37		Section 1.38		Section 1.39		Section 1.40		Section 1.41		Section 1.42		Section 1.43		Section 1.44		Section 1.45		Section 1.46		Section 1.47		Section 1.48		Section 1.49		Section 1.50		Section 1.51		Section 1.52		Section 1.53		Section 1.54		Section 1.55		Section 1.56		Section 1.57		Section 1.58		Section 1.59		Section 1.60		Section 1.61		Section 1.62		Section 1.63		Section 1.64		Section 1.65		Section 1.66		Section 1.67		Section 1.68		Section 1.69		Section 1.70		Section 1.71		Section 1.72		Section 1.73		Section 1.74		Section 1.75		Section 1.76		Section 1.77		Section 1.78		Section 1.79		Section 1.80		Section 1.81		Section 1.82		Section 1.83		Section 1.84		Section 1.85		Section 1.86		Section 1.87		Section 1.88		Section 1.89		Section 1.90		Section 1.91		Section 1.92		Section 1.93		Section 1.94		Section 1.95		Section 1.96		Section 1.97		Section 1.98		Section 1.99		Section 2.00		Section 2.01		Section 2.02		Section 2.03		Section 2.04		Section 2.05		Section 2.06		Section 2.07		Section 2.08		Section 2.09		Section 2.10		Section 2.11		Section 2.12		Section 2.13		Section 2.14		Section 2.15		Section 2.16		Section 2.17		Section 2.18		Section 2.19		Section 2.20		Section 2.21		Section 2.22		Section 2.23		Section 2.24		Section 2.25		Section 2.26		Section 2.27		Section 2.28		Section 2.29		Section 2.30		Section 2.31		Section 2.32		Section 2.33		Section 2.34		Section 2.35		Section 2.36		Section 2.37		Section 2.38		Section 2.39		Section 2.40		
-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	-------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--------------	--	--

OFFICIAL COPY

DOMINION ENERGY NORTH CAROLINA
DSM/EE EXPERIENCE MODIFICATION FACTOR (RIDER CE) FOR THE TEST PERIOD JANUARY 1, 2015 THROUGH DECEMBER 31, 2015
ASSIGNMENT AND ALLOCATION TO CUSTOMER CLASSES
DOCKET NO. E-22, SUB 545

OFFICIAL COPY

Aug 15 2017

Line								
1	<u>Jurisdictional Program Revenue Requirement</u>							
	<u>From Exhibit No. MLL-1 Sch 3 Pg 1 Ln 4</u>							
	Residential Programs							\$1,791,637
	Non-residential Programs							\$1,673,635
	Jurisdictional Program Revenue Requirement AJM-1 Sch 2 Pg 1 Ln 1							\$3,465,272
2	<u>Monthly Rider C Revenues</u>							
	Residential Programs							\$1,666,125
	Non-residential Programs							\$1,556,389
	Monthly Revenue From Exhibit No. AJM-1 Sch 2 Pg 1 Ln 4							\$3,222,514
3	<u>(Over) / Under Recovery (Ln 1 - Ln 2)</u>							
	Residential Programs							\$125,512
	Non-residential Programs							\$117,246
	(Over) / Under Recovery From Exhibit No. AJM-1 Rider CE Sch 2 Pg 1 Ln 7							\$242,758
4	<u>Deferred Income Tax</u>							
	Residential Programs							(\$75,828)
	Non-residential Programs							(\$70,833)
	Deferred Income Tax From Exhibit No. AJM-1 Rider CE Sch 2 Pg 1 Ln 9							(\$146,661)
5	<u>Net (Over) / Under Recovery (Ln 3 - Ln 4)</u>							
	Residential Programs							\$201,340
	Non-residential Programs							\$188,079
	Net (Over) / Under Recovery From all Programs							\$389,419
6	<u>Carrying Cost on Cumulative (Over) / Under Recovery</u>							
	Residential Programs							(\$8,157)
	Non-residential Programs							(\$7,619)
	From Exhibit No. AJM-1 Rider CE Sch 2 Pg 1 Ln 13							(\$15,776)
7	<u>Financing Costs Rider CE (Over)-recovery</u>							
	Residential Programs							(\$12,694)
	Non-residential Programs							(\$11,858)
	From Exhibit No. AJM-1 Rider CE Sch 2 Pg 1 Ln 15							(\$24,552)
8	<u>DSM EE/EMF to be (refunded)/collected during the</u>							
	<u>Rate Period January 1, 2018 - December 31, 2018 (Ln 3 + Ln 6+Ln7)</u>							
	Residential Programs							\$104,662
	Non-residential Programs							\$97,768
	DSM EE/EMF to be (refunded)/collected							
	From Exhibit No. AJM-1 Rider CE Sch 2 Pg 1 Ln 16)							\$202,430
		North Carolina	SGS	LGS	6 VP	Schedule NS	ST & Outdoor	Traffic
		Jurisdiction	Residential	Co & Muni			Lighting	Lighting
9	<u>Assignment / Allocation of DSM / EE EMF</u>							
	<u>Rider CE Revenue Requirement to Customer Classes</u>							
	Residential Programs	\$104,662	\$104,662	\$0	\$0	\$0	\$0	\$0
	<u>Non-residential Programs</u>							
	<u>Factor to Allocate Energy Efficiency Programs</u>							
	From Exhibit No. MLL-1 Sch 2 Pg 2	100.0000%	0.0000%	68.7335%	31.2655%	0.0000%	0.0000%	0.0000%
	Non-residential Programs	\$97,769	\$0	\$67,200	\$30,569	\$0	\$0	\$0
	Check	\$202,430						

Company Exhibit MLL-1
Schedule B
Page 3 of 4

[illegible]

Aug 15 2017

DOMINION ENERGY NORTH CAROLINA
DSM/EE (RIDER C) FOR THE PROJECTED RATE PERIOD JANUARY 1, 2018 THROUGH DECEMBER 31, 2018
ASSIGNMENT AND ALLOCATION TO CUSTOMER CLASSES
DOCKET NO. E-22, SUB 545

Line

1 Jurisdictional Program Revenue Requirement
From Exhibit No. MLL-1 Sch 3 Pg 3 Ln 4
Residential Programs
Non-residential Programs
Jurisdictional Program Revenue Requirement

\$1,791,897
\$1,750,572
\$3,542,469

2 Assignment / Allocation of DSM / EE
Rider C Revenue Requirement to Customer Classes
Residential Programs

North Carolina Jurisdiction	Residential	SGS Co & Muni	LGS	6 VP	Schedule NS	ST & Outdoor Lighting	Traffic Lighting
\$1,791,897	\$1,791,897	\$0	\$0	\$0	\$0	\$0	\$0
Non-residential Programs							
Factor to Allocate Energy Efficiency Programs							
From Exhibit No. MLL-1 Sch 3 Pg 3	100.0000%	0.0000%	68.7335%	31.2665%	0.0000%	0.0000%	0.0000%
Non-residential Programs	<u>\$1,750,572</u>	\$0	\$1,203,229	\$547,343	\$0	\$0	\$0
Check	\$3,542,469						

OFFICIAL COPY

AUG 15 2017

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 545**

Company Exhibit No. MLL-1
Schedule 4
Page 1 of 4

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

- (1) Each 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:
 - b. total costs that the utility does not expect to incur during the rate period as a direct result of the measure in the aggregate and broken down by type of cost, per appropriate capacity, energy and measure unit metric, and the proposed jurisdictional allocation factors, as well as any changes in the estimate future amounts since last filed with the Commission;

In the table below, the Company shows factors that allocate the total system expenses directly attributable to the measures which the Company requests cost recovery through the DSM/EE rider that are not expected to be incurred during the rate period January 1, 2018 through December 31, 2018. The demand allocation factor is based on the summer / winter peak and average methodology and is provided for the twelve months ended December 31, 2016. The energy allocation factor is provided for the twelve months ended December 31, 2016.

Program	NC Jurisdictional Demand Allocator	NC Jurisdictional Energy Allocator
Air Conditioner Cycling Program	4.9395%	5.1050%
Residential Lighting Program	4.9395%	5.1050%
Low Income Program	4.9395%	5.1050%
Residential Home Energy Check-Up Program	4.9395%	5.1050%
Residential Duct Testing & Sealing Program	4.9395%	5.1050%
Residential Heat Pump Tune-Up Program	4.9395%	5.1050%
Residential Heat Pump Upgrade Program	4.9395%	5.1050%
Commercial HVAC Upgrade Program	4.9395%	5.1050%
Commercial Lighting Program	4.9395%	5.1050%
Non-residential Energy Audit Program	4.9395%	5.1050%
Non-residential Duct Testing & Sealing Program	4.9395%	5.1050%
Non-residential Window Film	4.9395%	5.1050%
Non-residential Lighting Systems and Controls	4.9395%	5.1050%
Non-residential Heating and Cooling Efficiency	4.9395%	5.1050%
Residential Income and Age Qualifying Home Improvement Program	4.9395%	5.1050%
Qualifying Small Business Improvement Program	4.9395%	5.1050%

OFFICIAL COPY

Aug 15 2017

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 545**

Company Exhibit No. MLL-1
Schedule 4
Page 2 of 4

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

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

viii) All workpapers supporting the calculations and adjustments described above:

Pages 3 - 4 of this Schedule 4 calculate the allocation factors listed below:

Used to Allocate System Expenses Not Expected to Be Incurred During the Rate Period

- 1) Factor 1 Summer Winter Peak and Average ("SWPA") — System to Jurisdiction
a. NC Juris = 4.9395%
- 2) Factor 3 — System to Jurisdiction
a. NC Juris = 5.1050%

OFFICIAL COPY

AUG 15 2017

DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 545
12 MONTHS ENDING DECEMBER 31, 2016
SUMMER WINTER PEAK AND AVERAGE

FACTOR 1/61		Total System	Va Juris	Va Non-Juris	FERC	N C Juris
(1)	Energy-Production	87,519,304	68,908,583	11,296,351	2,846,523	4,467,848
(2)	Ave. Demand (Ln 1 / # hrs in year)	9,963,491	7,844,784	1,286,014	324,058	508,635
(3)	Class Avg. Demand as % of system	100.0000%	78.7353%	12.9073%	3.2525%	5.1050%
(4)	Winter Coincident Peak 02/20/15 @ 0800	16,492,492	13,509,041	1,692,040	461,799	829,611
(5)	Summer Coincident Peak 06/23/15 @ 1700	17,362,375	14,425,969	1,803,546	370,331	762,529
(6)	Avg. Peak Demand [(Lns 4+5)/2]	16,927,434	13,967,505	1,747,793	416,065	796,070
(7)	Avg. Peak Demand as % of system	100.0000%	82.5140%	10.3252%	2.4579%	4.7028%
(8)	Sys. Ln 2 / Sys Ln 6 =	58.8600%	5,864,513	4,617,442	756,948	190,740
	Class Ave. Dem.% Ln 3 x	58.8600%	58.8600%	46.3436%	7.5972%	1.9144%
(9)	1 - Sys. Line 8 =	41.1400%	6,963,943	5,746,229	719,042	171,169
	Class Ave. Pk. Dem. % Ln 7 x	41.1400%	41.1400%	33.9462%	4.2478%	1.0112%
(10)	Factor 1/61 (8+ 9)	100.0000%	80.2899%	11.8450%	2.9256%	4.9395%
(11)	Rounding		0.0000%	0.0000%	0.0000%	0.0000%
(12)	Factor 1/61	100.0000%	80.2899%	11.8450%	2.9256%	4.9395%

OFFICIAL COPY

Aug 15 2017

DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22 , SUB 545
12 MONTHS ENDING DECEMBER 31, 2016 SUMMER WINTER
PEAK AND AVERAGE

FACTOR 3/63	Total System	Va Juris	Va Non-Juris	FERC	N C Juris
Energy production	87,519,304	68,908,583	11,296,351	2,846,523	4,467,848
Factor 3/63	100.0001%	<u>78.7353%</u>	<u>12.9073%</u>	<u>3.2525%</u>	<u>5.1050%</u>
		-0.0001%	0.0000%	0.0000%	0.0000%
Factor 3/63	100.0000%	78.7352%	12.9073%	3.2525%	5.1050%

OFFICIAL COPY

Aug 15 2017

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
FORECAST KWH SALES AND CUSTOMERS
BY REVENUE CLASS
12 MONTHS ENDED December 31, 2018

----- REVENUE CLASS=A. RESIDENTIAL -----

YR	MONTH	FORECAST CUST	FORECAST KWH
2018	1	102,516	150,399,190
2018	2	102,544	159,360,632
2018	3	102,563	125,694,097
2018	4	102,572	85,848,806
2018	5	102,591	107,750,188
2018	6	102,618	143,151,796
2018	7	102,651	174,515,376
2018	8	102,692	170,658,381
2018	9	102,717	120,702,838
2018	10	102,745	105,251,648
2018	11	102,791	101,149,336
2018	12	102,840	144,457,170
-----			-----
TOTAL			1,588,939,458

----- REVENUE CLASS=B. COMMERCIAL -----

YR	MONTH	FORECAST CUST	FORECAST KWH
2018	1	15,666	74,164,964
2018	2	15,668	60,122,161
2018	3	15,672	59,289,366
2018	4	15,675	58,552,257
2018	5	15,679	64,297,664
2018	6	15,683	71,591,260
2018	7	15,687	83,810,898
2018	8	15,690	86,374,639
2018	9	15,693	75,414,343
2018	10	15,696	73,039,390
2018	11	15,699	63,837,374
2018	12	15,702	67,001,134
-----			-----
TOTAL			837,495,450

OFFICIAL COPY

Aug 15 2017

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
FORECAST KWH SALES AND CUSTOMERS
BY REVENUE CLASS
12 MONTHS ENDED December 31, 2018

----- REVENUE CLASS=C. INDUSTRIAL -----

YR	MONTH	FORECAST CUST	FORECAST KWH
2018	1	61	179,931,187
2018	2	61	107,725,606
2018	3	61	120,141,821
2018	4	61	179,929,169
2018	5	61	143,735,053
2018	6	61	137,626,590
2018	7	61	193,441,230
2018	8	61	113,323,196
2018	9	61	143,060,559
2018	10	61	149,362,916
2018	11	61	144,871,322
2018	12	61	126,972,556
TOTAL			1,740,121,205

----- REVENUE CLASS=D. OUTDOOR LIGHTING & TRAFFIC -----

YR	MONTH	FORECAST CUST	FORECAST KWH
2018	1	393	837,570
2018	2	394	639,782
2018	3	394	681,156
2018	4	394	702,348
2018	5	394	752,804
2018	6	394	666,019
2018	7	394	743,722
2018	8	394	737,667
2018	9	394	622,627
2018	10	394	687,211
2018	11	394	642,810
2018	12	394	687,211
TOTAL			8,400,927

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
FORECAST KWH SALES AND CUSTOMERS
BY REVENUE CLASS
12 MONTHS ENDED December 31, 2018

----- REVENUE CLASS=E. PUBLIC AUTHORITY -----

YR	MONTH	FORECAST CUST	FORECAST KWH
2018	1	1,851	11,179,070
2018	2	1,850	10,874,292
2018	3	1,850	9,957,878
2018	4	1,850	9,003,884
2018	5	1,850	9,878,227
2018	6	1,850	11,078,879
2018	7	1,851	11,974,432
2018	8	1,850	12,546,392
2018	9	1,848	11,726,488
2018	10	1,847	10,652,971
2018	11	1,846	9,056,853
2018	12	1,846	8,939,375
-----			-----
TOTAL			126,868,741
			=====
			4,301,825,781

OFFICIAL COPY

Aug 15 2017

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
FORECAST KWH SALES BY REVENUE CLASS AND RATE SCHEDULE

----- REVENUE CLASS=A. RESIDENTIAL -----

	12 MOS ENDED 12/31/2018 FORECAST KWH
RATE SCHEDULE	
1DF	2,951,366
1	1,570,657,381
1P	6,891,732
1T	1,089,029
1W	86,653
26	7,263,296
-----	-----
RC	1,588,939,458

----- REVENUE CLASS=B. COMMERCIAL -----

	12 MOS ENDED 12/31/2018 FORECAST KWH
RATE SCHEDULE	
5	569,772,905
5C	5,228,272
5P	112,206,047
7	1,400,696
6C	5,228,714
6P & 6L	101,580,839
10	35,452,469
26	9,270,975
-----	-----
RC	840,140,917

----- REVENUE CLASS=C. INDUSTRIAL -----

	12 MOS ENDED 12/31/2018 FORECAST KWH
RATE SCHEDULE	
5	13,004,799
5P	1,309,597
6P & 6L	621,610,915
6VP	89,928,168

* SCHEDULE NS IS ACTUAL KWH FOR THE 12 MONTHS ENDING DECEMBER 2016.

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
FORECAST KWH SALES BY REVENUE CLASS AND RATE SCHEDULE

----- REVENUE CLASS=C. INDUSTRIAL -----

(continued)

RATE SCHEDULE	12 MOS ENDED 12/31/2018 FORECAST KWH
10	133,829,211
NS	826,025,926
26	344,355
-----	-----
RC	1,686,052,971

----- REVENUE CLASS=D. OUTDOOR LIGHTING & TRAFFIC -----

RATE SCHEDULE	12 MOS ENDED 12/31/2018 FORECAST KWH
30T	553,910
26	7,847,017
-----	-----
RC	8,400,927

----- REVENUE CLASS=E. PUBLIC AUTHORITY -----

RATE SCHEDULE	12 MOS ENDED 12/31/2018 FORECAST KWH
5P	2,191,522
30	78,994,572
42	42,758,279
26	278,901
-----	-----
RC	124,223,274
	=====
	4,247,757,547

* SCHEDULE NS IS ACTUAL KWH FOR THE 12 MONTHS ENDING DECEMBER 2016.

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
SUMMARY OF FORECAST NET KWH SALES BY RATE SCHEDULE

RATE SCHEDULE	12 MOS ENDED 12/31/2018 FORECAST KWH	OPT OUT KWH	12 MOS ENDED 12/31/2018 NET FORECAST KWH
1DF	2,951,366	0	2,951,366
1	1,570,657,381	0	1,570,657,381
1P	6,891,732	0	6,891,732
1T	1,089,029	0	1,089,029
1W	86,653	0	86,653
5	582,777,705	36,924	582,740,781
5C	5,228,272	0	5,228,272
5P	115,707,166	1,512,781	114,194,385
7	1,400,696	0	1,400,696
6C	5,228,714	0	5,228,714
6P & 6L	723,191,754	381,835,267	341,356,487
6VP	89,928,168	260,040,198	0
10	169,281,681	28,214,260	141,067,421
30	78,994,572	0	78,994,572
30T	553,910	0	553,910
42	42,758,279	0	42,758,279
NS	826,025,926	826,025,926	0
26	25,004,543	0	25,004,543
	=====	=====	=====
	4,247,757,547	1,497,665,356	2,920,204,221

* SCHEDULE NS IS ACTUAL KWH FOR THE 12 MONTHS ENDING DECEMBER 2016.

OFFICIAL COPY

Aug 15 2017

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
REFLECTS FORECASTED NET KWH SALES
12 MONTHS ENDED December 31, 2018
KWH CATEGORIZED BY CUSTOMER CLASSES AND RATES SCHEDULES

----- CUSTOMER CLASS=RESIDENTIAL -----

	12 MOS ENDED 12/31/2018 NET FORECAST KWH
RATE SCHEDULE	
1	1,570,657,381
1DF	2,951,366
1P	6,891,732
1T	1,089,029
1W	86,653
-----	-----
CLASS	1,581,676,162

----- CUSTOMER CLASS=SMALL GENERAL SERVICE & PUBLIC AUTHORITY -----

	12 MOS ENDED 12/31/2018 NET FORECAST KWH
RATE SCHEDULE	
30	78,994,572
42	42,758,279
5	582,740,782
5C	5,228,272
5P	114,194,385
7	1,400,696
-----	-----
CLASS	825,316,985

----- CUSTOMER CLASS=LARGE GENERAL SERVICE -----

	12 MOS ENDED 12/31/2018 NET FORECAST KWH
RATE SCHEDULE	
10	141,067,421
6C	5,228,714
6P & 6L	341,356,487
-----	-----
CLASS	487,652,622

OFFICIAL COPY

Aug 15 2017

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
REFLECTS FORECASTED NET KWH SALES
12 MONTHS ENDED December 31, 2018
KWH CATEGORIZED BY CUSTOMER CLASSES AND RATES SCHEDULES

----- CUSTOMER CLASS=6VP -----

	12 MOS ENDED 12/31/2018
RATE SCHEDULE	NET FORECAST KWH
6VP	0

----- CUSTOMER CLASS=NS -----

	12 MOS ENDED 12/31/2018
RATE SCHEDULE	NET FORECAST KWH
NS	0

----- CUSTOMER CLASS=OUTDOOR LIGHTING -----

	12 MOS ENDED 12/31/2018
RATE SCHEDULE	NET FORECAST KWH
26	25,004,543

----- CUSTOMER CLASS=TRAFFIC LIGHTING -----

	12 MOS ENDED 12/31/2018
RATE SCHEDULE	NET FORECAST KWH
30T	553,910
	=====
	2,920,204,222

OFFICIAL COPY

Aug 15 2017

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER C
ALLOCATION OF NC JURISDICTIONAL REVENUE REQUIREMENT
TO THE CUSTOMER CLASSES AND CALCULATION OF RIDER C CUSTOMER CLASS RATES
REFLECTS FORECASTED NET KWH SALES

CUSTOMER CLASS	CUST CLASS ALLOCATED REVENUE REQ(1)	12 MOS ENDED 12/31/2017 NET FORECAST KWH	CUSTOMER CLASS RATE W/OUT REG FEE	CUSTOMER CLASS RATE WITH REG FEE
RESIDENTIAL	\$1,791,897	1,581,676,162	\$0.00113	\$0.00113
SMALL GENERAL SERVICE & PUBLIC AUTHORITY	\$1,203,229	825,316,985	\$0.00146	\$0.00146
LARGE GENERAL SERVICE	\$547,343	487,652,622	\$0.00112	\$0.00112
GVP	\$0	0	0	0
NS	\$0	0	0	0
OUTDOOR LIGHTING	\$0	25,004,543	\$0.00000	\$0.00000
TRAFFIC LIGHTING	\$0	553,910	\$0.00000	\$0.00000
	=====	=====		
	\$3,542,469	2,920,204,222		

(1) FROM MLL SCHEDULE 3 PAGE 4

**VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RATES SCHEDULES BY CUSTOMER CLASS
(RIDER C RATES INCLUDE NORTH CAROLINA REGULATORY FEE)**

CUSTOMER CLASS	RATE SCHEDULE	RIDER C RATE
RESIDENTIAL	1	\$ 0.00113
	1DF	\$ 0.00113
	1P	\$ 0.00113
	1T	\$ 0.00113
	1W	\$ 0.00113
SMALL GENERAL SERVICE & PUBLIC AUTHORITY	30	\$ 0.00146
	42	\$ 0.00146
	5	\$ 0.00146
	5C	\$ 0.00146
	5P	\$ 0.00146
	7	\$ 0.00146
LARGE GENERAL SERVICE	10	\$ 0.00112
	6C	\$ 0.00112
	6P	\$ 0.00112
	6L	\$ 0.00112
6VP	6VP	\$ -
NS	NS	\$ -
OUTDOOR LIGHTING	26	\$ -
TRAFFIC LIGHTING	30T	\$ -

**VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
OPT-OUT NON-RESIDENTIAL CUSTOMERS**

Month	Year	Total Monthly KWH
January	2016	125,846,252
February	2016	126,146,718
March	2016	122,848,517
April	2016	123,798,729
May	2016	142,869,966
June	2016	133,435,673
July	2016	128,011,420
August	2016	130,783,815
September	2016	109,147,359
October	2016	124,541,035
November	2016	118,267,296
December	2016	111,968,576
TOTAL		1,497,665,356

Virginia Electric and Power Company

RIDER C

DEMAND SIDE MANAGEMENT/ENERGY EFFICIENCY RIDER

The following Dominion Energy North Carolina filed Rate Schedules shall be increased by the applicable cents per kilowatt-hour charge.

Rate Schedule	Cents per kWh Charge
Schedule 1	0.113 ¢/kWh
Schedule 1DF	0.113 ¢/kWh
Schedule 1P	0.113 ¢/kWh
Schedule 1T	0.113 ¢/kWh
Schedule 1W	0.113 ¢/kWh
Schedule 5	0.146 ¢/kWh
Schedule 5C	0.146 ¢/kWh
Schedule 5P	0.146 ¢/kWh
Schedule 6C	0.112 ¢/kWh
Schedule 6L	0.112 ¢/kWh
Schedule 6P	0.112 ¢/kWh
Schedule 6VP	0.000 ¢/kWh
Schedule 7	0.146 ¢/kWh
Schedule NS	0.000 ¢/kWh
Schedule 10	0.112 ¢/kWh
Schedule 26	0.000 ¢/kWh
Schedule 30	0.146 ¢/kWh
Schedule 30T	0.000 ¢/kWh
Schedule 42	0.146 ¢/kWh

Filed 08-15-17
Electric-North Carolina

Superseding Filing Effective For Usage On
and After 01-01-17. This Filing Effective
For Usage On and After 01-01-18.

OFFICIAL COPY

Aug 15 2017

VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RIDER CE
ALLOCATION OF NC JURISDICTIONAL REVENUE REQUIREMENT
TO THE CUSTOMER CLASSES AND CALCULATION OF RIDER CE CUSTOMER CLASS RATES
REFLECTS FORECASTED NET KWH SALES

CUSTOMER CLASS	CUST CLASS ALLOCATED REVENUE REQ(1)	12 MOS ENDED 12/31/2017 NET FORECAST KWH	CUSTOMER CLASS RATE W/OUT REG FEE	CUSTOMER CLASS RATE WITH REG FEE
RESIDENTIAL	\$104,662	1,581,676,162	\$0.00007	\$0.00007
SMALL GENERAL SERVICE & PUBLIC AUTHORITY	\$67,200	825,316,985	\$0.00008	\$0.00008
LARGE GENERAL SERVICE	\$30,569	487,652,622	\$0.00006	\$0.00006
6VP	\$0	0	0	0
NS	\$0	0	0	0
OUTDOOR LIGHTING	\$0	25,004,543	\$0.00000	\$0.00000
TRAFFIC LIGHTING	\$0	553,910	\$0.00000	\$0.00000
	=====	=====		
	\$202,430	2,920,204,222		

(1) FROM MLL SCHEDULE 3 PAGE 2

**VIRGINIA ELECTRIC AND POWER COMPANY
DOMINION ENERGY NORTH CAROLINA
RATES SCHEDULES BY CUSTOMER CLASS
(RIDER CE RATES INCLUDE NORTH CAROLINA REGULATORY FEE)**

CUSTOMER CLASS	RATE SCHEDULE	RIDER CE RATE
RESIDENTIAL	1	\$ 0.00007
	1DF	\$ 0.00007
	1P	\$ 0.00007
	1T	\$ 0.00007
	1W	\$ 0.00007
SMALL GENERAL SERVICE & PUBLIC AUTHORITY	30	\$ 0.00008
	42	\$ 0.00008
	5	\$ 0.00008
	5C	\$ 0.00008
	5P	\$ 0.00008
LARGE GENERAL SERVICE	10	\$ 0.00006
	6C	\$ 0.00006
	6P	\$ 0.00006
	6L	\$ 0.00006
6VP	6VP	\$ -
NS	NS	\$ -
OUTDOOR LIGHTING	26	\$ -
TRAFFIC LIGHTING	30T	\$ -

RIDER CE
DSM/EE EXPERIENCE MODIFICATION FACTOR
(DSM/EE EMF)

The following Dominion Energy North Carolina filed Rate Schedules shall be increased by the applicable cents per kilowatt-hour charge.

Rate Schedule	Cents per kWh Charge
Schedule 1	0.007 ¢/kWh
Schedule 1DF	0.007 ¢/kWh
Schedule 1P	0.007 ¢/kWh
Schedule 1T	0.007 ¢/kWh
Schedule 1W	0.007 ¢/kWh
Schedule 5	0.008 ¢/kWh
Schedule 5C	0.008 ¢/kWh
Schedule 5P	0.008 ¢/kWh
Schedule 6C	0.006 ¢/kWh
Schedule 6L	0.006 ¢/kWh
Schedule 6P	0.006 ¢/kWh
Schedule 6VP	0.000 ¢/kWh
Schedule 7	0.008 ¢/kWh
Schedule NS	0.000 ¢/kWh
Schedule 10	0.006 ¢/kWh
Schedule 26	0.000 ¢/kWh
Schedule 30	0.008 ¢/kWh
Schedule 30T	0.000 ¢/kWh
Schedule 42	0.008 ¢/kWh

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL LOW INCOME PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	1,252,951	\$79,688	\$0.06360
2	2016	2	1,501,060	\$95,469	\$0.06360
3	2016	3	1,536,581	\$97,686	\$0.06357
4	2016	4	1,020,564	\$64,902	\$0.06359
5	2016	5	786,423	\$50,008	\$0.06359
6	2016	6	1,250,732	\$95,406	\$0.07628
7	2016	7	1,278,244	\$97,496	\$0.07627
8	2016	8	1,703,652	\$129,937	\$0.07627
9	2016	9	1,394,097	\$106,311	\$0.07626
10	2016	10	960,882	\$61,078	\$0.06356
11	2016	11	921,017	\$68,553	\$0.07443
12	2016	12	1,408,390	\$104,808	\$0.07442

*Base Revenue reflects Schedule 1 and 1P, non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 6 on pages 2 to 3 in Columns (C) & (D) of each residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL LOW INCOME PROGRAM**RATE SCHEDULE - 1**

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,251,315	\$79,599	\$0.06361
2	2016	2	1,499,104	\$95,378	\$0.06362
3	2016	3	1,534,774	\$97,598	\$0.06359
4	2016	4	1,019,221	\$64,833	\$0.06361
5	2016	5	785,469	\$49,953	\$0.06360
6	2016	6	1,249,282	\$95,310	\$0.07629
7	2016	7	1,276,258	\$97,381	\$0.07630
8	2016	8	1,701,709	\$129,836	\$0.07630
9	2016	9	1,391,851	\$106,189	\$0.07629
10	2016	10	959,516	\$61,006	\$0.06358
11	2016	11	920,046	\$68,487	\$0.07444
12	2016	12	1,406,625	\$104,715	\$0.07444

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL LOW INCOME PROGRAM

RATE SCHEDULE - 1P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,636	\$89	\$0.05440
2	2016	2	1,956	\$91	\$0.04652
3	2016	3	1,807	\$88	\$0.04870
4	2016	4	1,343	\$69	\$0.05138
5	2016	5	954	\$55	\$0.05765
6	2016	6	1,450	\$96	\$0.06621
7	2016	7	1,986	\$115	\$0.05791
8	2016	8	1,943	\$101	\$0.05198
9	2016	9	2,246	\$122	\$0.05432
10	2016	10	1,366	\$72	\$0.05271
11	2016	11	971	\$66	\$0.06797
12	2016	12	1,765	\$93	\$0.05269

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL HEAT PUMP TUNE UP PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	3,215,552	\$203,398	\$0.06325
2	2016	2	3,963,705	\$250,558	\$0.06321
3	2016	3	2,806,849	\$177,548	\$0.06326
4	2016	4	2,605,818	\$164,957	\$0.06330
5	2016	5	2,671,072	\$169,106	\$0.06331
6	2016	6	4,869,955	\$369,735	\$0.07592
7	2016	7	6,393,810	\$485,089	\$0.07587
8	2016	8	7,319,528	\$555,350	\$0.07587
9	2016	9	5,980,044	\$453,776	\$0.07588
10	2016	10	3,779,124	\$239,035	\$0.06325
11	2016	11	2,088,977	\$154,719	\$0.07406
12	2016	12	3,032,645	\$224,422	\$0.07400

*Base Revenue reflects Schedule 1, 1P, and 1T non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 7 on pages 2 to 4 in Columns (C) & (D) of each residential rate table.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL HEAT PUMP TUNE UP PROGRAM

RATE SCHEDULE - 1

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	3,193,358	\$202,020	\$0.06326
2	2016	2	3,941,013	\$249,329	\$0.06327
3	2016	3	2,791,795	\$176,684	\$0.06329
4	2016	4	2,588,045	\$163,854	\$0.06331
5	2016	5	2,648,074	\$167,737	\$0.06334
6	2016	6	4,827,083	\$366,765	\$0.07598
7	2016	7	6,347,779	\$482,141	\$0.07595
8	2016	8	7,260,917	\$551,502	\$0.07595
9	2016	9	5,931,378	\$450,609	\$0.07597
10	2016	10	3,748,564	\$237,312	\$0.06331
11	2016	11	2,074,943	\$153,677	\$0.07406
12	2016	12	3,007,686	\$222,742	\$0.07406

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL HEAT PUMP TUNE UP PROGRAM

RATE SCHEDULE - 1P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	14,233	\$915	\$0.06429
2	2016	2	14,884	\$780	\$0.05241
3	2016	3	10,516	\$591	\$0.05620
4	2016	4	12,029	\$748	\$0.06218
5	2016	5	14,972	\$869	\$0.05804
6	2016	6	27,354	\$1,844	\$0.06741
7	2016	7	30,501	\$1,832	\$0.06006
8	2016	8	38,300	\$2,324	\$0.06068
9	2016	9	33,418	\$2,030	\$0.06075
10	2016	10	20,439	\$1,074	\$0.05255
11	2016	11	9,053	\$702	\$0.07754
12	2016	12	17,159	\$1,154	\$0.06725

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL HEAT PUMP TUNE UP PROGRAM

RATE SCHEDULE - 1T

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	7,961	\$463	\$0.05816
2	2016	2	7,808	\$449	\$0.05751
3	2016	3	4,538	\$273	\$0.06016
4	2016	4	5,744	\$355	\$0.06180
5	2016	5	8,026	\$500	\$0.06230
6	2016	6	15,518	\$1,126	\$0.07256
7	2016	7	15,530	\$1,116	\$0.07186
8	2016	8	20,311	\$1,524	\$0.07503
9	2016	9	15,248	\$1,137	\$0.07457
10	2016	10	10,121	\$649	\$0.06412
11	2016	11	4,981	\$340	\$0.06826
12	2016	12	7,800	\$526	\$0.06744

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL HEAT PUMP UPGRADE PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	1,240,848	\$78,494	\$0.06326
2	2016	2	1,538,910	\$97,384	\$0.06328
3	2016	3	1,093,397	\$69,193	\$0.06328
4	2016	4	1,035,936	\$65,592	\$0.06332
5	2016	5	1,098,301	\$69,553	\$0.06333
6	2016	6	1,928,442	\$146,504	\$0.07597
7	2016	7	2,474,390	\$187,871	\$0.07593
8	2016	8	2,777,182	\$210,879	\$0.07593
9	2016	9	2,299,371	\$174,650	\$0.07596
10	2016	10	1,512,720	\$95,767	\$0.06331
11	2016	11	834,686	\$61,855	\$0.07411
12	2016	12	1,161,787	\$86,016	\$0.07404

*Base Revenue reflects Schedule 1 and 1P non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 8 on pages 2 to 3 in Columns (C) & (D) of each residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL HEAT PUMP UPGRADE PROGRAM

RATE SCHEDULE - 1

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,239,560	\$78,402	\$0.06325
2	2016	2	1,537,585	\$97,261	\$0.06326
3	2016	3	1,092,559	\$69,127	\$0.06327
4	2016	4	1,035,062	\$65,528	\$0.06331
5	2016	5	1,096,329	\$69,447	\$0.06335
6	2016	6	1,924,783	\$146,269	\$0.07599
7	2016	7	2,470,021	\$187,595	\$0.07595
8	2016	8	2,771,757	\$210,533	\$0.07596
9	2016	9	2,295,555	\$174,398	\$0.07597
10	2016	10	1,511,043	\$95,685	\$0.06332
11	2016	11	833,525	\$61,745	\$0.07408
12	2016	12	1,160,827	\$85,922	\$0.07402

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL HEAT PUMP UPGRADE PROGRAM

RATE SCHEDULE - 1P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,288	\$92	\$0.07143
2	2016	2	1,325	\$123	\$0.09283
3	2016	3	838	\$66	\$0.07876
4	2016	4	874	\$64	\$0.07323
5	2016	5	1,972	\$106	\$0.05375
6	2016	6	3,659	\$235	\$0.06423
7	2016	7	4,369	\$276	\$0.06317
8	2016	8	5,425	\$346	\$0.06378
9	2016	9	3,816	\$252	\$0.06604
10	2016	10	1,677	\$82	\$0.04890
11	2016	11	1,161	\$110	\$0.09475
12	2016	12	960	\$94	\$0.09792

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL DUCT TESTING & SEALING PROGRAM

RATE SCHEDULE - 1

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	357,105	\$22,562	\$0.06318
2	2016	2	413,564	\$26,125	\$0.06317
3	2016	3	293,075	\$18,523	\$0.06320
4	2016	4	318,132	\$20,112	\$0.06322
5	2016	5	367,723	\$23,230	\$0.06317
6	2016	6	695,745	\$52,729	\$0.07579
7	2016	7	918,287	\$69,562	\$0.07575
8	2016	8	1,012,998	\$76,763	\$0.07578
9	2016	9	880,771	\$66,741	\$0.07578
10	2016	10	581,707	\$36,729	\$0.06314
11	2016	11	262,962	\$19,422	\$0.07386
12	2016	12	333,948	\$24,688	\$0.07393

*All participants were served under Schedule 1, therefore Base Revenue reflects Rate Schedule 1 non-fuel revenues excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL HOME ENERGY CHECK UP PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	1,491,984	\$94,521	\$0.06335
2	2016	2	1,820,696	\$115,352	\$0.06336
3	2016	3	1,296,619	\$82,257	\$0.06344
4	2016	4	1,034,264	\$65,704	\$0.06353
5	2016	5	880,797	\$55,944	\$0.06352
6	2016	6	1,356,850	\$103,250	\$0.07610
7	2016	7	1,679,610	\$127,599	\$0.07597
8	2016	8	1,927,770	\$146,357	\$0.07592
9	2016	9	1,582,359	\$120,209	\$0.07597
10	2016	10	1,116,596	\$70,740	\$0.06335
11	2016	11	920,505	\$68,281	\$0.07418
12	2016	12	1,341,722	\$99,406	\$0.07409

*Base Revenue reflects Schedule 1, 1P, and 1T non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 10 on pages 2 to 4 in Columns (C) & (D) of each residential rate table.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL HOME ENERGY CHECK UP PROGRAM

RATE SCHEDULE - 1

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,476,199	\$93,692	\$0.06347
2	2016	2	1,804,480	\$114,549	\$0.06348
3	2016	3	1,283,601	\$81,499	\$0.06349
4	2016	4	1,022,691	\$64,935	\$0.06349
5	2016	5	872,534	\$55,368	\$0.06346
6	2016	6	1,342,983	\$102,225	\$0.07612
7	2016	7	1,662,718	\$126,468	\$0.07606
8	2016	8	1,905,352	\$144,997	\$0.07610
9	2016	9	1,566,604	\$119,176	\$0.07607
10	2016	10	1,105,798	\$70,090	\$0.06338
11	2016	11	910,660	\$67,627	\$0.07426
12	2016	12	1,321,352	\$98,198	\$0.07432

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL HOME ENERGY CHECK UP PROGRAM

RATE SCHEDULE - 1P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	15,091	\$786	\$0.05208
2	2016	2	15,204	\$738	\$0.04854
3	2016	3	12,325	\$714	\$0.05793
4	2016	4	10,990	\$732	\$0.06661
5	2016	5	7,673	\$538	\$0.07012
6	2016	6	13,173	\$966	\$0.07333
7	2016	7	15,791	\$1,031	\$0.06529
8	2016	8	21,101	\$1,249	\$0.05919
9	2016	9	14,687	\$937	\$0.06380
10	2016	10	10,237	\$613	\$0.05988
11	2016	11	9,268	\$612	\$0.06603
12	2016	12	19,582	\$1,151	\$0.05878

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL HOME ENERGY CHECK UP PROGRAM

RATE SCHEDULE - 1T

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	694	\$43	\$0.06196
2	2016	2	1,012	\$65	\$0.06423
3	2016	3	693	\$44	\$0.06349
4	2016	4	583	\$37	\$0.06346
5	2016	5	590	\$38	\$0.06441
6	2016	6	694	\$59	\$0.08501
7	2016	7	1,101	\$100	\$0.09083
8	2016	8	1,317	\$111	\$0.08428
9	2016	9	1,068	\$96	\$0.08989
10	2016	10	561	\$37	\$0.06595
11	2016	11	577	\$42	\$0.07279
12	2016	12	788	\$57	\$0.07234

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL INCOME AND AGE QUALIFYING HOME IMPROVEMENT

RATE SCHEDULE - 1

Line Number	Year (A)	Month (B)	Sum of kWh (C)	Sum of Base Revenue* (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	100,324	\$6,386	\$0.06365
2	2016	2	129,479	\$8,242	\$0.06366
3	2016	3	197,817	\$12,556	\$0.06347
4	2016	4	96,026	\$6,110	\$0.06363
5	2016	5	82,068	\$5,207	\$0.06345
6	2016	6	158,077	\$12,039	\$0.07616
7	2016	7	142,423	\$10,853	\$0.07620
8	2016	8	192,662	\$14,692	\$0.07626
9	2016	9	151,517	\$11,552	\$0.07624
10	2016	10	104,469	\$6,635	\$0.06351
11	2016	11	125,885	\$9,362	\$0.07437
12	2016	12	180,565	\$13,430	\$0.07438

*All participants were served under Schedule 1, therefore Base Revenue reflects Rate Schedule 1 non-fuel revenues excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL LIGHTING PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	112,819,294	\$7,167,248	\$0.06353
2	2016	2	138,319,404	\$8,785,040	\$0.06351
3	2016	3	116,991,861	\$7,434,407	\$0.06355
4	2016	4	91,802,763	\$5,833,884	\$0.06355
5	2016	5	80,947,031	\$5,143,701	\$0.06354
6	2016	6	131,156,782	\$9,994,058	\$0.07620
7	2016	7	147,738,814	\$11,250,533	\$0.07615
8	2016	8	197,054,822	\$15,009,330	\$0.07617
9	2016	9	152,054,272	\$11,581,569	\$0.07617
10	2016	10	107,830,169	\$6,846,854	\$0.06350
11	2016	11	81,487,679	\$6,060,915	\$0.07438
12	2016	12	127,019,167	\$9,445,055	\$0.07436

*Base Revenue reflects Schedule 1, 1P, and 1T non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 11 on pages 2 to 4 in Columns (C) & (D) of each residential rate table.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

RESIDENTIAL LIGHTING PROGRAM

RATE SCHEDULE - 1

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	112,268,170	\$7,137,432	\$0.06357
2	2016	2	137,658,167	\$8,751,922	\$0.06358
3	2016	3	116,488,978	\$7,406,670	\$0.06358
4	2016	4	91,356,076	\$5,807,923	\$0.06357
5	2016	5	80,574,515	\$5,121,380	\$0.06356
6	2016	6	130,448,600	\$9,947,002	\$0.07625
7	2016	7	146,888,323	\$11,198,688	\$0.07624
8	2016	8	196,018,487	\$14,946,636	\$0.07625
9	2016	9	151,225,059	\$11,530,738	\$0.07625
10	2016	10	107,258,856	\$6,816,376	\$0.06355
11	2016	11	81,077,230	\$6,033,529	\$0.07442
12	2016	12	126,371,612	\$9,405,162	\$0.07442

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL LIGHTING PROGRAM

RATE SCHEDULE - 1P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	469,558	\$25,067	\$0.05338
2	2016	2	561,634	\$27,198	\$0.04843
3	2016	3	415,799	\$22,621	\$0.05440
4	2016	4	378,245	\$21,916	\$0.05794
5	2016	5	306,185	\$18,239	\$0.05957
6	2016	6	597,058	\$39,087	\$0.06547
7	2016	7	726,175	\$42,641	\$0.05872
8	2016	8	871,104	\$50,424	\$0.05789
9	2016	9	711,575	\$42,122	\$0.05920
10	2016	10	480,281	\$24,888	\$0.05182
11	2016	11	357,162	\$23,606	\$0.06609
12	2016	12	554,068	\$33,552	\$0.06056

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

RESIDENTIAL LIGHTING PROGRAM

RATE SCHEDULE - 1T

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	81,566	\$4,749	\$0.05822
2	2016	2	99,603	\$5,920	\$0.05944
3	2016	3	87,084	\$5,116	\$0.05875
4	2016	4	68,442	\$4,045	\$0.05910
5	2016	5	66,331	\$4,082	\$0.06154
6	2016	6	111,124	\$7,969	\$0.07171
7	2016	7	124,316	\$9,204	\$0.07404
8	2016	8	165,231	\$12,270	\$0.07426
9	2016	9	117,638	\$8,709	\$0.07403
10	2016	10	91,032	\$5,590	\$0.06141
11	2016	11	53,287	\$3,780	\$0.07094
12	2016	12	93,487	\$6,341	\$0.06783

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

COMMERCIAL HVAC UPGRADE PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	579,956	\$65,503	\$0.11294
2	2016	2	791,748	\$56,329	\$0.07115
3	2016	3	583,337	\$47,111	\$0.08076
4	2016	4	553,586	\$45,080	\$0.08143
5	2016	5	453,557	\$41,518	\$0.09154
6	2016	6	431,876	\$40,042	\$0.09272
7	2016	7	505,414	\$45,083	\$0.08920
8	2016	8	632,167	\$47,831	\$0.07566
9	2016	9	868,197	\$56,746	\$0.06536
10	2016	10	715,942	\$50,233	\$0.07016
11	2016	11	614,886	\$53,193	\$0.08651
12	2016	12	753,714	\$72,195	\$0.09579

* Base Revenue reflects Rate Schedules 5, 6P, and 30 non-fuel revenues, excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 13 on pages 2 to 4 in Columns (C) & (D) of each non residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL HVAC UPGRADE PROGRAM

RATE SCHEDULE - 30

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	24,576	\$1,303	\$0.05302
2	2016	2	27,648	\$1,450	\$0.05245
3	2016	3	30,912	\$1,662	\$0.05377
4	2016	4	22,656	\$1,363	\$0.06016
5	2016	5	27,072	\$1,633	\$0.06032
6	2016	6	33,216	\$1,987	\$0.05982
7	2016	7	42,624	\$2,673	\$0.06271
8	2016	8	55,872	\$3,679	\$0.06585
9	2016	9	44,352	\$2,922	\$0.06588
10	2016	10	32,832	\$1,954	\$0.05952
11	2016	11	29,376	\$1,851	\$0.06301
12	2016	12	25,344	\$1,589	\$0.06270

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL HVAC UPGRADE PROGRAM

RATE SCHEDULE - 5

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	12,880	\$705	\$0.05474
2	2016	2	11,600	\$656	\$0.05655
3	2016	3	10,800	\$616	\$0.05704
4	2016	4	7,680	\$465	\$0.06055
5	2016	5	7,360	\$447	\$0.06073
6	2016	6	10,160	\$644	\$0.06339
7	2016	7	13,040	\$802	\$0.06150
8	2016	8	11,920	\$746	\$0.06258
9	2016	9	12,720	\$777	\$0.06108
10	2016	10	9,360	\$542	\$0.05791
11	2016	11	9,760	\$627	\$0.06424
12	2016	12	9,120	\$622	\$0.06820

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL HVAC UPGRADE PROGRAM

RATE SCHEDULE - 6P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	542,500	\$63,495	\$0.11704
2	2016	2	752,500	\$54,223	\$0.07206
3	2016	3	541,625	\$44,833	\$0.08277
4	2016	4	523,250	\$43,252	\$0.08266
5	2016	5	419,125	\$39,438	\$0.09410
6	2016	6	388,500	\$37,411	\$0.09630
7	2016	7	449,750	\$41,608	\$0.09251
8	2016	8	564,375	\$43,406	\$0.07691
9	2016	9	811,125	\$53,047	\$0.06540
10	2016	10	673,750	\$47,737	\$0.07085
11	2016	11	575,750	\$50,715	\$0.08809
12	2016	12	719,250	\$69,984	\$0.09730

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL LIGHTING PROGRAM**SUMMARY**

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	1,484,919	\$121,053	\$0.08152
2	2016	2	2,159,880	\$144,107	\$0.06672
3	2016	3	2,365,250	\$159,847	\$0.06758
4	2016	4	1,952,125	\$126,636	\$0.06487
5	2016	5	1,812,890	\$122,150	\$0.06738
6	2016	6	1,970,307	\$130,269	\$0.06612
7	2016	7	2,185,919	\$147,837	\$0.06763
8	2016	8	2,409,623	\$180,886	\$0.07507
9	2016	9	2,673,690	\$185,801	\$0.06949
10	2016	10	2,293,356	\$138,995	\$0.06061
11	2016	11	2,095,410	\$154,229	\$0.07360
12	2016	12	2,210,630	\$169,259	\$0.07657

* Base Revenue reflects Rate Schedules 5, 5P, 6P, 10, 30, and 42 non-fuel revenues, excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 14 on pages 2 to 7 in Columns (C) & (D) of each non residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL LIGHTING PROGRAM

RATE SCHEDULE - 10

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	398,142	\$24,270	\$0.06096
2	2016	2	441,514	\$22,083	\$0.05002
3	2016	3	479,784	\$19,183	\$0.03998
4	2016	4	467,798	\$17,145	\$0.03665
5	2016	5	461,505	\$15,176	\$0.03288
6	2016	6	519,155	\$16,837	\$0.03243
7	2016	7	554,955	\$23,205	\$0.04181
8	2016	8	539,589	\$48,964	\$0.09074
9	2016	9	630,502	\$48,934	\$0.07761
10	2016	10	574,579	\$22,489	\$0.03914
11	2016	11	558,124	\$24,352	\$0.04363
12	2016	12	578,363	\$26,005	\$0.04496

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL LIGHTING PROGRAM

RATE SCHEDULE - 30

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	39,824	\$2,236	\$0.05615
2	2016	2	41,072	\$2,257	\$0.05495
3	2016	3	44,096	\$2,453	\$0.05563
4	2016	4	41,880	\$2,464	\$0.05883
5	2016	5	44,240	\$2,547	\$0.05757
6	2016	6	50,528	\$3,213	\$0.06359
7	2016	7	46,360	\$2,920	\$0.06299
8	2016	8	45,448	\$2,807	\$0.06176
9	2016	9	57,104	\$3,597	\$0.06299
10	2016	10	58,504	\$3,269	\$0.05588
11	2016	11	40,384	\$2,640	\$0.06537
12	2016	12	44,760	\$2,772	\$0.06193

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL LIGHTING PROGRAM

RATE SCHEDULE - 42

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	57,767	\$2,820	\$0.04882
2	2016	2	71,154	\$3,538	\$0.04972
3	2016	3	65,836	\$3,303	\$0.05017
4	2016	4	53,196	\$2,706	\$0.05087
5	2016	5	45,087	\$2,289	\$0.05077
6	2016	6	52,077	\$3,834	\$0.07362
7	2016	7	58,626	\$4,248	\$0.07246
8	2016	8	60,907	\$4,383	\$0.07196
9	2016	9	65,230	\$4,821	\$0.07391
10	2016	10	56,875	\$2,897	\$0.05094
11	2016	11	40,307	\$2,270	\$0.05632
12	2016	12	58,396	\$3,121	\$0.05345

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL

COMMERCIAL LIGHTING PROGRAM

RATE SCHEDULE - 5

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	275,823	\$15,793	\$0.05726
2	2016	2	322,099	\$17,987	\$0.05584
3	2016	3	309,063	\$17,605	\$0.05696
4	2016	4	332,866	\$18,646	\$0.05602
5	2016	5	310,517	\$17,193	\$0.05537
6	2016	6	334,098	\$20,923	\$0.06263
7	2016	7	372,325	\$22,749	\$0.06110
8	2016	8	379,942	\$23,277	\$0.06126
9	2016	9	362,213	\$22,026	\$0.06081
10	2016	10	315,673	\$17,527	\$0.05552
11	2016	11	280,066	\$18,087	\$0.06458
12	2016	12	320,515	\$19,869	\$0.06199

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL LIGHTING PROGRAM

RATE SCHEDULE - 5P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	170,863	\$12,439	\$0.07280
2	2016	2	148,291	\$11,437	\$0.07713
3	2016	3	149,596	\$11,608	\$0.07760
4	2016	4	162,135	\$12,456	\$0.07682
5	2016	5	157,916	\$12,515	\$0.07925
6	2016	6	197,199	\$14,462	\$0.07334
7	2016	7	196,403	\$14,938	\$0.07606
8	2016	8	203,362	\$15,344	\$0.07545
9	2016	9	203,266	\$14,907	\$0.07334
10	2016	10	181,725	\$13,103	\$0.07210
11	2016	11	159,779	\$13,787	\$0.08629
12	2016	12	169,096	\$13,431	\$0.07943

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

COMMERCIAL LIGHTING PROGRAM

RATE SCHEDULE - 6P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	542,500	\$63,495	\$0.11704
2	2016	2	1,135,750	\$86,805	\$0.07643
3	2016	3	1,316,875	\$105,695	\$0.08026
4	2016	4	894,250	\$73,219	\$0.08188
5	2016	5	793,625	\$72,430	\$0.09126
6	2016	6	817,250	\$71,000	\$0.08688
7	2016	7	957,250	\$79,777	\$0.08334
8	2016	8	1,180,375	\$86,111	\$0.07295
9	2016	9	1,355,375	\$91,516	\$0.06752
10	2016	10	1,106,000	\$79,710	\$0.07207
11	2016	11	1,016,750	\$93,093	\$0.09156
12	2016	12	1,039,500	\$104,061	\$0.10011

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
 AVERAGE BASE RATES FOR THE TEST PERIOD
 EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
 NORTH CAROLINA JURISDICTIONAL

NON-RESIDENTIAL ENERGY AUDIT PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	3,941,354	\$ 261,737	\$0.06641
2	2016	2	3,906,237	\$ 263,021	\$0.06733
3	2016	3	3,901,917	\$ 270,774	\$0.06940
4	2016	4	3,958,657	\$ 262,580	\$0.06633
5	2016	5	4,029,900	\$ 269,266	\$0.06682
6	2016	6	5,086,293	\$ 342,216	\$0.06728
7	2016	7	5,519,334	\$ 370,829	\$0.06719
8	2016	8	5,959,281	\$ 396,001	\$0.06645
9	2016	9	5,712,820	\$ 380,695	\$0.06664
10	2016	10	4,748,458	\$ 304,073	\$0.06404
11	2016	11	4,062,495	\$ 309,672	\$0.07623
12	2016	12	4,013,043	\$ 296,108	\$0.07379

* Base Revenue reflects Rate Schedules 5, 5P, 6P, 30, and 42 non-fuel revenues, excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 15 on pages 2 to 6 in Columns (C) & (D) of each non residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL ENERGY AUDIT PROGRAM

RATE SCHEDULE - 30

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	168,669	\$10,286	\$0.06098
2	2016	2	142,685	\$9,084	\$0.06366
3	2016	3	150,981	\$9,991	\$0.06617
4	2016	4	155,616	\$9,581	\$0.06157
5	2016	5	177,092	\$11,177	\$0.06311
6	2016	6	161,163	\$10,368	\$0.06433
7	2016	7	351,237	\$23,845	\$0.06789
8	2016	8	266,281	\$16,722	\$0.06280
9	2016	9	315,629	\$19,885	\$0.06300
10	2016	10	265,920	\$15,044	\$0.05657
11	2016	11	188,500	\$13,590	\$0.07210
12	2016	12	153,037	\$10,411	\$0.06803

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL ENERGY AUDIT PROGRAM

RATE SCHEDULE - 42

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	85,920	\$4,568	\$0.05317
2	2016	2	67,440	\$3,600	\$0.05338
3	2016	3	68,880	\$3,579	\$0.05196
4	2016	4	70,560	\$3,731	\$0.05288
5	2016	5	74,160	\$3,961	\$0.05341
6	2016	6	106,800	\$8,034	\$0.07522
7	2016	7	98,160	\$7,413	\$0.07552
8	2016	8	157,440	\$11,469	\$0.07285
9	2016	9	128,320	\$9,627	\$0.07502
10	2016	10	139,840	\$7,060	\$0.05049
11	2016	11	71,680	\$4,207	\$0.05869
12	2016	12	77,360	\$4,445	\$0.05746

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL ENERGY AUDIT PROGRAM

RATE SCHEDULE - 5

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,240,629	\$66,934	\$0.05395
2	2016	2	1,193,818	\$64,135	\$0.05372
3	2016	3	1,189,793	\$64,616	\$0.05431
4	2016	4	1,263,795	\$67,961	\$0.05378
5	2016	5	1,366,508	\$73,232	\$0.05359
6	2016	6	1,904,755	\$111,195	\$0.05838
7	2016	7	1,880,245	\$108,654	\$0.05779
8	2016	8	2,329,437	\$134,855	\$0.05789
9	2016	9	2,115,555	\$122,486	\$0.05790
10	2016	10	1,493,689	\$78,098	\$0.05229
11	2016	11	1,416,662	\$84,432	\$0.05960
12	2016	12	1,215,096	\$72,481	\$0.05965

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL ENERGY AUDIT PROGRAM

RATE SCHEDULE - 5P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,957,136	\$146,094	\$0.07465
2	2016	2	2,015,094	\$152,298	\$0.07558
3	2016	3	1,995,463	\$158,207	\$0.07928
4	2016	4	1,999,186	\$148,540	\$0.07430
5	2016	5	1,944,440	\$149,885	\$0.07708
6	2016	6	2,359,475	\$177,969	\$0.07543
7	2016	7	2,554,592	\$192,594	\$0.07539
8	2016	8	2,603,123	\$197,102	\$0.07572
9	2016	9	2,570,116	\$193,074	\$0.07512
10	2016	10	2,297,009	\$167,552	\$0.07294
11	2016	11	1,950,953	\$170,779	\$0.08754
12	2016	12	2,057,850	\$166,873	\$0.08109

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL

NON-RESIDENTIAL ENERGY AUDIT PROGRAM

RATE SCHEDULE - 6P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	489,000	\$33,855	\$0.06923
2	2016	2	487,200	\$33,904	\$0.06959
3	2016	3	496,800	\$34,381	\$0.06920
4	2016	4	469,500	\$32,767	\$0.06979
5	2016	5	467,700	\$31,011	\$0.06631
6	2016	6	554,100	\$34,650	\$0.06253
7	2016	7	635,100	\$38,323	\$0.06034
8	2016	8	603,000	\$35,853	\$0.05946
9	2016	9	583,200	\$35,623	\$0.06108
10	2016	10	552,000	\$36,319	\$0.06580
11	2016	11	434,700	\$36,664	\$0.08434
12	2016	12	509,700	\$41,898	\$0.08220

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON RESIDENTIAL DUCT TESTING & SEALING PROGRAM

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Residential Average Base Rate (E)=(D)/(C)
1	2016	1	5,391,241	\$340,753	\$0.06320
2	2016	2	5,673,340	\$355,715	\$0.06270
3	2016	3	5,392,182	\$349,090	\$0.06474
4	2016	4	5,168,540	\$327,664	\$0.06340
5	2016	5	5,219,138	\$332,899	\$0.06378
6	2016	6	6,851,847	\$451,303	\$0.06587
7	2016	7	7,397,403	\$485,938	\$0.06569
8	2016	8	8,205,673	\$530,645	\$0.06467
9	2016	9	7,820,213	\$507,661	\$0.06492
10	2016	10	6,328,982	\$386,214	\$0.06102
11	2016	11	5,268,739	\$379,590	\$0.07205
12	2016	12	5,570,328	\$386,571	\$0.06940

* Base Revenue reflects Rate Schedules 5, 5P, 6P, 30 and 42 non-fuel revenues, excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 16 on pages 2 to 6 in Columns (C) & (D) of each non residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON RESIDENTIAL DUCT TESTING & SEALING PROGRAM

RATE SCHEDULE - 30

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	625,044	\$36,093	\$0.05774
2	2016	2	699,636	\$39,799	\$0.05689
3	2016	3	653,001	\$38,329	\$0.05870
4	2016	4	558,922	\$33,166	\$0.05934
5	2016	5	648,863	\$38,048	\$0.05864
6	2016	6	729,717	\$44,822	\$0.06142
7	2016	7	949,722	\$59,926	\$0.06310
8	2016	8	896,631	\$53,175	\$0.05931
9	2016	9	1,027,149	\$62,326	\$0.06068
10	2016	10	822,072	\$45,878	\$0.05581
11	2016	11	629,670	\$41,576	\$0.06603
12	2016	12	680,724	\$43,334	\$0.06366

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON RESIDENTIAL DUCT TESTING & SEALING PROGRAM**RATE SCHEDULE - 42**

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	311,550	\$16,962	\$0.05444
2	2016	2	343,917	\$17,969	\$0.05225
3	2016	3	255,530	\$13,773	\$0.05390
4	2016	4	216,479	\$11,786	\$0.05444
5	2016	5	201,236	\$10,328	\$0.05132
6	2016	6	264,386	\$19,900	\$0.07527
7	2016	7	257,497	\$19,037	\$0.07393
8	2016	8	339,303	\$24,916	\$0.07343
9	2016	9	317,120	\$23,769	\$0.07495
10	2016	10	288,233	\$14,685	\$0.05095
11	2016	11	202,891	\$11,852	\$0.05842
12	2016	12	294,596	\$17,233	\$0.05850

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON RESIDENTIAL DUCT TESTING & SEALING PROGRAM

RATE SCHEDULE - 5

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	2,289,787	\$124,973	\$0.05458
2	2016	2	2,407,828	\$130,991	\$0.05440
3	2016	3	2,262,076	\$123,505	\$0.05460
4	2016	4	2,237,937	\$121,258	\$0.05418
5	2016	5	2,254,427	\$121,314	\$0.05381
6	2016	6	3,275,514	\$193,148	\$0.05897
7	2016	7	3,380,849	\$197,086	\$0.05829
8	2016	8	4,071,103	\$237,587	\$0.05836
9	2016	9	3,618,870	\$211,077	\$0.05833
10	2016	10	2,680,592	\$140,824	\$0.05253
11	2016	11	2,275,517	\$137,712	\$0.06052
12	2016	12	2,273,294	\$137,203	\$0.06035

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON RESIDENTIAL DUCT TESTING & SEALING PROGRAM

RATE SCHEDULE - 5P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,879,860	\$144,929	\$0.07710
2	2016	2	1,969,659	\$151,277	\$0.07680
3	2016	3	1,958,175	\$156,637	\$0.07999
4	2016	4	1,915,502	\$145,893	\$0.07616
5	2016	5	1,880,012	\$147,402	\$0.07840
6	2016	6	2,286,430	\$174,740	\$0.07642
7	2016	7	2,491,035	\$190,998	\$0.07667
8	2016	8	2,551,236	\$195,611	\$0.07667
9	2016	9	2,515,674	\$191,368	\$0.07607
10	2016	10	2,209,585	\$164,451	\$0.07443
11	2016	11	1,913,461	\$168,658	\$0.08814
12	2016	12	2,013,614	\$165,931	\$0.08240

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON RESIDENTIAL DUCT TESTING & SEALING PROGRAM

RATE SCHEDULE - 6P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	285,000	\$17,796	\$0.06244
2	2016	2	252,300	\$15,679	\$0.06214
3	2016	3	263,400	\$16,846	\$0.06396
4	2016	4	239,700	\$15,561	\$0.06492
5	2016	5	234,600	\$15,807	\$0.06738
6	2016	6	295,800	\$18,693	\$0.06319
7	2016	7	318,300	\$18,891	\$0.05935
8	2016	8	347,400	\$19,356	\$0.05572
9	2016	9	341,400	\$19,121	\$0.05601
10	2016	10	328,500	\$20,376	\$0.06203
11	2016	11	247,200	\$19,792	\$0.08006
12	2016	12	308,100	\$22,870	\$0.07423

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL HEATING & COOLING EFFICIENCY

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	338,880	\$19,563	\$0.05773
2	2016	2	279,240	\$16,233	\$0.05813
3	2016	3	282,933	\$17,088	\$0.06040
4	2016	4	295,881	\$16,815	\$0.05683
5	2016	5	311,121	\$18,244	\$0.05864
6	2016	6	445,324	\$29,188	\$0.06554
7	2016	7	421,868	\$27,160	\$0.06438
8	2016	8	672,358	\$42,519	\$0.06324
9	2016	9	533,675	\$34,316	\$0.06430
10	2016	10	451,350	\$24,514	\$0.05431
11	2016	11	250,979	\$16,100	\$0.06415
12	2016	12	299,842	\$19,139	\$0.06383

* Base Revenue reflects Rate Schedules 5, 30, and 42 non-fuel revenues, excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 17 on pages 2 to 4 in Columns (C) & (D) of each non residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL HEATING & COOLING EFFICIENCY

RATE SCHEDULE - 30

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	110,349	\$6,674	\$0.06048
2	2016	2	93,005	\$5,788	\$0.06223
3	2016	3	99,141	\$6,533	\$0.06590
4	2016	4	104,496	\$6,267	\$0.05997
5	2016	5	117,332	\$7,206	\$0.06142
6	2016	6	161,163	\$10,368	\$0.06433
7	2016	7	168,357	\$10,372	\$0.06161
8	2016	8	166,201	\$10,361	\$0.06234
9	2016	9	199,709	\$12,388	\$0.06203
10	2016	10	165,840	\$9,559	\$0.05764
11	2016	11	118,660	\$8,252	\$0.06954
12	2016	12	98,317	\$6,528	\$0.06640

*Base Revenue reflects the applicable rate schedules non-fuel revenues ,
excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B
fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL HEATING & COOLING EFFICIENCY

RATE SCHEDULE - 42

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	85,920	\$4,568	\$0.05317
2	2016	2	67,440	\$3,600	\$0.05338
3	2016	3	68,880	\$3,579	\$0.05196
4	2016	4	70,560	\$3,731	\$0.05288
5	2016	5	74,160	\$3,961	\$0.05341
6	2016	6	106,800	\$8,034	\$0.07522
7	2016	7	98,160	\$7,413	\$0.07552
8	2016	8	157,440	\$11,469	\$0.07285
9	2016	9	128,320	\$9,627	\$0.07502
10	2016	10	139,840	\$7,060	\$0.05049
11	2016	11	71,680	\$4,207	\$0.05869
12	2016	12	77,360	\$4,445	\$0.05746

*Base Revenue reflects the applicable rate schedules non-fuel revenues ,
excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel
rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL HEATING & COOLING EFFICIENCY

RATE SCHEDULE - 5

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	142,611	\$8,321	\$0.05835
2	2016	2	118,795	\$6,845	\$0.05762
3	2016	3	114,912	\$6,976	\$0.06071
4	2016	4	120,825	\$6,817	\$0.05642
5	2016	5	119,629	\$7,077	\$0.05916
6	2016	6	177,361	\$10,786	\$0.06081
7	2016	7	155,351	\$9,375	\$0.06035
8	2016	8	348,717	\$20,689	\$0.05933
9	2016	9	205,646	\$12,301	\$0.05982
10	2016	10	145,670	\$7,895	\$0.05420
11	2016	11	60,639	\$3,641	\$0.06004
12	2016	12	124,165	\$8,166	\$0.06577

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL LIGHTING SYSTEMS AND CONTROLS

SUMMARY

Line Number	Year (A)	Month (B)	Sum of kWh** (C)	Sum of Base* Revenue** (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	1,873,926	\$156,763	\$0.08365
2	2016	2	2,041,803	\$145,178	\$0.07110
3	2016	3	1,738,073	\$130,628	\$0.07516
4	2016	4	1,828,799	\$133,332	\$0.07291
5	2016	5	1,550,157	\$118,981	\$0.07675
6	2016	6	1,811,682	\$141,746	\$0.07824
7	2016	7	2,002,645	\$153,136	\$0.07647
8	2016	8	2,182,884	\$160,213	\$0.07340
9	2016	9	2,358,466	\$162,841	\$0.06905
10	2016	10	1,963,503	\$133,837	\$0.06816
11	2016	11	1,588,251	\$129,099	\$0.08128
12	2016	12	1,992,754	\$164,892	\$0.08275

* Base Revenue reflects Rate Schedules 5, 5P, 6P, and 42 non-fuel revenues, excluding the Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

** Columns (C) & (D) are the sum of the kWh and the base revenue shown in Schedule 18 on pages 2 to 5 in Columns (C) & (D) of each non residential rate table.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL LIGHTING SYSTEMS AND CONTROLS

RATE SCHEDULE - 42

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	121,200	\$5,917	\$0.04882
2	2016	2	91,680	\$4,228	\$0.04612
3	2016	3	87,680	\$4,009	\$0.04572
4	2016	4	102,720	\$4,832	\$0.04704
5	2016	5	114,320	\$5,338	\$0.04669
6	2016	6	122,560	\$8,636	\$0.07046
7	2016	7	166,320	\$12,061	\$0.07252
8	2016	8	164,320	\$11,541	\$0.07023
9	2016	9	166,400	\$11,760	\$0.07067
10	2016	10	136,240	\$6,368	\$0.04674
11	2016	11	98,480	\$5,431	\$0.05515
12	2016	12	93,280	\$4,726	\$0.05066

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL LIGHTING SYSTEMS AND CONTROLS

RATE SCHEDULE - 5

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	553,538	\$32,989	\$0.05960
2	2016	2	590,998	\$35,206	\$0.05957
3	2016	3	506,805	\$30,946	\$0.06106
4	2016	4	588,552	\$35,735	\$0.06072
5	2016	5	425,069	\$24,425	\$0.05746
6	2016	6	609,325	\$39,676	\$0.06511
7	2016	7	601,243	\$37,567	\$0.06248
8	2016	8	626,454	\$39,102	\$0.06242
9	2016	9	610,911	\$38,600	\$0.06318
10	2016	10	527,028	\$30,437	\$0.05775
11	2016	11	386,689	\$25,141	\$0.06502
12	2016	12	555,663	\$36,217	\$0.06518

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL LIGHTING SYSTEMS AND CONTROLS

RATE SCHEDULE - 5P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	656,688	\$54,362	\$0.08278
2	2016	2	606,625	\$51,521	\$0.08493
3	2016	3	601,963	\$50,840	\$0.08446
4	2016	4	614,277	\$49,513	\$0.08060
5	2016	5	591,643	\$49,780	\$0.08414
6	2016	6	691,297	\$56,023	\$0.08104
7	2016	7	785,332	\$61,900	\$0.07882
8	2016	8	827,735	\$66,164	\$0.07993
9	2016	9	770,030	\$59,434	\$0.07718
10	2016	10	626,485	\$49,295	\$0.07869
11	2016	11	527,332	\$47,812	\$0.09067
12	2016	12	624,561	\$53,965	\$0.08640

*Base Revenue reflects the applicable rate schedules non-fuel revenues , excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B fuel rates.

DOCKET NO. E-22, SUB 545

**NORTH CAROLINA DEMAND SIDE MANAGEMENT
AVERAGE BASE RATES FOR THE TEST PERIOD
EXCLUDES CUSTOMER CHARGES, ALL FUEL COMPONENTS AND OPT-OUT CUSTOMERS
NORTH CAROLINA JURISDICTIONAL**

NON-RESIDENTIAL LIGHTING SYSTEMS AND CONTROLS

RATE SCHEDULE - 6P

Line Number	Year (A)	Month (B)	kWh (C)	Base Revenue* (D)	Average Base Rate (E)=(D)/(C)
1	2016	1	542,500	\$63,495	\$0.11704
2	2016	2	752,500	\$54,223	\$0.07206
3	2016	3	541,625	\$44,833	\$0.08277
4	2016	4	523,250	\$43,252	\$0.08266
5	2016	5	419,125	\$39,438	\$0.09410
6	2016	6	388,500	\$37,411	\$0.09630
7	2016	7	449,750	\$41,608	\$0.09251
8	2016	8	564,375	\$43,406	\$0.07691
9	2016	9	811,125	\$53,047	\$0.06540
10	2016	10	673,750	\$47,737	\$0.07085
11	2016	11	575,750	\$50,715	\$0.08809
12	2016	12	719,250	\$69,984	\$0.09730

*Base Revenue reflects the applicable rate schedules non-fuel revenues ,
excluding Basic Customer Charge and excludes base fuel, Rider A and Rider B
fuel rates.

Rule R8-69(f)(l)(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, 2018 through December 31, 2018, are provided in the following table:

MONTH	PROJKWH
Jan-18	416,511,981
Feb-18	338,722,473
Mar-18	315,764,318
Apr-18	334,036,464
May-18	326,413,936
Jun-18	364,114,544
Jul-18	464,485,658
Aug-18	383,640,275
Sep-18	351,526,855
Oct-18	338,994,136
Nov-18	319,557,695
Dec-18	348,057,446
TOTAL	4,301,825,781

Rule R8-69(f)(I)(vi) - Proposed DSM/EE and DSM/EE EMF riders

Rule R8-69 (0) 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

The Rate Design for DSM/EE Rider

Detailed information regarding the determination of the DSM/EE factors has been provided as a part of the attached testimony of Debra A. Stephens. The following table provides a summary of the Company's requested DSM/EE rates.

Customer Rate Class	DSM/EE Rate
Residential	0.113 ¢/kWh
Small General Service & Public Authority	0.146 ¢/kWh
Large General Service	0.112 ¢/kWh
6VP	0.000 ¢/kWh
NS	0.000 ¢/kWh
Outdoor Lighting	0.000 ¢/kWh
Traffic Lighting	0.000 ¢/kWh

The Rate Design For DSM/EE EMF Rider

Detailed information regarding the determination of the DSM/EE EMF factors has been provided as a part of the attached testimony of Debra A. Stephens. The following table provides a summary of the Company's requested DSM/EE EMF rates.

Customer Rate Class	DSM/EE EMF Rate
Residential	0.007 ¢/kWh
Small General Service & Public Authority	0.008 ¢/kWh
Large General Service	0.006 ¢/kWh
6VP	0.000 ¢/kWh
NS	0.000 ¢/kWh
Outdoor Lighting	0.000 ¢/kWh
Traffic Lighting	0.000 ¢/kWh

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

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

(vii) Projected North Carolina retail monthly kwh sales for the rate period for all industrial and large commercial accounts, in the aggregate, that are not assessed the rider charges as provided in this rule.

The Company reviewed its customer records and identified that commercial customers choosing to "opt-out" consumed 18,074,033 kWh during the 12 months ended December 31, 2016. A similar review identified industrial sales of 1,479,591,323 kWh associated with customers electing to "opt-out". 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 as provided for in Commission Rule R8-69.

Month	Year	Total Monthly KWH
January	2016	125,846,252
February	2016	126,146,718
March	2016	122,848,517
April	2016	123,798,729
May	2016	142,869,966
June	2016	133,435,673
July	2016	128,011,420
August	2016	130,783,815
September	2016	109,147,359
October	2016	124,541,035
November	2016	118,267,296
December	2016	111,968,576
TOTAL	.	1,497,665,356

Rule R8-69(f)(l)(viii) - Supporting workpapers

Rule RE-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 workpapers supporting the calculations and adjustments described above workpapers supporting calculations and adjustments have been attached to this document.

The testimony and exhibits of Debra A. Stephens are elements of this request. Information detailing the development of the Company's proposed DSM/EE and DSM/EE EMF rates are provided as a part of Ms. Stephens' testimony.

Appendix A: Non-Participating Customers

Non-Participant	Non-Participating Accounts
Consolidated Diesel	1
Domtar	1
Enviva Pellets	2
Flambeau Products Inc	1
Parkdale (Martin Mills)	1
KABA Ilco (Ilco-Unican)	1
Kapstone Kraft Paper	2
Lowe's Home Centers Inc	5
Nucor	1
Weyerhaeuser Paper	1
Hospira Inc	1