

OFFICIAL COPY

INFORMATION SHEET

PRESIDING: Chairman Finley and Commissioners Brown-Bland, Dockham, Patterson, Gray, Clodfelter and Mitchell

PLACE: Dobbs Building, Room 2115, Raleigh, NC

DATE: November 8, 2018

TIME: 9:30 a.m. – 9:39 a.m.

DOCKET NO.: E-22, Sub 558

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

DESCRIPTION: Application pursuant to G.S. 62-133.2 and NCUC Rule R8-55 Regarding Fuel and Fuel-Related Cost Adjustments for Electric Utilities.

VOLUME: 2

APPEARANCES

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

Mary Lynne Grigg, Esq.

Andrea Kells, Esq.

FOR CAROLINA INDUSTRIAL GROUP FOR FAIR UTILITY RATES:

Ralph McDonald, Esq.

FOR THE USING AND CONSUMING PUBLIC:

Lucy Edmondson, Esq., Public Staff

WITNESSES

See Attached

EXHIBITS

See Attached

COPIES ORDERED: E-mail: Grigg, Kells, and Edmondson

REPORTED BY: Kim Mitchell

TRANSCRIBED BY: Kim Mitchell

DATE TRANSCRIBED: November 19, 2018

TRANSCRIPT PAGES: 26

PREFILED PAGES: 105

TOTAL PAGES: 131

FILED

NOV 21 2018

**Clerk's Office
N.C. Utilities Commission**

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 11/8/10
DOCKET #: E-22 Sub 358
NAME OF ATTORNEY Mary Lynne Grieg
TITLE Partner
FIRM NAME McBain Woods
ADDRESS _____
CITY _____
ZIP _____

APPEARING FOR: DOMINION

APPLICANT **COMPLAINANT** _____ **INTERVENOR** _____
PROTESTANT _____ **RESPONDENT** _____ **DEFENDANT** _____

PLEASE NOTE: Electronic copies of non-confidential transcripts can be obtained from the Commission's website by accessing the following link and entering the docket number.
<https://starw1.ncuc.net/NCUC/page/Dockets/portal.aspx>

Yes, I would like an electronic copy of the transcript (s) MR JG
Email: _____
(Required for distribution)

Yes, I have signed the confidentiality agreement and would like an electronic copy of the confidential transcript(s)

SIGNATURE REQUIRED FOR DISTRIBUTION OF ALL TRANSCRIPTS.
Signature: _____

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

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 11/18/2018
DOCKET #: E22 - Sub 558
NAME OF ATTORNEY Andrea Kells
TITLE Counsel
FIRM NAME McGuire Woods
ADDRESS ~~434~~ 434 Fayetteville St. Ste 2600
CITY Raleigh NC
ZIP 27613

APPEARING FOR: Dominion

APPLICANT COMPLAINANT _____ INTERVENOR _____
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

PLEASE NOTE: Electronic copies of non-confidential transcripts can be obtained from the Commission's website by accessing the following link and entering the docket number.
<https://starw1.ncuc.net/NCUC/page/Dockets/portal.aspx>

Yes, I would like an electronic copy of the transcript (s)

Email: akells@mcguirewoods.com
(Required for distribution)

Yes, I have signed the confidentiality agreement and would like an electronic copy of the confidential transcript (s)

SIGNATURE REQUIRED FOR DISTRIBUTION OF ALL TRANSCRIPTS.

Signature: akells@mcguirewoods.com

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

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 11.8.18
DOCKET #: E-22, SUB 558
NAME OF ATTORNEY RALPH Mc DONALD
TITLE _____
FIRM NAME BAILEY & DIXON, L.L.P.
ADDRESS P.O. Box 1351
CITY Raleigh NC ~~27602~~
ZIP 27602

APPEARING FOR: _____

APPLICANT _____ COMPLAINANT _____ INTERVENOR

PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

CAROLINA INDUSTRIAL GROUP FOR FAIR UTILITY RATES (CIGFAR)

PLEASE NOTE: Electronic copies of non-confidential transcripts can be obtained from the Commission's website by accessing the following link and entering the docket number.

<https://starw1.ncuc.net/NCUC/page/Dockets/portal.aspx>

Yes, I would like an electronic copy of the transcript (s)

Email: _____
(Required for distribution)

Yes, I have signed the confidentiality agreement and would like an electronic copy of the confidential transcript (s)

SIGNATURE REQUIRED FOR DISTRIBUTION OF ALL TRANSCRIPTS.

Signature: _____

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

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 11/8/18
DOCKET #: E-22 SUB 558
NAME OF ATTORNEY CHRISTOPHER J. BLAKE
TITLE ATTORNEY
FIRM NAME NELSON MULLINS RILEY & SCARBOROUGH
ADDRESS GLENLAKE ONE, STE. 200, 4140 PARKLAKE AVE.
CITY RALEIGH, NC
ZIP 27615 919-329-3808

APPEARING FOR: NUCOR STEEL

APPLICANT _____ COMPLAINANT _____ INTERVENOR
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

PLEASE NOTE: Electronic copies of non-confidential transcripts can be obtained from the Commission's website by accessing the following link and entering the docket number.
<https://starw1.ncuc.net/NCUC/page/Dockets/portal.aspx>

Yes, I would like an electronic copy of the transcript (s)

Email: chris.blake@NELSONMULLINS.COM
(Required for distribution)

Yes, I have signed the confidentiality agreement and would like an electronic copy of the confidential transcript (s)

SIGNATURE REQUIRED FOR DISTRIBUTION OF ALL TRANSCRIPTS.

Signature: Christopher J Blake

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

NORTH CAROLINA UTILITIES COMMISSION
PUBLIC STAFF - APPEARANCE SLIP

DATE November 8, 2018 DOCKET #: E-22, Sub 558 ~~558~~

PUBLIC STAFF MEMBER Lucy E. Edmondson

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

ACCOUNTING _____

WATER _____

COMMUNICATIONS _____

ELECTRIC _____

GAS _____

TRANSPORTATION _____

ECONOMICS _____

LEGAL lucy.edmondson@psncuc.nc.gov

CONSUMER SERVICES _____

PLEASE NOTE: Electronic Copies of the regular transcript can be obtained from the NCUC web site at <https://starw1.ncuc.net/NCUC/page/Dockets/portal.aspx> under the respective docket number.

1 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!!!!**

Public Staff

Lucy E Edmondson
Signature of Public Staff Member

DENC Exhibit 1 /A

FILED

AUG 30 2018

Clerk's Office
N.C. Utilities Commission



**Dominion
Energy®**

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

**Before the North Carolina Utilities
Commission**

**In the Matter of
Application by Virginia Electric and
Power Company, d/b/a Dominion
Energy North Carolina, for Authority
to Adjust its Electric Rates and
Charges and Revise its Fuel Factor
Pursuant to N.C.G.S. § 62-133.2 and
NCUC Rule R8-55**

Docket No. E-22, Sub-558

Filed: August 30, 2018

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. E-22, SUB 558

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of
Application by Virginia Electric and Power)
Company, d/b/a Dominion Energy North) APPLICATION FOR A CHANGE
Carolina, for Authority to Adjust its Electric) IN FUEL COMPONENT OF
Rates and Charges and Revise its Fuel) ELECTRIC RATES
Factor Pursuant to N.C.G.S. § 62-133.2 and)
NCUC Rule R8-55)

Pursuant to North Carolina General Statutes (“N.C.G.S”) § 62-133.2 and Rule R8-55 of the Rules and Regulations of the North Carolina Utilities Commission (“Commission”), Virginia Electric and Power Company, d/b/a Dominion Energy North Carolina (“DENC” or the “Company”), by counsel, hereby applies to the Commission to adjust the fuel component of its electric rates to become effective February 1, 2019, and remain in effect through January 31, 2020. In support thereof, the Company respectfully demonstrates 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 operating subsidiary of Dominion Energy, Inc. DENC 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, Williamston, Elizabeth City, and the Outer Banks. The Company serves major industrial facilities like Nucor Steel, Kapstone, Enviva, and Hospira, as well as commercial and residential customers. The Company's headquarters are located at 120 Tredegar Street, Richmond, Virginia 23219. The post office address of DENC is P.O. Box 26666, Richmond, Virginia 23261.

2. The attorneys for the Company are:

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

Mary Lynne Grigg
Andrea R. Kells
McGuireWoods LLP
434 Fayetteville Street, Suite 2600
PO Box 27507 (27611)
Raleigh, North Carolina 27601
(919) 755-6573 (MLG phone)
(919) 755-6614 (ARK phone)
mgrigg@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. Pursuant to Rule R8-55(f), the Company is to file its direct testimony, exhibits, and workpapers supporting its fuel adjustment 75 days prior to the hearing. Accordingly, DENC hereby files the direct testimony, exhibits, and workpapers of the following witnesses in support of its proposed fuel adjustment: Bruce E. Petrie, Ronnie T. Campbell, Gregory A. Workman, Tom A. Brookmire, and George G. Beasley.

4. Pursuant to Rule R8-55(c), DENC's test period for this proceeding is the 12-month period ending June 30, 2018 ("Test Period").

5. Updated Rider A and Rider B will be in effect for the twelve-month period from February 1, 2019, through January 31, 2020, the proposed "Rate Period." As discussed in Company Witness Bruce E. Petrie's direct testimony, in previous years, the Company has proposed Rider A and Rider B rates to be effective for a calendar year rate period. Based on discussions with the Public Staff following the conclusion of the Company's 2017 rider proceedings, the Company is proposing for its updated fuel riders to be effective for a February 1, 2019 through January 31, 2020 Rate Period. The Company is requesting this adjustment to the annual rate period in order to extend the time for the Commission to issue orders in the Company's three annual rider proceedings filed pursuant to Commission Rules R8-55, R8-67, and R8-69, respectively, and to then allow the Company additional time to finalize rates and customer notices (including allowing reasonable time for Public Staff review) prior to the updated annual riders' effective date. The Company intends to continue to use a February 1 through January 31 rate period in future rider cases. As discussed in the direct testimony of Company Witness George G. Beasley, since the existing tariffs approved in Docket No. E-22, Sub 546 will expire on December 31, 2018, the Company is proposing interim tariffs for use during January 2019 showing Riders A and B both set to zero, and Rate Period tariffs for use during February 2019 through January 2020 with updated rates.

6. The last general rate case order for the Company was issued by the Commission on December 22, 2016, in Docket No. E-22, Sub 532 ("2016 Base Rate Case Order"). In the 2016 Base Rate Case Order, the Commission reset the Company's

system average base fuel factor applicable to the North Carolina jurisdiction to \$0.02073/kWh, including regulatory fee (\$0.02070/kWh without the fee). The Commission's last fuel adjustment proceeding order for the Company was issued on January 25, 2018, in Docket No. E-22, Sub 546 ("2017 Fuel Order"), which approved the current Rider A and Experience Modification Factor ("EMF") Rider B. The 2016 Base Rate Case Order and the Commission's order in the Company's 2016 fuel clause adjustment proceeding (Docket No. E-22, Sub 534) also set the marketer's percentage at 78% effective January 1, 2017 (to be reviewed during this proceeding or during the Company's next general rate case).

7. As explained by the direct testimony of Company Witness Petrie, consistent with the methodology applied in the Company's fuel adjustment proceedings dating back to 2008, the Company's cost of fuel calculations are based on the 12-month historical average for fuel prices incurred during the Test Period. As Company Witness Petrie explains, this methodology is a fair representation of the expected expense rates during the February 1, 2019 through January 31, 2020 Rate Period.

8. For the Test Period, the normalized system fuel expense is \$1,824,035,658, which is then divided by system sales of 85,266,747,633 kWh, which reflect the normalization adjustments for change in usage, weather, and customer growth. The result is a normalized system average fuel factor of 2.142¢/kWh, which is an increase of 0.065¢/kWh, applicable to the North Carolina jurisdiction.

9. Dominion Energy North Carolina has under-recovered its fuel costs for the Test Period by \$16,162,154. The total under-recovered fuel expense as of June 30, 2018, based on the current 78% marketer percentage, is provided in the direct testimony and

exhibits of Company Witness Ronnie T. Campbell. This fuel under-recovery was primarily driven by cold winter weather and higher commodity prices. The fuel expense created by the extended period of cold weather in January 2018 was a major factor in the amount of the EMF. The Company offset the higher market fuel prices by optimizing its diverse fleet of generating assets to reduce system fuel expense.

10. The deferral balance of \$16,162,154 is substantial. If the entire prior period recovery amount is to be recovered in the February 1, 2019 – January 31, 2020 rate period, the average prior period EMF will be \$0.00388/kWh, which results in a total full recovery fuel factor of \$0.02530/kWh. This is an increase of \$0.00582/kWh, when compared to the average total fuel factor presently in effect of \$0.01948/kWh for the North Carolina jurisdiction.

11. The Company recognizes the impact on its customers of such an increase in fuel rates. Therefore, the Company is proposing, as an alternative to a rate reflecting full recovery and should the Commission find it in the public interest, to mitigate the increase such that the Company would waive its right to recover the full deferral balance over the upcoming Rate Period in favor of recovering the deferral balance on a dollar-for-dollar basis over the next two rate periods, with a final true-up to be recovered or refunded during the rate period commencing February 1, 2022. That is, as an alternative to full recovery of the deferral during the upcoming Rate Period, the Company proposes to establish rates in this proceeding to recover 50% of the deferral balance in the upcoming Rate Period and establish rates in the 2019 fuel proceeding to recover the other 50% of the deferral balance in the February 1, 2020 – January 31, 2021 rate period. Lastly, in the 2021 fuel proceeding, the Company will establish rates to recover or refund

during the February 1, 2022 – January 31, 2023 rate period any final over or under recovery of this original deferred balance.

12. The Company is requesting that the Commission approve and implement the full recovery rates, which schedule recovery of 100% of the June 30, 2018, fuel deferral account balance of \$16,162,154 over the February 1, 2019 – January 31, 2020 Rate Period. However, should the Commission decline to approve full recovery, the Company requests that the Commission approve the mitigation alternative. If the Commission does approve the mitigation alternative, the Company will agree to ensure that its customers will see no incremental cost associated with financing the deferral balance over this extended period.

13. For both the full recovery request and the mitigation alternative, the Company calculated the EMF Rider B, applicable to the North Carolina jurisdiction and for each customer class consistent with the methodology approved in the 2017 Fuel Order. All of these calculations are addressed in the direct testimony and schedules of Company Witness Beasley.

14. The Company proposes that the total fuel rate (base fuel factor, Rider A, and EMF Rider B) for each class be set as follows, depending on the Commission's determination to approve full recovery or the mitigation alternative, effective February 1, 2019:

<u>Customer Class</u>	<u>Full Recovery</u>	<u>Mitigation Alternative</u>
Residential	\$0.02558	\$0.02363
SGS & PA	\$0.02556	\$0.02361
LGS	\$0.02536	\$0.02342
Schedule NS	\$0.02459	\$0.02271
6VP	\$0.02495	\$0.02304
Outdoor Lighting	\$0.02558	\$0.02363
Traffic	\$0.02558	\$0.02363

15. For the North Carolina jurisdiction, if full recovery is approved, the recovery increase for the February 1, 2019 through January 31, 2020 Rate Period will be \$24,301,249. If the mitigation alternative is approved, the total fuel recovery increase during the Rate Period will be \$16,200,832.

WHEREFORE, Dominion Energy North Carolina respectfully requests that the Commission: approve the proposed total fuel factor of 2.530 ¢/kWh, effective on February 1, 2019, which shall be allocated based on voltage differentiated adjustments, including the base fuel factor, Rider A, and EMF Rider B, as follows:

- (a) 2.558 ¢/kWh for the Residential class of customers,
- (b) 2.556 ¢/kWh for the Small General Service and Public Authority classes of customers,
- (c) 2.536 ¢/kWh for the Large General Service class of customers,
- (d) 2.459 ¢/kWh for the Schedule NS class of customers,
- (e) 2.495 ¢/kWh for the Schedule 6VP class of customers, and
- (f) 2.558 ¢/kWh for the Outdoor Lighting and Traffic classes of customers;

and grant any other relief the Commission deems appropriate. If the Commission does not approve the Company's full recovery request, the Company requests that the Commission approve the fuel factor rates associated with the mitigation alternative as presented in the testimony of Company Witness Beasley.

Respectfully submitted, this the 30th day of August, 2018.

DOMINION ENERGY NORTH CAROLINA

By: /s/Mary Lynne Grigg
Counsel

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

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

Mary Lynne Grigg
Andrea R. Kells
McGuireWoods LLP
434 Fayetteville Street, Suite 2600
PO Box 27507 (27611)
Raleigh, North Carolina 27601
(919) 755-6573 (MLG phone)
(919) 755-6614 (ARK phone)
mgrigg@mcguirewoods.com
akells@mcguirewoods.com

*pg. 1 of 106 pages
filed in Docket
System on
8/30/18
ictm

DENC Exhibit 2 /A

FILED

AUG 30 2018

Clerk's Office
N.C. Utilities Commission

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 558**

**RULE R8-55
INFORMATION AND WORKPAPERS
AUGUST 30, 2018**

**DOMINION ENERGY NORTH CAROLINA
 DOCKET NO. E-22, SUB 558
 EQUIVALENT AVAILABILITY FACTORS (%)
 NUCLEAR AND LARGE COAL UNITS**

July 2017-June 2018

	Nuclear Units				Large Coal Units					
	North Anna		Surry		Mt. Storm			Chesterfield		VaCity
	<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 3</u>	<u>Unit 5</u>	<u>Unit 6</u>	<u>Unit 1</u>
Jul-17	99.8%	100.0%	100.0%	100.0%	83.5%	85.6%	98.4%	99.9%	67.8%	85.5%
Aug-17	99.9%	100.0%	91.0%	100.0%	88.5%	80.0%	30.1%	99.5%	96.9%	100.0%
Sep-17	100.0%	30.1%	100.0%	100.0%	94.0%	92.5%	73.9%	13.3%	33.3%	20.0%
Oct-17	100.0%	67.8%	100.0%	100.0%	77.9%	75.9%	76.3%	15.6%	0.0%	0.0%
Nov-17	100.0%	100.0%	100.0%	100.0%	77.5%	83.1%	74.9%	40.4%	63.6%	88.3%
Dec-17	100.0%	89.0%	100.0%	100.0%	99.8%	99.7%	71.8%	35.4%	100.0%	79.0%
Jan-18	100.0%	100.0%	100.0%	98.8%	92.2%	80.1%	85.3%	98.8%	98.4%	85.6%
Feb-18	100.0%	99.4%	100.0%	100.0%	100.0%	98.1%	26.9%	100.0%	8.9%	50.9%
Mar-18	31.1%	100.0%	100.0%	100.0%	74.2%	29.0%	81.2%	77.3%	0.0%	84.5%
Apr-18	48.6%	100.0%	63.7%	100.0%	0.0%	0.0%	91.7%	0.0%	0.0%	74.4%
May-18	100.0%	100.0%	1.6%	100.0%	0.0%	21.9%	80.4%	64.7%	17.9%	70.2%
Jun-18	100.0%	100.0%	98.7%	100.0%	90.8%	91.1%	82.1%	92.4%	79.3%	53.7%
12-Month Average	89.9%	90.5%	87.9%	99.9%	73.2%	69.8%	72.8%	61.4%	47.2%	66.0%

DOMINION ENERGY NORTH CAROLINA
DOCKET NO E-22, SUB 558
NET CAPACITY FACTORS (%)
NUCLEAR AND LARGE COAL UNITS

July 2017-June 2018

	Nuclear Units				Large Coal Units					
	North Anna		Surry		Mt. Storm		Chesterfield		VaCity	
	<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 3</u>	<u>Unit 5</u>		<u>Unit 6</u>
Jul-17	100.0%	100.4%	100.6%	100.4%	67.9%	69.6%	80.4%	81.8%	56.9%	62.4%
Aug-17	100.2%	100.9%	91.8%	100.9%	50.2%	54.4%	10.5%	66.1%	60.1%	82.0%
Sep-17	101.6%	29.9%	102.3%	102.1%	45.5%	52.1%	33.6%	0.0%	0.0%	13.5%
Oct-17	102.1%	67.1%	103.1%	102.7%	69.2%	68.1%	63.5%	12.5%	0.0%	0.0%
Nov-17	103.2%	103.6%	104.4%	103.8%	28.3%	40.8%	0.0%	27.4%	23.8%	75.2%
Dec-17	103.1%	93.4%	104.6%	104.3%	50.3%	61.2%	6.9%	13.3%	37.0%	73.0%
Jan-18	103.4%	103.7%	104.8%	102.7%	77.3%	65.0%	59.3%	53.9%	68.4%	81.8%
Feb-18	103.1%	102.1%	104.4%	104.2%	23.1%	19.9%	2.6%	5.9%	6.6%	46.7%
Mar-18	31.2%	104.0%	104.4%	104.3%	53.8%	12.1%	59.7%	31.0%	0.0%	74.8%
Apr-18	46.3%	103.8%	64.1%	103.2%	0.0%	0.0%	71.2%	0.0%	0.0%	67.8%
May-18	102.0%	102.6%	0.8%	102.5%	0.0%	16.4%	67.7%	52.1%	15.2%	61.3%
Jun-18	100.7%	101.1%	100.5%	101.1%	37.4%	65.8%	32.2%	35.4%	19.0%	45.3%
12-Month Average	91.4%	92.7%	90.3%	102.7%	41.9%	43.8%	40.6%	31.6%	23.9%	57.0%

DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 558
SYSTEM ENERGY SUPPLY

Actual 12-Month Ended June 2018

	<u>Generation (MWhs)</u>	<u>% of Energy Supply</u>
Nuclear	27,650,942	30.9%
Coal	13,543,704	15.1%
Heavy Oil	357,813	0.4%
Wood and Natural Gas Steam	1,374,673	1.5%
Combined Cycle and Combustion Turbine	29,436,131	32.9%
Solar and Hydro - Conventional and Pumped Storage	3,437,770	3.8%
Net Power Transactions	17,153,828	19.1%
Less Energy for Pumping	(3,370,203)	-3.8%
Total System	89,584,657	100.0%
Nuclear, Natural Gas, Coal and Net Power Transactions		98.0%

DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 558
ENERGY AND FUEL EXPENSES

Company Exhibit BEP-1
Schedule 4
Page 1 of 1

Normalized and Adjusted Energy and Fuel Expense based on Actual 12-Months Ended June 2018
(Company Ownership Only)

(1)	(2) 12-Months Ended June 2018				(5)	(6)	(7)	(8)	(9) June 2018		(11)	(12)
	Expense (\$)	Generation (MWh)	Rate (\$/MWh)	Supply (%)					Expense (\$)	Generation (MWh)		
Coal (1)	471,290,374	14,918,376	31.59	16.7	0.2402	61,149,808	14,686,411	39,177,455	1,186,626	31.59	(5)	463,943,723
Nuclear												
Surry	92,861,852	14,166,909	6.55	15.8			14,089,231	7,679,153	1,216,094			
North Anna	89,900,546	13,484,033	6.67	15.1			13,489,188	7,827,548	1,214,887			
Total Nuclear	182,762,398 (4)	27,650,942	6.61	30.9			27,578,419	15,506,699	2,430,980	6.61	(5)	182,293,353
Heavy Oil	21,254,912	357,813	59.40	0.4	0.0058	61,149,808	352,223	6,716,689	138,525	59.40	(5)	20,922,046
CC & CT (2)	1,004,343,099	29,436,131	34.12	32.9	0.4739	61,149,808	28,978,466	69,750,846	2,912,060	28.97	(5)	839,541,311
Hydro	0	3,337,366		3.7			3,337,366	0	378,644			0
Solar		100,404		0.1			100,404		7,585			
Power Transactions												
NUG Fuel	(6) 45,053,070	4,145,080	10.87	4.6	0.0667	61,149,808	4,080,649	7,998,059	367,450	10.87	(5)	44,352,767
NUG Statute Adjustment												29,428,701
Greensville Adjustment												(90,736,791)
PJM Purchases	381,349,975	13,258,175	28.76	14.8	0.2134	61,149,808	13,052,060	21,462,163	223,702	28.76	(7)	375,421,410
Adjustments												
Sales for Resale	(41,128,862)	(249,427)		-0.3			(249,427)	0	(33,308)			(41,128,862) (3)
Net	385,274,183	17,153,828	22.46	19.1			16,883,282	29,460,222	557,844			317,335,224
Pumping	0	(3,370,203)		-3.8			(3,370,203)	0	(383,829)			0
Energy Supply	2,064,924,966	89,584,657	23.05	100.0			88,445,965	160,611,912	7,228,434	20.62		1,824,035,658

NOTE: ALL VALUES REFLECT COMPANY'S OWNERSHIP OF NORTH ANNA, CLOVER AND BATH COUNTY

- (1) Coal includes wood and natural gas steam generation
- (2) CC & CT includes jet oil, light oil and natural gas generation
- (3) Fuel expense is equal to 12 months ended June 2018
- (4) Nuclear expense excludes interim storage
- (5) Fuel expense rate based on weather normalized fuel expense
- (6) NUG fuel includes expenses related to dispatchable NUGs at 78% for those units subject to the marketer percentage
- (7) Purchases include 78% of the fuel expense and the impact of the FTR

Dominion Energy North Carolina
Docket No. E-22, Sub 558
Actual System Fuel and Purchased Power Expenses
July 2017 - June 2018

	<u>System Expenses As Booked</u> (1)	<u>North Carolina System Expenses As Booked</u> (2)
<u>Steam Generation Fuel Cost</u>		
July 2017	\$ 67,115,319	\$ 67,115,319
August	50,215,935	50,215,935
September	23,042,122	23,042,122
October	34,425,170	34,425,170
November	27,279,712	27,279,712
December	40,795,083	40,795,083
January 2018	87,280,535	87,280,535
February	15,855,764	15,855,764
March	38,249,161	38,205,887
April	23,731,950	23,731,950
May	38,703,665	38,703,665
June	45,894,144	45,894,144
FERC Account 501 - Steam Fuel Cost	<u>\$ 492,588,560</u>	<u>\$ 492,545,286</u>
<u>Nuclear Generation Fuel Cost</u>		
July 2017	\$ 17,844,027	\$ 16,566,943
August	17,855,559	16,245,237
September	14,155,916	13,071,451
October	16,436,693	15,375,559
November	17,460,187	16,489,173
December	17,308,600	16,251,320
January 2018	17,961,296	16,955,317
February	16,414,777	15,328,972
March	15,166,770	13,879,236
April	13,985,158	12,884,157
May	15,452,805	14,195,986
June	16,883,574	15,519,050
FERC Account 518 - Nuclear Fuel Cost	<u>\$ 196,925,363</u>	<u>\$ 182,762,398</u>

Dominion Energy North Carolina
Docket No. E-22, Sub 558
Actual System Fuel and Purchased Power Expenses
July 2017 - June 2018

	<u>System Expenses As Booked</u>	<u>North Carolina System Expenses As Booked</u>
	(1)	(2)
<u>Other Generation Fuel Cost</u>		
July 2017	\$ 71,746,215	\$ 71,746,215
August	64,132,468	64,132,468
September	59,064,934	59,064,934
October	39,547,052	39,547,052
November	60,399,219	60,399,219
December	80,530,996	80,530,996
January 2018	299,117,962	299,117,962
February	94,275,568	94,275,568
March	67,252,680	67,252,680
April	37,810,897	37,810,897
May	60,710,764	60,710,764
June	69,754,344	69,754,344
FERC Account 547 - Other Fuel Cost	<u>\$ 1,004,343,099</u>	<u>\$ 1,004,343,099</u>
Total Cost of Fuel Used in Current Generation	<u>\$ 1,693,857,022</u>	<u>\$ 1,679,650,783</u>
<u>Purchased Power</u>		
July 2017	48,929,418	\$ 21,656,508
August	41,198,557	18,357,861
September	62,623,685	33,514,785
October	54,029,120	26,908,051
November	48,369,302	21,313,011
December	82,263,233	45,166,899
January 2018	159,698,837	73,837,396
February	43,387,620	21,004,331
March	76,562,385	38,030,729
April	92,988,246	54,558,913
May	92,621,271	42,594,338
June	54,100,166	29,460,222
FERC Account 555 - Purchased Power Cost	<u>\$ 856,771,842</u>	<u>\$ 426,403,045</u>

Dominion Energy North Carolina
Docket No. E-22, Sub 558
Actual System Fuel and Purchased Power Expenses
July 2017 - June 2018

<u>Total Fuel and Purchased Power Cost</u>	<u>System Expenses As Booked (1)</u>	<u>North Carolina System Expenses As Booked (2)</u>
July 2017	\$ 205,634,980	\$ 177,084,985
August	173,402,518	148,951,500
September	158,886,657	128,693,292
October	144,438,035	116,255,832
November	153,508,421	125,481,115
December	220,897,913	182,744,298
January 2018	564,058,630	477,191,210
February	169,933,730	146,464,635
March	197,230,996	157,368,532
April	168,516,250	128,985,917
May	207,488,506	156,204,753
June	186,632,227	160,627,759
Total Fuel and Purchased Power Cos	\$ 2,550,628,864	\$ 2,106,053,828

Dominion Energy North Carolina
Docket No. E-22, Sub 558
North Carolina Recovery Experience
Twelve Months Ended June 2018

	July-17	August-17	September-17	October-17	November-17	December-17	January-18	February-18	March-18	April-18	May-18	June-18	Total
PART I													
FERC Account 501 - Steam Fuel Cost	\$ 67,115,319	\$ 50,215,835	\$ 23,042,122	\$ 34,425,170	\$ 27,279,712	\$ 40,785,083	\$ 67,280,535	\$ 15,855,784	\$ 33,205,867	\$ 23,731,950	\$ 38,703,665	\$ 45,894,144	\$ 452,545,286
FERC Account 518 - Nuclear Fuel Cost	\$ 16,568,943	\$ 16,245,237	\$ 13,071,451	\$ 15,375,559	\$ 16,489,173	\$ 16,251,320	\$ 16,855,317	\$ 15,328,972	\$ 13,879,236	\$ 12,864,157	\$ 14,195,936	\$ 15,519,050	\$ 182,762,398
FERC Account 547 - Other Fuel Cost	\$ 71,746,215	\$ 64,132,468	\$ 59,064,934	\$ 39,547,052	\$ 60,399,219	\$ 80,530,998	\$ 299,117,982	\$ 94,275,568	\$ 67,282,680	\$ 37,810,897	\$ 60,710,764	\$ 69,754,344	\$ 1,004,343,099
FERC Account 555 - Purchased Power Cost	\$ 21,658,508	\$ 18,357,861	\$ 33,514,785	\$ 28,908,051	\$ 21,313,011	\$ 45,168,899	\$ 73,837,396	\$ 21,004,331	\$ 38,030,729	\$ 54,558,913	\$ 42,594,338	\$ 29,460,222	\$ 426,403,045
Total NC System Fuel and Purchased Power Cost	\$ 177,084,985	\$ 148,951,500	\$ 128,633,292	\$ 116,235,832	\$ 125,481,115	\$ 182,744,298	\$ 477,161,210	\$ 146,464,635	\$ 157,368,532	\$ 128,985,917	\$ 156,204,753	\$ 160,627,759	\$ 2,106,053,828
Exclude System AFUDC	(13,836)	(13,716)	(8,974)	(13,371)	(15,235)	(15,106)	(15,724)	(14,126)	(11,854)	(12,968)	(14,868)	(15,848)	(166,625)
Total NC System Fuel and Purchased Power Cost w/o AFUDC	\$ 177,071,150	\$ 148,937,785	\$ 128,683,318	\$ 116,242,481	\$ 125,465,880	\$ 182,729,191	\$ 477,175,485	\$ 146,450,509	\$ 157,356,677	\$ 128,972,949	\$ 156,189,885	\$ 160,611,912	\$ 2,105,887,203
PART II													
NC Jurisdictional Fuel and Purchased Power Cost w/o AFUDC	\$ 9,087,298	\$ 6,577,492	\$ 7,583,047	\$ 4,678,879	\$ 7,285,836	\$ 8,646,974	\$ 24,941,738	\$ 7,358,676	\$ 7,336,135	\$ 6,753,090	\$ 7,082,868	\$ 7,857,331	\$ 105,189,561
Credit for the fuel cost from Non-Requirement Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Credit for the fuel cost from PJM Off-system Sales	\$ (97,081)	\$ (23,559)	\$ -	\$ (3,878)	\$ (31,059)	\$ (685)	\$ (74,870)	\$ (27,216)	\$ (46,593)	\$ -	\$ (3,518)	\$ (73,819)	\$ (362,260)
Fuel Related Adjustments ⁽¹⁾	8,712	9,806	7,246	9,855	10,631	10,448	10,952	10,131	8,445	8,370	10,623	11,060	118,382
Total NC Jurisdiction Fuel and Purchased Power Cost	\$ 8,999,929	\$ 6,563,843	\$ 7,590,293	\$ 4,684,955	\$ 7,265,507	\$ 8,656,756	\$ 24,877,819	\$ 7,341,589	\$ 7,297,987	\$ 6,762,460	\$ 7,089,971	\$ 7,794,572	\$ 104,925,682
PART III													
Adjusted NC Jurisdiction Fuel and Purchased Power Cost	\$ 8,999,929	\$ 6,563,843	\$ 7,590,293	\$ 4,684,955	\$ 7,265,507	\$ 8,656,756	\$ 24,877,819	\$ 7,341,589	\$ 7,297,987	\$ 6,762,460	\$ 7,089,971	\$ 7,794,572	\$ 104,925,682
NC Jurisdictional Revenue	(9,003,599)	(7,199,889)	(8,146,413)	(5,183,692)	(7,738,512)	(7,516,566)	(8,383,528)	(6,765,100)	(6,839,077)	(6,850,037)	(6,644,497)	(7,742,619)	(88,783,628)
(Over)/Under Recovery	\$ (3,669)	\$ (636,047)	\$ (556,121)	\$ (478,738)	\$ (473,004)	\$ 1,140,190	\$ 15,514,262	\$ 586,489	\$ 458,910	\$ 112,423	\$ 445,475	\$ 51,954	\$ 16,162,154
Cumulative (Over)/Under Recovery	\$ (3,669)	\$ (639,716)	\$ (1,195,836)	\$ (1,674,574)	\$ (2,147,578)	\$ (1,007,388)	\$ 14,508,903	\$ 15,093,392	\$ 15,552,302	\$ 16,664,726	\$ 16,110,200	\$ 16,162,154	

⁽¹⁾ Includes Jurisdictional AFUDC and AFUDC tax credits.

**Dominion Energy North Carolina
Docket No. E-22, Sub 558
Actual Kilowatt-hour (kWh) Sales
Twelve Months Ended June 2018**

(In Thousands)

	<u>System kWh Sales*</u> (1)	<u>North Carolina Retail kWh Sales*</u> (2)
July 2017	8,465,679	434,252
August	7,835,233	345,829
September	6,697,556	394,403
October	6,148,549	247,299
November	6,476,452	375,854
December	7,664,201	362,476
January 2018	8,633,491	451,039
February	6,466,360	324,728
March	7,074,112	329,584
April	6,128,331	320,645
May	7,056,665	319,795
June	7,613,720	372,303
Total kWh Sales	<u>86,260,349</u>	<u>4,278,206</u>

*Including unbilled kWh sales.

Dominion Energy North Carolina
Docket No. E-22, Sub 558
Actual Fuel Related Revenues
Twelve Months Ended June 2018

	System Fuel Related Revenues As Booked*	North Carolina Retail Fuel Factor Related Revenues*	
		Current Period	EMF Rider B
	(1)	(2)	(3)
July 2017	\$194,862,417	\$ 9,003,598	(2,031,447)
August	181,755,626	7,199,889	(1,624,617)
September	154,214,816	8,146,413	(1,837,771)
October	142,152,752	5,163,692	(1,165,179)
November	149,203,809	7,738,512	(1,745,602)
December	177,566,099	7,516,566	(1,695,903)
January 2018	199,963,401	9,363,528	(2,112,839)
February	150,893,642	6,755,100	(337,129)
March	164,635,381	6,839,077	(424,690)
April	142,684,462	6,650,037	(412,977)
May	164,854,557	6,644,497	(412,489)
June	<u>178,611,076</u>	<u>7,742,619</u>	<u>(480,679)</u>
Total Fuel Related Revenues	<u>\$ 2,001,398,037</u>	<u>\$ 88,763,528</u>	<u>\$ (14,281,321)</u>

*Including unbilled kWh revenues.

**Dominion Energy North Carolina
Docket No. E-22, Sub 558
Inventories of Fuel Burned
As of June 30, 2018**

<u>Fuel</u> (1)	<u>Inventory Measure</u> (2)		<u>Inventory Volume</u> (3)	<u>Inventory Value</u> (4)
Coal ^(b)	Tons	Coal Rec	1,203,190	\$ 76,000,974
Wood ^(b)	Tons	Wood & Jet Fuel Rec	74,148	2,253,447
Light Oil ^(a)	Gallons	Oil Rec	56,236,787	112,129,980
Heavy Oil ^(a)	Barrels	Oil Rec	1,543,855	74,062,671
Jet Fuel ^(a)	Gallons	Wood & Jet Fuel Rec	47,399	134,429
Natural Gas ^(a)	Dth	Power Gen. Summary	2,252,374	5,070,222
Nuclear Fuel Stock ^(b)	N/A			406,684,149
Total				\$ 676,335,871

(a) Inventories are held by Virginia Power Services Energy Corp, Inc.

(b) Inventories are held by Virginia Electric & Power Company.

I/A

DOMINION ENERGY NORTH CAROLINA
SUMMARY REPORT OF FUEL TRANSACTIONS WITH AFFILIATES
FOR THE PERIOD JULY 2017 - JUNE 2018
(IN THOUSANDS)

Dominion Energy North Carolina Receiving from Affiliate:

Docket No. E-22, Sub 558

VP Services Energy Corp., Inc.
Sale Of Natural Gas And Oil Inventory

<u>Month</u>	<u>Amount</u>
July-17	\$74,351
August-17	\$66,600
September-17	\$60,354
October-17	\$41,663
November-17	\$61,354
December-17	\$86,048
January-18	\$323,527
February-18	\$94,636
March-18	\$71,431
April-18	\$40,894
May-18	\$66,732
June-18	\$81,782

Total Charged to FERC Account 151 \$1,069,372

DOMINION ENERGY NORTH CAROLINA
SUMMARY REPORT OF FUEL TRANSACTIONS WITH AFFILIATES
FOR THE PERIOD JULY 2017 - JUNE 2018

Dominion Energy Fuel Services, Inc. and Virginia Power Services Energy Corp., Inc.
Natural Gas Transaction Summary

Docket No. E-22, Sub 558

	Volume			Dollars			
	Purchase	Sale	Difference	Purchase	Sale	Difference	Purchase
Jul-17	24,998,352	24,999,444	(1,092)	\$ 67,064,875.33	\$ 67,068,344.15	\$ (3,468.82)	\$ 2,683
Aug-17	24,597,224	24,593,573	3,651	\$ 63,591,721.01	\$ 63,586,251.83	\$ 5,469.18	\$ 2,585
Sep-17	22,358,859	22,361,071	(2,212)	\$ 56,078,570.52	\$ 56,087,499.65	\$ (8,929.13)	\$ 2,508
Oct-17	22,607,193	22,608,408	(1,215)	\$ 49,124,506.54	\$ 49,127,264.00	\$ (2,757.46)	\$ 2,173
Nov-17	19,564,085	19,564,390	(305)	\$ 55,745,404.03	\$ 55,746,222.58	\$ (818.55)	\$ 2,849
Dec-17	18,702,098	18,703,544	(1,446)	\$ 77,958,654.43	\$ 77,963,895.83	\$ (5,241.40)	\$ 4,168
Jan-18	23,933,413	23,954,517	(21,104)	\$ 281,876,748.48	\$ 281,856,048.29	\$ 20,700.19	\$ 11,778
Feb-18	18,609,825	18,608,038	1,787	\$ 77,026,246.84	\$ 77,029,820.87	\$ (3,574.03)	\$ 4,139
Mar-18	21,456,979	21,456,979	-	\$ 64,053,699.84	\$ 64,053,903.69	\$ (203.85)	\$ 2,985
Apr-18	24,021,400	24,022,470	(1,070)	\$ 61,844,519.10	\$ 61,846,025.87	\$ (1,506.77)	\$ 2,575
May-18	24,703,807	24,708,490	(4,683)	\$ 60,581,336.88	\$ 60,594,159.86	\$ (12,822.98)	\$ 2,452
Jun-18	26,334,562	26,342,263	(7,701)	\$ 70,747,096.81	\$ 70,768,598.51	\$ (21,501.70)	\$ 2,686
Total	271,887,797	271,923,187	(35,390)	\$ 985,693,379.81	\$ 985,728,035.13	\$ (34,655.32)	

DOMINION ENERGY NORTH CAROLINA
SUMMARY REPORT OF FUEL TRANSACTIONS WITH AFFILIATES
FOR THE PERIOD JULY 2017 - JUNE 2018

**Dominion Energy North Carolina Power Receiving and Providing to Dominion
Energy Fuel Services, Inc.:**

Docket No. E-22, Sub 558

July 2017 - June 2018 Contracted Affiliated Fuel Transactions

WACOG

	<u>Sale</u>	<u>Difference</u>
\$	2.683	(0.000)
\$	2.585	(0.000)
\$	2.508	(0.000)
\$	2.173	(0.000)
\$	2.849	0.000
\$	4.168	0.000
\$	11.766	0.011
\$	4.140	(0.001)
\$	2.985	(0.000)
\$	2.575	0.000
\$	2.452	(0.000)
\$	2.687	(0.000)

There were no affiliate transactions of Fuel from July 2017 through June 2018.

I/A

**SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION, AND CUSTOMER GROWTH
TWELVE MONTHS ENDED JUNE 30, 2018**

LINE	JURISDICTION	SYSTEM			
		CHANGE IN USAGE KWH	WEATHER NORM. KWH	CUSTOMER GROWTH KWH	TOTAL KWH
1)	NORTH CAROLINA (A)	(11,124,387)	(83,385,279)	(8,214,045)	(102,723,711)
2)	VIRGINIA	75,668,311	(1,224,259,493)	280,602,199	(867,988,983)
3)	COUNTY	(21,849,626)	(57,799,715)	12,437,859	(67,211,482)
4)	STATE	7,533,975	(2,172,431)	2,514,436	7,875,980
5)	MS - GOVERNMENTAL	96,474,170	(10,599,426)	15,349,551	101,224,295
7)	FERC	0	(64,777,424)	0	(64,777,424)
8)	SYSTEM KWH AT SALES LEVEL	146,702,443	(1,442,993,768)	302,690,000	(993,601,325)
9)	SUBTOTAL - SYSTEM KWH AT GENERATION LEVEL (LINE 8 x 2017 EXPANSION FACTOR) (B)				(1,038,289,538)

NOTES

() DENOTES NEGATIVE VALUE

(A) NORTH CAROLINA BY CLASS	CHANGE IN USAGE KWH	WEATHER NORM. KWH	CUSTOMER GROWTH KWH	TOTAL KWH
RESIDENTIAL	(20,107,709)	(68,038,285)	3,100,208	(85,045,786)
SGS / PA	(6,720,102)	(15,346,994)	1,879,419	(20,187,677)
LGS	(12,643,073)	0	(13,356,398)	(25,999,471)
NS	25,885,526	0	0	25,885,526
6VP	2,543,630	0	0	2,543,630
ODL & ST LTS	(78,590)	0	161,864	83,274
TRAFFIC	(4,069)	0	862	(3,207)
TOTAL	(11,124,387)	(83,385,279)	(8,214,045)	(102,723,711)

(B) 2017 SYSTEM EXPANSION FACTOR IS 1.044976

**DOMINION ENERGY NORTH CAROLINA
CALCULATION OF SYSTEM AVERAGE FUEL FACTOR
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019**

EXPENSE:	12 MONTH NORMALIZED SYSTEM FUEL EXPENSE (A)		\$1,824,035,658
SALES:	12 MONTHS SYSTEM KWH SALES ADJUSTED FOR CHANGE IN USAGE, WEATHER AND CUSTOMER GROWTH (B)		85,266,747,633
FEE:	NORTH CAROLINA REGULATORY FEE ADJUSTMENT FACTOR		1.0014
FACTOR =	$\frac{\$1,824,035,658}{85,266,747,633}$	x	1.0014
FACTOR =	\$0.02142	/KWH (C) (D)	

NOTES

(A) FROM COMPANY EXHIBIT NO. BEP-1 SCHEDULE 4

(B) SYSTEM KWH AT SALES LEVEL [COMPANY EXHIBIT RC-1, SCHEDULE 3]	86,260,348,958
PLUS: SYSTEM KWH USAGE, WEATHER, GROWTH ADJUSTMENT [COMPANY EXHIBIT NO. GGB-1, SCHEDULE 1, LINE 8]	<u>(993,601,325)</u>
TOTAL SYSTEM SALES	85,266,747,633

(C) THE NORTH CAROLINA JURISDICTIONAL BASE FUEL FACTOR IS \$0.02073/KWH

(D) WITHOUT NC REGULATORY FEE \$0.02139 /KWH

**DOMINION ENERGY NORTH CAROLINA
CALCULATION OF FUEL COST RIDER A
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<u>CUSTOMER CLASS</u>	<u>KWH SALES</u> (A)	<u>SYSTEM FUEL FACTOR</u> (B)	<u>FUEL REVENUE UNIFORM RATE</u> (1) x (2)	<u>CLASS EXPANSION FACTOR</u>	<u>CLASS KWH @ GENERATION LEVEL</u> (1) x (4)	<u>JURISDICTIONAL UNIFORM RATE @ GENERATION LEVEL</u> (3a) / (5a)	<u>JURISDICTIONAL VOLTAGE DIFFERENTIATED RATE @ SALES LEVEL</u> (4) x (6)	<u>VOLTAGE DIFFERENTIATED BASE FUEL RATE</u>	<u>FUEL COST RIDER A RATE</u> (7) - (8)
RESIDENTIAL	1,556,675,212	\$0.02142	\$33,343,983	1.05194911	1,637,543,102	\$0.02059	\$0.02166	\$0.02095	\$0.00071
SGS & PA	808,798,323	\$0.02142	\$17,324,460	1.05092449	849,985,965	\$0.02059	\$0.02164	\$0.02093	\$0.00071
LGS	625,380,529	\$0.02142	\$13,395,651	1.04292197	652,223,092	\$0.02059	\$0.02147	\$0.02079	\$0.00068
SCHEDULE NS	886,152,526	\$0.02142	\$18,981,387	1.01130009	896,166,127	\$0.02059	\$0.02082	\$0.02014	\$0.00068
6VP	272,930,630	\$0.02142	\$5,846,174	1.02584498	279,984,518	\$0.02059	\$0.02112	\$0.02043	\$0.00069
OUTDOOR LIGHTING	25,032,274	\$0.02142	\$536,191	1.05194911	26,332,678	\$0.02059	\$0.02166	\$0.02095	\$0.00071
TRAFFIC	502,793	\$0.02142	\$10,770	1.05194911	528,913	\$0.02059	\$0.02166	\$0.02095	\$0.00071
TOTAL	4,175,472,287		\$89,438,616	(3a)	4,342,764,395	(5a)			

NOTES

(A)	CHG IN USAGE, WEATHER		
	<u>TEST YR KWH</u>	<u>CUST GROWTH ADJ</u>	<u>TOTAL*</u>
RESIDENTIAL	1,641,720,998	(85,045,786)	1,556,675,212
SGS & PA	828,986,000	(20,187,677)	808,798,323
LGS	651,380,000	(25,999,471)	625,380,529
SCHEDULE NS	860,267,000	25,885,526	886,152,526
6VP	270,387,000	2,543,630	272,930,630
STREET & OUTDOOR LIGHTING	24,949,000	83,274	25,032,274
TRAFFIC	506,000	(3,207)	502,793
TOTAL	4,278,195,998	(102,723,711)	4,175,472,287

* CLASS KWH AT SALES LEVEL PLUS CHANGE IN USAGE, WEATHER NORMALIZATION, AND CUSTOMER GROWTH [COMPANY EXHIBIT NO. GGB-1 SCHEDULE 1]

(B) IN \$/KWH

"FULL RECOVERY"
DOMINION ENERGY NORTH CAROLINA
CALCULATION OF EXPERIENCE MODIFICATION FACTOR - RIDER B
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019

EXPENSE:	JULY 1, 2017 - JUNE 30, 2018 NC JURISDICTIONAL FUEL EXPENSE UNDER RECOVERY (A)	\$16,162,154
INTEREST:	18 MONTHS AT 10% ON OVER RECOVERY	<u>\$0</u>
NET:		\$16,162,154
SALES:	12 MONTHS JURISDICTIONAL KWH SALES ADJUSTED FOR CHANGE IN USAGE, WEATHER, AND CUSTOMER GROWTH (B)	4,175,472,287
FEE:	NORTH CAROLINA REGULATORY FEE ADJUSTMENT FACTOR	1.0014

$$\text{FACTOR} = \frac{\$16,162,154}{4,175,472,287} \times 1.0014$$

$$\text{FACTOR} = \$0.00388 \quad / \text{KWH (C)}$$

NOTES

(A) FROM COMPANY EXHIBIT NO. RC-1 SCHEDULE 2

(B) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(C) WITHOUT NC REGULATORY FEE \$0.00387 /KWH

"FULL RECOVERY"
DOMINION ENERGY NORTH CAROLINA
CALCULATION OF EXPERIENCE MODIFICATION FACTOR - RIDER B
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
<u>CUSTOMER CLASS</u>	<u>KWH SALES</u> (A)	<u>NC JURISDICTIONAL EMF</u> (B)	<u>FUEL REVENUE UNIFORM EMF</u> (1) x (2)	<u>CLASS EXPANSION FACTOR</u>	<u>CLASS KWH @ GENERATION LEVEL</u> (1) x (4)	<u>UNIFORM EMF @ GENERATION LEVEL</u> (3a) / (5a)	<u>VOLTAGE DIFFERENTIATED EMF @ SALES LEVEL</u> (4) x (6)
RESIDENTIAL	1,556,675,212	\$0.00388	\$6,039,900	1.05194911	1,637,543,102	\$0.00373	\$0.00392
SGS & PA	808,798,323	\$0.00388	\$3,138,137	1.05092449	849,985,965	\$0.00373	\$0.00392
LGS	625,380,529	\$0.00388	\$2,426,476	1.04292197	652,223,092	\$0.00373	\$0.00389
SCHEDULE NS	886,152,526	\$0.00388	\$3,438,272	1.01130009	896,166,127	\$0.00373	\$0.00377
6VP	272,930,630	\$0.00388	\$1,058,971	1.02584498	279,984,518	\$0.00373	\$0.00383
OUTDOOR LIGHTING	25,032,274	\$0.00388	\$97,125	1.05194911	26,332,678	\$0.00373	\$0.00392
TRAFFIC	502,793	\$0.00388	\$1,951	1.05194911	528,913	\$0.00373	\$0.00392
TOTAL	4,175,472,287		\$16,200,832 (3a)		4,342,764,395 (5a)		

NOTES

(A) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(B) IN \$/KWH

"MITIGATION PROPOSAL"
DOMINION ENERGY NORTH CAROLINA
CALCULATION OF EXPERIENCE MODIFICATION FACTOR - RIDER B
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019

EXPENSE:	JULY 1, 2017 - JUNE 30, 2018 NC JURISDICTIONAL FUEL EXPENSE UNDER RECOVERY (A)	\$16,162,154
INTEREST:	18 MONTHS AT 10% ON OVER RECOVERY	<u>\$0</u>
NET:		\$16,162,154
Adjustment	50 % JULY 1, 2017 - JUNE 30, 2018 NC JURISDICTIONAL FUEL EXPENSE UNDER RECOVERY	\$8,081,077
SALES:	12 MONTHS JURISDICTIONAL KWH SALES ADJUSTED FOR CHANGE IN USAGE, WEATHER, AND CUSTOMER GROWTH (B)	4,175,472,287
FEE:	NORTH CAROLINA REGULATORY FEE ADJUSTMENT FACTOR	1.0014

$$\text{FACTOR} = \frac{\$8,081,077}{4,175,472,287} \times 1.0014$$

$$\text{FACTOR} = \$0.00194 \quad / \text{KWH (C)}$$

NOTES

(A) FROM COMPANY EXHIBIT NO. RC-1 SCHEDULE 2

(B) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(C) WITHOUT NC REGULATORY FEE \$0.00194 /KWH

"MITIGATION PROPOSAL"
DOMINION ENERGY NORTH CAROLINA
CALCULATION OF EXPERIENCE MODIFICATION FACTOR - RIDER B
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
<u>CUSTOMER CLASS</u>	<u>KWH SALES</u> (A)	<u>NC JURISDICTIONAL EMF</u> (B)	<u>FUEL REVENUE UNIFORM EMF</u> (1) x (2)	<u>CLASS EXPANSION FACTOR</u>	<u>CLASS KWH @ GENERATION LEVEL</u> (1) x (4)	<u>UNIFORM EMF @ GENERATION LEVEL</u> (3a) / (5a)	<u>VOLTAGE DIFFERENTIATED EMF @ SALES LEVEL</u> (4) x (6)
RESIDENTIAL	1,556,675,212	\$0.00194	\$3,019,950	1.05194911	1,637,543,102	\$0.00187	\$0.00197
SGS & PA	808,798,323	\$0.00194	\$1,569,069	1.05092449	849,985,965	\$0.00187	\$0.00197
LGS	625,380,529	\$0.00194	\$1,213,238	1.04292197	652,223,092	\$0.00187	\$0.00195
SCHEDULE NS	886,152,526	\$0.00194	\$1,719,136	1.01130009	896,166,127	\$0.00187	\$0.00189
6VP	272,930,630	\$0.00194	\$529,485	1.02584498	279,984,518	\$0.00187	\$0.00192
OUTDOOR LIGHTING	25,032,274	\$0.00194	\$48,563	1.05194911	26,332,678	\$0.00187	\$0.00197
TRAFFIC	502,793	\$0.00194	\$975	1.05194911	528,913	\$0.00187	\$0.00197
TOTAL	4,175,472,287		\$8,100,416	(3a)	4,342,764,395	(5a)	

NOTES

(A) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(B) IN \$/KWH

"FULL RECOVERY"
DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL COST LEVEL - PRESENT AND PROPOSED
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)
	BASE FUEL COMPONENT \$/KWH	RIDER A FUEL CHARGE \$/KWH	RIDER B EMF \$/KWH	RIDER B2 EMF \$/KWH	TOTAL FUEL RATE \$/KWH
<u>NC JURISDICTION</u>					
PRESENT	\$0.02073	\$0.00004	(\$0.00139)	\$0.00010	\$0.01948
PROPOSED	\$0.02073	\$0.00069	\$0.00388	\$0.00000	\$0.02530
CHANGE	\$0.00000	\$0.00065	\$0.00527	(\$0.00010)	\$0.00582
<u>RESIDENTIAL</u>					
PRESENT	\$0.02095	\$0.00006	(\$0.00141)	\$0.00011	\$0.01971
PROPOSED	\$0.02095	\$0.00071	\$0.00392	\$0.00000	\$0.02558
CHANGE	\$0.00000	\$0.00065	\$0.00533	(\$0.00011)	\$0.00587
<u>SGS & PA</u>					
PRESENT	\$0.02093	\$0.00006	(\$0.00141)	\$0.00011	\$0.01969
PROPOSED	\$0.02093	\$0.00071	\$0.00392	\$0.00000	\$0.02556
CHANGE	\$0.00000	\$0.00065	\$0.00533	(\$0.00011)	\$0.00587
<u>LGS</u>					
PRESENT	\$0.02079	\$0.00003	(\$0.00140)	\$0.00010	\$0.01952
PROPOSED	\$0.02079	\$0.00068	\$0.00389	\$0.00000	\$0.02536
CHANGE	\$0.00000	\$0.00065	\$0.00529	(\$0.00010)	\$0.00584

NOTES

() DENOTES NEGATIVE VALUE

"FULL RECOVERY"
DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL COST LEVEL - PRESENT AND PROPOSED
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)
<u>SCHEDULE NS</u>	BASE FUEL COMPONENT \$/KWH	RIDER A FUEL CHARGE \$/KWH	RIDER B EMF \$/KWH	RIDER B2 EMF \$/KWH	TOTAL FUEL RATE \$/KWH
PRESENT	\$0.02014	\$0.00006	(\$0.00136)	\$0.00010	\$0.01894
PROPOSED	\$0.02014	\$0.00068	\$0.00377	\$0.00000	\$0.02459
CHANGE	\$0.00000	\$0.00062	\$0.00513	(\$0.00010)	\$0.00565
<u>GVP</u>	BASE FUEL COMPONENT \$/KWH	RIDER A FUEL CHARGE \$/KWH	RIDER B EMF \$/KWH	RIDER B2 EMF \$/KWH	TOTAL FUEL RATE \$/KWH
PRESENT	\$0.02043	\$0.00006	(\$0.00137)	\$0.00010	\$0.01922
PROPOSED	\$0.02043	\$0.00069	\$0.00383	\$0.00000	\$0.02495
CHANGE	\$0.00000	\$0.00063	\$0.00520	(\$0.00010)	\$0.00573
<u>OUTDOOR LIGHTING</u>	BASE FUEL COMPONENT \$/KWH	RIDER A FUEL CHARGE \$/KWH	RIDER B EMF \$/KWH	RIDER B2 EMF \$/KWH	TOTAL FUEL RATE \$/KWH
PRESENT	\$0.02095	\$0.00006	(\$0.00141)	\$0.00011	\$0.01971
PROPOSED	\$0.02095	\$0.00071	\$0.00392	\$0.00000	\$0.02558
CHANGE	\$0.00000	\$0.00065	\$0.00533	(\$0.00011)	\$0.00587
<u>TRAFFIC</u>	BASE FUEL COMPONENT \$/KWH	RIDER A FUEL CHARGE \$/KWH	RIDER B EMF \$/KWH	RIDER B2 EMF \$/KWH	TOTAL FUEL RATE \$/KWH
PRESENT	\$0.02095	\$0.00006	(\$0.00141)	\$0.00011	\$0.01971
PROPOSED	\$0.02095	\$0.00071	\$0.00392	\$0.00000	\$0.02558
CHANGE	\$0.00000	\$0.00065	\$0.00533	(\$0.00011)	\$0.00587

NOTES

() DENOTES NEGATIVE VALUE

"MITIGATION PLAN"
DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL COST LEVEL - PRESENT AND PROPOSED
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)
<u>NC JURISDICTION</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02073	\$0.00004	(\$0.00139)	\$0.00010	\$0.01948
PROPOSED	<u>\$0.02073</u>	<u>\$0.00069</u>	<u>\$0.00194</u>	<u>\$0.00000</u>	<u>\$0.02336</u>
CHANGE	\$0.00000	\$0.00065	\$0.00333	(\$0.00010)	\$0.00388
<u>RESIDENTIAL</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02095	\$0.00006	(\$0.00141)	\$0.00011	\$0.01971
PROPOSED	<u>\$0.02095</u>	<u>\$0.00071</u>	<u>\$0.00197</u>	<u>\$0.00000</u>	<u>\$0.02363</u>
CHANGE	\$0.00000	\$0.00065	\$0.00338	(\$0.00011)	\$0.00392
<u>SGS & PA</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02093	\$0.00006	(\$0.00141)	\$0.00011	\$0.01969
PROPOSED	<u>\$0.02093</u>	<u>\$0.00071</u>	<u>\$0.00197</u>	<u>\$0.00000</u>	<u>\$0.02361</u>
CHANGE	\$0.00000	\$0.00065	\$0.00338	(\$0.00011)	\$0.00392
<u>LGS</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02079	\$0.00003	(\$0.00140)	\$0.00010	\$0.01952
PROPOSED	<u>\$0.02079</u>	<u>\$0.00068</u>	<u>\$0.00195</u>	<u>\$0.00000</u>	<u>\$0.02342</u>
CHANGE	\$0.00000	\$0.00065	\$0.00335	(\$0.00010)	\$0.00390

NOTES

() DENOTES NEGATIVE VALUE

"MITIGATION PLAN"
DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL COST LEVEL - PRESENT AND PROPOSED
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)
<u>SCHEDULE NS</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02014	\$0.00006	(\$0.00136)	\$0.00010	\$0.01894
PROPOSED	\$0.02014	\$0.00068	\$0.00189	\$0.00000	\$0.02271
CHANGE	\$0.00000	\$0.00062	\$0.00325	(\$0.00010)	\$0.00377
<u>6VP</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02043	\$0.00006	(\$0.00137)	\$0.00010	\$0.01922
PROPOSED	\$0.02043	\$0.00069	\$0.00192	\$0.00000	\$0.02304
CHANGE	\$0.00000	\$0.00063	\$0.00329	(\$0.00010)	\$0.00382
<u>OUTDOOR LIGHTING</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02095	\$0.00006	(\$0.00141)	\$0.00011	\$0.01971
PROPOSED	\$0.02095	\$0.00071	\$0.00197	\$0.00000	\$0.02363
CHANGE	\$0.00000	\$0.00065	\$0.00338	(\$0.00011)	\$0.00392
<u>TRAFFIC</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>RIDER B2 EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02095	\$0.00006	(\$0.00141)	\$0.00011	\$0.01971
PROPOSED	\$0.02095	\$0.00071	\$0.00197	\$0.00000	\$0.02363
CHANGE	\$0.00000	\$0.00065	\$0.00338	(\$0.00011)	\$0.00392

NOTES

() DENOTES NEGATIVE VALUE

"FULL RECOVERY"
DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL RECOVERY
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)	(6)
<u>CUSTOMER CLASS</u>	<u>SALES(KWH)</u>	<u>BASE FUEL COMPONENT</u> (A)	<u>FUEL COST RIDER A</u> (B)	<u>EMF RIDER B</u> (C)	<u>TOTAL</u> (2) + (3) + (4)	<u>TOTAL REVENUE</u> (1) x (6)
RESIDENTIAL	1,556,675,212	\$0.02095	\$0.00071	\$0.00392	\$0.02558	\$39,819,752
SGS & PA	808,798,323	\$0.02093	\$0.00071	\$0.00392	\$0.02556	\$20,672,885
LGS	625,380,529	\$0.02079	\$0.00068	\$0.00389	\$0.02536	\$15,859,650
SCHEDULE NS	886,152,526	\$0.02014	\$0.00068	\$0.00377	\$0.02459	\$21,790,491
6VP	272,930,630	\$0.02043	\$0.00069	\$0.00383	\$0.02495	\$6,809,619
OUTDOOR LIGHTING	25,032,274	\$0.02095	\$0.00071	\$0.00392	\$0.02558	\$640,326
TRAFFIC	502,793	\$0.02095	\$0.00071	\$0.00392	\$0.02558	\$12,861
TOTAL	4,175,472,287					\$105,605,584

	<u>SALES(KWH)</u>	<u>BASE FUEL COMPONENT</u>	<u>FUEL COST RIDER A</u>	<u>EMF RIDER B</u>	<u>TOTAL</u> (2) + (3) + (4) + (5)	<u>TOTAL REVENUE</u> (1) x (6)
NORTH CAROLINA JURISDICTION	4,175,472,287	\$0.02073	\$0.00069	\$0.00388	\$0.02530	\$105,639,449

	<u>SALES(KWH)</u>	<u>PRESENT TOTAL RATE</u>	<u>PROPOSED TOTAL RATE</u>	<u>TOTAL CHANGE</u> (3) - (2)	<u>TOTAL REVENUE CHANGE</u> (4) x (1)
NORTH CAROLINA JURISDICTION REVENUE CHANGE	4,175,472,287	\$0.01948	\$0.02530	\$0.00582	\$24,301,249

NOTES

(A) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(B) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(C) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 3, PAGE 2

(D) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 4, PAGE 2

"MITIGATION PLAN"
DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL RECOVERY
TWELVE MONTHS ENDED JUNE 30, 2018
TO BE EFFECTIVE FEBRUARY 1, 2019

	(1)	(2)	(3)	(4)	(5)	(6)
<u>CUSTOMER CLASS</u>	<u>SALES(KWH)</u>	<u>BASE FUEL COMPONENT</u> (A)	<u>FUEL COST RIDER A</u> (B)	<u>EMF RIDER B</u> (C)	<u>TOTAL</u> (2) + (3) + (4)	<u>TOTAL REVENUE</u> (1) x (6)
RESIDENTIAL	1,556,675,212	\$0.02095	\$0.00071	\$0.00197	\$0.02363	\$36,784,235
SGS & PA	808,798,323	\$0.02093	\$0.00071	\$0.00197	\$0.02361	\$19,095,728
LGS	625,380,529	\$0.02079	\$0.00068	\$0.00195	\$0.02342	\$14,646,412
SCHEDULE NS	886,152,526	\$0.02014	\$0.00068	\$0.00189	\$0.02271	\$20,124,524
6VP	272,930,630	\$0.02043	\$0.00069	\$0.00192	\$0.02304	\$6,288,322
OUTDOOR LIGHTING	25,032,274	\$0.02095	\$0.00071	\$0.00197	\$0.02363	\$591,513
TRAFFIC	<u>502,793</u>	\$0.02095	\$0.00071	\$0.00197	\$0.02363	\$11,881
TOTAL	4,175,472,287					\$97,542,615

	<u>SALES(KWH)</u>	<u>BASE FUEL COMPONENT</u>	<u>FUEL COST RIDER A</u>	<u>EMF RIDER B</u>	<u>TOTAL</u> (2) + (3) + (4) + (5)	<u>TOTAL REVENUE</u> (1) x (6)
NORTH CAROLINA JURISDICTION	4,175,472,287	\$0.02073	\$0.00069	\$0.00194	\$0.02336	\$97,539,033

	<u>SALES(KWH)</u>	<u>PRESENT TOTAL RATE</u>	<u>PROPOSED TOTAL RATE</u>	<u>TOTAL CHANGE</u> (3) - (2)	<u>TOTAL REVENUE CHANGE</u> (4) x (1)
NORTH CAROLINA JURISDICTION REVENUE CHANGE	4,175,472,287	\$0.01948	\$0.02336	\$0.00388	\$16,200,832

NOTES

(A) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(B) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 2, PAGE 2

(C) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 3, PAGE 2

(D) FROM COMPANY EXHIBIT NO. GGB-1 SCHEDULE 4, PAGE 2

RIDER AFUEL COST RIDER

The applicable cents per kilowatt-hour charge¹ shall be added to the base fuel cost contained in the energy charges within each of the following Dominion Energy North Carolina filed Rate Schedules.

Rate Schedule	Customer Class	Cents per kWh Charge
Schedule 1	Residential	0.000¢/kWh
Schedule 1DF	Residential	0.000¢/kWh
Schedule 1P	Residential	0.000¢/kWh
Schedule 1T	Residential	0.000¢/kWh
Schedule 1W	Residential	0.000¢/kWh
Schedule 5	SGS & Public Authority	0.000¢/kWh
Schedule 5C	SGS & Public Authority	0.000¢/kWh
Schedule 5P	SGS & Public Authority	0.000¢/kWh
Schedule 7	SGS & Public Authority	0.000¢/kWh
Schedule 30	SGS & Public Authority	0.000¢/kWh
Schedule 42	SGS & Public Authority	0.000¢/kWh
Schedule 6C	Large General Service	0.000¢/kWh
Schedule 6P	Large General Service	0.000¢/kWh
Schedule 6L	Large General Service	0.000¢/kWh
Schedule 10	Large General Service	0.000¢/kWh
Schedule 26	Outdoor Lighting	0.000¢/kWh
Schedule 30T	Traffic Control	0.000¢/kWh
Schedule 6VP	6VP	0.000¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	0.000¢/kWh
Schedule NS Tier 1 Type A & B, and Tier 2-Type B Energy Charges	Schedule NS	Rider A is Included in the Energy Charges

¹This charge is not a part of the base fuel cost included in the energy prices stated in the Rate Schedules and should, therefore, be applied in addition to the prices stated in the Rate Schedules.

RIDER BEXPERIENCE MODIFICATION FACTOR (EMF)

The applicable cents per kilowatt-hour charge¹ shall be added to the energy charges contained within each of the following Dominion Energy North Carolina filed Rate Schedules.

Rate Schedule	Customer Class	Cents per kWh Charge
Schedule 1	Residential	0.000¢/kWh
Schedule 1DF	Residential	0.000¢/kWh
Schedule 1P	Residential	0.000¢/kWh
Schedule 1T	Residential	0.000¢/kWh
Schedule 1W	Residential	0.000¢/kWh
Schedule 5	SGS & Public Authority	0.000¢/kWh
Schedule 5C	SGS & Public Authority	0.000¢/kWh
Schedule 5P	SGS & Public Authority	0.000¢/kWh
Schedule 7	SGS & Public Authority	0.000¢/kWh
Schedule 30	SGS & Public Authority	0.000¢/kWh
Schedule 42	SGS & Public Authority	0.000¢/kWh
Schedule 6C	Large General Service	0.000¢/kWh
Schedule 6P	Large General Service	0.000¢/kWh
Schedule 6L	Large General Service	0.000¢/kWh
Schedule 10	Large General Service	0.000¢/kWh
Schedule 26	Outdoor Lighting	0.000¢/kWh
Schedule 30T	Traffic Control	0.000¢/kWh
Schedule 6VP	6VP	0.000¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	0.000¢/kWh
Schedule NS Tier 1 Type A & B, and Tier 2-Type B Energy Charges	Schedule NS	Rider B is Included in the Energy Charges

¹This charge is not a part of the base fuel cost included in the energy prices stated in the Rate Schedules and should, therefore, be applied in addition to the prices stated in the Rate Schedules.

RIDER AFUEL COST RIDER

The applicable cents per kilowatt-hour charge¹ shall be added to the base fuel cost contained in the energy charges within each of the following Dominion Energy North Carolina filed Rate Schedules.

Rate Schedule	Customer Class	Cents per kWh Charge
Schedule 1	Residential	0.071¢/kWh
Schedule 1DF	Residential	0.071¢/kWh
Schedule 1P	Residential	0.071¢/kWh
Schedule 1T	Residential	0.071¢/kWh
Schedule 1W	Residential	0.071¢/kWh
Schedule 5	SGS & Public Authority	0.071¢/kWh
Schedule 5C	SGS & Public Authority	0.071¢/kWh
Schedule 5P	SGS & Public Authority	0.071¢/kWh
Schedule 7	SGS & Public Authority	0.071¢/kWh
Schedule 30	SGS & Public Authority	0.071¢/kWh
Schedule 42	SGS & Public Authority	0.071¢/kWh
Schedule 6C	Large General Service	0.068¢/kWh
Schedule 6P	Large General Service	0.068¢/kWh
Schedule 6L	Large General Service	0.068¢/kWh
Schedule 10	Large General Service	0.068¢/kWh
Schedule 26	Outdoor Lighting	0.071¢/kWh
Schedule 30T	Traffic Control	0.071¢/kWh
Schedule 6VP	6VP	0.069¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	0.068¢/kWh
Schedule NS Tier 1 Type A & B, and Tier 2-Type B Energy Charges	Schedule NS	Rider A is Included in the Energy Charges

¹This charge is not a part of the base fuel cost included in the energy prices stated in the Rate Schedules and should, therefore, be applied in addition to the prices stated in the Rate Schedules.

RIDER BEXPERIENCE MODIFICATION FACTOR (EMF)

The applicable cents per kilowatt-hour charge¹ shall be added to the energy charges contained within each of the following Dominion Energy North Carolina filed Rate Schedules.

Rate Schedule	Customer Class	Cents per kWh Charge
Schedule 1	Residential	0.392¢/kWh
Schedule 1DF	Residential	0.392¢/kWh
Schedule 1P	Residential	0.392¢/kWh
Schedule 1T	Residential	0.392¢/kWh
Schedule 1W	Residential	0.392¢/kWh
Schedule 5	SGS & Public Authority	0.392¢/kWh
Schedule 5C	SGS & Public Authority	0.392¢/kWh
Schedule 5P	SGS & Public Authority	0.392¢/kWh
Schedule 7	SGS & Public Authority	0.392¢/kWh
Schedule 30	SGS & Public Authority	0.392¢/kWh
Schedule 42	SGS & Public Authority	0.392¢/kWh
Schedule 6C	Large General Service	0.389¢/kWh
Schedule 6P	Large General Service	0.389¢/kWh
Schedule 6L	Large General Service	0.389¢/kWh
Schedule 10	Large General Service	0.389¢/kWh
Schedule 26	Outdoor Lighting	0.392¢/kWh
Schedule 30T	Traffic Control	0.392¢/kWh
Schedule 6VP	6VP	0.383¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	0.377¢/kWh
Schedule NS Tier 1 Type A & B, and Tier 2-Type B Energy Charges	Schedule NS	Rider B is Included in the Energy Charges

¹This charge is not a part of the base fuel cost included in the energy prices stated in the Rate Schedules and should, therefore, be applied in addition to the prices stated in the Rate Schedules.

RIDER AFUEL COST RIDER

The applicable cents per kilowatt-hour charge¹ shall be added to the base fuel cost contained in the energy charges within each of the following Dominion Energy North Carolina filed Rate Schedules.

Rate Schedule	Customer Class	Cents per kWh Charge
Schedule 1	Residential	0.071¢/kWh
Schedule 1DF	Residential	0.071¢/kWh
Schedule 1P	Residential	0.071¢/kWh
Schedule 1T	Residential	0.071¢/kWh
Schedule 1W	Residential	0.071¢/kWh
Schedule 5	SGS & Public Authority	0.071¢/kWh
Schedule 5C	SGS & Public Authority	0.071¢/kWh
Schedule 5P	SGS & Public Authority	0.071¢/kWh
Schedule 7	SGS & Public Authority	0.071¢/kWh
Schedule 30	SGS & Public Authority	0.071¢/kWh
Schedule 42	SGS & Public Authority	0.071¢/kWh
Schedule 6C	Large General Service	0.068¢/kWh
Schedule 6P	Large General Service	0.068¢/kWh
Schedule 6L	Large General Service	0.068¢/kWh
Schedule 10	Large General Service	0.068¢/kWh
Schedule 26	Outdoor Lighting	0.071¢/kWh
Schedule 30T	Traffic Control	0.071¢/kWh
Schedule 6VP	6VP	0.069¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	0.068¢/kWh
Schedule NS Tier 1 Type A & B, and Tier 2-Type B Energy Charges	Schedule NS	Rider A is Included in the Energy Charges

¹This charge is not a part of the base fuel cost included in the energy prices stated in the Rate Schedules and should, therefore, be applied in addition to the prices stated in the Rate Schedules.

RIDER BEXPERIENCE MODIFICATION FACTOR (EMF)

The applicable cents per kilowatt-hour charge¹ shall be added to the energy charges contained within each of the following Dominion Energy North Carolina filed Rate Schedules.

Rate Schedule	Customer Class	Cents per kWh Charge
Schedule 1	Residential	0.197¢/kWh
Schedule 1DF	Residential	0.197¢/kWh
Schedule 1P	Residential	0.197¢/kWh
Schedule 1T	Residential	0.197¢/kWh
Schedule 1W	Residential	0.197¢/kWh
Schedule 5	SGS & Public Authority	0.197¢/kWh
Schedule 5C	SGS & Public Authority	0.197¢/kWh
Schedule 5P	SGS & Public Authority	0.197¢/kWh
Schedule 7	SGS & Public Authority	0.197¢/kWh
Schedule 30	SGS & Public Authority	0.197¢/kWh
Schedule 42	SGS & Public Authority	0.197¢/kWh
Schedule 6C	Large General Service	0.195¢/kWh
Schedule 6P	Large General Service	0.195¢/kWh
Schedule 6L	Large General Service	0.195¢/kWh
Schedule 10	Large General Service	0.195¢/kWh
Schedule 26	Outdoor Lighting	0.197¢/kWh
Schedule 30T	Traffic Control	0.197¢/kWh
Schedule 6VP	6VP	0.192¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	0.189¢/kWh
Schedule NS Tier 1 Type A & B, and Tier 2-Type B Energy Charges	Schedule NS	Rider B is Included in the Energy Charges

¹This charge is not a part of the base fuel cost included in the energy prices stated in the Rate Schedules and should, therefore, be applied in addition to the prices stated in the Rate Schedules.

Docket E-22 Sub 558
Dominion Energy North Carolina
Comparison of Present Rates to Proposed Rates Effective February 1, 2019

Impact of Full Fuel Recovery and Mitigation Alternative
Reflects Percentage Change from Rates in Effect on Nov. 1, 2018 ⁽¹⁾

Typical Bill	Bill Impact of Full Fuel Recovery	Bill Impact of Fuel Mitigation Alternative
Schedule 1 (1,000 kWh)	5.24%	3.50%
Schedule 5 (50 kW 12,500 kWh)	6.70%	4.47%
Schedule 6P - Primary (1,000 KW 576,000 kWh)	8.80%	5.88%
Schedule 6L - Primary (10,000 KW 6,000,000 kWh)	9.85%	6.57%

Impact of Full Fuel Recovery Combined with Proposed Tax Act Reduction
and Impact of Mitigation Alternative and Proposed Tax Act Reduction ⁽²⁾
Reflects Percentage Change from Rates in Effect on Nov. 1, 2018 ⁽¹⁾

Typical Bill	Bill Impact of Full Fuel Recovery and Tax Act Reduction	Bill Impact of Fuel Mitigation Alternative and Tax Act Reduction
Schedule 1 (1,000 kWh)	1.09%	-0.65%
Schedule 5 (50 kW 12,500 kWh)	2.81%	0.59%
Schedule 6P - Primary (1,000 KW 576,000 kWh)	5.27%	2.35%
Schedule 6L - Primary (10,000 KW 6,000,000 kWh)	6.40%	3.13%

Notes:

1. Rider EDIT credit rider was no longer in effect beginning November 1, 2018.
2. Tax Act Reduction filed in Docket E-22 Sub 560.

Docket E-22 Sub 558
Dominion Energy North Carolina
Comparison of Class Revenue under Present Rates and Proposed Rates

Schedule 6VP

Impact of Full Fuel Recovery and Mitigation Alternative
 Reflects Percentage Change from Rates in Effect on Nov. 1, 2018

	<u>Present Revenue</u> <u>November 1, 2018</u>	<u>Proposed Revenue</u> <u>Full Fuel Recovery</u>	<u>Proposed Revenue</u> <u>Fuel Mitigation Alternative</u>
Basic Non-Fuel Revenue	\$ 10,420,290 ⁽²⁾	\$ 10,420,290 ⁽²⁾	\$ 10,420,290 ⁽²⁾
kWh	264,144,521 ⁽²⁾	264,144,521 ⁽²⁾	264,144,521 ⁽²⁾
Basic Non-Fuel per kWh	\$ 0.03945	\$ 0.03945	\$ 0.03945
Base Fuel per kWh	\$ 0.02043	\$ 0.02043	\$ 0.02043
Rider A per kWh	\$ 0.00006	\$ 0.00069	\$ 0.00069
Rider B EMF per kWh	\$ (0.00137)	\$ 0.00383	\$ 0.00192
Rider B2 EMF per kWh	\$ 0.00010	\$ -	\$ -
Total Fuel Recovery	\$ 0.01922	\$ 0.02495	\$ 0.02304
Annual Revenue ⁽¹⁾⁽⁴⁾	\$ 15,497,148	\$ 17,010,696	\$ 16,506,180
Percentage Change from November 1, 2018 Revenue		9.77%	6.51%

Schedule 6VP

Impact of Full Fuel Recovery Combined with Proposed Tax Act Reduction
 and Impact of Mitigation Alternative and Proposed Tax Act Reduction
 Reflects Percentage Change from Rates in Effect on Nov. 1, 2018

	<u>Present Revenue</u> <u>November 1, 2018</u>	<u>Proposed Revenue</u> <u>Fuel at Full Recovery</u> <u>and Tax Act Reduction</u>	<u>Proposed Revenue</u> <u>Fuel Mitigation Alternative</u> <u>and Tax Act Reduction</u>
Basic Non-Fuel Revenue	\$ 10,420,290 ⁽²⁾	\$ 9,885,460 ⁽³⁾	\$ 9,885,460 ⁽³⁾
kWh	264,144,521 ⁽²⁾	264,144,521 ⁽²⁾	264,144,521 ⁽²⁾
Basic Non-Fuel per kWh	\$ 0.03945	\$ 0.03742	\$ 0.03742
Base Fuel per kWh	\$ 0.02043	\$ 0.02043	\$ 0.02043
Rider A per kWh	\$ 0.00006	\$ 0.00069	\$ 0.00069
Rider B EMF per kWh	\$ (0.00137)	\$ 0.00383	\$ 0.00192
Rider B2 EMF per kWh	\$ 0.00010	\$ -	\$ -
Total Fuel Recovery	\$ 0.01922	\$ 0.02495	\$ 0.02304
Annual Revenue ⁽¹⁾⁽⁴⁾	\$ 15,497,148	\$ 16,475,866	\$ 15,971,350
Percentage Change from November 1, 2018 Revenue		6.32%	3.06%

Notes:

1. Rider EDIT credit rider was no longer in effect beginning November 1, 2018.
2. Docket E-22 Sub 560 Compliance Filing Attachment B filed October 25, 2018, Schedule 6VP Class Present Basic Revenue excluding fuel and kWh.
3. Docket E-22 Sub 560 Compliance Filing Attachment B filed October 25, 2018, Schedule 6VP Class Proposed Basic Revenue excluding fuel.
4. Excludes riders C, CE, RP and RPE.

OFFICIAL COPY

NOV 05 2018

Docket E-22 Sub 558
Dominion Energy North Carolina
Comparison of Class Revenue under Present Rates and Proposed Rates

Schedule NS

Impact of Full Fuel Recovery and Mitigation Alternative
 Reflects Percentage Change from Rates in Effect on Nov. 1, 2018

	<u>Present Revenue</u> <u>November 1, 2018</u>	<u>Proposed Revenue</u> <u>Full Fuel Recovery</u>	<u>Proposed Revenue</u> <u>Fuel Mitigation Alternative</u>
Basic Non-Fuel Revenue	\$ 25,255,623 ⁽²⁾	\$ 25,255,623 ⁽²⁾	\$ 25,255,623 ⁽²⁾
kWh	851,412,000 ⁽²⁾	851,412,000 ⁽²⁾	851,412,000 ⁽²⁾
Basic Non-Fuel per kWh	\$ 0.02966	\$ 0.02966	\$ 0.02966
Base Fuel per kWh	\$ 0.02014	\$ 0.02014	\$ 0.02014
Rider A per kWh	\$ 0.00006	\$ 0.00068	\$ 0.00068
Rider B EMF per kWh	\$ (0.00136)	\$ 0.00377	\$ 0.00189
Rider B2 EMF per kWh	\$ 0.00010	\$ -	\$ -
Total Fuel Recovery	\$ 0.01894	\$ 0.02459	\$ 0.02271
Annual Revenue ⁽¹⁾⁽⁴⁾	\$ 41,381,366	\$ 46,191,844	\$ 44,591,190
Percentage Change from November 1, 2018 Revenue		11.62%	7.76%

Schedule NS

Impact of Full Fuel Recovery Combined with Proposed Tax Act Reduction
 and Impact of Mitigation Alternative and Proposed Tax Act Reduction
 Reflects Percentage Change from Rates in Effect on Nov. 1, 2018

	<u>Present Revenue</u> <u>November 1, 2018</u>	<u>Proposed Revenue</u> <u>Fuel at Full Recovery</u> <u>and Tax Act Reduction</u>	<u>Proposed Revenue</u> <u>Fuel Mitigation Alternative</u> <u>and Tax Act Reduction</u>
Basic Non-Fuel Revenue	\$ 25,255,623 ⁽²⁾	\$ 23,959,638 ⁽³⁾	\$ 23,959,638 ⁽³⁾
kWh	851,412,000 ⁽²⁾	851,412,000 ⁽²⁾	851,412,000 ⁽²⁾
Basic Non-Fuel per kWh	\$ 0.02966	\$ 0.02814	\$ 0.02814
Base Fuel per kWh	\$ 0.02014	\$ 0.02014	\$ 0.02014
Rider A per kWh	\$ 0.00006	\$ 0.00068	\$ 0.00068
Rider B EMF per kWh	\$ (0.00136)	\$ 0.00377	\$ 0.00189
Rider B2 EMF per kWh	\$ 0.00010	\$ -	\$ -
Total Fuel Recovery	\$ 0.01894	\$ 0.02459	\$ 0.02271
Annual Revenue ⁽¹⁾⁽⁴⁾	\$ 41,381,366	\$ 44,895,859	\$ 43,295,205
Percentage Change from November 1, 2018 Revenue		8.49%	4.62%

Notes:

- Rider EDIT credit rider was no longer in effect beginning November 1, 2018.
- Docket E-22 Sub 560 Compliance Filing Attachment B filed October 25, 2018, Schedule NS Class Present Basic Revenue excluding fuel and kWh.
- Docket E-22 Sub 560 Compliance Filing Attachment B filed October 25, 2018, Schedule NS Class Proposed Basic Revenue excluding fuel.
- Excludes riders C, CE, RP and RPE.

EDUCATION

JD, 1996, licensed in Texas, South Texas College of Law, Houston, Texas

MBA, 1985, graduated with Honors, thesis on electric utility marketing, Lamar University, Beaumont, Texas

MS, College of Mineral and Energy Resources, 1979, awarded Federal Mining Fellowship, thesis on fuel transportation pricing and contracting, West Virginia University, Morgantown, West Virginia

BS, ECONOMICS, 1977, energy economics concentration, West Virginia University, Morgantown, West Virginia

EXECUTIVE PROFILE

As a Senior Executive in the energy industry was engaged in the development and implementation of commercial business plans. Initiatives undertaken included long term energy sales and marketing arrangements, energy procurement, development projects, asset expansions, asset management, mergers and acquisitions, and regulatory activities. Currently providing energy advisory services to clients involving the above matters and perform other energy related work assignments on the behalf of clients including expert testimony.

PROFESSIONAL EXPERIENCE

GDS ASSOCIATES, INC., Atlanta, GA Managing Director	2008 - Present
NRG Energy, New Roads, LA Vice President – Development	2006-2008
GDS ASSOCIATES, INC., Atlanta, GA Managing Director	2002-2006
ENTERGY WHOLESALE OPERATIONS, Houston, TX Senior Vice President - Business Development	1999-2002
AMERICAN ELECTRIC POWER (AEP), Columbus, OH, Houston, TX Vice President - Project Development	1997-1999
ENRON CAPITAL AND TRADE, Houston, TX Director	1991-1997
PEPSICO (FRITO-LAY), Plano, TX Energy Manager	1987-1991
Prior professional energy experience	1979-1987