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1 PLACE: Dobbs Building, Raleigh, North Carolina

2 DATE: Tuesday, November 12, 2019

3 TIME: 1:30 p.m. - 1:36 p.m.

4 DOCKET NO: E-22, Sub 579

5 BEFORE: Chair Charlotte A. Mitchell, Presiding

6 Commissioner ToNola D. Brown-Bland

7 Commissioner Lyons Gray

8 Commissioner Daniel G. Clodfelter

9
10
11 **IN THE MATTER OF:**

12 Application by Virginia Electric and Power Company,

13 d/b/a Dominion Energy North Carolina

14 Pursuant to N.C.G.S. § 62-133.2 and NCUC Rule R8-55

15 Regarding Fuel and Fuel-Related Charge Adjustments for

16 Electric Utilities

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24

NORTH CAROLINA UTILITIES COMMISSION

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NORTH CAROLINA UTILITIES COMMISSION

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

E X A M I N A T I O N S

DIRECT TESTIMONY and APPENDIX A OF KATHERINE E. FARMER.....	9
DIRECT TESTIMONY and APPENDIX A OF RONNIE T. CAMPBELL.....	24
DIRECT TESTIMONY and APPENDIX A OF DALE E. HINSON.....	32
DIRECT TESTIMONY and APPENDIX A OF TOM A. BROOKMIRE.....	41
DIRECT TESTIMONY and APPENDIX A OF GEORGE G. BEASLEY.....	51
DIRECT TESTIMONY and APPENDIX A OF DUSTIN R. METZ.....	62
DIRECT TESTIMONY and APPENDIX A OF JENNY LI.....	77

E X H I B I T S

IDENTIFIED/ADMITTED

DENC Exhibits 1 and 2.....	7/7
Company Exhibit 3.....	9/9
Company Exhibit KEF-1, Schedules 1-4...	9/9
Company Exhibit RTC-1, Schedules 1-5...	24/24
Company Exhibit DEH-1, Schedules 1.....	32/32
Company Exhibit GGB-1, Schedules 1-10..	51/51

NORTH CAROLINA UTILITIES COMMISSION

APPEARANCE SLIP

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APPEARING FOR: DE NC (Dominion)

APPLICANT: ✓ COMPLAINANT: ___ INTERVENOR: ___
PROTESTANT: ___ RESPONDENT: ___ DEFENDANT: ___

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NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE: November 12, 2019 **DOCKET NO.:** E-22, Sub 579 Fuel Cost Rider

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CITY: Raleigh **STATE:** NC **ZIP CODE:** 27602

APPEARING FOR: Carolina Industrial Group for Fair Utility Rates I (CIGFUR I)

APPLICANT: <input type="checkbox"/>	COMPLAINANT: <input type="checkbox"/>	INTERVENOR: <input checked="" type="checkbox"/>
PROTESTANT: <input type="checkbox"/>	RESPONDENT: <input type="checkbox"/>	DEFENDANT: <input type="checkbox"/>

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NORTH CAROLINA UTILITIES COMMISSION
PUBLIC STAFF - APPEARANCE SLIP

DATE November 12, 2019 DOCKET #: E-22, Sub 579

PUBLIC STAFF MEMBERS Lucy Edmondson

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Lucy Edmondson, Dustin Metz

Lucy Edmondson
Signature of Public Staff Member



**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 579

Filed: August 13, 2019

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. E-22, SUB 579

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. Gen. Stat. § 62-)
133.2 and NCUC Rule R8-55)
	APPLICATION FOR A CHANGE IN FUEL COMPONENT OF ELECTRIC RATES

Pursuant to North Carolina General Statutes ("N.C. Gen. Stat.") § 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, 2020, and remain in effect through January 31, 2021. 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:

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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 98 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: Katherine E. Farmer, Ronnie T. Campbell, Dale E. Hinson, 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, 2019 ("Test Period").

5. Consistent with the Company's 2018 Fuel Case, Updated Rider A and Rider B will be in effect for the twelve-month period from February 1, 2020, through January 31, 2021, the proposed "Rate Period."

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 23, 2019, in Docket No. E-22, Sub 558 ("2018 Fuel Order"), which approved the current Rider A and Experience Modification Factor ("EMF") Rider B. The 2016 Base Rate Case Order and the 2018 Fuel Order also set the marketer's percentage at 78% (to be reviewed during this proceeding or during the Company's next general rate case).

2019 Base Rate Application

7. On March 29, 2019, in Docket No. E-22, Sub 562 (the "2019 Base Rate Case"), the Company filed an application for authority to adjust and increase its retail electric rates and charges pursuant to N.C. Gen. Stat. §§ 62-133, 62-133.2, 62-134 and 62-135 (the "2019 Base Rate Application"). With regard to the base component of fuel, the rates presented in the 2019 Base Rate Application used the currently approved base fuel and Rider A rates for each class as a proposed "placeholder" base fuel rate, as discussed by Company Witness Paul B. Haynes in that case. The Company explained

that it planned to supplement this placeholder base fuel rate after filing its annual fuel factor application, with actual fuel rate information for the 12-month period ending June 30, 2019. Pursuant to the 2019 Base Rate Procedural Order,¹ the Company filed supplemental testimony and exhibits in that case on August 5, 2019, and will file additional supplemental testimony and exhibits in that case on or before August 14, 2019, supporting the proposed change to the base fuel factor and other updates.

8. In the 2019 Base Rate Application, the Company proposed through the direct testimony of Company Witness Bruce E. Petrie to update the marketer percentage that is used to approximate the percentage of unreported power purchase costs related to fuel to 71%. In this case, Company Witness Katherine E. Farmer uses the updated 71% marketer percentage to calculate costs associated with purchases of power from the PJM Interconnection, L.L.C. market and dispatchable non-utility generators.

9. Also in the 2019 Base Rate Application, the Company proposed to simultaneously implement the proposed non-fuel base rate increase and the proposed base fuel factor decrease discussed further herein on a temporary basis subject to refund on November 1, 2019, under the authority of N.C. Gen. Stat. § 62-135, and to put new permanent rates as approved by the Commission into effect on and after January 1, 2020. The Company stated that, prior to implementing these rates on November 1, 2019, DENC will provide the required notices pursuant to N.C. Gen. Stat. § 62-135(a) and seek Commission approval of the required bond or undertaking pursuant to N.C. Gen. Stat. § 62-135(c).

¹ *Order Scheduling Investigation and Hearings, Establishing Intervention and Testimony Due Dates and Discovery Guidelines and Requiring Public Notice*, at Ordering ¶ 8, Docket No. E-22, Subs 562 and 566 (May 30, 2019).

2019 Fuel Factor and Rate Adjustments

10. As explained by the direct testimony of Company Witness Farmer, 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 Farmer explains, this methodology is a fair representation of the expected expense rates during the February 1, 2020 through January 31, 2021 Rate Period.

11. For the Test Period, the normalized system fuel expense is \$1,783,381,223, which is then divided by system sales of 85,389,162,794 kWh, which reflect the normalization adjustments for change in usage, weather, and customer growth. The result is a normalized system average fuel factor of \$0.02092/ kWh, which is a decrease of 0.05 ¢/kWh, applicable to the North Carolina jurisdiction.

12. DENC has under-recovered its fuel costs for the Test Period by \$550,353. The total under-recovered fuel expense as of June 30, 2019, based on the current 78% marketer percentage, is provided in the direct testimony and exhibits of Company Witness Ronnie T. Campbell. This minor fuel under-recovery was primarily driven by moderate winter weather and the absence of major spikes or movements in commodity prices.

13. The Company calculated the EMF Rider B, including interest, applicable to the North Carolina jurisdiction and to each customer class using the methodology approved in the 2018 Fuel Order. These calculations are addressed in the direct testimony and exhibits of Company Witness George G. 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, effective February 1, 2020:

<u>Customer Class</u>	<u>Total</u>
Residential	\$0.02132
SGS & PA	\$0.02129
LGS	\$0.02112
Schedule NS	\$0.02049
6VP	\$0.02078
Outdoor Lighting	\$0.02132
Traffic	\$0.02132

15. For the North Carolina jurisdiction, the proposed jurisdictional fuel cost levels result in a total fuel recovery decrease of \$18,311,512.

16. As explained by Company Witnesses Farmer and Beasley, the Company anticipates over-recovery of fuel expenses during the second half of 2019 which, in the normal course under N.C. Gen. Stat. § 62-133.2, would be addressed through the EMF approved in the Company's 2020 fuel adjustment proceeding and effective in rates on and after February 1, 2021.

17. To reduce the anticipated over-recovery for the second half of 2019, and to further mitigate the effect of the November 1, 2019 non-fuel base rate increase on customer rates discussed above, the Company proposes to implement a three-month decrement rider, Rider AI, for each class to be effective November 1, 2019. The Rider AI rate will be equal to the proposed change between the actual February 1, 2019 customer class EMFs and the proposed February 1, 2020 customer class EMFs, or (\$0.00375)/kWh, for the North Carolina jurisdiction. Rider AI will remain in effect for three months until the currently approved EMF is reset effective February 1, 2020. The actual over/under recovery during the period July 1, 2019, to December 31, 2019, will be

included in the proposed EMF in the Company's 2020 fuel proceeding to be effective in rates on and after February 1, 2021. Rider A1 will reduce fuel recoveries for the months of November 2019 through January 2020.

18. The Company submits that the proposed voluntary decrement Rider A1 is reasonable, beneficial to customers, and in the public interest. Therefore, the Company requests that the Commission issue an order in this proceeding approving Rider A1 at a rate of (\$0.00375)/kWh, and directing notice to the public of this proposed action as may be required by N.C. Gen. Stat. §§ 62-133.2(d) and 62-134. Specifically, the Company requests that the Commission authorize Rider A1 to become effective for usage on and after November 1, 2019, through and including January 31, 2020, and to be allocated based on voltage-differentiated adjustments to the respective customer classes in the same manner as class fuel rates for the period have been determined (as set out more fully in the testimony of Company Witness Beasley).

WHEREFORE, Dominion Energy North Carolina respectfully requests that the Commission: (1) approve the proposed total fuel factor of 2.105 ¢/kWh, effective on a temporary basis November 1, 2019, and effective on a permanent basis February 1, 2020, which shall be allocated based on voltage differentiated adjustments, including the base fuel factor, Rider A, and EMF Rider B, as follows:

- (a) 2.132 ¢/kWh for the Residential class of customers,
- (b) 2.129 ¢/kWh for the Small General Service and Public Authority classes of customers,
- (c) 2.112 ¢/kWh for the Large General Service class of customers,
- (d) 2.049 ¢/kWh for the Schedule NS class of customers,
- (e) 2.078 ¢/kWh for the Schedule 6VP class of customers, and
- (f) 2.132 ¢/kWh for the Outdoor Lighting and Traffic classes of customers;

(2) issue an order authorizing implementation of a decrement Rider A1 of (\$0.00375)/kWh, to be effective for usage on and after November 1, 2019, through and including January 31, 2020, as set out herein; and (3) and grant any other relief the Commission deems appropriate.

Respectfully submitted, this the 13th day of August, 2019.

DOMINION ENERGY NORTH CAROLINA

By: /s/Mary Lynne Grigg
Counsel

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

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Rule R8-55(e)(1)

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55(e)(1)

Actual test period kWh sales, peak demand by customer class, fuel-related revenues, and fuel-related expenses for the utility's total system and for its North Carolina retail operations.

Response

See Exhibit RTC-1, Schedules 1 through 5 attached to the testimony of Ronnie T. Campbell for fuel-related expenses, actual test period kWh sales and fuel-related revenues for total system and for North Carolina retail operations.

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Question (e)(2):

Test period kWh sales normalized for weather, customer growth and usage. Said normalized kWh sales shall be for the utility's total system and for its North Carolina retail operations. The methodology used for such normalization shall be the same methodology adopted by the Commission, if any, in the utility's last general rate case.

Response:

Attached are the June 2019 test period kWh sales normalized for weather, customer growth and increased usage for the Company's total system and for the Company's North Carolina retail service. The methodology used for the normalization is consistent with the methodology used in Dominion Energy North Carolina's last general rate case (Docket No. E-22, Sub 532) and the last fuel charge adjustment case (Docket No. E-22, Sub 558).

** All pages previously
filed in docket (93 pgs)*

**VIRGINIA ELECTRIC AND POWER COMPANY
SUMMARY OF REGRESSION ANALYSIS
TWELVE MONTHS ENDED JUNE 30, 2019**

<u>JURISDICTION / CLASS</u>	<u>PERIOD MONTHS</u>	<u>CURVE TYPE</u>	<u>R-SQUARE</u>	<u>ACTUAL END OF PERIOD CUSTOMERS</u>	<u>PREDICTED END OF PERIOD CUSTOMERS</u>
NORTH CAROLINA					
RESIDENTIAL - 1	36	POLYNOMIAL	0.9846	103,409	103,406
COMMERCIAL - 7	36	POLYNOMIAL	0.9033	69	70
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.6405	12,094	12,081
STREET LIGHTS - 26	36	POLYNOMIAL	0.9689	251	251
TRAFFIC LIGHTS - 26	36	POLYNOMIAL	0.7608	193	192
PUBLIC AUTHORITY - 30	36	POLYNOMIAL	0.4606	1,076	1,075
PUBLIC AUTHORITY - 42	36	POLYNOMIAL	0.5034	757	758
COMMERCIAL - 5	36	POLYNOMIAL	0.9854	16,026	16,011
COMMERCIAL - 6	36	POLYNOMIAL	0.5439	34	34
INDUSTRIAL - 5	36	POLYNOMIAL	0.6535	24	24
INDUSTRIAL - 6	36	POLYNOMIAL	0.9259	22	22
INDUSTRIAL - 6VP	36	-NA-		3	3 #
INDUSTRIAL - NS	36	-NA-		1	1 #
VIRGINIA					
RESIDENTIAL - 1	36	POLYNOMIAL	0.9986	2,242,381	2,242,590
COMMERCIAL - 7	36	POLYNOMIAL	0.9914	380	377
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.7784	55,775	55,828
CHURCHES	36	POLYNOMIAL	0.8687	3,033	3,034
COMMERCIAL	36	POLYNOMIAL	0.9969	225,018	224,981
INDUSTRIAL	36	POLYNOMIAL	0.9342	588	588
INDUSTRIAL - 56-235.2	36	-NA-		0	0 #
COUNTY					
COUNTY ML&P	36	POLYNOMIAL	0.8688	4,004	4,001
MUNICIPAL ML&P	36	POLYNOMIAL	0.9534	17,282	17,268
COUNTY/MUNI STREET LIGHTS	36	POLYNOMIAL	0.9825	1,362	1,378
COUNTY/MUNI TRAFFIC LIGHTS	36	POLYNOMIAL	0.9906	1,202	1,200
STATE					
MISCELLANEOUS	36	POLYNOMIAL	0.8993	5,263	5,265
STREET LIGHTS	36	POLYNOMIAL	0.6927	222	222
TRAFFIC LIGHTS	36	POLYNOMIAL	0.9908	1,561	1,560
MS - GOVT. SERVICE	36	POLYNOMIAL	0.9076	49	49

ACTUAL CUSTOMERS USED IN THESE RATE SCHEDULES

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55 (e) (3)

Adjusted test period kWh generation corresponding to normalized test period kWh usage. The methodology for such adjustment shall be the same methodology adopted by the Commission in the utility's last general rate case, including adjustment by type of generation; i.e., nuclear, fossil pumped storage, purchased power, etc. In the event that said methodology is inconsistent with the normalization methodology set forth in paragraph (d)(1) above, additional pro forma calculations shall be presented incorporating the normalization methodology reflected in paragraph (d)(1).

Response

See Exhibit KEF-1, Schedule 4 attached to the testimony of Katherine E. Farmer.

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55 (e) (4)

Cost of fuel and applicable fuel-related costs corresponding to the adjusted test period kWh generation, including a detailed explanation showing how such cost of fuel and fuel-related costs were derived. The cost of fuel shall be based on end-of-period unit fuel prices incurred during the test period, although the Commission may consider other fuel prices if test period fuel prices are demonstrated to be non-representative on an on-going basis. Unit fuel prices shall include delivered fuel prices and burned fuel expense rates as appropriate.

Response

Consistent with the methodology applied in its 2018 fuel adjustment proceeding, the Company's cost of fuel calculations are generally based on the twelve month historical average for fuel prices incurred during the test period.

See Schedule attached.

**DOMINION ENERGY NORTH CAROLINA
FUEL AND PURCHASED POWER EXPENSE
IN DOLLARS PER MWH GENERATED**

Actual Fuel Expense Rate- \$/MWh

	July 2019 - June 2020 <u>12 month Average</u>
Nuclear	\$6.24
Coal (1)	\$32.03
Heavy Oil	\$0.00
Combined Cycle and Combustion Turbine (2)	\$27.24
Power Purchases (applic NUG and PJM mkt at 78%)	\$24.72

(1) Coal includes wood and natural gas steam generation.

(2) CC & CT includes jet oil, light oil, and natural gas generation

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55 (e)(5)

Procurement practices and inventories for fuel burned and for ammonia, lime, limestone, urea, dibasic acid, sorbents, and catalysts consumed in reducing or treating emissions.

Response

See the direct testimony of Dale E. Hinson for procurement practices and Schedule 5 of the testimony of Ronnie T. Campbell for inventories for fuel burned. Pursuant to G.S. § 62-133.2 (a3), the procurement practices and inventories for ammonia, lime, limestone, urea, dibasic acid, sorbents, and catalysts consumed in reducing or treating emissions are not applicable to the Company.

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55 (e) (6)

The cost of fuel burned and of ammonia, lime, limestone, urea, diabasic acid, sorbents, and catalysts consumed in reducing or treating emissions at each generating facility.

Response

See Exhibit RTC-1, Schedule 5 attached to the testimony of Ronnie T. Campbell for the cost of fuel burned. Pursuant to G.S. § 62-133.2 (a3), the cost of ammonia, lime, limestone, urea, dibasic acid, sorbents, and catalysts consumed in reducing or treating emissions are not applicable to the Company.

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55(e)(10)

The monthly fuel report and the monthly base load power plant performance report for the last month in the test period and any information required by Rules R8-52 and R8-53 for the test period which has not already been filed with the Commission. Further, such information for the complete 12-month test period shall be provided by the electric public utility to any intervenor upon request.

Response

The Monthly Base Load Power Plant Performance Reports for the months of July 2018 through December 2018 were filed in Docket No. E-22, Sub 552. The Monthly Base Load Power Plant Performance Reports for the months of January 2019 through June 2019 were filed in Docket No. E-22, Sub 564.

Rule R8-55(e)(11)

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55 (e) (11)

All workpapers supporting the calculations, adjustments and normalizations described above.

Response

Attached are the work papers supporting the testimony of Company witness Katherine E. Farmer.

**NORMALIZATION OF NUCLEAR GENERATION BASED ON EXPECTED NET CAPACITY FACTORS FOR RATE YEAR
COMPANY OWNERSHIP ONLY**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Unit	Actual Net Capacity Factor for 12 Months Ended June 2019	Expected Net Capacity Factor for 12 Months Ended Jan '21	MDC	Normalized Generation MDC x CF x 8760 Hrs. in Period (3) x (4) x 8760	Va. Power North Anna Portion (88.4%) NA (5) x 0.884	Va. Power Expected Nuc. Gen. (5) Surry, (6) NA	Va. Power Actual Nuc. Gen. 12 mos. Ended 6/19	Increase (Decrease) in Nuclear (7) - (8)
North Anna 1	101.1%	100.4%	948	8,337,600	7,370,438	7,370,438		
North Anna 2	89.9%	92.4%	944	7,645,040	6,758,215	6,758,215		
Total North Anna					14,128,653	14,128,653	13,998,765	
Surry 1	101.3%	100.2%	838	7,359,048		7,359,048		
Surry 2	90.6%	89.6%	838	6,573,792		6,573,792		
Total Surry						13,932,840	14,084,831	
Grand Total				29,915,480		28,061,493	28,083,596	(22,103)

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Rule R8-55 (e) (12)

The nuclear capacity rating(s) in the last rate case and the rating(s) proposed in this proceeding. If they differ, supporting justification for the change in nuclear capacity rating(s) since the last rate case.

Response

The nuclear net summer Maximum Dependable Capacity (MDC) ratings in the Company's last fuel case and the ratings proposed in this proceeding are as follows:

NUCLEAR UNIT	NET MDC MW LAST FUEL CASE DOCKET NO. E-22, SUB 558	NET MDC MW CURRENT PROCEEDING DOCKET NO. E-22, SUB 579
North Anna 1	948	948
North Anna 2	944	944
Surry 1	838	838
Surry 2	838	838

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 579
RULE R8-55**

Question (e)(13):

The proposed rate design to recover the electric public utility's cost of fuel and fuel-related costs.

Response:

See the testimony of George B. Beasley, and Exhibit GBB-1, Schedules 1 through 10.

DENC Exhibit 3
I, A

McGuireWoods LLP
434 Fayetteville Street
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October 31, 2019

VIA ELECTRONIC FILING

Ms. Kimberley A. Campbell, Chief Clerk
North Carolina Utilities Commission
Dobbs Building
430 North Salisbury Street
Raleigh, North Carolina 27603

*Re: Application of Dominion Energy North Carolina for Authority to Adjust its
Electric Rates and Charges and Revise its Fuel Factor Pursuant to N.C.
Gen. Stat. § 62-133.2 and NCUC Rule R8-55
Docket No. E-22, Sub 579*

Dear Ms. Campbell:

With this letter, Virginia Electric and Power Company, d/b/a Dominion Energy North Carolina ("DENC" or the "Company"), advises the North Carolina Utilities Commission ("Commission") that the Company is not filing rebuttal testimony in this proceeding. On October 22, 2019, the Public Staff filed the testimony of Dustin R. Metz and Jenny X. Li describing the Public Staff's investigation of the Company's request for cost recovery as filed in this docket on August 13, 2019. The Public Staff witnesses recommended that the Commission approve the Company's proposed fuel factor components and total fuel factor, as set forth in DENC's Application and testimony filed in this proceeding and in the Stipulation between the Company and the Public Staff in the Company's 2019 base rate case, Docket No. E-22, Sub 562 ("2019 Rate Case"). Witness Li also stated that the Public Staff does not object to DENC's proposed use of a 71% Marketer Percentage in this case, subject to the Commission's final order in the 2019 Rate Case. In light of the Public Staff's recommendations, the Company is filing this letter in lieu of rebuttal testimony in this proceeding.

Please do not hesitate to contact me if you have any questions. Thank you for your assistance in this matter.

Very truly yours,

/s/Andrea R. Kells

ARK:kjg

Oct 31 2019

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Letter in Lieu of Rebuttal Testimony, as filed in Docket No. E-22, Sub 579, was served electronically or via U.S. mail, first-class, postage prepaid, upon all parties of record.

This, the 31st day of October, 2019.

/s/Andrea R. Kells

Andrea R. Kells

McGuireWoods LLP

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

I/A

Docket No. E-22, Sub 579

**DOMINION ENERGY NORTH CAROLINA
EQUIVALENT AVAILABILITY FACTORS (%)
NUCLEAR AND LARGE COAL UNITS**

**Company Exhibit KEF-1
Schedule 1
Page 1 of 1**

July 2018-June 2019

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	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-18	99.3%	94.4%	100.0%	100.0%	99.1%	84.7%	93.2%	91.7%	95.2%	86.3%
Aug-18	99.5%	99.8%	100.0%	100.0%	89.5%	86.2%	81.1%	57.3%	88.3%	89.0%
Sep-18	99.7%	99.9%	100.0%	100.0%	99.2%	66.1%	97.2%	26.5%	39.5%	30.0%
Oct-18	99.9%	100.0%	81.7%	83.5%	99.2%	78.3%	82.0%	0.0%	0.0%	0.0%
Nov-18	99.9%	100.0%	100.0%	0.0%	75.5%	61.8%	0.7%	0.0%	39.1%	75.6%
Dec-18	100.0%	100.0%	100.0%	79.6%	91.5%	100.0%	58.7%	90.3%	99.2%	64.2%
Jan-19	91.4%	100.0%	100.0%	100.0%	91.3%	86.8%	94.3%	94.7%	83.5%	66.0%
Feb-19	100.0%	99.1%	100.0%	100.0%	32.2%	52.9%	61.2%	11.2%	83.2%	35.7%
Mar-19	100.0%	5.9%	100.0%	100.0%	0.0%	0.0%	76.8%	76.4%	68.7%	63.7%
Apr-19	100.0%	64.9%	100.0%	98.4%	0.0%	7.7%	52.3%	94.6%	6.7%	69.0%
May-19	100.0%	100.0%	100.0%	100.0%	81.0%	76.9%	52.3%	0.0%	0.0%	58.1%
Jun-19	100.0%	92.2%	100.0%	100.0%	61.1%	70.3%	79.0%	91.5%	45.7%	60.8%
12-Month Average	99.1%	87.9%	98.4%	88.5%	68.5%	64.5%	69.4%	53.2%	54.1%	58.4%

Aug 13 2019

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Docket No. E-22, Sub 579

**DOMINION ENERGY NORTH CAROLINA
NET CAPACITY FACTORS (%)
NUCLEAR AND LARGE COAL UNITS**

**Company Exhibit KEF-1
Schedule 2
Page 1 of 1**

July 2018-June 2019

	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-18	99.6%	94.7%	100.8%	101.0%	73.6%	55.6%	52.1%	37.0%	38.7%	71.5%
Aug-18	99.7%	100.1%	100.4%	100.2%	58.8%	56.4%	37.2%	37.2%	49.3%	76.2%
Sep-18	100.4%	100.9%	100.6%	100.3%	71.2%	34.0%	45.0%	20.4%	29.0%	20.9%
Oct-18	101.8%	102.7%	84.3%	85.3%	75.5%	58.5%	63.1%	0.0%	0.0%	0.0%
Nov-18	102.9%	103.8%	104.9%	0.0%	34.4%	0.0%	0.0%	3.0%	8.3%	69.1%
Dec-18	103.0%	103.8%	104.5%	83.2%	11.7%	0.0%	0.0%	7.5%	33.5%	47.4%
Jan-19	95.1%	103.4%	104.6%	104.4%	27.2%	29.3%	18.8%	26.7%	19.2%	26.8%
Feb-19	102.9%	101.1%	104.6%	104.4%	5.6%	0.0%	13.5%	3.2%	3.0%	13.1%
Mar-19	103.2%	5.7%	104.6%	104.3%	0.0%	0.0%	47.3%	9.6%	0.0%	23.4%
Apr-19	102.4%	68.6%	103.6%	100.7%	0.0%	6.3%	43.3%	0.0%	0.0%	26.5%
May-19	101.8%	102.5%	101.7%	101.7%	75.3%	71.2%	23.7%	0.0%	0.0%	42.8%
Jun-19	100.8%	93.4%	101.1%	101.3%	25.5%	61.2%	48.7%	51.6%	30.4%	26.6%
12-Month Average	101.1%	89.9%	101.3%	90.6%	38.6%	31.4%	32.9%	16.4%	17.7%	37.2%

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Actual 12-Month Ended June 2019

	<u>Generation (MWhs)</u>	<u>% of Energy Supply</u>
Nuclear	28,083,596	30.9%
Coal	9,259,384	10.2%
Heavy Oil	0	0.0%
Wood and Natural Gas Steam	1,032,011	1.1%
Combined Cycle and Combustion Turbine	35,509,724	39.1%
Solar and Hydro - Conventional and Pumped Storage	4,609,788	5.1%
Net Power Transactions	15,301,134	16.9%
Less Energy for Pumping	(3,038,494)	-3.3%
Total System	90,757,143	100.0%
Nuclear, Coal and Net Power Transactions		97.1%

DOMINION ENERGY NORTH CAROLINA
ENERGY AND FUEL EXPENSESNormalized and Adjusted Energy and Fuel Expense based on Actual 12-Months Ended June 2019
(Company Ownership Only)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	12-Months Ended June 2019								June 2019		
	Expense (\$)	Generation (MWh)	Rate (\$/MWh)	Supply (%)	Ratio of Coal Oil, CT & CC NUG & Other MWh To Total Sum	Coal, Oil, CT & CC, NUG, Other, Nuclear Adj. and Growth MWh	Adjusted Generation (MWh)	Expense (\$)	Generation (MWh)	Rate (\$/MWh)	Normalized & Adjusted Fuel Expense at Applicable Rate (8) x (11)
Coal (1)	329,626,242	10,291,395	32.03	11.3	0.1671	59,532,474	9,950,079	38,640,485	999,127	32.03	(5) 318,701,030
Nuclear											
Surry	86,857,325	14,084,831	6.17	15.5			13,932,840	7,679,153	1,216,093		
North Anna	88,327,543	13,998,765	6.31	15.4			14,128,653	7,827,546	1,214,886		
Total Nuclear	175,184,868	28,083,596	6.24	30.9			28,061,493	15,506,699	2,430,979	6.24	(5) 175,103,716
Heavy Oil	0	0	0.00	0.0	0.0000	59,532,474	0	0	0	0.00	(5) 0
CC & CT (2)	967,449,526	35,509,724	27.24	39.1	0.5767	59,532,474	34,331,961	78,233,786	4,004,986	27.24	(5) 935,202,618
Hydro	0	4,533,733		5.0			4,533,733	0	322,191		0
Solar		76,055		0.1			76,055		11,894		
Power Transactions											
NUG Fuel (6)	48,928,014	3,604,032	13.58	4.0	0.0585	59,532,474	3,484,495	3,416,701	207,158	13.58	(5) 47,305,190
PJM Purchases	341,059,652	12,169,620	28.03	13.4	0.1976	59,532,474	11,765,998	174,907	196,459	28.03	(7) 329,747,945
Marketer Percent Adj to 71%											(30,607,918)
NUG Expense Adj (8)											44,736,521
NCEMC Expense Adj (9)											(23,683,023)
Greenville Adjustment (10)											(39,997,000)
Congestion removed from Base (11)											31,820,071
Adjustments											
Sales for Resale	(4,947,928)	(472,518)	10.47	-0.5			(472,518)	0	(280,934)		(4,947,928) (3)
Net	385,039,738	15,301,134	25.16	16.9			14,777,975	3,591,608	122,683		354,373,859
Pumping	0	(3,038,494)		-3.3			(3,038,494)	0	(238,864)		0
Energy Supply	1,857,300,374	90,757,143	20.46	100.0			88,616,747	135,972,578	7,652,996	20.12 at gen level	1,783,381,223

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 2019
(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 71% of the fuel expense and the impact of the FTR
(8) NUG Expense adjustment includes the impact of statutory changes to NUG capacity and fuel expense
(9) System Expense adjustment includes the impact of the end of the NCEMC contract in Dec 2011
(10) System Expense adjustment includes the impact of a full year of operations for Greenville
(11) Purchased power expense adjusted for the impact of the removal of congestion expense from Base Rate

Aug 13 2019

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**Dominion Energy North Carolina
Actual System Fuel and Purchased Power Expenses
July 2018 - June 2019**

	System Expenses As Booked (1)	North Carolina System Expenses As Booked (2)
<u>Steam Generation Fuel Cost</u>		
July 2018	\$ 58,058,725	\$ 58,058,725
August	40,671,768	40,671,768
September	34,446,929	34,446,929
October	30,281,902	30,281,902
November	19,334,014	19,334,014
December	20,652,879	20,652,879
January 2019	24,861,983	24,861,983
February	10,521,449	10,521,449
March	15,189,154	15,189,154
April	13,477,365	13,477,365
May	29,044,241	29,044,241
June	33,085,832	33,085,832
FERC Account 501 - Steam Fuel Cost	<u>\$ 329,626,241</u>	<u>\$ 329,626,241</u>
<u>Nuclear Generation Fuel Cost</u>		
July 2018	\$ 16,678,671	\$ 15,172,542
August	16,720,875	15,929,444
September	15,827,981	15,486,024
October	14,781,402	14,375,330
November	12,631,733	12,110,737
December	15,564,053	15,500,480
January 2019	15,974,537	15,945,010
February	14,510,105	14,409,710
March	12,202,191	12,166,538
April	14,473,811	13,896,775
May	16,088,729	15,549,592
June	15,969,968	14,642,685
FERC Account 518 - Nuclear Fuel Cost	<u>\$ 181,424,055</u>	<u>\$ 175,184,868</u>

Dominion Energy North Carolina
Actual System Fuel and Purchased Power Expenses
July 2018 - June 2019

	System Expenses As Booked (1)	North Carolina System Expenses As Booked (2)
<u>Other Generation Fuel Cost</u>		
July 2018	\$ 69,195,504	\$ 69,195,504
August	87,333,353	87,333,353
September	69,673,944	69,673,944
October	54,200,460	54,200,460
November	81,600,777	81,600,777
December	94,139,139	94,139,139
January 2019	133,929,396	133,929,396
February	110,437,571	110,437,571
March	91,116,088	91,116,088
April	44,629,486	44,629,486
May	52,958,855	52,958,855
June	78,234,952	78,234,952
FERC Account 547 - Other Fuel Cost	<u>\$ 967,449,526</u>	<u>\$ 967,449,526</u>
Total Cost of Fuel Used in Current Generation	<u>\$ 1,478,499,823</u>	<u>\$ 1,472,260,636</u>
<u>Purchased Power</u>		
July 2018	58,553,840	\$ 29,607,716
August	75,074,803	27,171,649
September	73,756,154	34,646,775
October	91,770,946	49,204,640
November	102,463,399	60,305,911
December	61,295,311	32,729,354
January 2019	69,572,080	32,237,834
February	40,398,406	14,953,679
March	63,836,754	31,936,713
April	61,848,383	36,825,667
May	58,656,756	31,828,193
June	7,528,183	3,591,608
FERC Account 555 - Purchased Power Cost	<u>\$ 764,755,015</u>	<u>\$ 385,039,738</u>

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Dominion Energy North Carolina
Actual System Fuel and Purchased Power Expenses
July 2018 - June 2019

	System Expenses As Booked (1)	North Carolina System Expenses As Booked (2)
<u>Total Fuel and Purchased Power Cost</u>		
July 2018	\$ 202,486,740	\$ 172,034,487
August	219,800,800	171,106,214
September	193,705,008	154,253,672
October	191,034,710	148,062,333
November	216,029,924	173,351,440
December	191,651,382	163,021,853
January 2019	244,337,995	206,974,222
February	175,867,530	150,322,409
March	182,344,187	150,408,493
April	134,429,046	108,829,293
May	156,748,581	129,380,881
June	134,818,936	129,555,077
Total Fuel and Purchased Power Cost	\$ 2,243,254,838	\$ 1,857,300,374

**Dominion Energy North Carolina
North Carolina Recovery Experience
Twelve Months Ended June 2019**

PART I	July-18	August-18	September-18	October-18	November-18	December-18	January-19	February-19	March-19	April-19	May-19	June-19	Total
FERC Account 501 - Steam Fuel Cost	\$ 58,059,725	\$ 40,671,768	\$ 34,446,929	\$ 30,281,902	\$ 19,334,014	\$ 20,652,879	\$ 24,861,883	\$ 10,521,449	\$ 15,189,154	\$ 13,477,365	\$ 29,044,241	\$ 33,085,832	\$ 329,626,241
FERC Account 518 - Nuclear Fuel Cost	\$ 15,172,542	\$ 15,929,444	\$ 15,485,024	\$ 14,375,330	\$ 12,110,737	\$ 15,500,480	\$ 15,945,010	\$ 14,409,710	\$ 12,166,538	\$ 13,896,775	\$ 15,549,592	\$ 14,642,685	\$ 175,184,868
FERC Account 547 - Other Fuel Cost	\$ 69,195,504	\$ 87,333,353	\$ 69,673,944	\$ 54,200,460	\$ 81,600,777	\$ 94,139,139	\$ 133,929,396	\$ 110,437,571	\$ 91,116,088	\$ 44,629,486	\$ 52,958,855	\$ 78,234,952	\$ 967,449,526
FERC Account 555 - Purchased Power Cost	\$ 29,607,716	\$ 27,171,649	\$ 34,646,775	\$ 49,204,640	\$ 60,305,911	\$ 32,729,354	\$ 32,237,834	\$ 14,953,679	\$ 31,936,713	\$ 36,825,667	\$ 31,828,193	\$ 3,591,608	\$ 385,039,738
Total NC System Fuel and Purchased Power Cost	\$ 172,034,487	\$ 171,106,214	\$ 154,253,672	\$ 148,062,333	\$ 173,351,440	\$ 163,021,853	\$ 206,974,222	\$ 150,322,409	\$ 150,408,493	\$ 108,829,293	\$ 129,380,881	\$ 129,555,077	\$ 1,657,300,374
Exclude System AFUDC	(18,409)	(18,717)	(18,217)	(17,847)	(16,685)	(19,658)	(19,722)	(17,947)	(14,129)	(17,855)	(20,718)	(19,332)	(219,236)
Total NC System Fuel and Purchased Power Cost w/o AFUDC	\$ 172,016,078	\$ 171,087,497	\$ 154,235,455	\$ 148,044,485	\$ 173,334,754	\$ 163,002,195	\$ 206,954,500	\$ 150,304,462	\$ 150,394,364	\$ 108,811,439	\$ 129,360,163	\$ 129,535,745	\$ 1,857,081,139
PART II													
NC Jurisdictional Fuel and Purchased Power Cost w/o AFUDC	\$ 9,269,226	\$ 7,785,297	\$ 8,502,667	\$ 7,168,928	\$ 9,217,677	\$ 8,027,413	\$ 9,886,538	\$ 6,780,920	\$ 7,060,062	\$ 5,554,386	\$ 5,771,818	\$ 7,385,944	\$ 92,510,876
Credit for the fuel cost from Non-Requirement Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Credit for the fuel cost from PJM Off-system Sales	\$ (79,354)	\$ (1,900)	\$ (6,444)	\$ (488)	\$ (4,754)	\$ (39,341)	\$ (33,807)	\$ (38,162)	\$ (830)	\$ -	\$ (5,061)	\$ (67,242)	\$ (277,382)
Other Fuel Related Adjustments ⁽¹⁾	13,120	13,092	13,103	12,990	12,107	14,537	14,316	14,014	11,033	14,182	16,456	15,355	164,307
Adjusted NC Jurisdiction Fuel and Purchased Power Cost	\$ 9,202,992	\$ 7,796,489	\$ 8,509,326	\$ 7,181,431	\$ 9,225,030	\$ 8,002,610	\$ 9,967,048	\$ 6,756,772	\$ 7,070,265	\$ 5,568,568	\$ 5,783,213	\$ 7,334,057	\$ 92,397,802
PART III													
Adjusted NC Jurisdiction Fuel and Purchased Power Cost	\$ 9,202,992	\$ 7,796,489	\$ 8,509,326	\$ 7,181,431	\$ 9,225,030	\$ 8,002,610	\$ 9,967,048	\$ 6,756,772	\$ 7,070,265	\$ 5,568,568	\$ 5,783,213	\$ 7,334,057	\$ 92,397,802
NC Jurisdictional Revenue	(9,180,601)	(7,773,467)	(8,686,306)	(8,704,261)	(7,508,220)	(7,581,018)	(8,352,526)	(6,523,936)	(7,035,991)	(6,557,793)	(6,708,521)	(9,254,808)	(91,847,449)
(Over)/Under Recovery	\$ 22,391	\$ 23,022	\$ (176,980)	\$ 477,170	\$ 1,716,810	\$ 441,592	\$ 1,614,522	\$ 232,837	\$ 34,273	\$ (989,225)	\$ (925,308)	\$ (1,920,751)	\$ 550,353
Cumulative (Over)/Under Recovery	\$ 22,391	\$ 45,414	\$ (131,567)	\$ 345,603	\$ 2,062,413	\$ 2,504,004	\$ 4,118,526	\$ 4,351,363	\$ 4,385,636	\$ 3,396,411	\$ 2,471,104	\$ 550,353	

⁽¹⁾ Includes jurisdictional AFUDC and AFUDC tax credits.

**Dominion Energy North Carolina
Actual Kilowatt-hour (kWh) Sales
Twelve Months Ended June 2019**

(In Thousands)

	System kWh Sales*	North Carolina Retail kWh Sales*
	<u>(1)</u>	<u>(2)</u>
July 2018	8,214,825	442,467
August	8,199,615	372,965
September	7,595,195	418,504
October	6,656,594	322,144
November	6,822,348	362,604
December	7,394,922	364,016
January 2019	8,088,932	390,122
February	6,741,980	303,985
March	7,005,786	328,675
April	6,026,773	307,427
May	7,015,191	312,814
June	7,601,060	433,226
Total kWh Sales	<u><u>87,363,222</u></u>	<u><u>4,358,951</u></u>

*Including unbilled kWh sales.

**Dominion Energy North Carolina
Actual Fuel Related Revenues
Twelve Months Ended June 2019**

	System Fuel Related Revenues As Booked*	North Carolina Retail Fuel Factor Related Revenues*	
		Current Period	EMF Rider B
	(1)	(2)	(3)
July 2018	\$213,425,271	\$ 9,180,601	(569,969)
August	216,218,567	7,773,467	(482,238)
September	199,230,951	8,686,306	(539,376)
October	172,511,108	6,704,261	(416,202)
November	177,621,501	7,508,220	(466,330)
December	193,470,389	7,561,018	(469,463)
January 2019	213,581,280	8,352,526	1,538,807
February	177,737,987	6,523,936	1,181,390
March	184,416,577	7,035,991	1,274,107
April	157,725,298	6,557,793	1,187,556
May	184,071,713	6,708,521	1,214,876
June	200,360,016	9,254,808	1,676,005
Total Fuel Related Revenues	<u>\$ 2,290,370,657</u>	<u>\$ 91,847,449</u>	<u>\$ 5,129,164</u>

*Including unbilled kWh revenues.

Dominion Energy North Carolina

Inventories of Fuel Burned

As of June 30, 2019

<u>Fuel</u>	<u>Inventory Measure</u>		<u>Inventory Volume</u>	<u>Inventory Value</u>
(1)	(2)		(3)	(4)
Coal ^(b)	Tons	Coal Rec	1,430,049	\$ 92,253,466
Wood ^(b)	Tons	Wood & Jet Fuel Rec	60,679	1,840,562
Light Oil ^(a)	Gallons	Oil Rec	65,692,948	133,854,088
Heavy Oil ^(a)	Barrels	Oil Rec	1,563,468	73,904,515
Jet Fuel ^(a)	Gallons	Wood & Jet Fuel Rec	41,376	118,474
Natural Gas ^(a)	Dth	Power Gen. Summary	2,252,374	5,494,874
Nuclear Fuel Stock ^(b)	N/A			413,442,917
Total				<u>\$ 720,908,896</u>

(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 2018 - JUNE 2019
(IN THOUSANDS)

Dominion Energy North Carolina Receiving from Affiliate:

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

<u>Month</u>	<u>Amount</u>
July-18	\$81,113
August-18	\$83,071
September-18	\$72,530
October-18	\$57,793
November-18	\$85,733
December-18	\$119,857
January-19	\$139,220
February-19	\$111,496
March-19	\$92,302
April-19	\$44,925
May-19	\$53,665
June-19	\$79,605

Total Charged to FERC Account 151 \$1,021,310

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DOMINION ENERGY NORTH CAROLINA
SUMMARY REPORT OF FUEL TRANSACTIONS WITH AFFILIATES
FOR THE PERIOD JULY 2018 - JUNE 2019

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

	Volume			Dollars			WACOG		
	Purchase	Sale	Difference	Purchase	Sale	Difference	Purchase	Sale	Difference
Jul-18	25,801,856	25,802,798	(942)	\$ 69,726,721.31	\$ 69,725,893.51	\$ 827.81	\$ 2,702	\$ 2,702	0.000
Aug-18	25,997,243	25,999,855	(2,612)	\$ 72,937,825.48	\$ 72,946,644.48	\$ (8,819.00)	\$ 2,806	\$ 2,806	(0.000)
Sep-18	22,714,615	22,716,340	(1,725)	\$ 60,179,369.83	\$ 60,184,151.43	\$ (4,781.60)	\$ 2,649	\$ 2,649	(0.000)
Oct-18	27,639,458	27,643,942	(4,484)	\$ 77,662,566.76	\$ 77,684,213.82	\$ (21,647.06)	\$ 2,810	\$ 2,810	(0.000)
Nov-18	21,955,772	21,960,205	(4,433)	\$ 85,205,997.22	\$ 85,227,438.30	\$ (21,441.09)	\$ 3,881	\$ 3,881	(0.000)
Dec-18	27,671,012	27,671,011	1	\$ 122,784,106.60	\$ 122,783,483.04	\$ 623.56	\$ 4,437	\$ 4,437	0.000
Jan-19	26,647,311	26,647,914	(603)	\$ 129,234,252.91	\$ 129,237,539.53	\$ (3,286.62)	\$ 4,850	\$ 4,850	(0.000)
Feb-19	24,135,956	24,137,202	(1,246)	\$ 93,092,358.88	\$ 93,095,890.89	\$ (3,532.01)	\$ 3,857	\$ 3,857	0.000
Mar-19	24,447,471	24,442,788	4,683	\$ 77,287,041.73	\$ 77,275,943.48	\$ 11,098.25	\$ 3,161	\$ 3,162	(0.000)
Apr-19	19,934,450	19,939,449	(4,999)	\$ 47,646,624.25	\$ 47,658,949.78	\$ (12,325.52)	\$ 2,390	\$ 2,390	(0.000)
May-19	21,383,675	21,386,554	(2,879)	\$ 49,149,624.67	\$ 49,136,987.71	\$ 12,636.96	\$ 2,298	\$ 2,298	0.001
Jun-19	26,336,142	26,337,914	(1,772)	\$ 57,123,124.83	\$ 57,126,901.26	\$ (3,776.43)	\$ 2,169	\$ 2,169	0.000
Total	294,664,961	294,685,972	(21,011)	\$ 942,029,614.44	\$ 942,084,037.20	\$ (54,422.76)			

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DOMINION ENERGY NORTH CAROLINA
SUMMARY REPORT OF FUEL TRANSACTIONS WITH AFFILIATES
FOR THE PERIOD JULY 2018 - JUNE 2019

Company Exhibit DEH-1
Schedule 1
Page 3 of 3

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

July 2018 - June 2019 Contracted Affiliated Fuel Transactions

There were no affiliate transactions of Fuel from July 2018 through June 2019

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**SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION, AND CUSTOMER GROWTH
TWELVE MONTHS ENDED JUNE 30, 2019**

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Aug 13 2019

LINE	JURISDICTION	SYSTEM			
		CHANGE IN USAGE KWH	WEATHER NORM. KWH	CUSTOMER GROWTH KWH	TOTAL KWH
1)	NORTH CAROLINA (A)	11,286,173	(68,080,375)	6,442,356	(50,351,846)
2)	VIRGINIA	366,110,917	(1,941,516,788)	(19,161,626)	(1,594,567,497)
3)	COUNTY	(5,219,731)	(125,934,837)	(6,512,456)	(137,667,024)
4)	STATE	4,153,815	(16,713,886)	(1,272,398)	(13,832,469)
5)	MS - GOVERNMENTAL	(90,431,832)	(36,005,854)	0	(126,437,686)
7)	FERC	0	(51,202,684)	0	(51,202,684)
8)	SYSTEM KWH AT SALES LEVEL	285,899,342	(2,239,454,424)	(20,504,124)	(1,974,059,206)
9)	SUBTOTAL - SYSTEM KWH AT GENERATION LEVEL (LINE 8 x 2018 EXPANSION FACTOR) (B)				(2,064,400,051)

NOTES

() DENOTES NEGATIVE VALUE

(A) NORTH CAROLINA BY CLASS	CHANGE IN USAGE KWH	WEATHER NORM. KWH	CUSTOMER GROWTH KWH	TOTAL KWH
RESIDENTIAL	(12,901,450)	(54,078,438)	4,209,742	(62,770,146)
SGS / PA	(5,874,586)	(14,001,937)	2,223,225	(17,653,298)
LGS	9,190,699	0	0	9,190,699
NS	15,386,667	0	0	15,386,667
6VP	5,673,386	0	0	5,673,386
ODL & ST LTS	(177,195)	0	16,037	(161,158)
TRAFFIC	(11,348)	0	(6,648)	(17,996)
TOTAL	11,286,173	(68,080,375)	6,442,356	(50,351,846)

(B) 2018 SYSTEM EXPANSION FACTOR IS 1.045764

DOMINION ENERGY NORTH CAROLINA
CALCULATION OF SYSTEM AVERAGE FUEL FACTOR
0
TO BE EFFECTIVE FEBRUARY 1, 2020

EXPENSE:	12 MONTH NORMALIZED SYSTEM FUEL EXPENSE (A)	\$1,783,381,223
SALES:	12 MONTHS SYSTEM KWH SALES ADJUSTED FOR CHANGE IN USAGE, WEATHER AND CUSTOMER GROWTH (B)	85,389,162,794
FEE:	NORTH CAROLINA REGULATORY FEE ADJUSTMENT FACTOR	1.0013
FACTOR =	$\frac{\$1,783,381,223}{85,389,162,794} \times 1.0013$	
FACTOR =	\$0.02092 / KWH (C) (D)	

NOTES

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

(B) SYSTEM KWH AT SALES LEVEL [COMPANY EXHIBIT RC-1, SCHEDULE 3]	87,363,222,000
PLUS: SYSTEM KWH USAGE, WEATHER, GROWTH ADJUSTMENT [COMPANY EXHIBIT NO. GGB-1, SCHEDULE 1, LINE 8]	<u>(1,974,059,206)</u>
TOTAL SYSTEM SALES	85,389,162,794

(C) THE NORTH CAROLINA JURISDICTIONAL PROPOSED BASE FUEL FACTOR IS \$0.02092/KWH

(D) WITHOUT NC REGULATORY FEE \$0.02089 /KWH

0
CALCULATION OF FUEL COST RIDER A
0
TO BE EFFECTIVE FEBRUARY 1, 2020

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	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
CUSTOMER CLASS	KWH SALES (A)	SYSTEM FUEL FACTOR (B)	FUEL REVENUE UNIFORM RATE (1) x (2)	CLASS EXPANSION FACTOR	CLASS KWH @ GENERATION LEVEL (1) x (4)	JURISDICTIONAL UNIFORM RATE @ GENERATION LEVEL (3a) / (5a)	JURISDICTIONAL VOLTAGE DIFFERENTIATED RATE @ SALES LEVEL (4) x (6)	FUEL COST RIDER A RATE
RESIDENTIAL	1,548,263,854	\$0.02092	\$32,389,680	1.05139600	1,627,838,423	\$0.02014	\$0.02118	\$0.00000
SGS & PA	804,141,702	\$0.02092	\$16,822,644	1.05029107	844,582,849	\$0.02014	\$0.02115	\$0.00000
LGS	662,623,699	\$0.02092	\$13,862,088	1.04163425	690,211,541	\$0.02014	\$0.02098	\$0.00000
SCHEDULE NS	983,721,667	\$0.02092	\$20,579,457	1.01079000	994,336,024	\$0.02014	\$0.02036	\$0.00000
6VP	284,771,386	\$0.02092	\$5,957,417	1.02531900	291,981,513	\$0.02014	\$0.02065	\$0.00000
OUTDOOR LIGHTING	24,610,842	\$0.02092	\$514,859	1.05139600	25,875,741	\$0.02014	\$0.02118	\$0.00000
TRAFFIC	458,004	\$0.02092	\$9,581	1.05139600	481,544	\$0.02014	\$0.02118	\$0.00000
TOTAL	4,308,591,154		\$90,135,727 (3a)		4,475,307,635 (5a)			

NOTES

(A)	CHG IN USAGE, WEATHER		
	TEST YR KWH	CUST GROWTH ADJ	TOTAL*
RESIDENTIAL	1,611,034,000	(62,770,146)	1,548,263,854
SGS & PA	821,795,000	(17,653,298)	804,141,702
LGS	653,433,000	9,190,699	662,623,699
SCHEDULE NS	968,335,000	15,386,667	983,721,667
6VP	279,098,000	5,673,386	284,771,386
OUTDOOR LIGHTING	24,772,000	(161,158)	24,610,842
TRAFFIC	476,000	(17,996)	458,004
TOTAL	4,358,943,000	(50,351,846)	4,308,591,154

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

(B) IN \$/KWH

CALCULATION OF EXPERIENCE MODIFICATION FACTOR - RIDER B

TO BE EFFECTIVE FEBRUARY 1, 2020

EXPENSE:	JULY 1, 2018 - JUNE 30, 2019 NC JURISDICTIONAL FUEL EXPENSE UNDER RECOVERY (A)	\$550,353
INTEREST:	18 MONTHS AT 10%	<u>\$0</u>
NET:		\$550,353
SALES:	12 MONTHS JURISDICTIONAL KWH SALES ADJUSTED FOR CHANGE IN USAGE, WEATHER, AND CUSTOMER GROWTH (B)	4,308,591,154
FEE:	NORTH CAROLINA REGULATORY FEE ADJUSTMENT FACTOR	1.0013
FACTOR =	$\frac{\$550,353}{4,308,591,154} \times 1.0013$	
FACTOR =	\$0.00013 / 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 \$0.00013 /KWH

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Aug 13 2019

0
CALCULATION OF EXPERIENCE MODIFICATION FACTOR - RIDER B
0
TO BE EFFECTIVE FEBRUARY 1, 2020

	(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	1,548,263,854	\$0.00013	\$201,274	1.05139600	1,627,838,423	\$0.00013	\$0.00014
SGS & PA	804,141,702	\$0.00013	\$104,538	1.05029107	844,582,849	\$0.00013	\$0.00014
LGS	662,623,699	\$0.00013	\$86,141	1.04163425	690,211,541	\$0.00013	\$0.00014
SCHEDULE NS	983,721,667	\$0.00013	\$127,884	1.01079000	994,336,024	\$0.00013	\$0.00013
6VP	284,771,386	\$0.00013	\$37,020	1.02531900	291,981,513	\$0.00013	\$0.00013
OUTDOOR LIGHTING	24,610,842	\$0.00013	\$3,199	1.05139600	25,875,741	\$0.00013	\$0.00014
TRAFFIC	458,004	\$0.00013	\$60	1.05139600	481,544	\$0.00013	\$0.00014
TOTAL	4,308,591,154		\$560,117 (3a)		4,475,307,635 (5a)		

NOTES

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

(B) IN \$/KWH

**DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL COST LEVEL - PRESENT AND PROPOSED
TO BE EFFECTIVE FEBRUARY 1, 2020**

	(1)	(2)	(3)	(4)
<u>NC JURISDICTION</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02073	\$0.00069	\$0.00388	\$0.02530
PROPOSED	<u>\$0.02092</u>	<u>\$0.00000</u>	<u>\$0.00013</u>	<u>\$0.02105</u>
CHANGE	\$0.00019	(\$0.00069)	(\$0.00375)	(\$0.00425)
 <u>RESIDENTIAL</u>	 <u>BASE FUEL COMPONENT \$/KWH</u>	 <u>RIDER A FUEL CHARGE \$/KWH</u>	 <u>RIDER B EMF \$/KWH</u>	 <u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02095	\$0.00071	\$0.00392	\$0.02558
PROPOSED	<u>\$0.02118</u>	<u>\$0.00000</u>	<u>\$0.00014</u>	<u>\$0.02132</u>
CHANGE	\$0.00023	(\$0.00071)	(\$0.00378)	(\$0.00426)
 <u>SGS & PA</u>	 <u>BASE FUEL COMPONENT \$/KWH</u>	 <u>RIDER A FUEL CHARGE \$/KWH</u>	 <u>RIDER B EMF \$/KWH</u>	 <u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02093	\$0.00071	\$0.00392	\$0.02556
PROPOSED	<u>\$0.02115</u>	<u>\$0.00000</u>	<u>\$0.00014</u>	<u>\$0.02129</u>
CHANGE	\$0.00022	(\$0.00071)	(\$0.00378)	(\$0.00427)
 <u>LGS</u>	 <u>BASE FUEL COMPONENT \$/KWH</u>	 <u>RIDER A FUEL CHARGE \$/KWH</u>	 <u>RIDER B EMF \$/KWH</u>	 <u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02079	\$0.00068	\$0.00389	\$0.02536
PROPOSED	<u>\$0.02098</u>	<u>\$0.00000</u>	<u>\$0.00014</u>	<u>\$0.02112</u>
CHANGE	\$0.00019	(\$0.00068)	(\$0.00375)	(\$0.00424)

NOTES

() DENOTES NEGATIVE VALUE

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Aug 13 2019

DOMINION NORTH CAROLINA POWER
TOTAL FUEL COST LEVEL - PRESENT AND PROPOSED
TO BE EFFECTIVE FEBRUARY 1, 2020

	(1)	(2)	(3)	(4)
<u>SCHEDULE NS</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02014	\$0.00068	\$0.00377	\$0.02459
PROPOSED	\$0.02036	\$0.00000	\$0.00013	\$0.02049
CHANGE	\$0.00022	(\$0.00068)	(\$0.00364)	(\$0.00410)
 <u>6VP</u>	 <u>BASE FUEL COMPONENT \$/KWH</u>	 <u>RIDER A FUEL CHARGE \$/KWH</u>	 <u>RIDER B EMF \$/KWH</u>	 <u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02043	\$0.00069	\$0.00383	\$0.02495
PROPOSED	\$0.02065	\$0.00000	\$0.00013	\$0.02078
CHANGE	\$0.00022	(\$0.00069)	(\$0.00370)	(\$0.00417)
 <u>OUTDOOR LIGHTING</u>	 <u>BASE FUEL COMPONENT \$/KWH</u>	 <u>RIDER A FUEL CHARGE \$/KWH</u>	 <u>RIDER B EMF \$/KWH</u>	 <u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02095	\$0.00071	\$0.00392	\$0.02558
PROPOSED	\$0.02118	\$0.00000	\$0.00014	\$0.02132
CHANGE	\$0.00023	(\$0.00071)	(\$0.00378)	(\$0.00426)
 <u>TRAFFIC</u>	 <u>BASE FUEL COMPONENT \$/KWH</u>	 <u>RIDER A FUEL CHARGE \$/KWH</u>	 <u>RIDER B EMF \$/KWH</u>	 <u>TOTAL FUEL RATE \$/KWH</u>
PRESENT	\$0.02095	\$0.00071	\$0.00392	\$0.02558
PROPOSED	\$0.02118	\$0.00000	\$0.00014	\$0.02132
CHANGE	\$0.00023	(\$0.00071)	(\$0.00378)	(\$0.00426)

NOTES

() DENOTES NEGATIVE VALUE

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Aug 13 2019

DOMINION ENERGY NORTH CAROLINA
TOTAL FUEL RECOVERY
0
TO BE EFFECTIVE FEBRUARY 1, 2020

Company Exhibit GGB-1
Schedule 5
Page 1 of 1

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Aug 13 2019

	(1)	(2)	(3)	(4)	(5)	(6)
<u>CUSTOMER CLASS</u>	<u>SALES(KWH)</u>	<u>BASE FUEL COMPONENT (A)</u>	<u>FUEL COST RIDER A (B)</u>	<u>EMF RIDER B (C)</u>	<u>TOTAL (2) + (3) + (4)</u>	<u>TOTAL REVENUE (1) x (5)</u>
RESIDENTIAL	1,548,263,854	\$0.02118	\$0.00000	\$0.00014	\$0.02132	\$33,008,985
SGS & PA	804,141,702	\$0.02115	\$0.00000	\$0.00014	\$0.02129	\$17,120,177
LGS	662,623,699	\$0.02098	\$0.00000	\$0.00014	\$0.02112	\$13,994,613
SCHEDULE NS	983,721,667	\$0.02036	\$0.00000	\$0.00013	\$0.02049	\$20,156,457
6VP	284,771,386	\$0.02065	\$0.00000	\$0.00013	\$0.02078	\$5,917,549
OUTDOOR LIGHTING	24,610,842	\$0.02118	\$0.00000	\$0.00014	\$0.02132	\$524,703
TRAFFIC	458,004	\$0.02118	\$0.00000	\$0.00014	\$0.02132	\$9,765
TOTAL	4,308,591,154					\$90,732,249

	<u>SALES(KWH)</u>	<u>BASE FUEL COMPONENT</u>	<u>FUEL COST RIDER A</u>	<u>EMF RIDER B</u>	<u>TOTAL (2) + (3) + (4)</u>	<u>TOTAL REVENUE (1) x (5)</u>
NORTH CAROLINA JURISDICTION	4,308,591,154	\$0.02092	\$0.00000	\$0.00013	\$0.02105	\$90,695,844

	<u>SALES(KWH)</u>	<u>PRESENT TOTAL RATE</u>	<u>PROPOSED TOTAL RATE</u>	<u>TOTAL CHANGE (3) - (2)</u>	<u>TOTAL REVENUE CHANGE (4) x (1)</u>
NORTH CAROLINA JURISDICTION REVENUE CHANGE	4,308,591,154	\$0.02530	\$0.02105	(\$0.00425)	(\$18,311,512)

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

RIDER A

FUEL 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 B

EXPERIENCE 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	0.014¢/kWh
Schedule 1DF	Residential	0.014¢/kWh
Schedule 1P	Residential	0.014¢/kWh
Schedule 1T	Residential	0.014¢/kWh
Schedule 1W	Residential	0.014¢/kWh
Schedule 5	SGS & Public Authority	0.014¢/kWh
Schedule 5C	SGS & Public Authority	0.014¢/kWh
Schedule 5P	SGS & Public Authority	0.014¢/kWh
Schedule 7	SGS & Public Authority	0.014¢/kWh
Schedule 30	SGS & Public Authority	0.014¢/kWh
Schedule 42	SGS & Public Authority	0.014¢/kWh
Schedule 6C	Large General Service	0.014¢/kWh
Schedule 6P	Large General Service	0.014¢/kWh
Schedule 6L	Large General Service	0.014¢/kWh
Schedule 10	Large General Service	0.014¢/kWh
Schedule 26	Outdoor Lighting	0.014¢/kWh
Schedule 30T	Traffic Control	0.014¢/kWh
Schedule 6VP	6VP	0.013¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	0.013¢/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 A

FUEL 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.

**DOMINION ENERGY NORTH CAROLINA
CALCULATION OF RIDER A1 BY CLASS
TO BE EFFECTIVE NOVEMBER 1, 2019 - JANUARY 31, 2020**

	(1)	(2)	(3)
	PRESENT	PROPOSED	PROPOSED
	EMF RIDER B	EMF RIDER B	RIDER A1
<u>CUSTOMER CLASS</u>	<u>\$/KWH</u>	<u>\$/KWH</u>	<u>\$/KWH</u>
	(A)	(A)	(2) - (1)
NC JURISDICTION	\$0.00388	\$0.00013	(\$0.00375)
RESIDENTIAL	\$0.00392	\$0.00014	(\$0.00378)
SGS & PA	\$0.00392	\$0.00014	(\$0.00378)
LGS	\$0.00389	\$0.00014	(\$0.00375)
SCHEDULE NS	\$0.00377	\$0.00013	(\$0.00364)
6VP	\$0.00383	\$0.00013	(\$0.00370)
OUTDOOR LIGHTING	\$0.00392	\$0.00014	(\$0.00378)
TRAFFIC	\$0.00392	\$0.00014	(\$0.00378)

(A) FROM EXHIBIT NO. GGB-1 SCHEDULE 4, PAGE 1 AND 2

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Aug 13 2019

RIDER A1

FUEL 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	-0.378¢/kWh
Schedule 1DF	Residential	-0.378¢/kWh
Schedule 1P	Residential	-0.378¢/kWh
Schedule 1T	Residential	-0.378¢/kWh
Schedule 1W	Residential	-0.378¢/kWh
Schedule 5	SGS & Public Authority	-0.378¢/kWh
Schedule 5C	SGS & Public Authority	-0.378¢/kWh
Schedule 5P	SGS & Public Authority	-0.378¢/kWh
Schedule 7	SGS & Public Authority	-0.378¢/kWh
Schedule 30	SGS & Public Authority	-0.378¢/kWh
Schedule 42	SGS & Public Authority	-0.378¢/kWh
Schedule 6C	Large General Service	-0.375¢/kWh
Schedule 6P	Large General Service	-0.375¢/kWh
Schedule 6L	Large General Service	-0.375¢/kWh
Schedule 10	Large General Service	-0.375¢/kWh
Schedule 26	Outdoor Lighting	-0.378¢/kWh
Schedule 30T	Traffic Control	-0.378¢/kWh
Schedule 6VP	6VP	-0.370¢/kWh
Schedule NS Tier 2-Type A and Tier 3 Energy Charges	Schedule NS	-0.364¢/kWh
Schedule NS Tier 1 Type A & B, and Tier 2-Type B Energy Charges	Schedule NS	Rider A1 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.

**DOMINION ENERGY NORTH CAROLINA
SUMMARY OF PROPOSED TOTAL FUEL RATES BY CLASS
TO BE EFFECTIVE NOVEMBER 1, 2019**

	(1)	(2)	(3)	(4)	(5)
	TO BE EFFECTIVE NOVEMBER 1, 2019				
<u>CUSTOMER CLASS</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>PROPOSED RIDER A1 \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
NC JURISDICTION	\$0.02092	\$0.00000	(\$0.00375)	\$0.00388	\$0.02105
RESIDENTIAL	\$0.02118	\$0.00000	(\$0.00378)	\$0.00392	\$0.02132
SGS & PA	\$0.02115	\$0.00000	(\$0.00378)	\$0.00392	\$0.02129
LGS	\$0.02098	\$0.00000	(\$0.00375)	\$0.00389	\$0.02112
SCHEDULE NS	\$0.02036	\$0.00000	(\$0.00364)	\$0.00377	\$0.02049
6VP	\$0.02065	\$0.00000	(\$0.00370)	\$0.00383	\$0.02078
OUTDOOR LIGHTING	\$0.02118	\$0.00000	(\$0.00378)	\$0.00392	\$0.02132
TRAFFIC	\$0.02118	\$0.00000	(\$0.00378)	\$0.00392	\$0.02132

NOTES

() DENOTES NEGATIVE VALUE

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DOMINION ENERGY NORTH CAROLINA
SUMMARY OF PROPOSED TOTAL FUEL RATES BY CLASS
TO BE EFFECTIVE FEBRUARY 1, 2020

	(1)	(2)	(3)	(4)	(5)
	TO BE EFFECTIVE FEBRUARY 1, 2020				
<u>CUSTOMER CLASS</u>	<u>BASE FUEL COMPONENT \$/KWH</u>	<u>RIDER A FUEL CHARGE \$/KWH</u>	<u>PROPOSED RIDER A1 \$/KWH</u>	<u>RIDER B EMF \$/KWH</u>	<u>TOTAL FUEL RATE \$/KWH</u>
NC JURISDICTION	\$0.02092	\$0.00000	N/A	\$0.00013	\$0.02105
RESIDENTIAL	\$0.02118	\$0.00000	N/A	\$0.00014	\$0.02132
SGS & PA	\$0.02115	\$0.00000	N/A	\$0.00014	\$0.02129
LGS	\$0.02098	\$0.00000	N/A	\$0.00014	\$0.02112
SCHEDULE NS	\$0.02036	\$0.00000	N/A	\$0.00013	\$0.02049
6VP	\$0.02065	\$0.00000	N/A	\$0.00013	\$0.02078
OUTDOOR LIGHTING	\$0.02118	\$0.00000	N/A	\$0.00014	\$0.02132
TRAFFIC	\$0.02118	\$0.00000	N/A	\$0.00014	\$0.02132

NOTES

() DENOTES NEGATIVE VALUE

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