

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590**

**RULE R8-55
INFORMATION AND WORKPAPERS
AUGUST 11, 2020**

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590
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 590
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 2020 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 562) and the last fuel charge adjustment case (Docket No. E-22, Sub 579).

There is one change in how the data is presented. The Federal Government customers and usage in the Virginia Jurisdiction were removed and placed in the Virginia Non-Jurisdiction class and combined with the MS class. This was based upon an order from the Virginia State Corporation Commission to remove Federal Government customers and usage from the Virginia Jurisdiction cost of service. This impact can be seen in the MS class beginning in the month of January 2017.

**VIRGINIA ELECTRIC AND POWER COMPANY
SUMMARY OF REGRESSION ANALYSIS
TWELVE MONTHS ENDED JUNE 30, 2020**

<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	0.9899	104,502	104,457
COMMERCIAL - 7	36	POLYNOMIAL	0.9346	66	65
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.9578	12,279	12,283
STREET LIGHTS - 26	36	POLYNOMIAL	0.9499	252	252
TRAFFIC LIGHTS - 26	36	POLYNOMIAL	0.8321	192	192
PUBLIC AUTHORITY - 30	36	POLYNOMIAL	0.3422	1,068	1,068
PUBLIC AUTHORITY - 42	36	POLYNOMIAL	0.8683	749	750
COMMERCIAL - 5	36	POLYNOMIAL	0.9731	16,057	16,051
COMMERCIAL - 6	36	POLYNOMIAL	0.7282	33	33
INDUSTRIAL - 5	36	POLYNOMIAL	0.8248	26	26
INDUSTRIAL - 6	36	POLYNOMIAL	0.9531	21	21
INDUSTRIAL - 6VP	36	-NA-		3	3 #
INDUSTRIAL - NS	36	-NA-		1	1 #
VIRGINIA					
RESIDENTIAL - 1	36	POLYNOMIAL	0.9989	2,275,104	2,275,033
COMMERCIAL - 7	36	POLYNOMIAL	0.9887	363	366
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.9851	54,593	54,513
CHURCHES	36	POLYNOMIAL	0.7293	3,031	3,028
COMMERCIAL	36	POLYNOMIAL	0.9954	225,113	225,003
INDUSTRIAL	36	POLYNOMIAL	0.9707	571	571
INDUSTRIAL - 56-235.2	36	-NA-		0	0 #
COUNTY					
COUNTY ML&P	36	POLYNOMIAL	0.8139	4,158	4,182
MUNICIPAL ML&P	36	POLYNOMIAL	0.9661	16,940	16,894
COUNTY/MUNI STREET LIGHTS	36	POLYNOMIAL	0.9934	1,425	1,418
COUNTY/MUNI TRAFFIC LIGHTS	36	POLYNOMIAL	0.9920	1,228	1,231
STATE					
MISCELLANEOUS	36	POLYNOMIAL	0.7267	5,292	5,271
STREET LIGHTS	36	POLYNOMIAL	0.8164	220	220
TRAFFIC LIGHTS	36	POLYNOMIAL	0.9867	1,592	1,590
MS - GOVT. SERVICE	36	POLYNOMIAL	0.1244	1,866	1,850

ACTUAL CUSTOMERS USED IN THESE RATE SCHEDULES

VIRGINIA ELECTRIC AND POWER COMPANY
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2020
SYSTEM

Obs	JURISDICTION	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH	TOTAL KWH SALES AT GENERATION LEVEL
1	NORTH CAROLINA	-49,039,707	40,500,503	6,281,560	-2,257,644	-2,356,617
2	VIRGINIA	429,268,737	240,949,378	186,201,503	856,419,618	893,964,197
3	COUNTY/MUNICIPAL	-74,750,369	-43,036,429	-21,694,715	-139,481,513	-145,596,243
4	STATE	-36,941,992	-13,377,862	11,274,379	-39,045,475	-40,757,190
5	MS - GOVERNMENTAL	-813,392,490	2,377,150,405	73,520,659	1,637,278,574	1,709,055,230
6	FERC	0	-5,462,260	0	-5,462,260	-5,701,720
7	ODEC	0	0	0	0	0
		=====	=====	=====	=====	=====
		-544,855,821	2,596,723,735	255,583,386	2,307,451,300	2,408,607,657

DOMINION ENERGY NORTH CAROLINA
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2020
NORTH CAROLINA JURISDICTIONAL

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	NC RESIDENTIAL	-5,070,970	37,500,695	8,928,927	41,358,652
2	NC SCHEDULE 7	-47,353	48,835	-44,066	-42,584
3	NC OUTDOOR LIGHTING	22,380	0	160,712	183,092
4	NC STREET LIGHTS	-131,755	0	33,615	-98,140
5	NC TRAFFIC LIGHTS	-17,775	0	-1,197	-18,972
6	NC PUBLIC AUTHORITY	-1,128,740	-553,082	-476,908	-2,158,730
7	NC SCHEDULE 42	-182,590	850,008	-75,546	591,872
8	NC COMMERCIAL - 5	-14,398,830	2,578,803	1,388,576	-10,431,451
9	NC COMMERCIAL - 6	-1,568,250	0	-2,088,118	-3,656,368
10	NC INDUSTRIAL - 5	-142,110	75,244	412,247	345,381
11	NC INDUSTRIAL - 6	8,506,886	0	-1,956,682	6,550,204
12	NC INDUSTRIAL - 6VP	-8,472,578	0	0	-8,472,578
13	NC INDUSTRIAL - NUCOR	-26,408,022	0	0	-26,408,022
		=====	=====	=====	=====
		-49,039,707	40,500,503	6,281,560	-2,257,644

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNCRES
RESIDENTIAL
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	156,028	102,863	1,517					
2	2018	8	168,560	102,965	1,637					
3	2018	9	133,987	103,001	1,301					
4	2018	10	109,725	102,929	1,066					
5	2018	11	82,956	102,990	805					
6	2018	12	114,015	103,138	1,105					
7	2019	1	174,329	103,242	1,689					
8	2019	2	149,788	103,187	1,452					
9	2019	3	128,979	103,294	1,249					
10	2019	4	111,642	103,273	1,081					
11	2019	5	100,929	103,296	977					
12	2019	6	113,113	103,409	1,094	1,544,050	14,972		103,400	
13	2019	7	161,072	103,574	1,555					
14	2019	8	165,619	103,601	1,599					
15	2019	9	130,571	103,609	1,260					
16	2019	10	97,005	103,558	937					
17	2019	11	79,745	103,630	770					
18	2019	12	127,785	103,813	1,231					
19	2020	1	181,667	103,894	1,749					
20	2020	2	148,700	103,865	1,432					
21	2020	3	146,554	104,001	1,409					
22	2020	4	112,088	104,132	1,076					
23	2020	5	77,836	104,359	746					
24	2020	6	116,266	104,502	1,113	1,544,910	14,875	-97	104,457	-5,070,970

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCRES
RESIDENTIAL
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	161,072	170,434	-9,362			
2	2019	8	165,619	172,930	-7,311			
3	2019	9	130,571	141,746	-11,175			
4	2019	10	97,005	116,021	-19,016			
5	2019	11	79,745	79,137	608			
6	2019	12	127,785	132,085	-4,300			
7	2020	1	181,667	150,404	31,263			
8	2020	2	148,700	118,636	30,064			
9	2020	3	146,554	129,117	17,437			
10	2020	4	112,088	95,249	16,839			
11	2020	5	77,836	81,414	-3,578			
12	2020	6	116,266	120,236	-3,970	1,544,910	1,507,409	37,500,695

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	103,452	103,574	883	161,072	1,555	1,373,188	
2	2019	8	103,506	103,601	856	165,619	1,599	1,368,422	
3	2019	9	103,565	103,609	848	130,571	1,260	1,068,673	
4	2019	10	103,628	103,558	899	97,005	937	842,112	
5	2019	11	103,697	103,630	827	79,745	770	636,391	
6	2019	12	103,774	103,813	644	127,785	1,231	792,709	
7	2020	1	103,859	103,894	563	181,667	1,749	984,451	
8	2020	2	103,953	103,865	592	148,700	1,432	847,546	
9	2020	3	104,059	104,001	456	146,554	1,409	642,577	
10	2020	4	104,177	104,132	325	112,088	1,076	349,831	
11	2020	5	104,309	104,359	98	77,836	746	73,093	
12	2020	6	104,457	104,502	-45	116,266	1,113	-50,066	8,928,927
			=====	=====	=====				
			1,246,538		6,946				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNC78
SCHEDULE 7
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	128	71	1,803					
2	2018	8	136	70	1,939					
3	2018	9	121	70	1,726					
4	2018	10	87	70	1,240					
5	2018	11	58	69	846					
6	2018	12	100	69	1,453					
7	2019	1	173	69	2,506					
8	2019	2	188	69	2,722					
9	2019	3	135	70	1,922					
10	2019	4	103	70	1,466					
11	2019	5	76	70	1,086					
12	2019	6	83	69	1,206	1,387	19,914		69	
13	2019	7	112	69	1,623					
14	2019	8	128	69	1,859					
15	2019	9	113	69	1,638					
16	2019	10	67	68	990					
17	2019	11	60	68	878					
18	2019	12	109	67	1,623					
19	2020	1	166	67	2,480					
20	2020	2	164	67	2,455					
21	2020	3	140	66	2,126					
22	2020	4	88	66	1,338					
23	2020	5	37	66	566					
24	2020	6	58	66	882	1,244	18,457	-1,457	65	-47,353

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNC78
SCHEDULE 7
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	112	127	-15			
2	2019	8	128	140	-12			
3	2019	9	113	131	-18			
4	2019	10	67	98	-31			
5	2019	11	60	59	1			
6	2019	12	109	115	-6			
7	2020	1	166	120	46			
8	2020	2	164	120	44			
9	2020	3	140	115	25			
10	2020	4	88	64	24			
11	2020	5	37	42	-5			
12	2020	6	58	64	-6	1,244	1,195	48,835

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	69	69	-4	112	1,623	-6,493	
2	2019	8	69	69	-4	128	1,855	-7,420	
3	2019	9	68	69	-4	113	1,638	-6,551	
4	2019	10	68	68	-3	67	985	-2,956	
5	2019	11	68	68	-3	60	882	-2,647	
6	2019	12	68	67	-2	109	1,627	-3,254	
7	2020	1	67	67	-2	166	2,478	-4,955	
8	2020	2	67	67	-2	164	2,448	-4,896	
9	2020	3	67	66	-1	140	2,121	-2,121	
10	2020	4	66	66	-1	88	1,333	-1,333	
11	2020	5	66	66	-1	37	561	-561	
12	2020	6	65	66	-1	58	879	-879	-44,066
			=====	=====	=====				
			808		-28				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNCLTS
OUTDOOR LIGHTING
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	1,408	12,112	116					
2	2018	8	1,452	12,117	120					
3	2018	9	1,357	12,101	112					
4	2018	10	1,457	12,080	121					
5	2018	11	1,355	12,098	112					
6	2018	12	1,305	12,100	108					
7	2019	1	1,513	12,095	125					
8	2019	2	1,303	12,097	108					
9	2019	3	1,413	12,094	117					
10	2019	4	1,400	12,084	116					
11	2019	5	1,508	12,083	125					
12	2019	6	1,291	12,094	107	16,762	1,386		12,098	
13	2019	7	1,497	12,105	124					
14	2019	8	1,445	12,105	119					
15	2019	9	1,376	12,102	114					
16	2019	10	1,472	12,122	121					
17	2019	11	1,240	12,129	102					
18	2019	12	1,417	12,148	117					
19	2020	1	1,507	12,182	124					
20	2020	2	1,294	12,187	106					
21	2020	3	1,500	12,189	123					
22	2020	4	1,378	12,218	113					
23	2020	5	1,277	12,247	104					
24	2020	6	1,502	12,279	122	16,905	1,389	4	12,283	22,380

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCLTS
OUTDOOR LIGHTING
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	1,497	
2	2019	8	1,445	
3	2019	9	1,376	
4	2019	10	1,472	
5	2019	11	1,240	
6	2019	12	1,417	
7	2020	1	1,507	
8	2020	2	1,294	
9	2020	3	1,500	
10	2020	4	1,378	
11	2020	5	1,277	
12	2020	6	1,502	16,905,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	12,102	12,105	178	1,497	124	22,013	
2	2019	8	12,106	12,105	178	1,445	119	21,248	
3	2019	9	12,113	12,102	181	1,376	114	20,580	
4	2019	10	12,121	12,122	161	1,472	121	19,551	
5	2019	11	12,131	12,129	154	1,240	102	15,744	
6	2019	12	12,143	12,148	135	1,417	117	15,747	
7	2020	1	12,158	12,182	101	1,507	124	12,494	
8	2020	2	12,176	12,187	96	1,294	106	10,193	
9	2020	3	12,197	12,189	94	1,500	123	11,568	
10	2020	4	12,222	12,218	65	1,378	113	7,331	
11	2020	5	12,250	12,247	36	1,277	104	3,754	
12	2020	6	12,283	12,279	4	1,502	122	489	160,712
				=====	=====				
				146,013	1,383				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	7,288	1,076	6,773					
2	2018	8	7,620	1,076	7,082					
3	2018	9	7,333	1,079	6,796					
4	2018	10	6,487	1,079	6,012					
5	2018	11	5,757	1,086	5,301					
6	2018	12	5,962	1,092	5,459					
7	2019	1	6,499	1,077	6,035					
8	2019	2	6,304	1,073	5,876					
9	2019	3	5,949	1,074	5,539					
10	2019	4	5,832	1,073	5,436					
11	2019	5	5,997	1,078	5,563					
12	2019	6	6,855	1,076	6,370	77,883	72,242		1,077	
13	2019	7	7,574	1,076	7,039					
14	2019	8	7,577	1,074	7,055					
15	2019	9	7,372	1,073	6,870					
16	2019	10	6,187	1,072	5,771					
17	2019	11	5,775	1,079	5,352					
18	2019	12	6,075	1,088	5,584					
19	2020	1	6,876	1,076	6,391					
20	2020	2	6,420	1,077	5,961					
21	2020	3	6,198	1,072	5,782					
22	2020	4	5,201	1,070	4,861					
23	2020	5	4,520	1,071	4,221					
24	2020	6	5,598	1,068	5,241	75,374	70,128	-2,114	1,068	-1,128,740

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCPA
PUBLIC AUTHORITY
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	7,574	7,918	-344			
2	2019	8	7,577	7,843	-266			
3	2019	9	7,372	7,794	-422			
4	2019	10	6,187	7,041	-854			
5	2019	11	5,775	5,821	-46			
6	2019	12	6,075	6,125	-50			
7	2020	1	6,876	6,402	474			
8	2020	2	6,420	5,961	459			
9	2020	3	6,198	5,955	243			
10	2020	4	5,201	5,004	197			
11	2020	5	4,520	4,401	119			
12	2020	6	5,598	5,662	-64	75,374	75,927	-553,082

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	1,077	1,076	-8	7,574	7,039	-56,312	
2	2019	8	1,077	1,074	-6	7,577	7,055	-42,330	
3	2019	9	1,077	1,073	-5	7,372	6,870	-34,352	
4	2019	10	1,077	1,072	-4	6,187	5,771	-23,086	
5	2019	11	1,077	1,079	-11	5,775	5,352	-58,874	
6	2019	12	1,077	1,088	-20	6,075	5,584	-111,673	
7	2020	1	1,076	1,076	-8	6,876	6,390	-51,123	
8	2020	2	1,075	1,077	-9	6,420	5,961	-53,649	
9	2020	3	1,074	1,072	-4	6,198	5,782	-23,127	
10	2020	4	1,072	1,070	-2	5,201	4,861	-9,721	
11	2020	5	1,071	1,071	-3	4,520	4,220	-12,661	
12	2020	6	1,068	1,068	0	5,598	5,242	0	-476,908
			=====	=====	=====				
			12,896		-80				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	3,453	755	4,574					
2	2018	8	3,469	757	4,582					
3	2018	9	3,256	759	4,290					
4	2018	10	3,166	759	4,171					
5	2018	11	2,412	760	3,174					
6	2018	12	3,424	760	4,505					
7	2019	1	4,261	758	5,622					
8	2019	2	4,401	758	5,806					
9	2019	3	3,779	758	4,985					
10	2019	4	3,171	757	4,188					
11	2019	5	2,883	756	3,813					
12	2019	6	2,928	757	3,868	40,601	53,577		755	
13	2019	7	3,456	754	4,583					
14	2019	8	3,533	750	4,710					
15	2019	9	3,185	750	4,247					
16	2019	10	2,957	752	3,932					
17	2019	11	2,581	752	3,432					
18	2019	12	3,695	752	4,913					
19	2020	1	4,613	752	6,134					
20	2020	2	4,190	753	5,565					
21	2020	3	3,908	750	5,211					
22	2020	4	3,134	751	4,173					
23	2020	5	2,145	751	2,856					
24	2020	6	2,497	749	3,334	39,893	53,090	-487	750	-182,590

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNC42
SCHEDULE 42
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	3,456	3,642	-186			
2	2019	8	3,533	3,678	-145			
3	2019	9	3,185	3,407	-222			
4	2019	10	2,957	3,329	-372			
5	2019	11	2,581	2,565	16			
6	2019	12	3,695	3,786	-91			
7	2020	1	4,613	3,954	659			
8	2020	2	4,190	3,556	634			
9	2020	3	3,908	3,541	367			
10	2020	4	3,134	2,778	356			
11	2020	5	2,145	2,227	-82			
12	2020	6	2,497	2,580	-83	39,893	39,043	850,008

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	755	754	-4	3,456	4,584	-18,334	
2	2019	8	754	750	0	3,533	4,711	0	
3	2019	9	753	750	0	3,185	4,247	0	
4	2019	10	753	752	-2	2,957	3,932	-7,864	
5	2019	11	752	752	-2	2,581	3,432	-6,864	
6	2019	12	752	752	-2	3,695	4,914	-9,827	
7	2020	1	751	752	-2	4,613	6,134	-12,269	
8	2020	2	751	753	-3	4,190	5,564	-16,693	
9	2020	3	750	750	0	3,908	5,211	0	
10	2020	4	750	751	-1	3,134	4,173	-4,173	
11	2020	5	750	751	-1	2,145	2,856	-2,856	
12	2020	6	750	749	1	2,497	3,334	3,334	-75,546
			=====	=====	=====				
				9,016	-16				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	65,134	15,902	4,096					
2	2018	8	68,303	15,917	4,291					
3	2018	9	62,866	15,918	3,949					
4	2018	10	60,496	15,919	3,800					
5	2018	11	46,677	15,946	2,927					
6	2018	12	52,023	15,958	3,260					
7	2019	1	56,881	15,958	3,564					
8	2019	2	53,470	15,980	3,346					
9	2019	3	48,345	15,974	3,026					
10	2019	4	46,240	15,982	2,893					
11	2019	5	50,652	15,997	3,166					
12	2019	6	54,277	16,026	3,387	665,365	41,707		15,999	
13	2019	7	63,967	16,030	3,990					
14	2019	8	64,468	16,034	4,021					
15	2019	9	57,891	16,030	3,611					
16	2019	10	57,855	16,010	3,614					
17	2019	11	48,977	15,986	3,064					
18	2019	12	53,523	15,985	3,348					
19	2020	1	58,739	15,985	3,675					
20	2020	2	53,203	15,994	3,326					
21	2020	3	49,725	16,013	3,105					
22	2020	4	44,240	16,024	2,761					
23	2020	5	36,856	16,057	2,295					
24	2020	6	49,816	16,057	3,102	639,259	39,913	- 1,794	16,051	- 14,398,830

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCCOM5
COMMERCIAL 5
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	63,967	66,324	-2,357			
2	2019	8	64,468	66,302	-1,834			
3	2019	9	57,891	60,748	-2,857			
4	2019	10	57,855	63,197	-5,342			
5	2019	11	48,977	49,064	-87			
6	2019	12	53,523	54,217	-694			
7	2020	1	58,739	53,272	5,467			
8	2020	2	53,203	47,929	5,274			
9	2020	3	49,725	46,738	2,987			
10	2020	4	44,240	41,484	2,756			
11	2020	5	36,856	36,876	-20			
12	2020	6	49,816	50,529	-713	639,259	636,680	2,578,803

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	16,001	16,030	21	63,967	3,990	83,800	
2	2019	8	16,003	16,034	17	64,468	4,021	68,352	
3	2019	9	16,004	16,030	21	57,891	3,611	75,840	
4	2019	10	16,005	16,010	41	57,855	3,614	148,161	
5	2019	11	16,006	15,986	65	48,977	3,064	199,143	
6	2019	12	16,007	15,985	66	53,523	3,348	220,990	
7	2020	1	16,009	15,985	66	58,739	3,675	242,526	
8	2020	2	16,013	15,994	57	53,203	3,326	189,607	
9	2020	3	16,018	16,013	38	49,725	3,105	118,001	
10	2020	4	16,026	16,024	27	44,240	2,761	74,543	
11	2020	5	16,037	16,057	-6	36,856	2,295	-13,772	
12	2020	6	16,051	16,057	-6	49,816	3,102	-18,615	1,388,576
			=====	=====	=====				
			192,205		407				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNCCOM6
COMMERCIAL 6
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	12,779	34	375,853					
2	2018	8	13,397	34	394,029					
3	2018	9	12,928	34	380,235					
4	2018	10	12,944	34	380,706					
5	2018	11	10,341	34	304,147					
6	2018	12	10,296	34	302,824					
7	2019	1	10,131	34	297,971					
8	2019	2	9,706	34	285,471					
9	2019	3	9,723	34	285,971					
10	2019	4	9,979	34	293,500					
11	2019	5	11,261	34	331,206					
12	2019	6	12,502	34	367,706	135,987	3,999,618		34	
13	2019	7	11,136	34	327,529					
14	2019	8	13,271	34	390,324					
15	2019	9	10,260	34	301,765					
16	2019	10	15,253	34	448,618					
17	2019	11	9,533	33	288,879					
18	2019	12	12,131	33	367,606					
19	2020	1	11,145	34	327,794					
20	2020	2	9,931	34	292,088					
21	2020	3	9,996	33	302,909					
22	2020	4	9,330	33	282,727					
23	2020	5	8,595	33	260,455					
24	2020	6	10,358	33	313,879	130,939	3,904,572	-95,045	33	-1,568,250

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCCOM6
COMMERCIAL 6
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	11,136	
2	2019	8	13,271	
3	2019	9	10,260	
4	2019	10	15,253	
5	2019	11	9,533	
6	2019	12	12,131	
7	2020	1	11,145	
8	2020	2	9,931	
9	2020	3	9,996	
10	2020	4	9,330	
11	2020	5	8,595	
12	2020	6	10,358	130,939,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	34	34	-1	11,136	327,529	-327,529	
2	2019	8	34	34	-1	13,271	390,324	-390,324	
3	2019	9	34	34	-1	10,260	301,765	-301,765	
4	2019	10	34	34	-1	15,253	448,618	-448,618	
5	2019	11	34	33	0	9,533	288,879	0	
6	2019	12	33	33	0	12,131	367,606	0	
7	2020	1	33	34	-1	11,145	327,794	-327,794	
8	2020	2	33	34	-1	9,931	292,088	-292,088	
9	2020	3	33	33	0	9,996	302,909	0	
10	2020	4	33	33	0	9,330	282,727	0	
11	2020	5	33	33	0	8,595	260,455	0	
12	2020	6	33	33	0	10,358	313,879	0	-2,088,118
				=====	=====				
				402	-6				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	1,270	24	52,920					
2	2018	8	1,283	24	53,444					
3	2018	9	1,347	24	56,133					
4	2018	10	1,438	24	59,911					
5	2018	11	1,200	24	50,006					
6	2018	12	1,253	24	52,218					
7	2019	1	1,226	24	51,091					
8	2019	2	1,260	24	52,491					
9	2019	3	1,239	24	51,627					
10	2019	4	1,223	24	50,965					
11	2019	5	1,292	24	53,823					
12	2019	6	1,282	24	53,401	15,313	638,029		24	
13	2019	7	1,310	24	54,593					
14	2019	8	1,252	25	50,061					
15	2019	9	1,226	25	49,036					
16	2019	10	1,236	24	51,519					
17	2019	11	1,708	25	68,314					
18	2019	12	816	25	32,647					
19	2020	1	1,413	26	54,359					
20	2020	2	1,324	26	50,907					
21	2020	3	1,392	26	53,533					
22	2020	4	1,486	26	57,154					
23	2020	5	1,359	26	52,274					
24	2020	6	1,370	26	52,701	15,892	627,097	-10,932	26	-142,110

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCIND5
INDUSTRIAL 5
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	1,310	1,290	20			
2	2019	8	1,252	1,236	16			
3	2019	9	1,226	1,202	24			
4	2019	10	1,236	1,189	47			
5	2019	11	1,708	1,704	4			
6	2019	12	816	816	0			
7	2020	1	1,413	1,424	-11			
8	2020	2	1,324	1,335	-11			
9	2020	3	1,392	1,398	-6			
10	2020	4	1,486	1,491	-5			
11	2020	5	1,359	1,364	-5			
12	2020	6	1,370	1,368	2	15,892	15,817	75,244

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	24	24	2	1,310	54,583	109,167	
2	2019	8	25	25	1	1,252	50,080	50,080	
3	2019	9	25	25	1	1,226	49,040	49,040	
4	2019	10	25	24	2	1,236	51,500	103,000	
5	2019	11	25	25	1	1,708	68,320	68,320	
6	2019	12	25	25	1	816	32,640	32,640	
7	2020	1	26	26	0	1,413	54,346	0	
8	2020	2	26	26	0	1,324	50,923	0	
9	2020	3	26	26	0	1,392	53,538	0	
10	2020	4	26	26	0	1,486	57,154	0	
11	2020	5	26	26	0	1,359	52,269	0	
12	2020	6	26	26	0	1,370	52,692	0	412,247
			=====	=====	=====				
			304		8				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNCIND6
INDUSTRIAL 6
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	44,888	22	2,040,364					
2	2018	8	47,037	22	2,138,045					
3	2018	9	42,903	22	1,950,136					
4	2018	10	57,107	22	2,595,773					
5	2018	11	30,530	22	1,387,727					
6	2018	12	43,195	22	1,963,409					
7	2019	1	40,520	22	1,841,818					
8	2019	2	33,041	22	1,501,864					
9	2019	3	47,581	22	2,162,773					
10	2019	4	38,536	22	1,751,636					
11	2019	5	43,545	22	1,979,318					
12	2019	6	43,947	22	1,997,591	512,830	23,310,455		22	
13	2019	7	43,047	22	1,956,682					
14	2019	8	52,124	21	2,482,095					
15	2019	9	38,082	21	1,813,429					
16	2019	10	47,951	21	2,283,381					
17	2019	11	29,983	21	1,427,762					
18	2019	12	48,303	21	2,300,143					
19	2020	1	43,791	21	2,085,286					
20	2020	2	39,684	21	1,889,714					
21	2020	3	40,589	21	1,932,810					
22	2020	4	42,202	21	2,009,619					
23	2020	5	41,146	21	1,959,333					
24	2020	6	41,588	21	1,980,381	508,490	24,120,634	810,180	21	8,506,886

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCIND6
INDUSTRIAL 6
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	43,047	
2	2019	8	52,124	
3	2019	9	38,082	
4	2019	10	47,951	
5	2019	11	29,983	
6	2019	12	48,303	
7	2020	1	43,791	
8	2020	2	39,684	
9	2020	3	40,589	
10	2020	4	42,202	
11	2020	5	41,146	
12	2020	6	41,588	508,490,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	22	22	-1	43,047	1,956,682	-1,956,682	
2	2019	8	21	21	0	52,124	2,482,095	0	
3	2019	9	21	21	0	38,082	1,813,429	0	
4	2019	10	21	21	0	47,951	2,283,381	0	
5	2019	11	21	21	0	29,983	1,427,762	0	
6	2019	12	21	21	0	48,303	2,300,143	0	
7	2020	1	21	21	0	43,791	2,085,286	0	
8	2020	2	21	21	0	39,684	1,889,714	0	
9	2020	3	21	21	0	40,589	1,932,810	0	
10	2020	4	21	21	0	42,202	2,009,619	0	
11	2020	5	21	21	0	41,146	1,959,333	0	
12	2020	6	21	21	0	41,588	1,980,381	0	-1,956,682
			=====	=====					
				253	-1				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNC6VP
INDUSTRIAL 6VP
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	23,296	3	7,765,275					
2	2018	8	26,080	3	8,693,361					
3	2018	9	26,342	3	8,780,543					
4	2018	10	24,891	3	8,297,017					
5	2018	11	22,914	3	7,637,906					
6	2018	12	18,097	3	6,032,259					
7	2019	1	19,132	3	6,377,214					
8	2019	2	20,298	3	6,766,137					
9	2019	3	20,354	3	6,784,584					
10	2019	4	22,198	3	7,399,187					
11	2019	5	28,725	3	9,575,040					
12	2019	6	25,345	3	8,448,421	277,671	92,556,945		3	
13	2019	7	14,494	3	4,831,289					
14	2019	8	25,763	3	8,587,700					
15	2019	9	25,984	3	8,661,348					
16	2019	10	24,651	3	8,217,149					
17	2019	11	25,044	3	8,347,950					
18	2019	12	20,069	3	6,689,675					
19	2020	1	20,938	3	6,979,493					
20	2020	2	20,668	3	6,889,268					
21	2020	3	20,456	3	6,818,581					
22	2020	4	19,534	3	6,511,328					
23	2020	5	20,985	3	6,995,052					
24	2020	6	22,139	3	7,379,727	260,726	86,908,559	-5,648,386	3	-8,472,578

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNC6VP
INDUSTRIAL 6VP
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	14,494	
2	2019	8	25,763	
3	2019	9	25,984	
4	2019	10	24,651	
5	2019	11	25,044	
6	2019	12	20,069	
7	2020	1	20,938	
8	2020	2	20,668	
9	2020	3	20,456	
10	2020	4	19,534	
11	2020	5	20,985	
12	2020	6	22,139	260,725,677

DOMINION ENERGY NORTH CAROLINA
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2020
CUNC6VP

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	3	3	0	14,494	4,831,289	0	
2	2019	8	3	3	0	25,763	8,587,700	0	
3	2019	9	3	3	0	25,984	8,661,348	0	
4	2019	10	3	3	0	24,651	8,217,149	0	
5	2019	11	3	3	0	25,044	8,347,950	0	
6	2019	12	3	3	0	20,069	6,689,675	0	
7	2020	1	3	3	0	20,938	6,979,493	0	
8	2020	2	3	3	0	20,668	6,889,268	0	
9	2020	3	3	3	0	20,456	6,818,581	0	
10	2020	4	3	3	0	19,534	6,511,328	0	
11	2020	5	3	3	0	20,985	6,995,052	0	
12	2020	6	3	3	0	22,139	7,379,727	0	0
			=====	=====					
				36	0				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNCNUC
INDUSTRIAL NUCOR
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	73,197	1	73,197,432					
2	2018	8	75,386	1	75,385,926					
3	2018	9	75,934	1	75,933,904					
4	2018	10	70,949	1	70,948,686					
5	2018	11	77,870	1	77,869,916					
6	2018	12	95,260	1	95,259,870					
7	2019	1	70,438	1	70,437,909					
8	2019	2	75,200	1	75,199,755					
9	2019	3	82,544	1	82,543,854					
10	2019	4	73,898	1	73,898,331					
11	2019	5	76,814	1	76,814,175					
12	2019	6	78,852	1	78,852,119	926,342	926,341,877		1	
13	2019	7	64,712	1	64,712,002					
14	2019	8	75,004	1	75,004,256					
15	2019	9	59,083	1	59,083,106					
16	2019	10	69,742	1	69,742,271					
17	2019	11	78,926	1	78,925,537					
18	2019	12	91,350	1	91,349,895					
19	2020	1	87,890	1	87,890,292					
20	2020	2	75,745	1	75,744,667					
21	2020	3	77,891	1	77,891,128					
22	2020	4	66,675	1	66,674,848					
23	2020	5	58,906	1	58,906,379					
24	2020	6	67,601	1	67,601,453	873,526	873,525,834	-52,816,043	1	-26,408,022

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCNUC
INDUSTRIAL NUCOR
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	64,712	
2	2019	8	75,004	
3	2019	9	59,083	
4	2019	10	69,742	
5	2019	11	78,926	
6	2019	12	91,350	
7	2020	1	87,890	
8	2020	2	75,745	
9	2020	3	77,891	
10	2020	4	66,675	
11	2020	5	58,906	
12	2020	6	67,601	873,525,834

DOMINION ENERGY NORTH CAROLINA
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2020
CUNCNUC

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	1	1	0	64,712	64,712,002	0	
2	2019	8	1	1	0	75,004	75,004,256	0	
3	2019	9	1	1	0	59,083	59,083,106	0	
4	2019	10	1	1	0	69,742	69,742,271	0	
5	2019	11	1	1	0	78,926	78,925,537	0	
6	2019	12	1	1	0	91,350	91,349,895	0	
7	2020	1	1	1	0	87,890	87,890,292	0	
8	2020	2	1	1	0	75,745	75,744,667	0	
9	2020	3	1	1	0	77,891	77,891,128	0	
10	2020	4	1	1	0	66,675	66,674,848	0	
11	2020	5	1	1	0	58,906	58,906,379	0	
12	2020	6	1	1	0	67,601	67,601,453	0	0
			=====	=====					
				12	0				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNCTRF
TRAFFIC LIGHTS
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	41	197	208					
2	2018	8	45	197	228					
3	2018	9	51	197	259					
4	2018	10	32	197	162					
5	2018	11	38	197	193					
6	2018	12	37	193	192					
7	2019	1	42	193	218					
8	2019	2	43	193	223					
9	2019	3	39	193	202					
10	2019	4	37	193	192					
11	2019	5	34	193	176					
12	2019	6	37	193	192	476	2,445		193	
13	2019	7	39	193	202					
14	2019	8	41	193	212					
15	2019	9	41	193	212					
16	2019	10	38	193	197					
17	2019	11	36	193	187					
18	2019	12	36	193	187					
19	2020	1	38	192	198					
20	2020	2	36	192	188					
21	2020	3	35	192	182					
22	2020	4	32	192	167					
23	2020	5	32	192	167					
24	2020	6	31	192	161	435	2,259	-185	192	-17,775

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCTRF
TRAFFIC LIGHTS
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	39	
2	2019	8	41	
3	2019	9	41	
4	2019	10	38	
5	2019	11	36	
6	2019	12	36	
7	2020	1	38	
8	2020	2	36	
9	2020	3	35	
10	2020	4	32	
11	2020	5	32	
12	2020	6	31	435,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	193	193	-1	39	202	-202	
2	2019	8	193	193	-1	41	212	-212	
3	2019	9	193	193	-1	41	212	-212	
4	2019	10	192	193	-1	38	197	-197	
5	2019	11	192	193	-1	36	187	-187	
6	2019	12	192	193	-1	36	187	-187	
7	2020	1	192	192	0	38	198	0	
8	2020	2	192	192	0	36	188	0	
9	2020	3	192	192	0	35	182	0	
10	2020	4	192	192	0	32	167	0	
11	2020	5	192	192	0	32	167	0	
12	2020	6	192	192	0	31	161	0	-1,197
				=====	=====				
				2,310	-6				

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUNCST
STREET LIGHTS
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	672	249	2,699					
2	2018	8	680	249	2,731					
3	2018	9	537	248	2,165					
4	2018	10	678	249	2,723					
5	2018	11	640	248	2,581					
6	2018	12	133	249	534					
7	2019	1	1,345	250	5,380					
8	2019	2	665	251	2,649					
9	2019	3	670	252	2,659					
10	2019	4	669	250	2,676					
11	2019	5	718	251	2,861					
12	2019	6	617	251	2,458	8,024	32,116		251	
13	2019	7	642	251	2,558					
14	2019	8	727	251	2,896					
15	2019	9	627	251	2,498					
16	2019	10	687	251	2,737					
17	2019	11	637	250	2,548					
18	2019	12	639	251	2,546					
19	2020	1	644	251	2,566					
20	2020	2	636	251	2,534					
21	2020	3	642	251	2,558					
22	2020	4	636	250	2,544					
23	2020	5	637	251	2,538					
24	2020	6	642	252	2,548	7,796	31,070	-1,046	252	-131,755

DOMINION ENERGY NORTH CAROLINA
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUNCST
STREET LIGHTS
NORTH CAROLINA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	642	
2	2019	8	727	
3	2019	9	627	
4	2019	10	687	
5	2019	11	637	
6	2019	12	639	
7	2020	1	644	
8	2020	2	636	
9	2020	3	642	
10	2020	4	636	
11	2020	5	637	
12	2020	6	642	7,796,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	251	251	1	642	2,558	2,558	
2	2019	8	251	251	1	727	2,896	2,896	
3	2019	9	251	251	1	627	2,498	2,498	
4	2019	10	251	251	1	687	2,737	2,737	
5	2019	11	251	250	2	637	2,548	5,096	
6	2019	12	251	251	1	639	2,546	2,546	
7	2020	1	251	251	1	644	2,566	2,566	
8	2020	2	251	251	1	636	2,534	2,534	
9	2020	3	251	251	1	642	2,558	2,558	
10	2020	4	251	250	2	636	2,544	5,088	
11	2020	5	251	251	1	637	2,538	2,538	
12	2020	6	252	252	0	642	2,548	0	33,615
				=====	=====				
				3,011	13				

VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2020
VIRGINIA JURISDICTIONAL

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	VA RESIDENTIAL	-9,972,607	376,796,486	206,389,637	573,213,516
2	VA SCHEDULE 7	-240,445	300,690	-95,578	-35,333
3	VA OUTDOOR LIGHTING	453,521	0	-1,024,079	-570,558
4	VA CHURCHES	-5,531,149	-2,566,997	-261,448	-8,359,594
5	VA COMMERCIAL	385,943,821	-133,580,801	84,407,327	336,770,347
6	VA INDUSTRIAL	58,615,596	0	-103,214,356	-44,598,760
7	VA INDUSTRIAL 56-235.2	0	0		0
		=====	=====	=====	=====
		429,268,737	240,949,378	186,201,503	856,419,618

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	2,719,826	2,220,870	1,225					
2	2018	8	2,780,832	2,223,350	1,251					
3	2018	9	2,316,307	2,224,543	1,041					
4	2018	10	1,796,606	2,226,518	807					
5	2018	11	1,674,187	2,229,937	751					
6	2018	12	2,411,217	2,232,493	1,080					
7	2019	1	3,308,608	2,234,451	1,481					
8	2019	2	2,961,786	2,236,031	1,325					
9	2019	3	2,555,608	2,237,655	1,142					
10	2019	4	2,061,305	2,238,556	921					
11	2019	5	1,842,736	2,240,602	822					
12	2019	6	1,999,208	2,242,266	892	28,428,226	12,737		2,243,260	
13	2019	7	2,799,873	2,245,086	1,247					
14	2019	8	2,827,399	2,247,354	1,258					
15	2019	9	2,316,477	2,249,413	1,030					
16	2019	10	1,816,720	2,251,833	807					
17	2019	11	1,645,493	2,254,512	730					
18	2019	12	2,445,438	2,258,224	1,083					
19	2020	1	3,312,168	2,261,012	1,465					
20	2020	2	2,895,678	2,262,882	1,280					
21	2020	3	2,656,365	2,265,811	1,172					
22	2020	4	2,152,715	2,268,197	949					
23	2020	5	1,635,655	2,271,394	720					
24	2020	6	2,245,974	2,275,104	987	28,749,955	12,728	-9	2,275,033	-9,972,607

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUVARES
RESIDENTIAL
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	2,799,873	2,987,480	-187,607			
2	2019	8	2,827,399	3,021,165	-193,766			
3	2019	9	2,316,477	2,548,695	-232,218			
4	2019	10	1,816,720	2,145,020	-328,300			
5	2019	11	1,645,493	1,615,583	29,910			
6	2019	12	2,445,438	2,556,537	-111,099			
7	2020	1	3,312,168	2,905,802	406,366			
8	2020	2	2,895,678	2,413,865	481,813			
9	2020	3	2,656,365	2,345,464	310,901			
10	2020	4	2,152,715	1,885,914	266,801			
11	2020	5	1,635,655	1,679,563	-43,908			
12	2020	6	2,245,974	2,268,071	-22,097	28,749,955	28,373,159	376,796,486

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	2,245,427	2,245,086	29,947	2,799,873	1,247	37,347,263	
2	2019	8	2,247,655	2,247,354	27,679	2,827,399	1,258	34,822,978	
3	2019	9	2,249,950	2,249,413	25,620	2,316,477	1,030	26,383,835	
4	2019	10	2,252,321	2,251,833	23,200	1,816,720	807	18,717,157	
5	2019	11	2,254,777	2,254,512	20,521	1,645,493	730	14,977,601	
6	2019	12	2,257,324	2,258,224	16,809	2,445,438	1,083	18,202,517	
7	2020	1	2,259,972	2,261,012	14,021	3,312,168	1,465	20,539,433	
8	2020	2	2,262,729	2,262,882	12,151	2,895,678	1,280	15,548,930	
9	2020	3	2,265,604	2,265,811	9,222	2,656,365	1,172	10,811,578	
10	2020	4	2,268,607	2,268,197	6,836	2,152,715	949	6,487,952	
11	2020	5	2,271,746	2,271,394	3,639	1,635,655	720	2,620,484	
12	2020	6	2,275,033	2,275,104	-71	2,245,974	987	-70,091	206,389,637
			=====	=====	=====				
				27110822	189,574				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	710	408	1,741					
2	2018	8	736	407	1,808					
3	2018	9	508	406	1,251					
4	2018	10	409	403	1,014					
5	2018	11	414	402	1,029					
6	2018	12	804	400	2,011					
7	2019	1	1,188	395	3,006					
8	2019	2	1,152	393	2,930					
9	2019	3	919	384	2,393					
10	2019	4	649	383	1,694					
11	2019	5	432	382	1,130					
12	2019	6	459	380	1,208	8,378	21,216		382	
13	2019	7	632	378	1,671					
14	2019	8	675	375	1,799					
15	2019	9	522	374	1,395					
16	2019	10	390	373	1,047					
17	2019	11	437	372	1,176					
18	2019	12	727	371	1,959					
19	2020	1	1,052	370	2,844					
20	2020	2	1,033	370	2,791					
21	2020	3	865	368	2,350					
22	2020	4	491	366	1,343					
23	2020	5	242	365	662					
24	2020	6	314	363	865	7,380	19,902	-1,314	366	-240,445

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUVAOTH
SCHEDULE 7
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	632	700	-68			
2	2019	8	675	745	-70			
3	2019	9	522	605	-83			
4	2019	10	390	496	-106			
5	2019	11	437	418	19			
6	2019	12	727	783	-56			
7	2020	1	1,052	853	199			
8	2020	2	1,033	796	237			
9	2020	3	865	711	154			
10	2020	4	491	361	130			
11	2020	5	242	284	-42			
12	2020	6	314	327	-13	7,380	7,079	300,690

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	380	378	-12	632	1,672	-20,063	
2	2019	8	377	375	-9	675	1,800	-16,200	
3	2019	9	375	374	-8	522	1,396	-11,166	
4	2019	10	373	373	-7	390	1,046	-7,319	
5	2019	11	371	372	-6	437	1,175	-7,048	
6	2019	12	369	371	-5	727	1,960	-9,798	
7	2020	1	368	370	-4	1,052	2,843	-11,373	
8	2020	2	367	370	-4	1,033	2,792	-11,168	
9	2020	3	366	368	-2	865	2,351	-4,701	
10	2020	4	366	366	0	491	1,342	0	
11	2020	5	366	365	1	242	663	663	
12	2020	6	366	363	3	314	865	2,595	-95,578
			=====	=====	=====				
			4,445		-53				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUVALTS
OUTDOOR LIGHTING
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	7,889	55,942	141					
2	2018	8	8,154	55,958	146					
3	2018	9	7,666	55,961	137					
4	2018	10	8,146	55,949	146					
5	2018	11	7,679	55,949	137					
6	2018	12	7,650	55,994	137					
7	2019	1	8,368	56,004	149					
8	2019	2	7,614	55,993	136					
9	2019	3	7,891	55,966	141					
10	2019	4	7,909	55,893	142					
11	2019	5	8,242	55,855	148					
12	2019	6	7,513	55,775	135	94,721	1,693		55,721	
13	2019	7	8,123	55,672	146					
14	2019	8	8,171	55,599	147					
15	2019	9	7,589	55,527	137					
16	2019	10	8,131	55,345	147					
17	2019	11	7,250	55,265	131					
18	2019	12	7,957	55,174	144					
19	2020	1	8,258	55,036	150					
20	2020	2	7,421	54,932	135					
21	2020	3	8,171	54,807	149					
22	2020	4	7,759	54,725	142					
23	2020	5	7,370	54,660	135					
24	2020	6	8,041	54,593	147	94,241	1,710	17	54,513	453,521

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUVALTS
OUTDOOR LIGHTING
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	8,123	
2	2019	8	8,171	
3	2019	9	7,589	
4	2019	10	8,131	
5	2019	11	7,250	
6	2019	12	7,957	
7	2020	1	8,258	
8	2020	2	7,421	
9	2020	3	8,171	
10	2020	4	7,759	
11	2020	5	7,370	
12	2020	6	8,041	94,241,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	55,651	55,672	-1,159	8,123	146	-169,107	
2	2019	8	55,573	55,599	-1,086	8,171	147	-159,602	
3	2019	9	55,489	55,527	-1,014	7,589	137	-138,585	
4	2019	10	55,398	55,345	-832	8,131	147	-122,233	
5	2019	11	55,301	55,265	-752	7,250	131	-98,652	
6	2019	12	55,199	55,174	-661	7,957	144	-95,327	
7	2020	1	55,091	55,036	-523	8,258	150	-78,475	
8	2020	2	54,980	54,932	-419	7,421	135	-56,604	
9	2020	3	54,866	54,807	-294	8,171	149	-43,832	
10	2020	4	54,749	54,725	-212	7,759	142	-30,058	
11	2020	5	54,631	54,660	-147	7,370	135	-19,821	
12	2020	6	54,513	54,593	-80	8,041	147	-11,783	-1,024,079
				=====	=====				
				661,335	-7,179				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	24,021	3,037	7,909					
2	2018	8	25,144	3,035	8,285					
3	2018	9	19,105	3,036	6,293					
4	2018	10	14,818	3,036	4,881					
5	2018	11	13,039	3,033	4,299					
6	2018	12	17,492	3,033	5,767					
7	2019	1	22,687	3,032	7,483					
8	2019	2	20,825	3,036	6,859					
9	2019	3	18,799	3,036	6,192					
10	2019	4	15,859	3,034	5,227					
11	2019	5	14,554	3,034	4,797					
12	2019	6	16,576	3,033	5,465	222,921	73,458		3,034	
13	2019	7	23,283	3,035	7,671					
14	2019	8	23,771	3,034	7,835					
15	2019	9	19,944	3,034	6,574					
16	2019	10	15,628	3,035	5,149					
17	2019	11	13,012	3,031	4,293					
18	2019	12	18,030	3,031	5,949					
19	2020	1	23,081	3,031	7,615					
20	2020	2	20,579	3,031	6,789					
21	2020	3	18,900	3,028	6,242					
22	2020	4	13,151	3,027	4,345					
23	2020	5	9,648	3,029	3,185					
24	2020	6	12,603	3,031	4,158	211,629	69,804	-3,653	3,028	-5,531,149

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUVACH
CHURCHES
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	23,283	25,602	-2,319			
2	2019	8	23,771	26,154	-2,383			
3	2019	9	19,944	22,842	-2,898			
4	2019	10	15,628	20,248	-4,620			
5	2019	11	13,012	13,009	3			
6	2019	12	18,030	18,710	-680			
7	2020	1	23,081	20,349	2,732			
8	2020	2	20,579	17,332	3,247			
9	2020	3	18,900	16,886	2,014			
10	2020	4	13,151	11,375	1,776			
11	2020	5	9,648	9,033	615			
12	2020	6	12,603	12,656	-53	211,629	214,196	-2,566,997

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	3,033	3,035	-7	23,283	7,671	-53,700	
2	2019	8	3,033	3,034	-6	23,771	7,835	-47,009	
3	2019	9	3,033	3,034	-6	19,944	6,574	-39,441	
4	2019	10	3,033	3,035	-7	15,628	5,149	-36,045	
5	2019	11	3,032	3,031	-3	13,012	4,293	-12,879	
6	2019	12	3,032	3,031	-3	18,030	5,949	-17,846	
7	2020	1	3,031	3,031	-3	23,081	7,615	-22,845	
8	2020	2	3,031	3,031	-3	20,579	6,790	-20,369	
9	2020	3	3,030	3,028	0	18,900	6,242	0	
10	2020	4	3,030	3,027	1	13,151	4,345	4,345	
11	2020	5	3,029	3,029	-1	9,648	3,185	-3,185	
12	2020	6	3,028	3,031	-3	12,603	4,158	-12,474	-261,448
			=====	=====	=====				
			36,377		-41				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	2,553,182	222,346	11,483					
2	2018	8	2,604,659	222,378	11,713					
3	2018	9	2,432,729	222,538	10,932					
4	2018	10	2,232,501	222,337	10,041					
5	2018	11	2,129,053	222,738	9,559					
6	2018	12	2,341,230	222,844	10,506					
7	2019	1	2,564,414	222,910	11,504					
8	2019	2	2,423,240	223,037	10,865					
9	2019	3	2,379,154	223,249	10,657					
10	2019	4	2,237,095	223,274	10,020					
11	2019	5	2,358,722	223,410	10,558					
12	2019	6	2,342,594	223,687	10,473	28,598,573	128,309		223,570	
13	2019	7	2,618,001	223,751	11,701					
14	2019	8	2,757,700	223,830	12,321					
15	2019	9	2,342,941	224,019	10,459					
16	2019	10	2,585,623	223,972	11,544					
17	2019	11	2,215,178	224,383	9,872					
18	2019	12	2,627,665	224,353	11,712					
19	2020	1	2,701,876	224,401	12,040					
20	2020	2	2,493,138	224,575	11,102					
21	2020	3	2,477,389	224,602	11,030					
22	2020	4	2,245,788	224,641	9,997					
23	2020	5	2,040,307	224,944	9,070					
24	2020	6	2,451,806	225,113	10,891	29,557,413	131,740	3,431	225,003	385,943,821

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUVACOM
COMMERCIAL
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	2,618,001	2,700,046	-82,045			
2	2019	8	2,757,700	2,841,689	-83,989			
3	2019	9	2,342,941	2,445,009	-102,068			
4	2019	10	2,585,623	2,750,385	-164,762			
5	2019	11	2,215,178	2,216,982	-1,804			
6	2019	12	2,627,665	2,647,744	-20,079			
7	2020	1	2,701,876	2,618,914	82,962			
8	2020	2	2,493,138	2,394,782	98,356			
9	2020	3	2,477,389	2,417,322	60,067			
10	2020	4	2,245,788	2,192,497	53,291			
11	2020	5	2,040,307	2,013,150	27,157			
12	2020	6	2,451,806	2,452,474	-668	29,557,413	29,690,994	-133,580,801

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	223,697	223,751	1,252	2,618,001	11,701	14,649,040	
2	2019	8	223,825	223,830	1,173	2,757,700	12,321	14,451,959	
3	2019	9	223,953	224,019	984	2,342,941	10,459	10,291,332	
4	2019	10	224,081	223,972	1,031	2,585,623	11,544	11,902,279	
5	2019	11	224,208	224,383	620	2,215,178	9,872	6,120,831	
6	2019	12	224,334	224,353	650	2,627,665	11,712	7,612,924	
7	2020	1	224,457	224,401	602	2,701,876	12,040	7,248,316	
8	2020	2	224,576	224,575	428	2,493,138	11,102	4,751,478	
9	2020	3	224,692	224,602	401	2,477,389	11,030	4,423,082	
10	2020	4	224,803	224,641	362	2,245,788	9,997	3,618,998	
11	2020	5	224,907	224,944	59	2,040,307	9,070	535,147	
12	2020	6	225,003	225,113	-110	2,451,806	10,891	-1,198,059	84,407,327
			=====	=====	=====				
				2,692,584	7,452				

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	613,873	591	1,038,702					
2	2018	8	600,006	591	1,015,239					
3	2018	9	578,565	592	977,306					
4	2018	10	562,453	590	953,310					
5	2018	11	537,789	590	911,507					
6	2018	12	534,797	590	906,436					
7	2019	1	535,511	588	910,733					
8	2019	2	492,990	589	836,995					
9	2019	3	564,622	588	960,241					
10	2019	4	532,342	587	906,886					
11	2019	5	549,592	588	934,680					
12	2019	6	573,172	588	974,782	6,675,712	11,326,817		586	
13	2019	7	611,186	586	1,042,980					
14	2019	8	603,333	587	1,027,825					
15	2019	9	612,186	584	1,048,264					
16	2019	10	613,901	583	1,053,003					
17	2019	11	495,994	581	853,690					
18	2019	12	585,852	582	1,006,619					
19	2020	1	580,832	576	1,008,389					
20	2020	2	534,134	579	922,511					
21	2020	3	554,754	578	959,782					
22	2020	4	512,873	576	890,405					
23	2020	5	475,236	573	829,382					
24	2020	6	507,777	571	889,277	6,688,058	11,532,125	205,309	571	58,615,596

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUVAIND
INDUSTRIAL
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	611,186	
2	2019	8	603,333	
3	2019	9	612,186	
4	2019	10	613,901	
5	2019	11	495,994	
6	2019	12	585,852	
7	2020	1	580,832	
8	2020	2	534,134	
9	2020	3	554,754	
10	2020	4	512,873	
11	2020	5	475,236	
12	2020	6	507,777	6,688,058,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	586	586	-15	611,186	1,042,980	-15,644,693	
2	2019	8	585	587	-16	603,333	1,027,825	-16,445,193	
3	2019	9	584	584	-13	612,186	1,048,264	-13,627,428	
4	2019	10	583	583	-12	613,901	1,053,003	-12,636,041	
5	2019	11	582	581	-10	495,994	853,690	-8,536,902	
6	2019	12	581	582	-11	585,852	1,006,619	-11,072,804	
7	2020	1	580	576	-5	580,832	1,008,389	-5,041,944	
8	2020	2	579	579	-8	534,134	922,511	-7,380,090	
9	2020	3	577	578	-7	554,754	959,782	-6,718,474	
10	2020	4	575	576	-5	512,873	890,405	-4,452,023	
11	2020	5	573	573	-2	475,236	829,382	-1,658,764	
12	2020	6	571	571	0	507,777	889,277	0	-103,214,356
				=====	=====				
				6,956	-104				

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	35,151	1	35,150,808					
2	2018	8	41,013	1	41,012,664					
3	2018	9	36,559	1	36,559,446					
4	2018	10	37,931	1	37,931,124					
5	2018	11	29,450	1	29,449,728					
6	2018	12	25,498	1	25,498,242					
7	2019	1	36,162	1	36,162,126					
8	2019	2	0	0						
9	2019	3	0	0						
10	2019	4	0	0						
11	2019	5	0	0						
12	2019	6	0	0		241,764	241,764,138		0	
13	2019	7	0	0						
14	2019	8	0	0						
15	2019	9	0	0						
16	2019	10	0	0						
17	2019	11	0	0						
18	2019	12	0	0						
19	2020	1	0	0						
20	2020	2	0	0						
21	2020	3	0	0						
22	2020	4	0	0						
23	2020	5	0	0						
24	2020	6	0	0		0		0	0	0

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUVACHP
INDUSTRIAL 56-235.2
VIRGINIA JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	0	
2	2019	8	0	
3	2019	9	0	
4	2019	10	0	
5	2019	11	0	
6	2019	12	0	
7	2020	1	0	
8	2020	2	0	
9	2020	3	0	
10	2020	4	0	
11	2020	5	0	
12	2020	6	0	0

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	0	0	0	0			
2	2019	8	0	0	0	0			
3	2019	9	0	0	0	0			
4	2019	10	0	0	0	0			
5	2019	11	0	0	0	0			
6	2019	12	0	0	0	0			
7	2020	1	0	0	0	0			
8	2020	2	0	0	0	0			
9	2020	3	0	0	0	0			
10	2020	4	0	0	0	0			
11	2020	5	0	0	0	0			
12	2020	6	0	0	0	0			
				=====	=====				
				0	0				

VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2020
COUNTY - NON-JURISDICTIONAL

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	COUNTY MISCELLANEOUS LIGHT & POWER	-16,304,964	-5,928,114	11,344,034	-10,889,044
2	MUNICIPAL MISCELLANEOUS LIGHT & POWER	-40,794,381	-37,108,315	-34,938,392	-112,841,088
3	STREET LIGHTS	-17,437,704	0	1,716,381	-15,721,323
4	TRAFFIC LIGHTS	-213,320	0	183,262	-30,058
		=====	=====	=====	=====
		-74,750,369	-43,036,429	-21,694,715	-139,481,513

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	57,427	4,042	14,208					
2	2018	8	60,127	4,040	14,883					
3	2018	9	52,782	4,039	13,068					
4	2018	10	55,291	4,027	13,730					
5	2018	11	48,354	4,028	12,004					
6	2018	12	54,098	4,029	13,427					
7	2019	1	60,347	4,022	15,004					
8	2019	2	58,154	4,017	14,477					
9	2019	3	56,490	4,014	14,073					
10	2019	4	52,805	4,008	13,175					
11	2019	5	49,688	4,003	12,413					
12	2019	6	53,526	4,004	13,368	659,088	163,830		4,031	
13	2019	7	51,159	4,011	12,755					
14	2019	8	65,451	4,011	16,318					
15	2019	9	51,204	4,022	12,731					
16	2019	10	55,286	4,032	13,712					
17	2019	11	48,993	4,134	11,851					
18	2019	12	57,049	4,165	13,697					
19	2020	1	63,140	4,169	15,145					
20	2020	2	60,105	4,168	14,421					
21	2020	3	59,073	4,156	14,214					
22	2020	4	48,728	4,163	11,705					
23	2020	5	39,145	4,156	9,419					
24	2020	6	41,851	4,158	10,065	641,184	156,032	-7,798	4,182	-16,304,964

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUCOLP
MISCELLANEOUS, LIGHT AND POWER
COUNTY - NON-JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	51,159	55,096	-3,937			
2	2019	8	65,451	69,500	-4,049			
3	2019	9	51,204	56,162	-4,958			
4	2019	10	55,286	63,377	-8,091			
5	2019	11	48,993	49,102	-109			
6	2019	12	57,049	58,037	-988			
7	2020	1	63,140	59,004	4,136			
8	2020	2	60,105	55,182	4,923			
9	2020	3	59,073	56,070	3,003			
10	2020	4	48,728	46,041	2,687			
11	2020	5	39,145	37,667	1,478			
12	2020	6	41,851	41,874	-23	641,184	647,112	-5,928,114

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	4,041	4,011	171	51,159	12,755	2,181,049	
2	2019	8	4,052	4,011	171	65,451	16,318	2,790,357	
3	2019	9	4,064	4,022	160	51,204	12,731	2,036,957	
4	2019	10	4,078	4,032	150	55,286	13,712	2,056,771	
5	2019	11	4,093	4,134	48	48,993	11,851	568,859	
6	2019	12	4,108	4,165	17	57,049	13,697	232,853	
7	2020	1	4,123	4,169	13	63,140	15,145	196,887	
8	2020	2	4,137	4,168	14	60,105	14,421	201,888	
9	2020	3	4,151	4,156	26	59,073	14,214	369,562	
10	2020	4	4,164	4,163	19	48,728	11,705	222,395	
11	2020	5	4,174	4,156	26	39,145	9,419	244,892	
12	2020	6	4,182	4,158	24	41,851	10,065	241,564	11,344,034
			=====	=====	=====				
				49,345	839				

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	304,639	17,436	17,472					
2	2018	8	316,716	17,445	18,155					
3	2018	9	285,915	17,452	16,383					
4	2018	10	312,785	17,443	17,932					
5	2018	11	262,567	17,492	15,011					
6	2018	12	280,586	17,514	16,021					
7	2019	1	317,230	17,454	18,175					
8	2019	2	306,679	17,409	17,616					
9	2019	3	290,716	17,395	16,713					
10	2019	4	272,382	17,378	15,674					
11	2019	5	279,228	17,314	16,127					
12	2019	6	272,394	17,282	15,762	3,501,835	201,040		17,293	
13	2019	7	291,757	17,226	16,937					
14	2019	8	342,677	17,228	19,891					
15	2019	9	283,285	17,247	16,425					
16	2019	10	274,321	17,236	15,916					
17	2019	11	258,193	17,112	15,088					
18	2019	12	291,941	17,053	17,120					
19	2020	1	320,423	16,981	18,870					
20	2020	2	286,079	16,956	16,872					
21	2020	3	290,835	16,956	17,152					
22	2020	4	247,214	16,923	14,608					
23	2020	5	216,201	16,939	12,763					
24	2020	6	246,792	16,940	14,569	3,349,718	196,210	-4,829	16,894	-40,794,381

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUMUNLP
MISCELLANEOUS, LIGHT AND POWER
MUNICIPAL - NON-JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	291,757	308,724	-16,967			
2	2019	8	342,677	360,099	-17,422			
3	2019	9	283,285	304,609	-21,324			
4	2019	10	274,321	309,571	-35,250			
5	2019	11	258,193	259,060	-867			
6	2019	12	291,941	295,203	-3,262			
7	2020	1	320,423	306,170	14,253			
8	2020	2	286,079	269,130	16,949			
9	2020	3	290,835	280,664	10,171			
10	2020	4	247,214	238,029	9,185			
11	2020	5	216,201	208,927	7,274			
12	2020	6	246,792	246,640	152	3,349,718	3,386,826	-37,108,315

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	17,260	17,226	-332	291,757	16,937	-5,623,089	
2	2019	8	17,226	17,228	-334	342,677	19,891	-6,643,494	
3	2019	9	17,190	17,247	-353	283,285	16,425	-5,798,087	
4	2019	10	17,153	17,236	-342	274,321	15,916	-5,443,130	
5	2019	11	17,116	17,112	-218	258,193	15,088	-3,289,275	
6	2019	12	17,079	17,053	-159	291,941	17,120	-2,722,021	
7	2020	1	17,043	16,981	-87	320,423	18,870	-1,641,647	
8	2020	2	17,008	16,956	-62	286,079	16,872	-1,046,054	
9	2020	3	16,975	16,956	-62	290,835	17,152	-1,063,445	
10	2020	4	16,945	16,923	-29	247,214	14,608	-423,637	
11	2020	5	16,917	16,939	-45	216,201	12,764	-574,358	
12	2020	6	16,894	16,940	-46	246,792	14,569	-670,155	-34,938,392
			=====	=====	=====				
				204,797	-2,069				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUCOMUST
STREET LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	19,709	1,130	17,442					
2	2018	8	19,764	1,162	17,009					
3	2018	9	19,798	1,162	17,038					
4	2018	10	20,114	1,194	16,846					
5	2018	11	20,131	1,201	16,762					
6	2018	12	20,194	1,204	16,772					
7	2019	1	20,222	1,236	16,361					
8	2019	2	19,946	1,282	15,559					
9	2019	3	20,017	1,283	15,602					
10	2019	4	19,997	1,314	15,218					
11	2019	5	20,155	1,358	14,842					
12	2019	6	19,689	1,362	14,456	239,736	193,905		1,351	
13	2019	7	19,948	1,392	14,330					
14	2019	8	19,806	1,394	14,208					
15	2019	9	19,721	1,393	14,157					
16	2019	10	17,861	1,396	12,794					
17	2019	11	19,569	1,403	13,948					
18	2019	12	20,320	1,406	14,452					
19	2020	1	19,627	1,405	13,969					
20	2020	2	19,940	1,409	14,152					
21	2020	3	23,549	1,422	16,560					
22	2020	4	19,340	1,423	13,591					
23	2020	5	19,228	1,425	13,493					
24	2020	6	19,457	1,425	13,654	238,366	169,311	-24,595	1,418	-17,437,704

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUCOMUST
STREET LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	19,948	
2	2019	8	19,806	
3	2019	9	19,721	
4	2019	10	17,861	
5	2019	11	19,569	
6	2019	12	20,320	
7	2020	1	19,627	
8	2020	2	19,940	
9	2020	3	23,549	
10	2020	4	19,340	
11	2020	5	19,228	
12	2020	6	19,457	238,366,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	1,366	1,392	26	19,948	14,330	372,592	
2	2019	8	1,379	1,394	24	19,806	14,208	340,993	
3	2019	9	1,390	1,393	25	19,721	14,157	353,930	
4	2019	10	1,400	1,396	22	17,861	12,794	281,477	
5	2019	11	1,408	1,403	15	19,569	13,948	209,220	
6	2019	12	1,414	1,406	12	20,320	14,452	173,428	
7	2020	1	1,419	1,405	13	19,627	13,969	181,602	
8	2020	2	1,422	1,409	9	19,940	14,152	127,367	
9	2020	3	1,423	1,422	-4	23,549	16,560	-66,242	
10	2020	4	1,423	1,423	-5	19,340	13,591	-67,955	
11	2020	5	1,421	1,425	-7	19,228	13,493	-94,453	
12	2020	6	1,418	1,425	-7	19,457	13,654	-95,578	1,716,381
				=====	=====				
				16,893	123				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUCOMUTR
TRAFFIC LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	1,316	1,169	1,126					
2	2018	8	1,316	1,172	1,123					
3	2018	9	1,307	1,180	1,108					
4	2018	10	1,326	1,180	1,124					
5	2018	11	1,331	1,184	1,124					
6	2018	12	1,336	1,184	1,128					
7	2019	1	1,352	1,185	1,141					
8	2019	2	1,287	1,191	1,081					
9	2019	3	1,344	1,192	1,128					
10	2019	4	1,307	1,195	1,094					
11	2019	5	1,334	1,196	1,115					
12	2019	6	1,289	1,202	1,072	15,845	13,363		1,202	
13	2019	7	1,328	1,204	1,103					
14	2019	8	1,305	1,206	1,082					
15	2019	9	1,301	1,205	1,080					
16	2019	10	1,316	1,207	1,090					
17	2019	11	1,306	1,215	1,075					
18	2019	12	1,348	1,216	1,109					
19	2020	1	1,394	1,218	1,144					
20	2020	2	1,305	1,226	1,064					
21	2020	3	1,337	1,227	1,090					
22	2020	4	1,307	1,226	1,066					
23	2020	5	1,309	1,226	1,068					
24	2020	6	1,284	1,228	1,046	15,840	13,016	-347	1,231	-213,320

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUCOMUTR
TRAFFIC LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	1,328	
2	2019	8	1,305	
3	2019	9	1,301	
4	2019	10	1,316	
5	2019	11	1,306	
6	2019	12	1,348	
7	2020	1	1,394	
8	2020	2	1,305	
9	2020	3	1,337	
10	2020	4	1,307	
11	2020	5	1,309	
12	2020	6	1,284	15,840,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	1,204	1,204	27	1,328	1,103	29,781	
2	2019	8	1,206	1,206	25	1,305	1,082	27,052	
3	2019	9	1,209	1,205	26	1,301	1,080	28,071	
4	2019	10	1,211	1,207	24	1,316	1,090	26,167	
5	2019	11	1,213	1,215	16	1,306	1,075	17,198	
6	2019	12	1,215	1,216	15	1,348	1,109	16,628	
7	2020	1	1,218	1,218	13	1,394	1,144	14,878	
8	2020	2	1,220	1,226	5	1,305	1,064	5,322	
9	2020	3	1,223	1,227	4	1,337	1,090	4,359	
10	2020	4	1,225	1,226	5	1,307	1,066	5,330	
11	2020	5	1,228	1,226	5	1,309	1,068	5,339	
12	2020	6	1,231	1,228	3	1,284	1,046	3,137	183,262
				=====	=====				
				14,604	168				

VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2020
COMMONWEALTH OF VIRGINIA

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	MISCELLANEOUS LIGHT & POWER	-36,817,624	-13,377,862	11,184,890	-39,010,596
2	STREET LIGHTS	12,688	0	-9,968	2,720
3	TRAFFIC LIGHTS	-137,056	0	99,457	-37,599
		=====	=====	=====	=====
		-36,941,992	-13,377,862	11,274,379	-39,045,475

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUSTMLP
MISCELLANEOUS, LIGHT AND POWER
COMMONWEALTH OF VIRGINIA

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	207,192	5,256	39,420					
2	2018	8	206,149	5,256	39,222					
3	2018	9	210,333	5,263	39,965					
4	2018	10	225,091	5,264	42,760					
5	2018	11	184,287	5,268	34,982					
6	2018	12	192,226	5,272	36,462					
7	2019	1	172,939	5,280	32,754					
8	2019	2	176,306	5,287	33,347					
9	2019	3	180,040	5,283	34,079					
10	2019	4	173,364	5,285	32,803					
11	2019	5	180,849	5,251	34,441					
12	2019	6	183,374	5,263	34,842	2,292,150	435,077		5,259	
13	2019	7	197,659	5,252	37,635					
14	2019	8	232,228	5,238	44,335					
15	2019	9	186,278	5,256	35,441					
16	2019	10	205,054	5,251	39,050					
17	2019	11	167,201	5,233	31,951					
18	2019	12	192,417	5,235	36,756					
19	2020	1	193,575	5,229	37,020					
20	2020	2	183,405	5,232	35,055					
21	2020	3	184,024	5,237	35,139					
22	2020	4	162,310	5,240	30,975					
23	2020	5	141,217	5,244	26,929					
24	2020	6	163,099	5,292	30,820	2,208,468	421,107	-13,970	5,271	-36,817,624

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUSTMLP
MISCELLANEOUS, LIGHT AND POWER
COMMONWEALTH OF VIRGINIA

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	197,659	202,727	-5,068			
2	2019	8	232,228	235,559	-3,331			
3	2019	9	186,278	196,827	-10,549			
4	2019	10	205,054	207,721	-2,667			
5	2019	11	167,201	167,794	-593			
6	2019	12	192,417	191,634	783			
7	2020	1	193,575	191,738	1,837			
8	2020	2	183,405	182,062	1,343			
9	2020	3	184,024	183,052	972			
10	2020	4	162,310	160,354	1,956			
11	2020	5	141,217	138,082	3,135			
12	2020	6	163,099	164,296	-1,197	2,208,468	2,221,846	-13,377,862

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	5,255	5,252	19	197,659	37,635	715,065	
2	2019	8	5,250	5,238	33	232,228	44,335	1,463,063	
3	2019	9	5,245	5,256	15	186,278	35,441	531,615	
4	2019	10	5,241	5,251	20	205,054	39,050	781,009	
5	2019	11	5,238	5,233	38	167,201	31,951	1,214,148	
6	2019	12	5,235	5,235	36	192,417	36,756	1,323,211	
7	2020	1	5,235	5,229	42	193,575	37,020	1,554,819	
8	2020	2	5,236	5,232	39	183,405	35,054	1,367,124	
9	2020	3	5,240	5,237	34	184,024	35,139	1,194,733	
10	2020	4	5,247	5,240	31	162,310	30,975	960,231	
11	2020	5	5,257	5,244	27	141,217	26,929	727,090	
12	2020	6	5,271	5,292	-21	163,099	30,820	-647,218	11,184,890
			=====	=====	=====				
				62,939	313				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUSTST
STREET LIGHTS
COMMONWEALTH OF VIRGINIA

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	373	223	1,673					
2	2018	8	383	223	1,717					
3	2018	9	368	223	1,650					
4	2018	10	386	223	1,731					
5	2018	11	364	223	1,632					
6	2018	12	369	223	1,655					
7	2019	1	364	222	1,640					
8	2019	2	372	222	1,676					
9	2019	3	376	222	1,694					
10	2019	4	374	222	1,685					
11	2019	5	378	222	1,703					
12	2019	6	375	222	1,689	4,482	20,144		222	
13	2019	7	360	221	1,629					
14	2019	8	401	221	1,814					
15	2019	9	362	221	1,638					
16	2019	10	384	221	1,738					
17	2019	11	349	222	1,572					
18	2019	12	381	220	1,732					
19	2020	1	376	219	1,717					
20	2020	2	364	219	1,662					
21	2020	3	376	221	1,701					
22	2020	4	372	221	1,683					
23	2020	5	366	220	1,664					
24	2020	6	376	220	1,709	4,467	20,259	115	220	12,688

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUSTST
STREET LIGHTS
COMMONWEALTH OF VIRGINIA

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	360	
2	2019	8	401	
3	2019	9	362	
4	2019	10	384	
5	2019	11	349	
6	2019	12	381	
7	2020	1	376	
8	2020	2	364	
9	2020	3	376	
10	2020	4	372	
11	2020	5	366	
12	2020	6	376	4,467,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	221	221	-1	360	1,629	-1,629	
2	2019	8	221	221	-1	401	1,814	-1,814	
3	2019	9	221	221	-1	362	1,638	-1,638	
4	2019	10	221	221	-1	384	1,738	-1,738	
5	2019	11	221	222	-2	349	1,572	-3,144	
6	2019	12	221	220	0	381	1,732	0	
7	2020	1	220	219	1	376	1,717	1,717	
8	2020	2	220	219	1	364	1,662	1,662	
9	2020	3	220	221	-1	376	1,701	-1,701	
10	2020	4	220	221	-1	372	1,683	-1,683	
11	2020	5	220	220	0	366	1,664	0	
12	2020	6	220	220	0	376	1,709	0	-9,968
			=====	=====					
				2,646	-6				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2020
CUSTTR
TRAFFIC LIGHTS
COMMONWEALTH OF VIRGINIA

Obs	YEAR	MONTH	ACTUAL MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	1,222	1,512	808					
2	2018	8	1,241	1,522	815					
3	2018	9	1,255	1,527	822					
4	2018	10	1,279	1,536	833					
5	2018	11	1,222	1,544	791					
6	2018	12	1,319	1,546	853					
7	2019	1	1,119	1,544	725					
8	2019	2	1,204	1,546	779					
9	2019	3	1,294	1,551	834					
10	2019	4	1,205	1,555	775					
11	2019	5	1,205	1,557	774					
12	2019	6	1,216	1,561	779	14,781	9,588		1,563	
13	2019	7	1,247	1,572	793					
14	2019	8	1,218	1,572	775					
15	2019	9	1,227	1,577	778					
16	2019	10	1,261	1,577	800					
17	2019	11	1,206	1,574	766					
18	2019	12	1,311	1,574	833					
19	2020	1	1,349	1,575	857					
20	2020	2	1,202	1,577	762					
21	2020	3	1,241	1,586	782					
22	2020	4	1,222	1,589	769					
23	2020	5	1,177	1,590	740					
24	2020	6	1,211	1,592	761	14,872	9,416	-172	1,590	-137,056

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUSTTR
TRAFFIC LIGHTS
COMMONWEALTH OF VIRGINIA

Obs	YEAR	MONTH	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2019	7	1,247	
2	2019	8	1,218	
3	2019	9	1,227	
4	2019	10	1,261	
5	2019	11	1,206	
6	2019	12	1,311	
7	2020	1	1,349	
8	2020	2	1,202	
9	2020	3	1,241	
10	2020	4	1,222	
11	2020	5	1,177	
12	2020	6	1,211	14,872,000

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2019	7	1,566	1,572	18	1,247	793	14,279	
2	2019	8	1,569	1,572	18	1,218	775	13,947	
3	2019	9	1,572	1,577	13	1,227	778	10,115	
4	2019	10	1,574	1,577	13	1,261	800	10,395	
5	2019	11	1,577	1,574	16	1,206	766	12,259	
6	2019	12	1,579	1,574	16	1,311	833	13,327	
7	2020	1	1,581	1,575	15	1,349	857	12,848	
8	2020	2	1,583	1,577	13	1,202	762	9,909	
9	2020	3	1,585	1,586	4	1,241	782	3,130	
10	2020	4	1,587	1,589	1	1,222	769	769	
11	2020	5	1,588	1,590	0	1,177	740	0	
12	2020	6	1,590	1,592	-2	1,211	761	-1,521	99,457
				=====	=====				
				18,955	125				

VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2020
MS - GOVERNMENTAL SERVICE

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	MS	- 813,392,490	2,377,150,405	73,520,659	1,637,278,574
		=====	=====	=====	=====
		- 813,392,490	2,377,150,405	73,520,659	1,637,278,574

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	CUSTOMERS	MONTHLY AVERAGE KWH	TOTAL MWH	TOTAL AVERAGE KWH PER YEAR	CHANGE IN AVERAGE KWH PER YEAR	PREDICTED END OF PERIOD CUSTOMERS	KWH ATTRIBUTED TO INC. USAGE
1	2018	7	581,359	1,894	306,948					
2	2018	8	442,538	1,923	230,129					
3	2018	9	1,198,145	1,752	683,873					
4	2018	10	1,546,864	1,924	803,984					
5	2018	11	437,914	1,709	256,240					
6	2018	12	154,693	1,785	86,663					
7	2019	1	502,247	1,858	270,316					
8	2019	2	314,323	1,759	178,694					
9	2019	3	311,044	1,849	168,223					
10	2019	4	383,954	1,852	207,319					
11	2019	5	983,767	1,863	528,055					
12	2019	6	980,214	1,795	546,080	7,837,063	4,266,523		1,809	
13	2019	7	819,296	1,865	439,301					
14	2019	8	801,904	1,861	430,900					
15	2019	9	859,049	1,774	484,244					
16	2019	10	1,379,432	1,863	740,436					
17	2019	11	346,752	1,571	220,720					
18	2019	12	260,800	1,852	140,821					
19	2020	1	441,057	1,867	236,239					
20	2020	2	412,000	1,782	231,201					
21	2020	3	414,251	1,870	221,524					
22	2020	4	351,341	1,864	188,488					
23	2020	5	-155,253	1,781	-87,172					
24	2020	6	262,132	1,866	140,478	6,192,761	3,387,179	-879,343	1,850	-813,392,490

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2020
CUMS
MS - GOVERNMENTAL SERVICE
NON-JURISDICTIONAL

Obs	YEAR	MONTH	WEATHER NORMALIZED MWH	ACTUAL MWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED MWH	TOTAL ACTUAL MWH	TOTAL WEATHER EFFECT KWH (1000 X MWH)
1	2019	7	819,296	393,180	426,116			
2	2019	8	801,904	364,677	437,227			
3	2019	9	859,049	337,124	521,925			
4	2019	10	1,379,432	354,935	1,024,497			
5	2019	11	346,752	261,097	85,655			
6	2019	12	260,800	323,693	-62,893			
7	2020	1	441,057	328,675	112,382			
8	2020	2	412,000	292,271	119,729			
9	2020	3	414,251	298,409	115,842			
10	2020	4	351,341	277,898	73,443			
11	2020	5	-155,253	270,592	-425,845			
12	2020	6	262,132	313,060	-50,928	6,192,761	3,815,611	2,377,150,405

Obs	YEAR	MONTH	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS (TO NEAREST INTEGER)	WEATHER NORMALIZED MWH	AVERAGE KWH WEATHER NORMALIZED	CHANGE IN WEA. NORM. KWH	TOTAL CHANGE IN WEA. NORM. KWH
1	2019	7	1,806	1,865	-15	819,296	439,301	-6,589,512	
2	2019	8	1,804	1,861	-11	801,904	430,900	-4,739,895	
3	2019	9	1,803	1,774	76	859,049	484,244	36,802,550	
4	2019	10	1,803	1,863	-13	1,379,432	740,436	-9,625,666	
5	2019	11	1,805	1,571	279	346,752	220,721	61,581,036	
6	2019	12	1,807	1,852	-2	260,800	140,821	-281,641	
7	2020	1	1,811	1,867	-17	441,057	236,238	-4,016,052	
8	2020	2	1,816	1,782	68	412,000	231,201	15,721,661	
9	2020	3	1,823	1,870	-20	414,251	221,525	-4,430,492	
10	2020	4	1,830	1,864	-14	351,341	188,488	-2,638,827	
11	2020	5	1,840	1,781	69	-155,253	-87,172	-6,014,855	
12	2020	6	1,850	1,866	-16	262,132	140,478	-2,247,648	73,520,659
			=====	=====	=====				
				21,816	384				

Obs	YEAR	MONTH	WEATHER NORMALIZED KWH	ACTUAL KWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED KWH	TOTAL ACTUAL KWH	TOTAL WEATHER EFFECT KWH
1	2019	7	139,139,511	144,188,845	-5,049,334			
2	2019	8	133,733,120	137,055,713	-3,322,592			
3	2019	9	114,645,297	124,434,774	-9,789,476			
4	2019	10	108,281,506	106,131,987	2,149,519			
5	2019	11	108,113,521	113,893,120	-5,779,599			
6	2019	12	130,504,555	126,479,486	4,025,068			
7	2020	1	141,498,924	130,544,130	10,954,794			
8	2020	2	125,988,877	118,650,067	7,338,810			
9	2020	3	117,290,066	106,182,382	11,107,685			
10	2020	4	91,664,488	91,287,737	376,752			
11	2020	5	97,243,290	97,198,927	44,363			
12	2020	6	116,709,588	117,786,973	-1,077,385	1,424,812,744	1,413,834,140	10,978,604

Obs	YEAR	MONTH	WEATHER NORMALIZED KWH	ACTUAL KWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED KWH	TOTAL ACTUAL KWH	TOTAL WEATHER EFFECT KWH
1	2019	7	86,578,924	90,538,000	-3,959,076			
2	2019	8	87,669,665	89,558,000	-1,888,335			
3	2019	9	91,166,583	104,400,000	-13,233,417			
4	2019	10	109,396,620	107,743,000	1,653,620			
5	2019	11	100,727,074	108,572,000	-7,844,926			
6	2019	12	114,764,592	106,443,000	8,321,592			
7	2020	1	3,133,674	2,832,000	301,674			
8	2020	2	3,227,836	2,972,000	255,836			
9	2020	3	88,869	76,000	12,869			
10	2020	4	2,058,691	2,069,000	-10,309			
11	2020	5	2,513,319	2,552,000	-38,681			
12	2020	6	1,354,289	1,366,000	-11,711	602,680,136	619,121,000	-16,440,864

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590
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 JDM-1, Schedule 4 attached to the testimony of Jeffrey D. Matzen.

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590
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 2019 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**

**Rule R8-55(e)(4)
Schedule 1**

Actual Fuel Expense Rate- \$/MWh

July 2019 - June 2020
12 month Average

Nuclear	\$6.01
Coal (1)	\$33.37
Heavy Oil	\$74.89
Combined Cycle and Combustion Turbine (2)	\$20.40
Power Purchases (applic NUG and PJM at appropriate market %)	\$30.58

- (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 590
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's fuel filing.

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590
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's fuel filing.

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590
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 2019 through December 2019 were filed in Docket No. E-22, Sub 564. The Monthly Base Load Power Plant Performance Reports for the months of January 2020 through June 2020 were filed in Docket No. E-22, Sub 582.

Rule R8-55(e)(11)

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590
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 Jeffrey D. Matzen.

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 2020	Expected Net Capacity Factor for 12 Months Ended Jan '22	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 6/20	Increase (Decrease) in Nuclear (7) - (8)
North Anna 1	95.0%	90.6%	948	7,524,163	6,651,360	6,651,360		
North Anna 2	99.2%	90.6%	944	7,488,382	6,619,730	6,619,730		
Total North Anna					13,271,090	13,271,090	14,260,268	
Surry 1	90.3%	92.8%	838	6,815,140		6,815,140		
Surry 2	92.6%	100.2%	838	7,359,050		7,359,050		
Total Surry						14,174,190	13,463,884	
Grand Total				29,186,735		27,445,280	27,724,152	(278,872)

**DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 590
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 579	NET MDC MW CURRENT PROCEEDING DOCKET NO. E-22, SUB 590
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 590
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 6.