

**DOMINION ENERGY NORTH CAROLINA  
DOCKET NO. E-22, SUB 605**

**RULE R8-55  
INFORMATION AND WORKPAPERS  
AUGUST 10, 2021**

**DOMINION ENERGY NORTH CAROLINA  
DOCKET NO. E-22, SUB 605  
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 Company Exhibit RC-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 605  
RULE R8-55**

Rule R8-55(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 2021 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 590).

Consistent with the filing in Docket E-22, Sub 590 (2020 Fuel Filing), the Company wants to note how Federal Government customers and usage in the Company's Virginia service territory have been handled. 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 began impacting the MS class in the month of January 2017.

**VIRGINIA ELECTRIC AND POWER COMPANY  
SUMMARY OF REGRESSION ANALYSIS  
TWELVE MONTHS ENDED JUNE 30, 2021**

<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>
<b>NORTH CAROLINA</b>					
RESIDENTIAL - 1	36	POLYNOMIAL	0.9668	106,839	106,811
COMMERCIAL - 7	36	POLYNOMIAL	0.9333	63	64
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.9965	12,576	12,571
STREET LIGHTS - 26	36	POLYNOMIAL	0.6324	252	253
TRAFFIC LIGHTS - 26	36	POLYNOMIAL	0.8564	193	193
PUBLIC AUTHORITY - 30	36	POLYNOMIAL	0.5020	1,092	1,098
PUBLIC AUTHORITY - 42	36	POLYNOMIAL	0.8649	755	753
COMMERCIAL - 5	36	POLYNOMIAL	0.9689	16,271	16,290
COMMERCIAL - 6	36	POLYNOMIAL	0.5028	34	34
INDUSTRIAL - 5	36	POLYNOMIAL	0.8137	24	24
INDUSTRIAL - 6	36	POLYNOMIAL	0.8814	21	21
INDUSTRIAL - 6VP	36	-NA-		3	3 #
INDUSTRIAL - NS	36	-NA-		1	1 #
<b>VIRGINIA</b>					
RESIDENTIAL - 1	36	POLYNOMIAL	0.9992	2,305,044	2,304,003
COMMERCIAL - 7	36	POLYNOMIAL	0.9716	338	336
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.8158	55,553	55,496
CHURCHES	36	POLYNOMIAL	0.9124	3,023	3,023
COMMERCIAL	36	POLYNOMIAL	0.9773	227,936	228,019
INDUSTRIAL	36	POLYNOMIAL	0.9842	542	545
INDUSTRIAL - 56-235.2	36	-NA-		0	0 #
<b>COUNTY</b>					
COUNTY ML&P	36	POLYNOMIAL	0.9101	4,245	4,235
MUNICIPAL ML&P	36	POLYNOMIAL	0.9834	16,845	16,850
COUNTY/MUNI STREET LIGHTS	36	POLYNOMIAL	0.9858	1,483	1,494
COUNTY/MUNI TRAFFIC LIGHTS	36	POLYNOMIAL	0.9908	1,251	1,250
<b>STATE</b>					
MISCELLANEOUS	36	POLYNOMIAL	0.5239	5,327	5,300
STREET LIGHTS	36	POLYNOMIAL	0.0784	219	235
TRAFFIC LIGHTS	36	POLYNOMIAL	0.9874	1,645	1,641
MS - GOVT. SERVICE	36	POLYNOMIAL	0.7396	1,645	1,644

# ACTUAL CUSTOMERS USED IN THESE RATE SCHEDULES

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VIRGINIA ELECTRIC AND POWER COMPANY  
SUMMARY OF KWH ATTRIBUTABLE TO  
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH  
12 MONTHS ENDED JUNE 30, 2021  
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	43,057,563	-3,151,586	16,438,286	56,344,263	58,739,570
2	VIRGINIA	132,021,508	-187,082,768	313,978,375	258,917,115	269,924,199
3	COUNTY/MUNICIPAL	-60,512,182	-54,456,967	1,876,100	-113,093,049	-117,900,861
4	STATE	-114,326,818	-18,856,099	99,041,786	-34,141,131	-35,592,539
5	MS - GOVERNMENTAL	26,861,078	983,146,726	31,024,906	1,041,032,710	1,085,289,093
6	FERC	0	4,559,232	0	4,559,232	4,753,054
7	ODEC	0	0	0	0	0
		=====	=====	=====	=====	=====
		27,101,149	724,158,538	462,359,453	1,213,619,140	1,265,212,516

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NORTH CAROLINA POWER  
SUMMARY OF KWH ATTRIBUTABLE TO  
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH  
12 MONTHS ENDED JUNE 30, 2021  
NORTH CAROLINA JURISDICTIONAL

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	NC RESIDENTIAL	42,454,649	3,873,718	9,227,982	55,556,349
2	NC SCHEDULE 7	-26,386	-4,331	-21,143	-51,860
3	NC OUTDOOR LIGHTING	-250,295	0	163,265	-87,030
4	NC STREET LIGHTS	-341,234	0	23,216	-318,018
5	NC TRAFFIC LIGHTS	-11,120	0	1,824	-9,296
6	NC PUBLIC AUTHORITY	-933,111	-1,164,274	1,207,231	-890,154
7	NC SCHEDULE 42	-238,708	1,781	190,504	-46,423
8	NC COMMERCIAL - 5	-10,951,026	-5,537,694	4,714,562	-11,774,158
9	NC COMMERCIAL - 6	565,182	0	1,501,334	2,066,516
10	NC INDUSTRIAL - 5	1,106,029	-320,786	-570,489	214,754
11	NC INDUSTRIAL - 6	-3,518,159	0	0	-3,518,159
12	NC INDUSTRIAL - 6VP	-1,222,947	0	0	-1,222,947
13	NC INDUSTRIAL - NUCOR	16,424,688	0	0	16,424,688
		=====	=====	=====	=====
		43,057,563	-3,151,586	16,438,286	56,344,263

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NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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	2019	7	162,254	104,702	1,550					
2	2019	8	167,017	104,727	1,595					
3	2019	9	132,282	104,732	1,263					
4	2019	10	99,302	104,678	949					
5	2019	11	79,535	104,743	759					
6	2019	12	127,942	104,924	1,219					
7	2020	1	181,144	105,002	1,725					
8	2020	2	148,506	104,964	1,415					
9	2020	3	146,400	105,095	1,393					
10	2020	4	111,592	105,221	1,061					
11	2020	5	77,623	105,446	736					
12	2020	6	116,271	105,587	1,101	1,549,868	14,766		105,522	
13	2020	7	164,355	105,729	1,554					
14	2020	8	164,080	105,845	1,550					
15	2020	9	144,518	105,943	1,364					
16	2020	10	111,780	106,008	1,054					
17	2020	11	98,869	106,089	932					
18	2020	12	147,548	106,170	1,390					
19	2021	1	160,918	106,248	1,515					
20	2021	2	167,929	106,337	1,579					
21	2021	3	164,119	106,449	1,542					
22	2021	4	121,033	106,616	1,135					
23	2021	5	85,757	106,680	804					
24	2021	6	121,919	106,839	1,141	1,652,825	15,561	795	106,811	42,454,649

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	164,355	169,804	-5,449			
2	2020	8	164,080	182,905	-18,825			
3	2020	9	144,518	158,607	-14,089			
4	2020	10	111,780	106,669	5,111			
5	2020	11	98,869	80,751	18,118			
6	2020	12	147,548	133,175	14,373			
7	2021	1	160,918	158,210	2,708			
8	2021	2	167,929	176,726	-8,797			
9	2021	3	164,119	159,198	4,921			
10	2021	4	121,033	106,745	14,288			
11	2021	5	85,757	87,613	-1,856			
12	2021	6	121,919	128,548	-6,629	1,652,825	1,648,951	3,873,718



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	2020	7	105,622	105,729	1,082	164,355	1,554	1,681,961	
2	2020	8	105,726	105,845	966	164,080	1,550	1,497,485	
3	2020	9	105,833	105,943	868	144,518	1,364	1,184,048	
4	2020	10	105,942	106,008	803	111,780	1,054	846,723	
5	2020	11	106,053	106,089	722	98,869	932	672,864	
6	2020	12	106,166	106,170	641	147,548	1,390	890,819	
7	2021	1	106,279	106,248	563	160,918	1,515	852,692	
8	2021	2	106,391	106,337	474	167,929	1,579	748,548	
9	2021	3	106,502	106,449	362	164,119	1,542	558,118	
10	2021	4	106,610	106,616	195	121,033	1,135	221,369	
11	2021	5	106,714	106,680	131	85,757	804	105,307	
12	2021	6	106,811	106,839	-28	121,919	1,141	-31,952	9,227,982
			=====	=====	=====				
			1,274,953		6,779				

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NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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	2019	7	115	69	1,662					
2	2019	8	131	69	1,900					
3	2019	9	117	69	1,691					
4	2019	10	72	68	1,058					
5	2019	11	59	68	869					
6	2019	12	110	67	1,640					
7	2020	1	159	67	2,372					
8	2020	2	158	67	2,356					
9	2020	3	136	66	2,066					
10	2020	4	84	66	1,270					
11	2020	5	39	66	585					
12	2020	6	59	66	895	1,238	18,363		66	
13	2020	7	93	66	1,414					
14	2020	8	120	66	1,823					
15	2020	9	107	66	1,625					
16	2020	10	76	66	1,152					
17	2020	11	76	65	1,172					
18	2020	12	93	65	1,435					
19	2021	1	129	65	1,989					
20	2021	2	123	65	1,899					
21	2021	3	143	65	2,199					
22	2021	4	85	65	1,307					
23	2021	5	43	64	678					
24	2021	6	53	63	845	1,144	17,539	-825	64	-26,386

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	93	101	-8			
2	2020	8	120	147	-27			
3	2020	9	107	127	-20			
4	2020	10	76	69	7			
5	2020	11	76	55	21			
6	2020	12	93	76	17			
7	2021	1	129	126	3			
8	2021	2	123	134	-11			
9	2021	3	143	137	6			
10	2021	4	85	68	17			
11	2021	5	43	46	-3			
12	2021	6	53	62	-9	1,144	1,148	-4,331

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	2020	7	66	66	-2	93	1,409	-2,818	
2	2020	8	66	66	-2	120	1,818	-3,636	
3	2020	9	66	66	-2	107	1,621	-3,242	
4	2020	10	65	66	-2	76	1,152	-2,303	
5	2020	11	65	65	-1	76	1,169	-1,169	
6	2020	12	65	65	-1	93	1,431	-1,431	
7	2021	1	65	65	-1	129	1,985	-1,985	
8	2021	2	65	65	-1	123	1,892	-1,892	
9	2021	3	65	65	-1	143	2,200	-2,200	
10	2021	4	64	65	-1	85	1,308	-1,308	
11	2021	5	64	64	0	43	672	0	
12	2021	6	64	63	1	53	841	841	-21,143
			=====	=====	=====				
			781		-13				

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 INCREASE IN USAGE
1	2019	7	1,497	12,105	124					
2	2019	8	1,445	12,105	119					
3	2019	9	1,376	12,102	114					
4	2019	10	1,472	12,122	121					
5	2019	11	1,240	12,129	102					
6	2019	12	1,417	12,148	117					
7	2020	1	1,507	12,182	124					
8	2020	2	1,294	12,187	106					
9	2020	3	1,500	12,189	123					
10	2020	4	1,378	12,218	113					
11	2020	5	1,277	12,247	104					
12	2020	6	1,502	12,279	122	16,905	1,389		12,278	
13	2020	7	1,485	12,323	121					
14	2020	8	1,385	12,345	112					
15	2020	9	1,422	12,381	115					
16	2020	10	1,418	12,386	114					
17	2020	11	1,262	12,399	102					
18	2020	12	1,511	12,447	121					
19	2021	1	1,318	12,470	106					
20	2021	2	1,312	12,481	105					
21	2021	3	1,563	12,504	125					
22	2021	4	1,378	12,539	110					
23	2021	5	1,280	12,561	102					
24	2021	6	1,468	12,576	117	16,802	1,350	-40	12,571	-250,295

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUNCLTS  
OUTDOOR LIGHTING  
NORTH CAROLINA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	1,485	
2	2020	8	1,385	
3	2020	9	1,422	
4	2020	10	1,418	
5	2020	11	1,262	
6	2020	12	1,511	
7	2021	1	1,318	
8	2021	2	1,312	
9	2021	3	1,563	
10	2021	4	1,378	
11	2021	5	1,280	
12	2021	6	1,468	16,802,000

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	12,305	12,323	248	1,485	121	29,885	
2	2020	8	12,332	12,345	226	1,385	112	25,355	
3	2020	9	12,359	12,381	190	1,422	115	21,822	
4	2020	10	12,387	12,386	185	1,418	114	21,180	
5	2020	11	12,415	12,399	172	1,262	102	17,507	
6	2020	12	12,442	12,447	124	1,511	121	15,053	
7	2021	1	12,469	12,470	101	1,318	106	10,675	
8	2021	2	12,494	12,481	90	1,312	105	9,461	
9	2021	3	12,517	12,504	67	1,563	125	8,375	
10	2021	4	12,538	12,539	32	1,378	110	3,517	
11	2021	5	12,556	12,561	10	1,280	102	1,019	
12	2021	6	12,571	12,576	-5	1,468	117	-584	163,265
				=====	=====				
				149,412	1,440				

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUNCPA  
PUBLIC AUTHORITY  
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	2019	7	7,880	1,083	7,276					
2	2019	8	8,069	1,081	7,465					
3	2019	9	7,456	1,080	6,903					
4	2019	10	6,534	1,079	6,056					
5	2019	11	6,081	1,086	5,600					
6	2019	12	6,364	1,096	5,807					
7	2020	1	7,058	1,084	6,511					
8	2020	2	6,619	1,085	6,101					
9	2020	3	6,403	1,080	5,929					
10	2020	4	5,382	1,078	4,993					
11	2020	5	4,790	1,079	4,440					
12	2020	6	5,878	1,077	5,457	78,515	72,537		1,077	
13	2020	7	7,115	1,075	6,618					
14	2020	8	6,895	1,070	6,444					
15	2020	9	7,414	1,069	6,935					
16	2020	10	6,377	1,074	5,937					
17	2020	11	5,468	1,081	5,058					
18	2020	12	6,392	1,081	5,913					
19	2021	1	6,310	1,078	5,853					
20	2021	2	6,129	1,078	5,685					
21	2021	3	6,433	1,091	5,896					
22	2021	4	5,899	1,096	5,382					
23	2021	5	5,550	1,093	5,078					
24	2021	6	6,592	1,092	6,036	76,572	70,837	-1,700	1,098	-933,111

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	7,115	7,311	-196			
2	2020	8	6,895	7,614	-719			
3	2020	9	7,414	7,926	-512			
4	2020	10	6,377	6,207	170			
5	2020	11	5,468	5,354	114			
6	2020	12	6,392	6,231	161			
7	2021	1	6,310	6,271	39			
8	2021	2	6,129	6,233	-104			
9	2021	3	6,433	6,373	60			
10	2021	4	5,899	5,745	154			
11	2021	5	5,550	5,638	-88			
12	2021	6	6,592	6,833	-241	76,572	77,736	-1,164,274

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	2020	7	1,077	1,075	23	7,115	6,619	152,228	
2	2020	8	1,076	1,070	28	6,895	6,444	180,430	
3	2020	9	1,076	1,069	29	7,414	6,935	201,128	
4	2020	10	1,077	1,074	24	6,377	5,938	142,503	
5	2020	11	1,077	1,081	17	5,468	5,058	85,991	
6	2020	12	1,078	1,081	17	6,392	5,913	100,522	
7	2021	1	1,080	1,078	20	6,310	5,853	117,069	
8	2021	2	1,082	1,078	20	6,129	5,686	113,711	
9	2021	3	1,085	1,091	7	6,433	5,896	41,275	
10	2021	4	1,088	1,096	2	5,899	5,382	10,765	
11	2021	5	1,093	1,093	5	5,550	5,078	25,389	
12	2021	6	1,098	1,092	6	6,592	6,037	36,220	1,207,231
			=====	=====	=====				
				12,978	198				

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NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUNC42  
SCHEDULE 42  
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	2019	7	3,468	754	4,600					
2	2019	8	3,553	750	4,737					
3	2019	9	3,206	750	4,274					
4	2019	10	2,965	752	3,942					
5	2019	11	2,570	752	3,418					
6	2019	12	3,704	752	4,925					
7	2020	1	4,572	752	6,079					
8	2020	2	4,157	753	5,521					
9	2020	3	3,886	750	5,181					
10	2020	4	3,102	751	4,131					
11	2020	5	2,161	751	2,878					
12	2020	6	2,501	749	3,339	39,844	53,025		749	
13	2020	7	3,099	748	4,144					
14	2020	8	3,036	748	4,059					
15	2020	9	3,347	748	4,475					
16	2020	10	2,701	749	3,606					
17	2020	11	2,604	748	3,481					
18	2020	12	3,600	748	4,813					
19	2021	1	4,082	750	5,443					
20	2021	2	4,203	749	5,611					
21	2021	3	4,210	749	5,621					
22	2021	4	3,228	749	4,310					
23	2021	5	2,405	753	3,194					
24	2021	6	2,744	755	3,634	39,260	52,391	-634	753	-238,708

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Aug 10 2021

NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	3,099	3,215	-116			
2	2020	8	3,036	3,438	-402			
3	2020	9	3,347	3,647	-300			
4	2020	10	2,701	2,593	108			
5	2020	11	2,604	2,251	353			
6	2020	12	3,600	3,316	284			
7	2021	1	4,082	4,028	54			
8	2021	2	4,203	4,377	-174			
9	2021	3	4,210	4,113	97			
10	2021	4	3,228	2,947	281			
11	2021	5	2,405	2,446	-41			
12	2021	6	2,744	2,887	-143	39,260	39,258	1,781

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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	2020	7	748	748	5	3,099	4,143	20,715	
2	2020	8	748	748	5	3,036	4,059	20,294	
3	2020	9	748	748	5	3,347	4,475	22,373	
4	2020	10	748	749	4	2,701	3,606	14,425	
5	2020	11	749	748	5	2,604	3,481	17,406	
6	2020	12	749	748	5	3,600	4,813	24,064	
7	2021	1	749	750	3	4,082	5,443	16,328	
8	2021	2	750	749	4	4,203	5,611	22,446	
9	2021	3	750	749	4	4,210	5,621	22,483	
10	2021	4	751	749	4	3,228	4,310	17,239	
11	2021	5	752	753	0	2,405	3,194	0	
12	2021	6	753	755	-2	2,744	3,634	-7,269	190,504
			=====	=====	=====				
			8,994		42				

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Aug 10 2021

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUNCCOM5  
COMMERCIAL 5  
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	2019	7	63,965	16,030	3,990					
2	2019	8	64,614	16,034	4,030					
3	2019	9	57,952	16,030	3,615					
4	2019	10	57,417	16,010	3,586					
5	2019	11	48,785	15,986	3,052					
6	2019	12	53,707	15,985	3,360					
7	2020	1	57,769	15,985	3,614					
8	2020	2	52,315	15,994	3,271					
9	2020	3	49,152	16,013	3,069					
10	2020	4	43,544	16,024	2,717					
11	2020	5	37,274	16,057	2,321					
12	2020	6	49,914	16,057	3,109	636,409	39,735		16,057	
13	2020	7	61,169	16,075	3,805					
14	2020	8	56,112	16,088	3,488					
15	2020	9	57,865	16,081	3,598					
16	2020	10	52,723	16,110	3,273					
17	2020	11	46,160	16,154	2,858					
18	2020	12	55,288	16,182	3,417					
19	2021	1	54,061	16,186	3,340					
20	2021	2	47,580	16,179	2,941					
21	2021	3	51,174	16,220	3,155					
22	2021	4	45,883	16,258	2,822					
23	2021	5	41,876	16,271	2,574					
24	2021	6	50,776	16,271	3,121	620,666	38,390	-1,345	16,290	-10,951,026

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Aug 10 2021

NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	61,169	62,650	-1,481			
2	2020	8	56,112	61,453	-5,341			
3	2020	9	57,865	61,725	-3,860			
4	2020	10	52,723	51,408	1,315			
5	2020	11	46,160	43,965	2,195			
6	2020	12	55,288	53,185	2,103			
7	2021	1	54,061	53,622	439			
8	2021	2	47,580	48,898	-1,318			
9	2021	3	51,174	50,431	743			
10	2021	4	45,883	43,824	2,059			
11	2021	5	41,876	42,476	-600			
12	2021	6	50,776	52,567	-1,791	620,666	626,204	-5,537,694

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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	2020	7	16,070	16,075	215	61,169	3,805	818,124	
2	2020	8	16,084	16,088	202	56,112	3,488	704,539	
3	2020	9	16,100	16,081	209	57,865	3,598	752,054	
4	2020	10	16,117	16,110	180	52,723	3,273	589,084	
5	2020	11	16,136	16,154	136	46,160	2,857	388,620	
6	2020	12	16,155	16,182	108	55,288	3,417	368,997	
7	2021	1	16,176	16,186	104	54,061	3,340	347,358	
8	2021	2	16,198	16,179	111	47,580	2,941	326,434	
9	2021	3	16,220	16,220	70	51,174	3,155	220,850	
10	2021	4	16,243	16,258	32	45,883	2,822	90,310	
11	2021	5	16,266	16,271	19	41,876	2,574	48,900	
12	2021	6	16,290	16,271	19	50,776	3,121	59,292	4,714,562
			=====	=====	=====				
				194,075	1,405				

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Aug 10 2021



NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 ATTRIBUTABLE TO INCREASE IN USAGE
1	2019	7	11,136	34	327,529					
2	2019	8	13,271	34	390,324					
3	2019	9	10,260	34	301,765					
4	2019	10	15,253	34	448,618					
5	2019	11	9,779	34	287,618					
6	2019	12	12,328	34	362,588					
7	2020	1	10,702	34	314,765					
8	2020	2	9,931	34	292,088					
9	2020	3	9,996	33	302,909					
10	2020	4	9,330	33	282,727					
11	2020	5	8,595	33	260,455					
12	2020	6	10,358	33	313,879	130,939	3,885,264		33	
13	2020	7	12,113	33	367,061					
14	2020	8	11,444	33	346,788					
15	2020	9	14,685	33	445,000					
16	2020	10	11,302	33	342,485					
17	2020	11	9,308	34	273,765					
18	2020	12	11,287	34	331,971					
19	2021	1	10,355	34	304,559					
20	2021	2	9,314	34	273,941					
21	2021	3	10,587	34	311,382					
22	2021	4	10,358	34	304,647					
23	2021	5	9,619	34	282,912					
24	2021	6	11,356	34	334,000	131,728	3,918,510	33,246	34	565,182

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Aug 10 2021

NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUNCCOM6  
COMMERCIAL 6  
NORTH CAROLINA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	12,113	
2	2020	8	11,444	
3	2020	9	14,685	
4	2020	10	11,302	
5	2020	11	9,308	
6	2020	12	11,287	
7	2021	1	10,355	
8	2021	2	9,314	
9	2021	3	10,587	
10	2021	4	10,358	
11	2021	5	9,619	
12	2021	6	11,356	131,728,000

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Aug 10 2021

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	33	33	1	12,113	367,061	367,061	
2	2020	8	33	33	1	11,444	346,788	346,788	
3	2020	9	33	33	1	14,685	445,000	445,000	
4	2020	10	33	33	1	11,302	342,485	342,485	
5	2020	11	33	34	0	9,308	273,765	0	
6	2020	12	33	34	0	11,287	331,971	0	
7	2021	1	34	34	0	10,355	304,559	0	
8	2021	2	34	34	0	9,314	273,941	0	
9	2021	3	34	34	0	10,587	311,382	0	
10	2021	4	34	34	0	10,358	304,647	0	
11	2021	5	34	34	0	9,619	282,912	0	
12	2021	6	34	34	0	11,356	334,000	0	1,501,334
			=====	=====					
				404	4				

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUNCIND5  
INDUSTRIAL 5  
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	2019	7	1,280	24	53,314					
2	2019	8	1,227	25	49,082					
3	2019	9	1,182	25	47,298					
4	2019	10	1,126	24	46,919					
5	2019	11	1,692	25	67,680					
6	2019	12	829	25	33,141					
7	2020	1	1,354	26	52,088					
8	2020	2	1,269	26	48,798					
9	2020	3	1,355	26	52,124					
10	2020	4	1,441	26	55,442					
11	2020	5	1,414	26	54,396					
12	2020	6	1,375	26	52,872	15,544	613,154		26	
13	2020	7	1,549	26	59,561					
14	2020	8	1,411	26	54,279					
15	2020	9	1,444	26	55,533					
16	2020	10	1,387	25	55,487					
17	2020	11	1,249	25	49,948					
18	2020	12	1,506	25	60,236					
19	2021	1	1,651	25	66,054					
20	2021	2	1,432	24	59,658					
21	2021	3	1,536	24	63,984					
22	2021	4	1,528	24	63,669					
23	2021	5	1,404	24	58,518					
24	2021	6	1,401	24	58,395	17,498	705,323	92,169	24	1,106,029

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Aug 10 2021

NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	1,549	1,570	-21			
2	2020	8	1,411	1,501	-90			
3	2020	9	1,444	1,508	-64			
4	2020	10	1,387	1,368	19			
5	2020	11	1,249	1,307	-58			
6	2020	12	1,506	1,533	-27			
7	2021	1	1,651	1,654	-3			
8	2021	2	1,432	1,418	14			
9	2021	3	1,536	1,543	-7			
10	2021	4	1,528	1,555	-27			
11	2021	5	1,404	1,421	-17			
12	2021	6	1,401	1,441	-40	17,498	17,819	-320,786

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	2020	7	26	26	-2	1,549	59,577	-119,154	
2	2020	8	26	26	-2	1,411	54,269	-108,538	
3	2020	9	26	26	-2	1,444	55,538	-111,077	
4	2020	10	25	25	-1	1,387	55,480	-55,480	
5	2020	11	25	25	-1	1,249	49,960	-49,960	
6	2020	12	25	25	-1	1,506	60,240	-60,240	
7	2021	1	25	25	-1	1,651	66,040	-66,040	
8	2021	2	25	24	0	1,432	59,667	0	
9	2021	3	24	24	0	1,536	64,000	0	
10	2021	4	24	24	0	1,528	63,667	0	
11	2021	5	24	24	0	1,404	58,500	0	
12	2021	6	24	24	0	1,401	58,375	0	-570,489
			=====	=====	=====				
			298		-10				

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Aug 10 2021

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 INCL USAG
1	2019	7	43,047	22	1,956,682					
2	2019	8	52,124	21	2,482,095					
3	2019	9	38,082	21	1,813,429					
4	2019	10	47,951	21	2,283,381					
5	2019	11	29,983	21	1,427,762					
6	2019	12	48,303	21	2,300,143					
7	2020	1	43,791	21	2,085,286					
8	2020	2	39,684	21	1,889,714					
9	2020	3	40,589	21	1,932,810					
10	2020	4	42,202	21	2,009,619					
11	2020	5	41,146	21	1,959,333					
12	2020	6	41,588	21	1,980,381	508,490	24,120,634		21	
13	2020	7	55,656	21	2,650,286					
14	2020	8	41,296	21	1,966,476					
15	2020	9	43,690	21	2,080,476					
16	2020	10	41,193	21	1,961,571					
17	2020	11	31,147	21	1,483,190					
18	2020	12	40,451	21	1,926,238					
19	2021	1	41,863	21	1,993,476					
20	2021	2	39,134	21	1,863,524					
21	2021	3	38,949	21	1,854,714					
22	2021	4	43,288	21	2,061,333					
23	2021	5	40,396	21	1,923,619					
24	2021	6	42,434	21	2,020,667	499,497	23,785,571	-335,063	21	-3,518,159

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Aug 10 2021

NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUNCIND6  
INDUSTRIAL 6  
NORTH CAROLINA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	55,656	
2	2020	8	41,296	
3	2020	9	43,690	
4	2020	10	41,193	
5	2020	11	31,147	
6	2020	12	40,451	
7	2021	1	41,863	
8	2021	2	39,134	
9	2021	3	38,949	
10	2021	4	43,288	
11	2021	5	40,396	
12	2021	6	42,434	499,497,000

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Aug 10 2021



Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	21	21	0	55,656	2,650,286	0	
2	2020	8	21	21	0	41,296	1,966,476	0	
3	2020	9	21	21	0	43,690	2,080,476	0	
4	2020	10	21	21	0	41,193	1,961,571	0	
5	2020	11	21	21	0	31,147	1,483,190	0	
6	2020	12	21	21	0	40,451	1,926,238	0	
7	2021	1	21	21	0	41,863	1,993,476	0	
8	2021	2	21	21	0	39,134	1,863,524	0	
9	2021	3	21	21	0	38,949	1,854,714	0	
10	2021	4	21	21	0	43,288	2,061,333	0	
11	2021	5	21	21	0	40,396	1,923,619	0	
12	2021	6	21	21	0	42,434	2,020,667	0	0
				=====	=====				
				252	0				

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 ATTRIBUTABLE TO INCREASE IN USAGE
1	2019	7	14,494	3	4,831,289					
2	2019	8	25,763	3	8,587,700					
3	2019	9	25,984	3	8,661,348					
4	2019	10	24,651	3	8,217,149					
5	2019	11	25,044	3	8,347,950					
6	2019	12	20,069	3	6,689,675					
7	2020	1	20,938	3	6,979,493					
8	2020	2	20,668	3	6,889,268					
9	2020	3	20,456	3	6,818,581					
10	2020	4	19,534	3	6,511,328					
11	2020	5	20,985	3	6,995,052					
12	2020	6	22,139	3	7,379,727	260,726	86,908,559		3	
13	2020	7	24,891	3	8,297,030					
14	2020	8	18,707	3	6,235,736					
15	2020	9	25,940	3	8,646,614					
16	2020	10	20,890	3	6,963,286					
17	2020	11	21,161	3	7,053,754					
18	2020	12	21,162	3	7,053,864					
19	2021	1	18,203	3	6,067,761					
20	2021	2	17,848	3	5,949,494					
21	2021	3	19,930	3	6,643,242					
22	2021	4	21,002	3	7,000,665					
23	2021	5	22,180	3	7,393,492					
24	2021	6	26,365	3	8,788,324	258,280	86,093,261	-815,298	3	-1,222,947

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUNC6VP  
INDUSTRIAL 6VP  
NORTH CAROLINA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	24,891	
2	2020	8	18,707	
3	2020	9	25,940	
4	2020	10	20,890	
5	2020	11	21,161	
6	2020	12	21,162	
7	2021	1	18,203	
8	2021	2	17,848	
9	2021	3	19,930	
10	2021	4	21,002	
11	2021	5	22,180	
12	2021	6	26,365	258,279,782

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	3	3	0	24,891	8,297,030	0	
2	2020	8	3	3	0	18,707	6,235,736	0	
3	2020	9	3	3	0	25,940	8,646,614	0	
4	2020	10	3	3	0	20,890	6,963,286	0	
5	2020	11	3	3	0	21,161	7,053,754	0	
6	2020	12	3	3	0	21,162	7,053,864	0	
7	2021	1	3	3	0	18,203	6,067,761	0	
8	2021	2	3	3	0	17,848	5,949,494	0	
9	2021	3	3	3	0	19,930	6,643,242	0	
10	2021	4	3	3	0	21,002	7,000,665	0	
11	2021	5	3	3	0	22,180	7,393,492	0	
12	2021	6	3	3	0	26,365	8,788,324	0	0
			=====	=====	=====				
				36	0				

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 INCREASE IN USAGE
1	2019	7	64,712	1	64,712,002					
2	2019	8	75,004	1	75,004,256					
3	2019	9	59,083	1	59,083,106					
4	2019	10	69,742	1	69,742,271					
5	2019	11	78,926	1	78,925,537					
6	2019	12	91,350	1	91,349,895					
7	2020	1	87,890	1	87,890,292					
8	2020	2	75,745	1	75,744,667					
9	2020	3	77,891	1	77,891,128					
10	2020	4	66,675	1	66,674,848					
11	2020	5	58,906	1	58,906,379					
12	2020	6	67,601	1	67,601,453	873,526	873,525,834		1	
13	2020	7	66,197	1	66,197,357					
14	2020	8	61,717	1	61,716,782					
15	2020	9	66,625	1	66,625,305					
16	2020	10	61,268	1	61,267,628					
17	2020	11	78,135	1	78,135,484					
18	2020	12	93,138	1	93,138,174					
19	2021	1	76,153	1	76,153,388					
20	2021	2	79,687	1	79,687,121					
21	2021	3	74,458	1	74,457,627					
22	2021	4	78,462	1	78,461,819					
23	2021	5	80,300	1	80,299,794					
24	2021	6	90,235	1	90,234,731	906,375	906,375,210	32,849,376	1	16,424,688

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUNCNUC  
INDUSTRIAL NUCOR  
NORTH CAROLINA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	66,197	
2	2020	8	61,717	
3	2020	9	66,625	
4	2020	10	61,268	
5	2020	11	78,135	
6	2020	12	93,138	
7	2021	1	76,153	
8	2021	2	79,687	
9	2021	3	74,458	
10	2021	4	78,462	
11	2021	5	80,300	
12	2021	6	90,235	906,375,210

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	1	1	0	66,197	66,197,357	0	
2	2020	8	1	1	0	61,717	61,716,782	0	
3	2020	9	1	1	0	66,625	66,625,305	0	
4	2020	10	1	1	0	61,268	61,267,628	0	
5	2020	11	1	1	0	78,135	78,135,484	0	
6	2020	12	1	1	0	93,138	93,138,174	0	
7	2021	1	1	1	0	76,153	76,153,388	0	
8	2021	2	1	1	0	79,687	79,687,121	0	
9	2021	3	1	1	0	74,458	74,457,627	0	
10	2021	4	1	1	0	78,462	78,461,819	0	
11	2021	5	1	1	0	80,300	80,299,794	0	
12	2021	6	1	1	0	90,235	90,234,731	0	0
			=====	=====					
				12	0				

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUNTRF  
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 ATTRIBUTABLE TO INCREASE IN USAGE
1	2019	7	39	193	202					
2	2019	8	41	193	212					
3	2019	9	41	193	212					
4	2019	10	38	193	197					
5	2019	11	36	193	187					
6	2019	12	36	193	187					
7	2020	1	38	192	198					
8	2020	2	36	192	188					
9	2020	3	35	192	182					
10	2020	4	32	192	167					
11	2020	5	32	192	167					
12	2020	6	31	192	161	435	2,259		192	
13	2020	7	33	192	172					
14	2020	8	38	192	198					
15	2020	9	37	192	193					
16	2020	10	36	192	188					
17	2020	11	31	192	161					
18	2020	12	32	192	167					
19	2021	1	36	192	188					
20	2021	2	35	192	182					
21	2021	3	38	192	198					
22	2021	4	34	192	177					
23	2021	5	30	193	155					
24	2021	6	32	193	166	412	2,144	-115	193	-11,120

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUNTRF  
TRAFFIC LIGHTS  
NORTH CAROLINA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	33	
2	2020	8	38	
3	2020	9	37	
4	2020	10	36	
5	2020	11	31	
6	2020	12	32	
7	2021	1	36	
8	2021	2	35	
9	2021	3	38	
10	2021	4	34	
11	2021	5	30	
12	2021	6	32	412,000

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	192	192	1	33	172	172	
2	2020	8	192	192	1	38	198	198	
3	2020	9	192	192	1	37	193	193	
4	2020	10	192	192	1	36	188	188	
5	2020	11	192	192	1	31	161	161	
6	2020	12	192	192	1	32	167	167	
7	2021	1	192	192	1	36	188	188	
8	2021	2	192	192	1	35	182	182	
9	2021	3	192	192	1	38	198	198	
10	2021	4	192	192	1	34	177	177	
11	2021	5	193	193	0	30	155	0	
12	2021	6	193	193	0	32	166	0	1,824
				=====	=====				
				2,306	10				

NORTH CAROLINA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 USAG
1	2019	7	642	251	2,558					
2	2019	8	727	251	2,896					
3	2019	9	627	251	2,498					
4	2019	10	687	251	2,737					
5	2019	11	637	250	2,548					
6	2019	12	639	251	2,546					
7	2020	1	644	251	2,566					
8	2020	2	636	251	2,534					
9	2020	3	642	251	2,558					
10	2020	4	636	250	2,544					
11	2020	5	637	251	2,538					
12	2020	6	642	252	2,548	7,796	31,070		251	
13	2020	7	638	251	2,542					
14	2020	8	597	251	2,378					
15	2020	9	598	251	2,382					
16	2020	10	598	251	2,382					
17	2020	11	594	251	2,367					
18	2020	12	590	252	2,341					
19	2021	1	590	254	2,323					
20	2021	2	93	254	366					
21	2021	3	1,113	254	4,382					
22	2021	4	450	255	1,765					
23	2021	5	559	251	2,227					
24	2021	6	735	252	2,917	7,155	28,372	-2,698	253	-341,234

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NORTH CAROLINA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUNCST  
STREET LIGHTS  
NORTH CAROLINA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	638	
2	2020	8	597	
3	2020	9	598	
4	2020	10	598	
5	2020	11	594	
6	2020	12	590	
7	2021	1	590	
8	2021	2	93	
9	2021	3	1,113	
10	2021	4	450	
11	2021	5	559	
12	2021	6	735	7,155,000

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	251	251	2	638	2,542	5,084	
2	2020	8	252	251	2	597	2,378	4,757	
3	2020	9	252	251	2	598	2,382	4,765	
4	2020	10	252	251	2	598	2,382	4,765	
5	2020	11	252	251	2	594	2,367	4,733	
6	2020	12	252	252	1	590	2,341	2,341	
7	2021	1	252	254	-1	590	2,323	-2,323	
8	2021	2	253	254	-1	93	366	-366	
9	2021	3	253	254	-1	1,113	4,382	-4,382	
10	2021	4	253	255	-2	450	1,765	-3,529	
11	2021	5	253	251	2	559	2,227	4,454	
12	2021	6	253	252	1	735	2,917	2,917	23,216
				=====	=====				
				3,027	9				

VIRGINIA POWER  
SUMMARY OF KWH ATTRIBUTABLE TO  
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH  
12 MONTHS ENDED JUNE 30, 2021  
VIRGINIA JURISDICTIONAL

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	VA RESIDENTIAL	331,971,120	50,327,409	167,980,130	550,278,659
2	VA SCHEDULE 7	-125,688	118,886	-144,428	-151,230
3	VA OUTDOOR LIGHTING	-1,282,346	0	222,928	-1,059,418
4	VA CHURCHES	-11,474,064	-4,411,729	-58,367	-15,944,160
5	VA COMMERCIAL	-164,193,974	-233,117,334	158,439,837	-238,871,471
6	VA INDUSTRIAL	-22,873,541	0	-12,461,725	-35,335,266
7	VA INDUSTRIAL 56-235.2	0	0	0	0
		=====	=====	=====	=====
		132,021,508	-187,082,768	313,978,375	258,917,115

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUVARES  
RESIDENTIAL  
VIRGINIA JURISDICTIONAL

Obs	Year	Month	WEATHER NORMALIZED		MONTHLY AVERAGE	TOTAL	TOTAL AVERAGE	CHANGE IN AVERAGE	PREDICTED END OF PERIOD	KWH ATTRIBUTED TO INC. USAGE
			MWH	CUSTOMERS	KWH	MWH	KWH PER YEAR	KWH PER YEAR	CUSTOMERS	
1	2019	7	2,817,735	2,245,319	1,255					
2	2019	8	2,857,485	2,247,587	1,271					
3	2019	9	2,344,553	2,249,643	1,042					
4	2019	10	1,840,834	2,252,066	817					
5	2019	11	1,639,241	2,254,701	727					
6	2019	12	2,447,970	2,258,457	1,084					
7	2020	1	3,304,952	2,261,376	1,461					
8	2020	2	2,891,140	2,263,237	1,277					
9	2020	3	2,654,187	2,266,174	1,171					
10	2020	4	2,138,300	2,268,560	943					
11	2020	5	1,633,966	2,271,744	719					
12	2020	6	2,239,666	2,275,467	984	28,810,028	12,753		2,274,382	
13	2020	7	2,929,847	2,278,276	1,286					
14	2020	8	2,851,360	2,280,793	1,250					
15	2020	9	2,489,231	2,283,488	1,090					
16	2020	10	1,953,331	2,285,434	855					
17	2020	11	1,835,297	2,288,147	802					
18	2020	12	2,756,611	2,290,482	1,204					
19	2021	1	3,074,417	2,292,805	1,341					
20	2021	2	2,956,706	2,295,105	1,288					
21	2021	3	3,010,585	2,297,501	1,310					
22	2021	4	2,218,631	2,300,131	965					
23	2021	5	1,621,037	2,302,715	704					
24	2021	6	2,182,001	2,305,044	947	29,879,055	13,041	288	2,304,003	331,971,120

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	2,929,847	3,044,179	-114,332			
2	2020	8	2,851,360	3,201,715	-350,355			
3	2020	9	2,489,231	2,689,390	-200,159			
4	2020	10	1,953,331	1,802,125	151,206			
5	2020	11	1,835,297	1,590,448	244,849			
6	2020	12	2,756,611	2,525,982	230,629			
7	2021	1	3,074,417	3,005,787	68,630			
8	2021	2	2,956,706	3,062,017	-105,311			
9	2021	3	3,010,585	2,974,676	35,909			
10	2021	4	2,218,631	1,961,251	257,380			
11	2021	5	1,621,037	1,654,225	-33,188			
12	2021	6	2,182,001	2,316,933	-134,932	29,879,055	29,828,728	50,327,409



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	2020	7	2,277,224	2,278,276	25,727	2,929,847	1,286	33,084,742	
2	2020	8	2,280,062	2,280,793	23,210	2,851,360	1,250	29,016,260	
3	2020	9	2,282,880	2,283,488	20,515	2,489,231	1,090	22,363,402	
4	2020	10	2,285,661	2,285,434	18,569	1,953,331	855	15,870,683	
5	2020	11	2,288,387	2,288,147	15,856	1,835,297	802	12,717,923	
6	2020	12	2,291,036	2,290,482	13,521	2,756,611	1,204	16,272,618	
7	2021	1	2,293,588	2,292,805	11,198	3,074,417	1,341	15,015,376	
8	2021	2	2,296,018	2,295,105	8,898	2,956,706	1,288	11,462,991	
9	2021	3	2,298,302	2,297,501	6,502	3,010,585	1,310	8,520,052	
10	2021	4	2,300,413	2,300,131	3,872	2,218,631	965	3,734,803	
11	2021	5	2,302,323	2,302,715	1,288	1,621,037	704	906,711	
12	2021	6	2,304,003	2,305,044	-1,041	2,182,001	947	-985,431	167,980,130
			=====	=====	=====				
				27499921	148,115				

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUVAOTH  
SCHEDULE 7  
VIRGINIA 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	2019	7	606	363	1,669					
2	2019	8	652	362	1,801					
3	2019	9	507	361	1,404					
4	2019	10	380	358	1,062					
5	2019	11	419	359	1,168					
6	2019	12	716	358	2,000					
7	2020	1	1,031	357	2,889					
8	2020	2	1,009	357	2,827					
9	2020	3	850	355	2,394					
10	2020	4	473	353	1,341					
11	2020	5	245	352	696					
12	2020	6	313	350	895	7,202	20,145		350	
13	2020	7	482	350	1,377					
14	2020	8	477	349	1,368					
15	2020	9	434	347	1,252					
16	2020	10	358	345	1,036					
17	2020	11	404	345	1,170					
18	2020	12	662	343	1,929					
19	2021	1	915	343	2,668					
20	2021	2	903	343	2,631					
21	2021	3	821	342	2,401					
22	2021	4	543	339	1,602					
23	2021	5	306	338	907					
24	2021	6	357	338	1,057	6,662	19,397	-748	336	-125,688

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	482	517	-35			
2	2020	8	477	585	-108			
3	2020	9	434	497	-63			
4	2020	10	358	308	50			
5	2020	11	404	292	112			
6	2020	12	662	562	100			
7	2021	1	915	886	29			
8	2021	2	903	948	-45			
9	2021	3	821	805	16			
10	2021	4	543	432	111			
11	2021	5	306	313	-7			
12	2021	6	357	398	-41	6,662	6,543	118,886

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	2020	7	349	350	-14	482	1,377	-19,280	
2	2020	8	349	349	-13	477	1,367	-17,768	
3	2020	9	348	347	-11	434	1,251	-13,758	
4	2020	10	347	345	-9	358	1,038	-9,339	
5	2020	11	346	345	-9	404	1,171	-10,539	
6	2020	12	345	343	-7	662	1,930	-13,510	
7	2021	1	344	343	-7	915	2,668	-18,673	
8	2021	2	343	343	-7	903	2,633	-18,429	
9	2021	3	342	342	-6	821	2,401	-14,404	
10	2021	4	340	339	-3	543	1,602	-4,805	
11	2021	5	338	338	-2	306	905	-1,811	
12	2021	6	336	338	-2	357	1,056	-2,112	-144,428
			=====	=====	=====				
				4,122	-90				

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 INCREASE IN USAGE
1	2019	7	7,765	54,854	142					
2	2019	8	7,828	54,861	143					
3	2019	9	7,237	54,867	132					
4	2019	10	7,767	54,794	142					
5	2019	11	6,895	54,840	126					
6	2019	12	7,515	54,854	137					
7	2020	1	7,784	54,918	142					
8	2020	2	7,076	54,937	129					
9	2020	3	7,802	54,935	142					
10	2020	4	7,464	54,977	136					
11	2020	5	7,100	55,100	129					
12	2020	6	7,755	55,147	141	89,988	1,638		55,066	
13	2020	7	7,703	55,175	140					
14	2020	8	7,441	55,178	135					
15	2020	9	7,417	55,203	134					
16	2020	10	7,396	55,243	134					
17	2020	11	6,774	55,265	123					
18	2020	12	7,646	55,340	138					
19	2021	1	6,722	55,389	121					
20	2021	2	7,079	55,425	128					
21	2021	3	8,120	55,454	146					
22	2021	4	7,308	55,503	132					
23	2021	5	6,915	55,555	124					
24	2021	6	7,618	55,553	137	88,139	1,592	-46	55,496	-1,282,346

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VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUVALTS  
OUTDOOR LIGHTING  
VIRGINIA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	7,703	
2	2020	8	7,441	
3	2020	9	7,417	
4	2020	10	7,396	
5	2020	11	6,774	
6	2020	12	7,646	
7	2021	1	6,722	
8	2021	2	7,079	
9	2021	3	8,120	
10	2021	4	7,308	
11	2021	5	6,915	
12	2021	6	7,618	88,139,000

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	55,121	55,175	321	7,703	140	44,815	
2	2020	8	55,177	55,178	318	7,441	135	42,884	
3	2020	9	55,233	55,203	293	7,417	134	39,367	
4	2020	10	55,288	55,243	253	7,396	134	33,872	
5	2020	11	55,340	55,265	231	6,774	123	28,314	
6	2020	12	55,388	55,340	156	7,646	138	21,554	
7	2021	1	55,430	55,389	107	6,722	121	12,986	
8	2021	2	55,465	55,425	71	7,079	128	9,068	
9	2021	3	55,490	55,454	42	8,120	146	6,150	
10	2021	4	55,505	55,503	-7	7,308	132	-922	
11	2021	5	55,508	55,555	-59	6,915	124	-7,344	
12	2021	6	55,496	55,553	-57	7,618	137	-7,816	222,928
			=====	=====					
				664,283	1,669				

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUVACH  
CHURCHES  
VIRGINIA 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	2019	7	23,563	3,035	7,764					
2	2019	8	24,204	3,034	7,978					
3	2019	9	20,369	3,034	6,714					
4	2019	10	16,008	3,035	5,274					
5	2019	11	12,916	3,031	4,261					
6	2019	12	18,165	3,031	5,993					
7	2020	1	22,611	3,031	7,460					
8	2020	2	20,040	3,031	6,612					
9	2020	3	18,553	3,028	6,127					
10	2020	4	12,770	3,027	4,219					
11	2020	5	9,676	3,029	3,195					
12	2020	6	12,557	3,031	4,143	211,433	69,739		3,028	
13	2020	7	18,531	3,031	6,114					
14	2020	8	18,533	3,028	6,121					
15	2020	9	16,572	3,026	5,476					
16	2020	10	13,816	3,024	4,569					
17	2020	11	11,284	3,021	3,735					
18	2020	12	16,215	3,023	5,364					
19	2021	1	18,206	3,023	6,022					
20	2021	2	17,224	3,021	5,702					
21	2021	3	18,755	3,020	6,210					
22	2021	4	14,027	3,022	4,642					
23	2021	5	10,463	3,023	3,461					
24	2021	6	14,304	3,023	4,732	187,930	62,148	-7,591	3,023	-11,474,064

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VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	18,531	19,886	-1,355			
2	2020	8	18,533	22,670	-4,137			
3	2020	9	16,572	18,854	-2,282			
4	2020	10	13,816	12,210	1,606			
5	2020	11	11,284	10,153	1,131			
6	2020	12	16,215	14,921	1,294			
7	2021	1	18,206	17,792	414			
8	2021	2	17,224	17,822	-598			
9	2021	3	18,755	18,580	175			
10	2021	4	14,027	12,624	1,403			
11	2021	5	10,463	10,999	-536			
12	2021	6	14,304	15,831	-1,527	187,930	192,342	-4,411,729

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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	2020	7	3,027	3,031	-8	18,531	6,114	-48,911	
2	2020	8	3,026	3,028	-5	18,533	6,121	-30,603	
3	2020	9	3,025	3,026	-3	16,572	5,477	-16,430	
4	2020	10	3,024	3,024	-1	13,816	4,569	-4,569	
5	2020	11	3,024	3,021	2	11,284	3,735	7,470	
6	2020	12	3,023	3,023	0	16,215	5,364	0	
7	2021	1	3,022	3,023	0	18,206	6,022	0	
8	2021	2	3,022	3,021	2	17,224	5,701	11,403	
9	2021	3	3,022	3,020	3	18,755	6,210	18,631	
10	2021	4	3,022	3,022	1	14,027	4,642	4,642	
11	2021	5	3,022	3,023	0	10,463	3,461	0	
12	2021	6	3,023	3,023	0	14,304	4,732	0	-58,367
			=====	=====	=====				
			36,285		-9				

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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	2019	7	2,852,043	224,888	12,682					
2	2019	8	2,963,018	224,965	13,171					
3	2019	9	2,543,775	225,185	11,296					
4	2019	10	2,788,160	225,102	12,386					
5	2019	11	2,331,320	225,369	10,344					
6	2019	12	2,808,322	225,488	12,454					
7	2020	1	2,868,632	225,431	12,725					
8	2020	2	2,610,374	225,463	11,578					
9	2020	3	2,564,272	225,406	11,376					
10	2020	4	2,211,183	225,311	9,814					
11	2020	5	2,044,612	225,519	9,066					
12	2020	6	2,438,029	225,762	10,799	31,023,740	137,693		225,883	
13	2020	7	2,707,158	226,032	11,977					
14	2020	8	2,637,364	226,205	11,659					
15	2020	9	2,670,471	226,300	11,801					
16	2020	10	2,501,407	226,336	11,052					
17	2020	11	2,197,801	226,560	9,701					
18	2020	12	2,658,586	226,755	11,724					
19	2021	1	2,531,313	226,827	11,160					
20	2021	2	2,414,076	227,057	10,632					
21	2021	3	2,889,523	227,258	12,715					
22	2021	4	2,551,908	227,353	11,224					
23	2021	5	2,365,163	227,640	10,390					
24	2021	6	2,785,019	227,936	12,218	30,909,790	136,253	-1,440	228,019	-164,193,974

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	2,707,158	2,755,720	-48,562			
2	2020	8	2,637,364	2,785,318	-147,954			
3	2020	9	2,670,471	2,750,747	-80,276			
4	2020	10	2,501,407	2,446,871	54,536			
5	2020	11	2,197,801	2,183,885	13,916			
6	2020	12	2,658,586	2,634,134	24,452			
7	2021	1	2,531,313	2,522,629	8,685			
8	2021	2	2,414,076	2,425,453	-11,377			
9	2021	3	2,889,523	2,887,125	2,397			
10	2021	4	2,551,908	2,527,394	24,514			
11	2021	5	2,365,163	2,386,153	-20,990			
12	2021	6	2,785,019	2,837,478	-52,459	30,909,790	31,142,907	-233,117,334

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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	2020	7	225,976	226,032	1,987	2,707,158	11,977	23,798,059	
2	2020	8	226,077	226,205	1,814	2,637,364	11,659	21,149,745	
3	2020	9	226,187	226,300	1,719	2,670,471	11,801	20,285,195	
4	2020	10	226,309	226,336	1,683	2,501,407	11,052	18,600,082	
5	2020	11	226,446	226,560	1,459	2,197,801	9,701	14,153,388	
6	2020	12	226,600	226,755	1,264	2,658,586	11,724	14,819,752	
7	2021	1	226,773	226,827	1,192	2,531,313	11,160	13,302,319	
8	2021	2	226,968	227,057	962	2,414,076	10,632	10,228,009	
9	2021	3	227,187	227,258	761	2,889,523	12,715	9,675,906	
10	2021	4	227,433	227,353	666	2,551,908	11,224	7,475,471	
11	2021	5	227,710	227,640	379	2,365,163	10,390	3,937,782	
12	2021	6	228,019	227,936	83	2,785,019	12,218	1,014,129	158,439,837
			=====	=====	=====				
				2,722,259	13,969				

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VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUVAIND  
INDUSTRIAL  
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 INCREASE IN USAGE
1	2019	7	547,072	580	943,227					
2	2019	8	538,104	579	929,368					
3	2019	9	528,236	575	918,671					
4	2019	10	522,001	571	914,187					
5	2019	11	409,130	569	719,033					
6	2019	12	487,626	570	855,484					
7	2020	1	488,802	564	866,671					
8	2020	2	439,096	565	777,161					
9	2020	3	472,790	560	844,268					
10	2020	4	440,335	555	793,396					
11	2020	5	424,128	552	768,349					
12	2020	6	449,583	550	817,423	5,746,903	10,147,238		553	
13	2020	7	493,609	548	900,746					
14	2020	8	470,238	546	861,242					
15	2020	9	489,493	546	896,508					
16	2020	10	440,228	548	803,336					
17	2020	11	416,008	547	760,527					
18	2020	12	462,574	549	842,575					
19	2021	1	488,285	547	892,661					
20	2021	2	448,224	550	814,953					
21	2021	3	418,168	544	768,691					
22	2021	4	461,536	543	849,974					
23	2021	5	422,409	545	775,063					
24	2021	6	486,187	542	897,024	5,496,959	10,063,298	-83,940	545	-22,873,541

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VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUVAIND  
INDUSTRIAL  
VIRGINIA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	493,609	
2	2020	8	470,238	
3	2020	9	489,493	
4	2020	10	440,228	
5	2020	11	416,008	
6	2020	12	462,574	
7	2021	1	488,285	
8	2021	2	448,224	
9	2021	3	418,168	
10	2021	4	461,536	
11	2021	5	422,409	
12	2021	6	486,187	5,496,959,400

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	551	548	-3	493,609	900,746	-2,702,237	
2	2020	8	550	546	-1	470,238	861,242	-861,242	
3	2020	9	548	546	-1	489,493	896,508	-896,508	
4	2020	10	547	548	-3	440,228	803,336	-2,410,007	
5	2020	11	546	547	-2	416,008	760,527	-1,521,055	
6	2020	12	545	549	-4	462,574	842,575	-3,370,301	
7	2021	1	545	547	-2	488,285	892,661	-1,785,322	
8	2021	2	544	550	-5	448,224	814,953	-4,074,763	
9	2021	3	544	544	1	418,168	768,691	768,691	
10	2021	4	544	543	2	461,536	849,974	1,699,948	
11	2021	5	545	545	0	422,409	775,063	0	
12	2021	6	545	542	3	486,187	897,024	2,691,071	-12,461,725
			=====	=====					
				6,555	-15				



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 INCL USAG
1	2019	7	0	0						
2	2019	8	0	0						
3	2019	9	0	0						
4	2019	10	0	0						
5	2019	11	0	0						
6	2019	12	0	0						
7	2020	1	0	0						
8	2020	2	0	0						
9	2020	3	0	0						
10	2020	4	0	0						
11	2020	5	0	0						
12	2020	6	0	0		0			0	
13	2020	7	0	0						
14	2020	8	0	0						
15	2020	9	0	0						
16	2020	10	0	0						
17	2020	11	0	0						
18	2020	12	0	0						
19	2021	1	0	0						
20	2021	2	0	0						
21	2021	3	0	0						
22	2021	4	0	0						
23	2021	5	0	0						
24	2021	6	0	0		0		0	0	0

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VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUVACHP  
INDUSTRIAL 56-235.2  
VIRGINIA JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	0	
2	2020	8	0	
3	2020	9	0	
4	2020	10	0	
5	2020	11	0	
6	2020	12	0	
7	2021	1	0	
8	2021	2	0	
9	2021	3	0	
10	2021	4	0	
11	2021	5	0	
12	2021	6	0	0

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	0	0	0	0			
2	2020	8	0	0	0	0			
3	2020	9	0	0	0	0			
4	2020	10	0	0	0	0			
5	2020	11	0	0	0	0			
6	2020	12	0	0	0	0			
7	2021	1	0	0	0	0			
8	2021	2	0	0	0	0			
9	2021	3	0	0	0	0			
10	2021	4	0	0	0	0			
11	2021	5	0	0	0	0			
12	2021	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, 2021  
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	-1,300,397	-10,164,055	4,781,703	-6,682,749
2	MUNICIPAL MISCELLANEOUS LIGHT & POWER	-50,060,743	-44,292,912	-9,733,620	-104,087,275
3	STREET LIGHTS	-9,118,786	0	6,670,950	-2,447,836
4	TRAFFIC LIGHTS	-32,256	0	157,067	124,811
		=====	=====	=====	=====
		-60,512,182	-54,456,967	1,876,100	-113,093,049

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VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUCOLP  
MISCELLANEOUS, LIGHT AND POWER  
COUNTY - NON-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	2019	7	52,619	4,022	13,083					
2	2019	8	70,262	4,022	17,469					
3	2019	9	54,551	4,033	13,526					
4	2019	10	58,750	4,043	14,531					
5	2019	11	50,346	4,145	12,146					
6	2019	12	59,798	4,176	14,319					
7	2020	1	64,043	4,180	15,321					
8	2020	2	60,529	4,179	14,484					
9	2020	3	60,242	4,167	14,457					
10	2020	4	49,293	4,173	11,812					
11	2020	5	40,254	4,166	9,663					
12	2020	6	43,393	4,168	10,411	664,080	161,223		4,177	
13	2020	7	53,312	4,171	12,781					
14	2020	8	51,594	4,183	12,334					
15	2020	9	56,581	4,191	13,501					
16	2020	10	57,596	4,189	13,749					
17	2020	11	47,011	4,191	11,217					
18	2020	12	58,734	4,202	13,978					
19	2021	1	58,918	4,207	14,005					
20	2021	2	58,988	4,216	13,991					
21	2021	3	67,334	4,214	15,979					
22	2021	4	56,572	4,218	13,412					
23	2021	5	49,655	4,230	11,739					
24	2021	6	59,104	4,245	13,923	675,399	160,609	-614	4,235	-1,300,397

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VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	53,312	55,746	-2,434			
2	2020	8	51,594	59,070	-7,476			
3	2020	9	56,581	60,691	-4,110			
4	2020	10	57,596	54,750	2,846			
5	2020	11	47,011	45,708	1,303			
6	2020	12	58,734	56,984	1,750			
7	2021	1	58,918	58,330	588			
8	2021	2	58,988	59,809	-821			
9	2021	3	67,334	67,120	214			
10	2021	4	56,572	54,689	1,883			
11	2021	5	49,655	50,721	-1,066			
12	2021	6	59,104	61,945	-2,841	675,399	685,563	-10,164,055

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	2020	7	4,184	4,171	64	53,312	12,782	818,022	
2	2020	8	4,189	4,183	52	51,594	12,334	641,379	
3	2020	9	4,194	4,191	44	56,581	13,501	594,026	
4	2020	10	4,199	4,189	46	57,596	13,749	632,470	
5	2020	11	4,203	4,191	44	47,011	11,217	493,554	
6	2020	12	4,206	4,202	33	58,734	13,978	461,262	
7	2021	1	4,210	4,207	28	58,918	14,005	392,133	
8	2021	2	4,213	4,216	19	58,988	13,991	265,838	
9	2021	3	4,217	4,214	21	67,334	15,979	335,552	
10	2021	4	4,222	4,218	17	56,572	13,412	228,005	
11	2021	5	4,227	4,230	5	49,655	11,739	58,694	
12	2021	6	4,235	4,245	-10	59,104	13,923	-139,232	4,781,703
			=====	=====	=====				
				50,457	363				

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VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUMUNLP  
MISCELLANEOUS, LIGHT AND POWER  
MUNICIPAL - NON-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	2019	7	307,992	17,302	17,801					
2	2019	8	356,981	17,304	20,630					
3	2019	9	303,123	17,323	17,498					
4	2019	10	295,821	17,312	17,088					
5	2019	11	271,566	17,188	15,800					
6	2019	12	307,156	17,129	17,932					
7	2020	1	330,147	17,056	19,357					
8	2020	2	293,111	17,031	17,210					
9	2020	3	300,031	17,031	17,617					
10	2020	4	251,944	16,996	14,824					
11	2020	5	224,204	17,014	13,178					
12	2020	6	255,583	17,015	15,021	3,497,660	203,955		16,978	
13	2020	7	287,982	17,004	16,936					
14	2020	8	284,313	16,917	16,806					
15	2020	9	289,330	16,901	17,119					
16	2020	10	283,558	16,899	16,780					
17	2020	11	241,682	16,921	14,283					
18	2020	12	293,317	16,928	17,327					
19	2021	1	282,633	16,893	16,731					
20	2021	2	271,688	16,878	16,097					
21	2021	3	304,576	16,871	18,053					
22	2021	4	270,395	16,877	16,022					
23	2021	5	244,342	16,853	14,498					
24	2021	6	292,435	16,845	17,360	3,346,250	198,013	-5,942	16,850	-50,060,743

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Aug 10 2021



VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	287,982	297,638	-9,656			
2	2020	8	284,313	313,681	-29,368			
3	2020	9	289,330	305,339	-16,009			
4	2020	10	283,558	272,590	10,968			
5	2020	11	241,682	238,159	3,523			
6	2020	12	293,317	287,785	5,532			
7	2021	1	282,633	280,709	1,924			
8	2021	2	271,688	274,274	-2,586			
9	2021	3	304,576	303,978	598			
10	2021	4	270,395	264,651	5,744			
11	2021	5	244,342	248,553	-4,211			
12	2021	6	292,435	303,186	-10,751	3,346,250	3,390,543	-44,292,912

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Aug 10 2021

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	2020	7	16,958	17,004	-154	287,982	16,936	-2,608,164	
2	2020	8	16,941	16,917	-67	284,313	16,806	-1,126,025	
3	2020	9	16,927	16,901	-51	289,330	17,119	-873,074	
4	2020	10	16,915	16,899	-49	283,558	16,780	-822,199	
5	2020	11	16,905	16,921	-71	241,682	14,283	-1,014,090	
6	2020	12	16,896	16,928	-78	293,317	17,327	-1,351,532	
7	2021	1	16,889	16,893	-43	282,633	16,731	-719,423	
8	2021	2	16,882	16,878	-28	271,688	16,097	-450,721	
9	2021	3	16,876	16,871	-21	304,576	18,053	-379,118	
10	2021	4	16,869	16,877	-27	270,395	16,022	-432,581	
11	2021	5	16,861	16,853	-3	244,342	14,498	-43,495	
12	2021	6	16,850	16,845	5	292,435	17,360	86,802	-9,733,620
			=====	=====	=====				
				202,787	-587				

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 INCREASE IN USAGE
1	2019	7	19,957	1,398	14,275					
2	2019	8	19,834	1,400	14,167					
3	2019	9	19,754	1,399	14,120					
4	2019	10	17,886	1,402	12,757					
5	2019	11	19,599	1,409	13,910					
6	2019	12	20,356	1,412	14,416					
7	2020	1	19,665	1,411	13,937					
8	2020	2	19,971	1,415	14,114					
9	2020	3	23,579	1,428	16,512					
10	2020	4	19,368	1,429	13,554					
11	2020	5	19,253	1,431	13,454					
12	2020	6	19,481	1,431	13,614	238,703	168,830		1,436	
13	2020	7	19,169	1,432	13,386					
14	2020	8	19,100	1,433	13,329					
15	2020	9	19,233	1,436	13,393					
16	2020	10	19,311	1,437	13,438					
17	2020	11	19,227	1,442	13,334					
18	2020	12	17,454	1,447	12,062					
19	2021	1	20,764	1,449	14,330					
20	2021	2	1,634	1,450	1,127					
21	2021	3	36,242	1,462	24,789					
22	2021	4	18,520	1,467	12,624					
23	2021	5	18,180	1,473	12,342					
24	2021	6	18,490	1,483	12,468	227,324	156,623	-12,207	1,494	-9,118,786

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUCOMUST  
STREET LIGHTS  
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	19,169	
2	2020	8	19,100	
3	2020	9	19,233	
4	2020	10	19,311	
5	2020	11	19,227	
6	2020	12	17,454	
7	2021	1	20,764	
8	2021	2	1,634	
9	2021	3	36,242	
10	2021	4	18,520	
11	2021	5	18,180	
12	2021	6	18,490	227,324,000

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	1,436	1,432	62	19,169	13,386	829,943	
2	2020	8	1,436	1,433	61	19,100	13,329	813,050	
3	2020	9	1,436	1,436	58	19,233	13,393	776,820	
4	2020	10	1,436	1,437	57	19,311	13,438	765,990	
5	2020	11	1,437	1,442	52	19,227	13,334	693,345	
6	2020	12	1,438	1,447	47	17,454	12,062	566,923	
7	2021	1	1,442	1,449	45	20,764	14,330	644,845	
8	2021	2	1,447	1,450	44	1,634	1,127	49,583	
9	2021	3	1,454	1,462	32	36,242	24,789	793,259	
10	2021	4	1,464	1,467	27	18,520	12,624	340,859	
11	2021	5	1,477	1,473	21	18,180	12,342	259,185	
12	2021	6	1,494	1,483	11	18,490	12,468	137,148	6,670,950
				=====	=====				
				17,411	517				

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 USAG
1	2019	7	1,328	1,204	1,103					
2	2019	8	1,305	1,206	1,082					
3	2019	9	1,301	1,205	1,080					
4	2019	10	1,316	1,207	1,090					
5	2019	11	1,306	1,215	1,075					
6	2019	12	1,348	1,216	1,109					
7	2020	1	1,394	1,218	1,144					
8	2020	2	1,305	1,226	1,064					
9	2020	3	1,337	1,227	1,090					
10	2020	4	1,307	1,226	1,066					
11	2020	5	1,309	1,226	1,068					
12	2020	6	1,284	1,228	1,046	15,840	13,016		1,228	
13	2020	7	1,328	1,226	1,083					
14	2020	8	1,398	1,232	1,135					
15	2020	9	1,320	1,233	1,071					
16	2020	10	1,325	1,234	1,074					
17	2020	11	1,281	1,234	1,038					
18	2020	12	1,383	1,235	1,120					
19	2021	1	1,330	1,238	1,074					
20	2021	2	445	1,238	359					
21	2021	3	2,271	1,240	1,831					
22	2021	4	1,331	1,245	1,069					
23	2021	5	1,291	1,248	1,034					
24	2021	6	1,346	1,251	1,076	16,049	12,965	-52	1,250	-32,256

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUCOMUTR  
TRAFFIC LIGHTS  
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	1,328	
2	2020	8	1,398	
3	2020	9	1,320	
4	2020	10	1,325	
5	2020	11	1,281	
6	2020	12	1,383	
7	2021	1	1,330	
8	2021	2	445	
9	2021	3	2,271	
10	2021	4	1,331	
11	2021	5	1,291	
12	2021	6	1,346	16,049,000

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Aug 10 2021

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	1,229	1,226	24	1,328	1,083	25,997	
2	2020	8	1,231	1,232	18	1,398	1,135	20,425	
3	2020	9	1,232	1,233	17	1,320	1,071	18,200	
4	2020	10	1,233	1,234	16	1,325	1,074	17,180	
5	2020	11	1,235	1,234	16	1,281	1,038	16,609	
6	2020	12	1,237	1,235	15	1,383	1,120	16,798	
7	2021	1	1,238	1,238	12	1,330	1,074	12,892	
8	2021	2	1,240	1,238	12	445	359	4,313	
9	2021	3	1,242	1,240	10	2,271	1,831	18,315	
10	2021	4	1,244	1,245	5	1,331	1,069	5,345	
11	2021	5	1,247	1,248	2	1,291	1,034	2,069	
12	2021	6	1,250	1,251	-1	1,346	1,076	-1,076	157,067
				=====	=====				
				14,854	146				



VIRGINIA POWER  
SUMMARY OF KWH ATTRIBUTABLE TO  
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH  
12 MONTHS ENDED JUNE 30, 2021  
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	-71,612,296	-18,856,099	10,593,802	-79,874,593
2	STREET LIGHTS	-42,340,367	0	88,262,618	45,922,251
3	TRAFFIC LIGHTS	-374,155	0	185,366	-188,789
		=====	=====	=====	=====
		-114,326,818	-18,856,099	99,041,786	-34,141,131

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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	2019	7	198,241	5,252	37,746					
2	2019	8	232,662	5,238	44,418					
3	2019	9	186,560	5,256	35,495					
4	2019	10	203,488	5,251	38,752					
5	2019	11	168,913	5,233	32,279					
6	2019	12	191,294	5,235	36,541					
7	2020	1	190,487	5,229	36,429					
8	2020	2	181,305	5,232	34,653					
9	2020	3	180,554	5,237	34,477					
10	2020	4	162,715	5,240	31,053					
11	2020	5	141,755	5,244	27,032					
12	2020	6	163,194	5,292	30,838	2,201,170	419,712		5,246	
13	2020	7	181,735	5,286	34,381					
14	2020	8	202,125	5,258	38,441					
15	2020	9	214,431	5,257	40,790					
16	2020	10	181,315	5,261	34,464					
17	2020	11	142,705	5,256	27,151					
18	2020	12	174,474	5,258	33,183					
19	2021	1	154,680	5,266	29,373					
20	2021	2	151,584	5,272	28,753					
21	2021	3	167,788	5,274	31,814					
22	2021	4	163,154	5,266	30,983					
23	2021	5	153,069	5,298	28,892					
24	2021	6	183,593	5,327	34,465	2,070,654	392,688	-27,024	5,300	-71,612,296

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	181,735	192,454	-10,719			
2	2020	8	202,125	206,708	-4,583			
3	2020	9	214,431	212,665	1,766			
4	2020	10	181,315	181,531	-216			
5	2020	11	142,705	143,965	-1,260			
6	2020	12	174,474	174,347	127			
7	2021	1	154,680	154,799	-119			
8	2021	2	151,584	151,256	328			
9	2021	3	167,788	169,381	-1,593			
10	2021	4	163,154	163,176	-22			
11	2021	5	153,069	153,161	-92			
12	2021	6	183,593	186,067	-2,474	2,070,654	2,089,510	-18,856,099

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Aug 10 2021

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	2020	7	5,249	5,286	14	181,735	34,380	481,326	
2	2020	8	5,252	5,258	42	202,125	38,441	1,614,540	
3	2020	9	5,255	5,257	43	214,431	40,790	1,753,953	
4	2020	10	5,259	5,261	39	181,315	34,464	1,344,095	
5	2020	11	5,264	5,256	44	142,705	27,151	1,194,639	
6	2020	12	5,269	5,258	42	174,474	33,183	1,393,668	
7	2021	1	5,274	5,266	34	154,680	29,373	998,693	
8	2021	2	5,279	5,272	28	151,584	28,753	805,074	
9	2021	3	5,285	5,274	26	167,788	31,814	827,169	
10	2021	4	5,290	5,266	34	163,154	30,983	1,053,406	
11	2021	5	5,295	5,298	2	153,069	28,892	57,784	
12	2021	6	5,300	5,327	-27	183,593	34,465	-930,545	10,593,802
			=====	=====	=====				
			63,279		321				

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 INCREASE IN USAGE
1	2019	7	360	221	1,629					
2	2019	8	401	221	1,814					
3	2019	9	362	1	362,000					
4	2019	10	384	221	1,738					
5	2019	11	349	222	1,572					
6	2019	12	381	220	1,732					
7	2020	1	376	219	1,717					
8	2020	2	364	219	1,662					
9	2020	3	376	221	1,701					
10	2020	4	372	221	1,683					
11	2020	5	366	220	1,664					
12	2020	6	376	1	376,000	4,467	754,912		180	
13	2020	7	378	220	1,718					
14	2020	8	371	220	1,686					
15	2020	9	372	220	1,691					
16	2020	10	376	1	376,000					
17	2020	11	358	220	1,627					
18	2020	12	377	220	1,714					
19	2021	1	365	221	1,652					
20	2021	2	101	220	459					
21	2021	3	648	220	2,945					
22	2021	4	372	220	1,691					
23	2021	5	362	220	1,645					
24	2021	6	381	219	1,740	4,461	394,569	-360,344	235	-42,340,367

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUSTST  
STREET LIGHTS  
COMMONWEALTH OF VIRGINIA

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	378	
2	2020	8	371	
3	2020	9	372	
4	2020	10	376	
5	2020	11	358	
6	2020	12	377	
7	2021	1	365	
8	2021	2	101	
9	2021	3	648	
10	2021	4	372	
11	2021	5	362	
12	2021	6	381	4,461,000

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Aug 10 2021

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	180	220	15	378	1,718	25,773	
2	2020	8	180	220	15	371	1,686	25,295	
3	2020	9	181	220	15	372	1,691	25,364	
4	2020	10	183	1	234	376	376,000	87,984,000	
5	2020	11	186	220	15	358	1,627	24,409	
6	2020	12	190	220	15	377	1,714	25,705	
7	2021	1	194	221	14	365	1,652	23,122	
8	2021	2	200	220	15	101	459	6,886	
9	2021	3	207	220	15	648	2,945	44,182	
10	2021	4	215	220	15	372	1,691	25,364	
11	2021	5	225	220	15	362	1,645	24,682	
12	2021	6	235	219	16	381	1,740	27,836	88,262,618
				=====	=====				
				2,421	399				

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
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 INCREASE USAGE
1	2019	7	1,247	1,572	793					
2	2019	8	1,218	1,572	775					
3	2019	9	1,227	1,577	778					
4	2019	10	1,261	1,577	800					
5	2019	11	1,206	1,574	766					
6	2019	12	1,311	1,574	833					
7	2020	1	1,349	1,575	857					
8	2020	2	1,202	1,577	762					
9	2020	3	1,241	1,586	782					
10	2020	4	1,222	1,589	769					
11	2020	5	1,177	1,590	740					
12	2020	6	1,211	1,592	761	14,872	9,416		1,595	
13	2020	7	1,216	1,595	762					
14	2020	8	1,164	1,596	729					
15	2020	9	1,210	1,614	750					
16	2020	10	1,227	1,616	759					
17	2020	11	1,183	1,616	732					
18	2020	12	1,320	1,619	815					
19	2021	1	1,262	1,622	778					
20	2021	2	583	1,628	358					
21	2021	3	1,843	1,630	1,131					
22	2021	4	1,191	1,632	730					
23	2021	5	1,159	1,632	710					
24	2021	6	1,160	1,645	705	14,518	8,960	-456	1,641	-374,155

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VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
CUSTTR  
TRAFFIC LIGHTS  
COMMONWEALTH OF VIRGINIA

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2020	7	1,216	
2	2020	8	1,164	
3	2020	9	1,210	
4	2020	10	1,227	
5	2020	11	1,183	
6	2020	12	1,320	
7	2021	1	1,262	
8	2021	2	583	
9	2021	3	1,843	
10	2021	4	1,191	
11	2021	5	1,159	
12	2021	6	1,160	14,518,000

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Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2020	7	1,599	1,595	46	1,216	762	35,070	
2	2020	8	1,602	1,596	45	1,164	729	32,820	
3	2020	9	1,606	1,614	27	1,210	750	20,242	
4	2020	10	1,610	1,616	25	1,227	759	18,982	
5	2020	11	1,614	1,616	25	1,183	732	18,301	
6	2020	12	1,618	1,619	22	1,320	815	17,937	
7	2021	1	1,622	1,622	19	1,262	778	14,783	
8	2021	2	1,626	1,628	13	583	358	4,655	
9	2021	3	1,630	1,630	11	1,843	1,131	12,437	
10	2021	4	1,634	1,632	9	1,191	730	6,568	
11	2021	5	1,638	1,632	9	1,159	710	6,392	
12	2021	6	1,641	1,645	-4	1,160	705	-2,821	185,366
				=====	=====				
				19,445	247				

VIRGINIA POWER  
SUMMARY OF KWH ATTRIBUTABLE TO  
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH  
12 MONTHS ENDED JUNE 30, 2021  
MS - GOVERNMENTAL SERVICE

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	MS	26,861,078	983,146,726	31,024,906	1,041,032,710
		=====	=====	=====	=====
		26,861,078	983,146,726	31,024,906	1,041,032,710

VIRGINIA POWER  
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE  
12 MONTHS ENDED JUNE 30, 2021  
CUMS  
MS - GOVERNMENTAL SERVICE  
NON-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	2019	7	600,745	1,687	356,102					
2	2019	8	601,042	1,680	357,763					
3	2019	9	572,990	1,534	373,527					
4	2019	10	841,960	1,673	503,264					
5	2019	11	297,485	1,520	195,714					
6	2019	12	309,204	1,606	192,530					
7	2020	1	344,264	1,626	211,724					
8	2020	2	249,617	1,628	153,327					
9	2020	3	302,204	1,624	186,086					
10	2020	4	264,595	1,625	162,828					
11	2020	5	77,296	1,632	47,363					
12	2020	6	304,999	1,625	187,692	4,766,400	2,927,920		1,627	
13	2020	7	512,483	1,625	315,374					
14	2020	8	837,085	1,623	515,764					
15	2020	9	634,076	1,626	389,960					
16	2020	10	151,465	1,649	91,853					
17	2020	11	311,832	1,646	189,448					
18	2020	12	299,561	1,633	183,442					
19	2021	1	276,392	1,631	169,462					
20	2021	2	330,564	1,629	202,924					
21	2021	3	331,442	1,635	202,717					
22	2021	4	257,258	1,646	156,293					
23	2021	5	349,967	1,646	212,617					
24	2021	6	544,073	1,645	330,744	4,836,198	2,960,598	32,678	1,644	26,861,078

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Aug 10 2021

VIRGINIA POWER  
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH  
12 MONTHS ENDED JUNE 30, 2021  
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	2020	7	512,483	355,465	157,018			
2	2020	8	837,085	351,172	485,913			
3	2020	9	634,076	368,428	265,648			
4	2020	10	151,465	332,774	-181,309			
5	2020	11	311,832	289,238	22,594			
6	2020	12	299,561	329,012	-29,451			
7	2021	1	276,392	291,931	-15,539			
8	2021	2	330,564	314,382	16,182			
9	2021	3	331,442	330,615	827			
10	2021	4	257,258	286,697	-29,439			
11	2021	5	349,967	263,017	86,950			
12	2021	6	544,073	340,320	203,753	4,836,198	3,853,051	983,146,726

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	2020	7	1,629	1,625	19	512,483	315,374	5,992,109	
2	2020	8	1,631	1,623	21	837,085	515,764	10,831,044	
3	2020	9	1,633	1,626	18	634,076	389,961	7,019,292	
4	2020	10	1,635	1,649	-5	151,465	91,853	-459,263	
5	2020	11	1,636	1,646	-2	311,832	189,448	-378,897	
6	2020	12	1,637	1,633	11	299,561	183,442	2,017,863	
7	2021	1	1,638	1,631	13	276,392	169,462	2,203,002	
8	2021	2	1,639	1,629	15	330,564	202,924	3,043,867	
9	2021	3	1,639	1,635	9	331,442	202,717	1,824,451	
10	2021	4	1,641	1,646	-2	257,258	156,293	-312,586	
11	2021	5	1,642	1,646	-2	349,967	212,617	-425,233	
12	2021	6	1,644	1,645	-1	544,073	330,743	-330,743	31,024,906
			=====	=====	=====				
			19,634		94				

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Aug 10 2021

Obs	Year	Month	WEATHER NORMALIZED KWH	ACTUAL KWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED KWH	TOTAL ACTUAL KWH	TOTAL WEATHER EFFECT KWH
1	2020	7	136,633,315	146,732,359	-10,099,044			
2	2020	8	131,330,054	135,669,898	-4,339,844			
3	2020	9	111,621,245	110,786,566	834,679			
4	2020	10	105,715,240	100,743,329	4,971,911			
5	2020	11	111,883,416	102,111,738	9,771,678			
6	2020	12	129,649,064	129,704,104	-55,040			
7	2021	1	139,636,797	137,796,226	1,840,571			
8	2021	2	125,085,788	128,207,441	-3,121,654			
9	2021	3	119,394,537	113,035,415	6,359,122			
10	2021	4	102,042,926	100,637,200	1,405,727			
11	2021	5	103,801,031	105,119,629	-1,318,598			
12	2021	6	121,126,275	123,164,155	-2,037,879	1,437,919,687	1,433,708,059	4,211,628

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COOPS

Obs	Year	Month	WEATHER NORMALIZED KWH	ACTUAL KWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED KWH	TOTAL ACTUAL KWH	TOTAL WEATHER EFFECT KWH
1	2020	7	1,414,210	1,520,000	-105,790			
2	2020	8	2,106,848	2,174,000	-67,152			
3	2020	9	2,647,514	2,637,000	10,514			
4	2020	10	2,335,296	2,168,000	167,296			
5	2020	11	3,111,940	2,778,000	333,940			
6	2020	12	1,249,988	1,251,000	-1,012			
7	2021	1	2,856,783	2,811,000	45,783			
8	2021	2	2,036,248	2,098,000	-61,752			
9	2021	3	1,155,244	1,074,000	81,244			
10	2021	4	649,432	638,000	11,432			
11	2021	5	1,960,776	1,991,000	-30,224			
12	2021	6	2,717,325	2,754,000	-36,675	24,241,604	23,894,000	347,604

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**DOMINION ENERGY NORTH CAROLINA  
DOCKET NO. E-22, SUB 605  
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 Company Exhibit JDM-1, Schedule 4 attached to the testimony of Jeffrey D. Matzen.

**DOMINION ENERGY NORTH CAROLINA  
DOCKET NO. E-22, SUB 605  
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 2020 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 2020 - June 2021  
12 month Average

Nuclear	\$5.92
Coal (1)	\$32.65
Heavy Oil	\$58.92
Combined Cycle and Combustion Turbine (2)	\$21.63
Power Purchases (applic NUG and PJM mkt at 78%)	\$32.52

(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 605  
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(a)(3), 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 605  
RULE R8-55**

Rule R8-55(e)(6):

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

Response:

See Company Exhibit RC-1, Schedule 5 attached to the testimony of Ronnie T. Campbell for the cost of fuel burned. Pursuant to G.S. § 62-133.2 (a)(3), 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 605  
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 2020 through December 2020 were filed in Docket No. E-22, Sub 582. The Monthly Base Load Power Plant Performance Reports for the months of January 2021 through June 2021 were filed in Docket No. E-22, Sub 597.

Rule R8-55(e)(11)

**DOMINION ENERGY NORTH CAROLINA  
DOCKET NO. E-22, SUB 605  
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) Unit	(2) Actual Net Capacity Factor for 12 Months Ended June 2021	(3) Expected Net Capacity Factor for 12 Months Ended Jan '23	(4) MDC	(5) Normalized Generation MDC x CF x 8760 Hrs. in Period (3) x (4) x 8760	(6) Va. Power North Anna Portion (88.4%) NA (5) x 0.884	(7) Va. Power Expected Nuc. Gen. (5)Surry, (6)NA	(8) Va. Power Actual Nuc. Gen. 12 mos Ended 6/21	(9) Increase (Decrease) in Nuclear (7) - (8)
North Anna 1	86.1%	88.7%	948	7,364,864	6,510,540	6,510,540		
North Anna 2	91.7%	89.1%	944	7,366,652	6,512,120	6,512,120		
Total North Anna					13,022,660	13,022,660	13,013,751	
Surry 1	90.6%	92.8%	838	6,815,140		6,435,050		
Surry 2	102.3%	100.2%	838	7,359,050		7,379,160		
Total Surry						13,814,210	14,149,267	
Grand Total				28,905,706		26,836,870	27,163,019	(326,149)



**DOMINION ENERGY NORTH CAROLINA  
DOCKET NO. E-22, SUB 605  
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:

<b>NUCLEAR UNIT</b>	<b>NET MDC MW LAST FUEL CASE DOCKET NO. E-22, SUB 590</b>	<b>NET MDC MW CURRENT PROCEEDING DOCKET NO. E-22, SUB 605</b>
North Anna 1	948	948
North Anna 2	944	944
Surry 1	838	838
Surry 2	838	838

Rule R8-55(e)(13)

**DOMINION ENERGY NORTH CAROLINA  
DOCKET NO. E-22, SUB 605  
RULE R8-55**

Rule R8-55(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 Company Witness Timothy P. Stuller, and Company Exhibit TPS-1, Schedules 1 through 6.