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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644

RULE R8-55
INFORMATION AND WORKPAPERS
AUGUST 9, 2022

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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.

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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 605).

As in Docket No. E-22, Sub 605, 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 began impacting the MS class in the month of January 2017.

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VIRGINIA ELECTRIC AND POWER COMPANY
SUMMARY OF REGRESSION ANALYSIS
TWELVE MONTHS ENDED JUNE 30, 2022

JURISDICTION / CLASS	PERIOD MONTHS	CURVE TYPE	R-SQUARE	ACTUAL END OF PERIOD CUSTOMERS	PREDICTED END OF PERIOD CUSTOMERS	
NORTH CAROLINA						
RESIDENTIAL - 1	36	POLYNOMIAL	0.9955	107,436	107,405	
COMMERCIAL - 7	36	POLYNOMIAL	0.9895	54	54	
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.9982	12,716	12,724	
STREET LIGHTS - 26	36	POLYNOMIAL	0.7196	256	257	
TRAFFIC LIGHTS - 26	36	POLYNOMIAL	0.8444	194	194	
PUBLIC AUTHORITY - 30	36	POLYNOMIAL	0.4232	1,076	1,070	
PUBLIC AUTHORITY - 42	36	POLYNOMIAL	0.9554	766	765	
COMMERCIAL - 5	36	POLYNOMIAL	0.9925	16,501	16,488	
COMMERCIAL - 6	36	POLYNOMIAL	0.5429	35	35	
INDUSTRIAL - 5	36	POLYNOMIAL	0.8965	22	22	
INDUSTRIAL - 6	36	POLYNOMIAL	0.2804	21	21	
INDUSTRIAL - 6VP	36	-NA-		3	3	#
INDUSTRIAL - NS	36	-NA-		1	1	#
VIRGINIA						
RESIDENTIAL - 1	36	POLYNOMIAL	0.9995	2,326,158	2,326,229	
COMMERCIAL - 7	36	POLYNOMIAL	0.9944	322	320	
OUTDOOR LIGHTING - 26	36	POLYNOMIAL	0.9927	55,849	55,873	
CHURCHES	36	POLYNOMIAL	0.9272	3,013	3,012	
COMMERCIAL	36	POLYNOMIAL	0.9848	229,267	228,864	
INDUSTRIAL	36	POLYNOMIAL	0.9695	534	534	
INDUSTRIAL - 56-235.2	36	-NA-		0	0	#
COUNTY						
COUNTY ML&P	36	POLYNOMIAL	0.9528	4,310	4,297	
MUNICIPAL ML&P	36	POLYNOMIAL	0.9748	16,440	16,416	
COUNTY/MUNI STREET LIGHTS	36	POLYNOMIAL	0.9826	1,593	1,594	
COUNTY/MUNI TRAFFIC LIGHTS	36	POLYNOMIAL	0.9876	1,274	1,277	
STATE						
MISCELLANEOUS	36	POLYNOMIAL	0.8540	5,331	5,312	
STREET LIGHTS	36	POLYNOMIAL	0.0577	215	202	
TRAFFIC LIGHTS	36	POLYNOMIAL	0.9870	1,705	1,697	
MS - GOVT. SERVICE	36	POLYNOMIAL	0.224	1,649	1,658	

 # 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, 2022
SYSTEM

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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	-39,337,618	22,867,545	8,112,304	-8,357,769	-8,713,852
2	VIRGINIA	1,910,033,312	290,870,402	84,230,204	2,285,133,918	2,382,492,048
3	COUNTY/MUNICIPAL	137,902,913	-12,865,485	-39,262,502	85,774,926	89,429,367
4	STATE	29,591,717	-10,736,207	-5,734,221	13,121,289	13,680,322
5	MS - GOVERNMENTAL	-730,302,471	862,887,688	40,637,233	173,222,450	180,602,593
6	FERC	0	15,294,583	0	15,294,583	15,946,209
7	ODEC	0	0	0	0	0
		1,307,887,853	1,168,318,526	87,983,018	2,564,189,397	2,673,436,687

SALES AT GENERATION LEVEL EQUALS TOTAL KWH TIMES THE 2021 SYSTEM EXPANSION FACTOR OF 1.042605

NORTH CAROLINA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
NORTH CAROLINA JURISDICTIONAL

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	NC RESIDENTIAL	-5,269,236	23,397,262	3,985,007	22,113,033
2	NC SCHEDULE 7	-8,973	11,317	-91,782	-89,438
3	NC OUTDOOR LIGHTING	-471,469	0	81,810	-389,659
4	NC STREET LIGHTS	-200,689	0	76,328	-124,361
5	NC TRAFFIC LIGHTS	-7,781	0	1,405	-6,376
6	NC PUBLIC AUTHORITY	1,329,226	-380,532	-1,021,323	-72,629
7	NC SCHEDULE 42	284,036	361,582	137,044	782,662
8	NC COMMERCIAL - 5	1,926,202	-65,627	3,976,159	5,836,734
9	NC COMMERCIAL - 6	439,770	0	3,214,383	3,654,153
10	NC INDUSTRIAL - 5	-382,286	-456,457	-817,818	-1,656,561
11	NC INDUSTRIAL - 6	8,075,545	0	-1,428,909	6,646,636
12	NC INDUSTRIAL - 6VP	12,680,502	0	0	12,680,502
13	NC INDUSTRIAL - NUCOR	-57,732,467	0	0	-57,732,467
		-39,337,618	22,867,545	8,112,304	-8,357,769

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NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCRES
RESIDENTIAL
NORTH CAROLINA JURISDICTIONAL

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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	2020	7	160,003	105,729	1,513					
2	2020	8	172,720	105,845	1,632					
3	2020	9	150,521	105,943	1,421					
4	2020	10	113,390	106,008	1,070					
5	2020	11	93,207	106,089	879					
6	2020	12	136,467	106,170	1,285					
7	2021	1	162,218	106,248	1,527					
8	2021	2	167,672	106,337	1,577					
9	2021	3	167,854	106,449	1,577					
10	2021	4	111,498	106,616	1,046					
11	2021	5	84,526	106,680	792					
12	2021	6	124,790	106,839	1,168	1,644,866	15,486		106,782	
13	2021	7	157,830	106,934	1,476					
14	2021	8	168,955	106,993	1,579					
15	2021	9	158,799	107,084	1,483					
16	2021	10	116,842	107,064	1,091					
17	2021	11	78,538	106,972	734					
18	2021	12	158,335	107,041	1,479					
19	2022	1	144,993	107,176	1,353					
20	2022	2	180,100	107,236	1,679					
21	2022	3	151,950	107,271	1,417					
22	2022	4	102,707	107,293	957					
23	2022	5	97,099	107,314	905					
24	2022	6	132,609	107,436	1,234	1,648,758	15,388	-98	107,405	-5,269,236

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCRES
RESIDENTIAL
NORTH CAROLINA JURISDICTIONAL

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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	2021	7	157,830	157,006	824			
2	2021	8	168,955	174,233	-5,278			
3	2021	9	158,799	163,955	-5,156			
4	2021	10	116,842	113,072	3,770			
5	2021	11	78,538	81,142	-2,604			
6	2021	12	158,335	140,249	18,086			
7	2022	1	144,993	141,821	3,172			
8	2022	2	180,100	176,981	3,119			
9	2022	3	151,950	139,151	12,799			
10	2022	4	102,707	101,199	1,508			
11	2022	5	97,099	98,197	-1,098			
12	2022	6	132,609	138,355	-5,746	1,648,758	1,625,361	23,397,262

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
CUNCRES

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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	2021	7	106,853	106,934	471	157,830	1,476	695,176	
2	2021	8	106,917	106,993	412	168,955	1,579	650,598	
3	2021	9	106,976	107,084	321	158,799	1,483	476,023	
4	2021	10	107,030	107,064	341	116,842	1,091	372,143	
5	2021	11	107,079	106,972	433	78,538	734	317,905	
6	2021	12	107,126	107,041	364	158,335	1,479	538,429	
7	2022	1	107,170	107,176	229	144,993	1,353	309,803	
8	2022	2	107,213	107,236	169	180,100	1,679	283,831	
9	2022	3	107,257	107,271	134	151,950	1,417	189,812	
10	2022	4	107,302	107,293	112	102,707	957	107,213	
11	2022	5	107,351	107,314	91	97,099	905	82,338	
12	2022	6	107,405	107,436	-31	132,609	1,234	-38,264	3,985,007
				1,285,814	3,046				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNC78
SCHEDULE 7
NORTH CAROLINA JURISDICTIONAL

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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	2020	7	88	66	1,327					
2	2020	8	133	66	2,016					
3	2020	9	117	66	1,766					
4	2020	10	76	66	1,157					
5	2020	11	66	65	1,016					
6	2020	12	79	65	1,218					
7	2021	1	130	65	1,998					
8	2021	2	125	65	1,929					
9	2021	3	145	65	2,231					
10	2021	4	72	65	1,114					
11	2021	5	43	64	664					
12	2021	6	57	63	907	1,131	17,342		63	
13	2021	7	86	63	1,366					
14	2021	8	108	63	1,718					
15	2021	9	109	62	1,762					
16	2021	10	71	61	1,156					
17	2021	11	42	60	698					
18	2021	12	98	59	1,669					
19	2022	1	93	59	1,569					
20	2022	2	147	59	2,486					
21	2022	3	100	57	1,757					
22	2022	4	56	57	983					
23	2022	5	44	55	799					
24	2022	6	57	54	1,048	1,010	17,010	-332	54	-8,973

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNC78
SCHEDULE 7
NORTH CAROLINA JURISDICTIONAL

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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	2021	7	86	85	1			
2	2021	8	108	115	-7			
3	2021	9	109	116	-7			
4	2021	10	71	69	2			
5	2021	11	42	44	-2			
6	2021	12	98	83	15			
7	2022	1	93	90	3			
8	2022	2	147	144	3			
9	2022	3	100	90	10			
10	2022	4	56	55	1			
11	2022	5	44	45	-1			
12	2022	6	57	63	-6	1,010	999	11,317

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
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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	2021	7	63	63	-9	86	1,365	-12,286	
2	2021	8	62	63	-9	108	1,714	-15,429	
3	2021	9	62	62	-8	109	1,758	-14,065	
4	2021	10	61	61	-7	71	1,164	-8,148	
5	2021	11	61	60	-6	42	700	-4,200	
6	2021	12	60	59	-5	98	1,661	-8,305	
7	2022	1	59	59	-5	93	1,576	-7,881	
8	2022	2	58	59	-5	147	2,492	-12,458	
9	2022	3	57	57	-3	100	1,754	-5,263	
10	2022	4	56	57	-3	56	982	-2,947	
11	2022	5	55	55	-1	44	800	-800	
12	2022	6	54	54	0	57	1,056	0	-91,782
				709	-61				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCLTS
OUTDOOR LIGHTING
NORTH CAROLINA JURISDICTIONAL

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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 INCR USAGE
1	2020	7	1,485	12,323	121					
2	2020	8	1,385	12,345	112					
3	2020	9	1,422	12,381	115					
4	2020	10	1,418	12,386	114					
5	2020	11	1,262	12,399	102					
6	2020	12	1,511	12,447	121					
7	2021	1	1,318	12,470	106					
8	2021	2	1,312	12,481	105					
9	2021	3	1,563	12,504	125					
10	2021	4	1,378	12,539	110					
11	2021	5	1,280	12,561	102					
12	2021	6	1,468	12,576	117	16,802	1,350		12,571	
13	2021	7	1,367	12,588	109					
14	2021	8	1,412	12,610	112					
15	2021	9	1,394	12,611	111					
16	2021	10	1,359	12,635	108					
17	2021	11	1,176	12,641	93					
18	2021	12	1,475	12,645	117					
19	2022	1	1,331	12,671	105					
20	2022	2	1,220	12,684	96					
21	2022	3	1,475	12,707	116					
22	2022	4	1,265	12,705	100					
23	2022	5	1,330	12,713	105					
24	2022	6	1,343	12,716	106	16,147	1,275	-74	12,724	-471,469

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCLTS
OUTDOOR LIGHTING
NORTH CAROLINA JURISDICTIONAL

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Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	1,367	
2	2021	8	1,412	
3	2021	9	1,394	
4	2021	10	1,359	
5	2021	11	1,176	
6	2021	12	1,475	
7	2022	1	1,331	
8	2022	2	1,220	
9	2022	3	1,475	
10	2022	4	1,265	
11	2022	5	1,330	
12	2022	6	1,343	16,147,000

NO WEATHER NORMALIZATION EFFECT

NORTH CAROLINA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUNCLTS

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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	2021	7	12,589	12,588	136	1,367	109	14,769	
2	2021	8	12,605	12,610	114	1,412	112	12,765	
3	2021	9	12,620	12,611	113	1,394	111	12,491	
4	2021	10	12,634	12,635	89	1,359	108	9,573	
5	2021	11	12,647	12,641	83	1,176	93	7,722	
6	2021	12	12,659	12,645	79	1,475	117	9,215	
7	2022	1	12,670	12,671	53	1,331	105	5,567	
8	2022	2	12,681	12,684	40	1,220	96	3,847	
9	2022	3	12,691	12,707	17	1,475	116	1,973	
10	2022	4	12,702	12,705	19	1,265	100	1,892	
11	2022	5	12,712	12,713	11	1,330	105	1,151	
12	2022	6	12,724	12,716	8	1,343	106	845	81,810
				151,926	762				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCPA
PUBLIC AUTHORITY
NORTH CAROLINA JURISDICTIONAL

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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	2020	7	6,965	1,075	6,479					
2	2020	8	7,253	1,070	6,778					
3	2020	9	7,680	1,069	7,184					
4	2020	10	6,322	1,074	5,886					
5	2020	11	5,401	1,081	4,996					
6	2020	12	6,263	1,081	5,793					
7	2021	1	6,312	1,078	5,856					
8	2021	2	6,150	1,078	5,705					
9	2021	3	6,438	1,091	5,901					
10	2021	4	5,782	1,096	5,276					
11	2021	5	5,565	1,093	5,092					
12	2021	6	6,692	1,092	6,128	76,824	71,075		1,087	
13	2021	7	7,561	1,087	6,956					
14	2021	8	7,630	1,086	7,026					
15	2021	9	7,839	1,086	7,219					
16	2021	10	7,174	1,086	6,606					
17	2021	11	5,688	1,092	5,209					
18	2021	12	6,344	1,094	5,799					
19	2022	1	5,897	1,084	5,440					
20	2022	2	6,656	1,080	6,163					
21	2022	3	6,279	1,080	5,814					
22	2022	4	5,565	1,078	5,162					
23	2022	5	5,899	1,077	5,477					
24	2022	6	7,198	1,076	6,689	79,730	73,560	2,485	1,070	1,329,226

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCPA
PUBLIC AUTHORITY
NORTH CAROLINA JURISDICTIONAL

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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	2021	7	7,561	7,533	28			
2	2021	8	7,630	7,822	-192			
3	2021	9	7,839	8,045	-206			
4	2021	10	7,174	7,268	-94			
5	2021	11	5,688	5,706	-18			
6	2021	12	6,344	6,153	191			
7	2022	1	5,897	5,876	21			
8	2022	2	6,656	6,622	34			
9	2022	3	6,279	6,173	106			
10	2022	4	5,565	5,567	-2			
11	2022	5	5,899	5,924	-25			
12	2022	6	7,198	7,422	-224	79,730	80,111	-380,532

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
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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	2021	7	1,088	1,087	-17	7,561	6,956	-118,249	
2	2021	8	1,089	1,086	-16	7,630	7,026	-112,413	
3	2021	9	1,089	1,086	-16	7,839	7,218	-115,492	
4	2021	10	1,090	1,086	-16	7,174	6,606	-105,694	
5	2021	11	1,090	1,092	-22	5,688	5,209	-114,593	
6	2021	12	1,089	1,094	-24	6,344	5,799	-139,174	
7	2022	1	1,088	1,084	-14	5,897	5,440	-76,161	
8	2022	2	1,086	1,080	-10	6,656	6,163	-61,630	
9	2022	3	1,084	1,080	-10	6,279	5,814	-58,139	
10	2022	4	1,080	1,078	-8	5,565	5,162	-41,299	
11	2022	5	1,076	1,077	-7	5,899	5,477	-38,341	
12	2022	6	1,070	1,076	-6	7,198	6,690	-40,138	-1,021,323
				13,006	-166				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNC42
SCHEDULE 42
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2020	7	3,027	748	4,047					
2	2020	8	3,243	748	4,335					
3	2020	9	3,494	748	4,671					
4	2020	10	2,715	749	3,625					
5	2020	11	2,466	748	3,297					
6	2020	12	3,374	748	4,511					
7	2021	1	4,099	750	5,465					
8	2021	2	4,218	749	5,631					
9	2021	3	4,264	749	5,693					
10	2021	4	3,030	749	4,045					
11	2021	5	2,388	753	3,172					
12	2021	6	2,813	755	3,726	39,132	52,219		754	
13	2021	7	3,312	758	4,370					
14	2021	8	3,346	759	4,409					
15	2021	9	3,611	759	4,758					
16	2021	10	3,127	760	4,114					
17	2021	11	2,487	763	3,260					
18	2021	12	3,717	763	4,872					
19	2022	1	3,523	762	4,624					
20	2022	2	4,581	763	6,003					
21	2022	3	4,056	765	5,302					
22	2022	4	2,841	766	3,709					
23	2022	5	2,591	766	3,383					
24	2022	6	3,185	766	4,158	40,379	52,962	743	765	284,036

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNC42
SCHEDULE 42
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2021	7	3,312	3,296	16			
2	2021	8	3,346	3,451	-105			
3	2021	9	3,611	3,715	-104			
4	2021	10	3,127	3,071	56			
5	2021	11	2,487	2,533	-46			
6	2021	12	3,717	3,395	322			
7	2022	1	3,523	3,468	55			
8	2022	2	4,581	4,525	56			
9	2022	3	4,056	3,831	225			
10	2022	4	2,841	2,816	25			
11	2022	5	2,591	2,612	-21			
12	2022	6	3,185	3,304	-119	40,379	40,017	361,582

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
CUNC42

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Aug 09 2022

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	2021	7	756	758	7	3,312	4,369	30,586	
2	2021	8	757	759	6	3,346	4,408	26,451	
3	2021	9	759	759	6	3,611	4,758	28,545	
4	2021	10	760	760	5	3,127	4,114	20,572	
5	2021	11	761	763	2	2,487	3,260	6,519	
6	2021	12	763	763	2	3,717	4,872	9,743	
7	2022	1	764	762	3	3,523	4,623	13,870	
8	2022	2	765	763	2	4,581	6,004	12,008	
9	2022	3	765	765	0	4,056	5,302	0	
10	2022	4	766	766	-1	2,841	3,709	-3,709	
11	2022	5	766	766	-1	2,591	3,383	-3,383	
12	2022	6	765	766	-1	3,185	4,158	-4,158	137,044
				9,150	30				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCCOM5
COMMERCIAL 5
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2020	7	59,651	16,075	3,711					
2	2020	8	58,318	16,088	3,625					
3	2020	9	59,491	16,081	3,699					
4	2020	10	52,705	16,110	3,272					
5	2020	11	45,345	16,154	2,807					
6	2020	12	53,671	16,182	3,317					
7	2021	1	54,233	16,186	3,351					
8	2021	2	47,583	16,179	2,941					
9	2021	3	51,603	16,220	3,181					
10	2021	4	44,477	16,258	2,736					
11	2021	5	41,755	16,271	2,566					
12	2021	6	51,372	16,271	3,157	620,204	38,363		16,280	
13	2021	7	58,670	16,310	3,597					
14	2021	8	63,793	16,300	3,914					
15	2021	9	63,721	16,319	3,905					
16	2021	10	55,012	16,367	3,361					
17	2021	11	43,957	16,388	2,682					
18	2021	12	55,545	16,386	3,390					
19	2022	1	48,979	16,398	2,987					
20	2022	2	50,930	16,403	3,105					
21	2022	3	50,847	16,404	3,100					
22	2022	4	41,316	16,427	2,515					
23	2022	5	44,683	16,482	2,711					
24	2022	6	54,950	16,501	3,330	632,402	38,596	234	16,488	1,926,202

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCCOM5
COMMERCIAL 5
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2021	7	58,670	58,422	248			
2	2021	8	63,793	65,443	-1,650			
3	2021	9	63,721	65,444	-1,723			
4	2021	10	55,012	55,229	-217			
5	2021	11	43,957	44,311	-354			
6	2021	12	55,545	52,682	2,863			
7	2022	1	48,979	48,549	430			
8	2022	2	50,930	50,423	507			
9	2022	3	50,847	48,971	1,876			
10	2022	4	41,316	41,181	135			
11	2022	5	44,683	44,944	-261			
12	2022	6	54,950	56,869	-1,919	632,402	632,468	-65,627

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
CUNCCOM5

OFFICIAL COPY
Aug 09 2022

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	2021	7	16,297	16,310	178	58,670	3,597	640,298	
2	2021	8	16,314	16,300	188	63,793	3,914	735,772	
3	2021	9	16,331	16,319	169	63,721	3,905	659,896	
4	2021	10	16,348	16,367	121	55,012	3,361	406,700	
5	2021	11	16,364	16,388	100	43,957	2,682	268,227	
6	2021	12	16,380	16,386	102	55,545	3,390	345,758	
7	2022	1	16,397	16,398	90	48,979	2,987	268,820	
8	2022	2	16,413	16,403	85	50,930	3,105	263,918	
9	2022	3	16,430	16,404	84	50,847	3,100	260,372	
10	2022	4	16,448	16,427	61	41,316	2,515	153,423	
11	2022	5	16,467	16,482	6	44,683	2,711	16,266	
12	2022	6	16,488	16,501	-13	54,950	3,330	-43,291	3,976,159
				196,685	1,171				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCCOM6
COMMERCIAL 6
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCR USAGE
1	2020	7	12,113	33	367,061					
2	2020	8	11,444	33	346,788					
3	2020	9	14,685	33	445,000					
4	2020	10	11,302	33	342,485					
5	2020	11	9,308	34	273,765					
6	2020	12	11,287	34	331,971					
7	2021	1	10,355	34	304,559					
8	2021	2	9,314	34	273,941					
9	2021	3	10,587	34	311,382					
10	2021	4	10,358	34	304,647					
11	2021	5	9,619	34	282,912					
12	2021	6	11,356	34	334,000	131,728	3,918,510		34	
13	2021	7	12,469	34	366,735					
14	2021	8	13,259	34	389,971					
15	2021	9	12,738	34	374,647					
16	2021	10	10,999	34	323,500					
17	2021	11	9,743	34	286,559					
18	2021	12	9,599	34	282,324					
19	2022	1	10,884	34	320,118					
20	2022	2	9,591	34	282,088					
21	2022	3	9,704	34	285,412					
22	2022	4	10,303	34	303,029					
23	2022	5	11,964	35	341,829					
24	2022	6	13,560	35	387,429	134,813	3,943,639	25,130	35	439,770

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCCOM6
COMMERCIAL 6
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	12,469	
2	2021	8	13,259	
3	2021	9	12,738	
4	2021	10	10,999	
5	2021	11	9,743	
6	2021	12	9,599	
7	2022	1	10,884	
8	2022	2	9,591	
9	2022	3	9,704	
10	2022	4	10,303	
11	2022	5	11,964	
12	2022	6	13,560	134,813,000

NO WEATHER NORMALIZATION EFFECT

NORTH CAROLINA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUNCCOM6

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	34	34	1	12,469	366,735	366,735	
2	2021	8	34	34	1	13,259	389,971	389,971	
3	2021	9	34	34	1	12,738	374,647	374,647	
4	2021	10	34	34	1	10,999	323,500	323,500	
5	2021	11	34	34	1	9,743	286,559	286,559	
6	2021	12	34	34	1	9,599	282,324	282,324	
7	2022	1	34	34	1	10,884	320,118	320,118	
8	2022	2	34	34	1	9,591	282,088	282,088	
9	2022	3	34	34	1	9,704	285,412	285,412	
10	2022	4	34	34	1	10,303	303,029	303,029	
11	2022	5	35	35	0	11,964	341,829	0	
12	2022	6	35	35	0	13,560	387,429	0	3,214,383
				410	10				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCIND5
INDUSTRIAL 5
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2020	7	1,597	26	61,432					
2	2020	8	1,527	26	58,734					
3	2020	9	1,539	26	59,182					
4	2020	10	1,319	25	52,769					
5	2020	11	1,169	25	46,774					
6	2020	12	1,502	25	60,069					
7	2021	1	1,616	25	64,657					
8	2021	2	1,504	24	62,646					
9	2021	3	1,456	24	60,665					
10	2021	4	1,507	24	62,795					
11	2021	5	1,437	24	59,878					
12	2021	6	1,443	24	60,139	17,617	709,741		24	
13	2021	7	1,503	24	62,618					
14	2021	8	1,566	24	65,234					
15	2021	9	1,372	24	57,185					
16	2021	10	1,392	24	57,996					
17	2021	11	1,309	24	54,551					
18	2021	12	1,405	23	61,094					
19	2022	1	1,306	23	56,779					
20	2022	2	1,481	23	64,406					
21	2022	3	929	23	40,373					
22	2022	4	1,453	22	66,044					
23	2022	5	985	22	44,778					
24	2022	6	966	22	43,930	15,668	674,987	-34,753	22	-382,286

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCIND5
INDUSTRIAL 5
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2021	7	1,503	1,504	-1			
2	2021	8	1,566	1,562	4			
3	2021	9	1,372	1,376	-4			
4	2021	10	1,392	1,477	-85			
5	2021	11	1,309	1,280	29			
6	2021	12	1,405	1,578	-173			
7	2022	1	1,306	1,341	-35			
8	2022	2	1,481	1,511	-30			
9	2022	3	929	1,065	-136			
10	2022	4	1,453	1,474	-21			
11	2022	5	985	980	5			
12	2022	6	966	976	-10	15,668	16,124	-456,457

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
CUNCIND5

OFFICIAL COPY
Aug 09 2022

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	2021	7	24	24	-2	1,503	62,625	-125,250	
2	2021	8	24	24	-2	1,566	65,250	-130,500	
3	2021	9	24	24	-2	1,372	57,167	-114,333	
4	2021	10	24	24	-2	1,392	58,000	-116,000	
5	2021	11	23	24	-2	1,309	54,542	-109,083	
6	2021	12	23	23	-1	1,405	61,087	-61,087	
7	2022	1	23	23	-1	1,306	56,783	-56,783	
8	2022	2	23	23	-1	1,481	64,391	-64,391	
9	2022	3	23	23	-1	929	40,391	-40,391	
10	2022	4	22	22	0	1,453	66,045	0	
11	2022	5	22	22	0	985	44,773	0	
12	2022	6	22	22	0	966	43,909	0	-817,818
				278	-14				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCIND6
INDUSTRIAL 6
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCR USAGE
1	2020	7	55,656	21	2,650,286					
2	2020	8	41,296	21	1,966,476					
3	2020	9	43,690	21	2,080,476					
4	2020	10	41,193	21	1,961,571					
5	2020	11	31,147	21	1,483,190					
6	2020	12	40,451	21	1,926,238					
7	2021	1	41,863	21	1,993,476					
8	2021	2	39,134	21	1,863,524					
9	2021	3	38,949	21	1,854,714					
10	2021	4	43,288	21	2,061,333					
11	2021	5	40,396	21	1,923,619					
12	2021	6	42,434	21	2,020,667	499,497	23,785,571		21	
13	2021	7	43,162	21	2,055,333					
14	2021	8	55,004	21	2,619,238					
15	2021	9	43,206	21	2,057,429					
16	2021	10	41,785	21	1,989,762					
17	2021	11	30,667	21	1,460,333					
18	2021	12	42,862	21	2,041,048					
19	2022	1	21,067	21	1,003,190					
20	2022	2	37,796	21	1,799,810					
21	2022	3	72,388	21	3,447,048					
22	2022	4	31,436	22	1,428,909					
23	2022	5	43,382	21	2,065,810					
24	2022	6	54,322	21	2,586,762	517,077	24,554,671	769,100	21	8,075,545

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCIND6
INDUSTRIAL 6
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	43,162	
2	2021	8	55,004	
3	2021	9	43,206	
4	2021	10	41,785	
5	2021	11	30,667	
6	2021	12	42,862	
7	2022	1	21,067	
8	2022	2	37,796	
9	2022	3	72,388	
10	2022	4	31,436	
11	2022	5	43,382	
12	2022	6	54,322	517,077,000

NO WEATHER NORMALIZATION EFFECT

NORTH CAROLINA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUNCIND6

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	21	21	0	43,162	2,055,333	0	
2	2021	8	21	21	0	55,004	2,619,238	0	
3	2021	9	21	21	0	43,206	2,057,429	0	
4	2021	10	21	21	0	41,785	1,989,762	0	
5	2021	11	21	21	0	30,667	1,460,333	0	
6	2021	12	21	21	0	42,862	2,041,048	0	
7	2022	1	21	21	0	21,067	1,003,190	0	
8	2022	2	21	21	0	37,796	1,799,810	0	
9	2022	3	21	21	0	72,388	3,447,048	0	
10	2022	4	21	22	-1	31,436	1,428,909	-1,428,909	
11	2022	5	21	21	0	43,382	2,065,810	0	
12	2022	6	21	21	0	54,322	2,586,762	0	-1,428,909
				253	-1				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNC6VP
INDUSTRIAL 6VP
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCREASED USAGE
1	2020	7	24,891	3	8,297,030					
2	2020	8	18,707	3	6,235,736					
3	2020	9	25,940	3	8,646,614					
4	2020	10	20,890	3	6,963,286					
5	2020	11	21,161	3	7,053,754					
6	2020	12	21,162	3	7,053,864					
7	2021	1	18,203	3	6,067,761					
8	2021	2	17,848	3	5,949,494					
9	2021	3	19,930	3	6,643,242					
10	2021	4	21,002	3	7,000,665					
11	2021	5	22,180	3	7,393,492					
12	2021	6	26,365	3	8,788,324	258,280	86,093,261		3	
13	2021	7	27,821	3	9,273,677					
14	2021	8	26,307	3	8,768,858					
15	2021	9	27,240	3	9,079,951					
16	2021	10	23,226	3	7,741,840					
17	2021	11	17,335	3	5,778,349					
18	2021	12	23,995	3	7,998,305					
19	2022	1	20,115	3	6,705,043					
20	2022	2	20,035	3	6,678,401					
21	2022	3	21,056	3	7,018,718					
22	2022	4	23,677	3	7,892,444					
23	2022	5	25,494	3	8,497,963					
24	2022	6	27,340	3	9,113,379	283,641	94,546,929	8,453,668	3	12,680,502

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNC6VP
INDUSTRIAL 6VP
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	27,821	
2	2021	8	26,307	
3	2021	9	27,240	
4	2021	10	23,226	
5	2021	11	17,335	
6	2021	12	23,995	
7	2022	1	20,115	
8	2022	2	20,035	
9	2022	3	21,056	
10	2022	4	23,677	
11	2022	5	25,494	
12	2022	6	27,340	283,640,787

NO WEATHER NORMALIZATION EFFECT

NORTH CAROLINA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUNC6VP

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Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	3	3	0	27,821	9,273,677	0	
2	2021	8	3	3	0	26,307	8,768,858	0	
3	2021	9	3	3	0	27,240	9,079,951	0	
4	2021	10	3	3	0	23,226	7,741,840	0	
5	2021	11	3	3	0	17,335	5,778,349	0	
6	2021	12	3	3	0	23,995	7,998,305	0	
7	2022	1	3	3	0	20,115	6,705,043	0	
8	2022	2	3	3	0	20,035	6,678,401	0	
9	2022	3	3	3	0	21,056	7,018,718	0	
10	2022	4	3	3	0	23,677	7,892,444	0	
11	2022	5	3	3	0	25,494	8,497,963	0	
12	2022	6	3	3	0	27,340	9,113,379	0	0
				36	0				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCNUC
INDUSTRIAL NUCOR
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCR USAGE
1	2020	7	66,197	1	66,197,357					
2	2020	8	61,717	1	61,716,782					
3	2020	9	66,625	1	66,625,305					
4	2020	10	61,268	1	61,267,628					
5	2020	11	78,135	1	78,135,484					
6	2020	12	93,138	1	93,138,174					
7	2021	1	76,153	1	76,153,388					
8	2021	2	79,687	1	79,687,121					
9	2021	3	74,458	1	74,457,627					
10	2021	4	78,462	1	78,461,819					
11	2021	5	80,300	1	80,299,794					
12	2021	6	90,235	1	90,234,731	906,375	906,375,210		1	
13	2021	7	75,801	1	75,800,624					
14	2021	8	71,395	1	71,394,785					
15	2021	9	94,378	1	94,377,871					
16	2021	10	54,159	1	54,158,755					
17	2021	11	56,993	1	56,993,020					
18	2021	12	67,482	1	67,482,170					
19	2022	1	68,753	1	68,752,573					
20	2022	2	52,596	1	52,596,254					
21	2022	3	46,178	1	46,178,124					
22	2022	4	65,176	1	65,176,068					
23	2022	5	70,924	1	70,924,177					
24	2022	6	67,076	1	67,075,855	790,910	790,910,276	-115,464,934	1	-57,732,467

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCNUC
INDUSTRIAL NUCOR
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	75,801	
2	2021	8	71,395	
3	2021	9	94,378	
4	2021	10	54,159	
5	2021	11	56,993	
6	2021	12	67,482	
7	2022	1	68,753	
8	2022	2	52,596	
9	2022	3	46,178	
10	2022	4	65,176	
11	2022	5	70,924	
12	2022	6	67,076	790,910,276

NO WEATHER NORMALIZATION EFFECT

NORTH CAROLINA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUNCNUC

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Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	1	1	0	75,801	75,800,624	0	
2	2021	8	1	1	0	71,395	71,394,785	0	
3	2021	9	1	1	0	94,378	94,377,871	0	
4	2021	10	1	1	0	54,159	54,158,755	0	
5	2021	11	1	1	0	56,993	56,993,020	0	
6	2021	12	1	1	0	67,482	67,482,170	0	
7	2022	1	1	1	0	68,753	68,752,573	0	
8	2022	2	1	1	0	52,596	52,596,254	0	
9	2022	3	1	1	0	46,178	46,178,124	0	
10	2022	4	1	1	0	65,176	65,176,068	0	
11	2022	5	1	1	0	70,924	70,924,177	0	
12	2022	6	1	1	0	67,076	67,075,855	0	0
				12	0				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCTRF
TRAFFIC LIGHTS
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCR USAGE
1	2020	7	33	192	172					
2	2020	8	38	192	198					
3	2020	9	37	192	193					
4	2020	10	36	192	188					
5	2020	11	31	192	161					
6	2020	12	32	192	167					
7	2021	1	36	192	188					
8	2021	2	35	192	182					
9	2021	3	38	192	198					
10	2021	4	34	192	177					
11	2021	5	30	193	155					
12	2021	6	32	193	166	412	2,144		193	
13	2021	7	4	193	21					
14	2021	8	62	193	321					
15	2021	9	37	193	192					
16	2021	10	36	193	187					
17	2021	11	31	193	161					
18	2021	12	32	193	166					
19	2022	1	34	193	176					
20	2022	2	35	193	181					
21	2022	3	34	194	175					
22	2022	4	31	194	160					
23	2022	5	30	194	155					
24	2022	6	33	194	170	399	2,064	-80	194	-7,781

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCTRF
TRAFFIC LIGHTS
NORTH CAROLINA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	4	
2	2021	8	62	
3	2021	9	37	
4	2021	10	36	
5	2021	11	31	
6	2021	12	32	
7	2022	1	34	
8	2022	2	35	
9	2022	3	34	
10	2022	4	31	
11	2022	5	30	
12	2022	6	33	399,000

NO WEATHER NORMALIZATION EFFECT

NORTH CAROLINA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUNCTRF

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	193	193	1	4	21	21	
2	2021	8	193	193	1	62	321	321	
3	2021	9	193	193	1	37	192	192	
4	2021	10	193	193	1	36	187	187	
5	2021	11	193	193	1	31	161	161	
6	2021	12	193	193	1	32	166	166	
7	2022	1	193	193	1	34	176	176	
8	2022	2	194	193	1	35	181	181	
9	2022	3	194	194	0	34	175	0	
10	2022	4	194	194	0	31	160	0	
11	2022	5	194	194	0	30	155	0	
12	2022	6	194	194	0	33	170	0	1,405
				2,320	8				

NORTH CAROLINA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUNCST
STREET LIGHTS
NORTH CAROLINA JURISDICTIONAL

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Aug 09 2022

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 INCR USAGE
1	2020	7	638	251	2,542					
2	2020	8	597	251	2,378					
3	2020	9	598	251	2,382					
4	2020	10	598	251	2,382					
5	2020	11	594	251	2,367					
6	2020	12	590	252	2,341					
7	2021	1	590	254	2,323					
8	2021	2	93	254	366					
9	2021	3	1,113	254	4,382					
10	2021	4	450	255	1,765					
11	2021	5	559	251	2,227					
12	2021	6	735	252	2,917	7,155	28,372		253	
13	2021	7	553	252	2,194					
14	2021	8	557	252	2,210					
15	2021	9	590	253	2,332					
16	2021	10	577	253	2,281					
17	2021	11	571	253	2,257					
18	2021	12	567	253	2,241					
19	2022	1	573	254	2,256					
20	2022	2	568	257	2,210					
21	2022	3	575	255	2,255					
22	2022	4	561	257	2,183					
23	2022	5	559	255	2,192					
24	2022	6	563	256	2,199	6,814	26,811	-1,562	257	-200,689

NORTH CAROLINA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUNCST
STREET LIGHTS
NORTH CAROLINA JURISDICTIONAL

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Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	553	
2	2021	8	557	
3	2021	9	590	
4	2021	10	577	
5	2021	11	571	
6	2021	12	567	
7	2022	1	573	
8	2022	2	568	
9	2022	3	575	
10	2022	4	561	
11	2022	5	559	
12	2022	6	563	6,814,000

NO WEATHER NORMALIZATION EFFECT

NORTH CAROLINA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUNCST

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	253	252	5	553	2,194	10,972	
2	2021	8	253	252	5	557	2,210	11,052	
3	2021	9	253	253	4	590	2,332	9,328	
4	2021	10	253	253	4	577	2,281	9,123	
5	2021	11	254	253	4	571	2,257	9,028	
6	2021	12	254	253	4	567	2,241	8,964	
7	2022	1	254	254	3	573	2,256	6,768	
8	2022	2	255	257	0	568	2,210	0	
9	2022	3	255	255	2	575	2,255	4,510	
10	2022	4	255	257	0	561	2,183	0	
11	2022	5	256	255	2	559	2,192	4,384	
12	2022	6	257	256	1	563	2,199	2,199	76,328
				3,050	34				

VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	VA RESIDENTIAL	-184,941,021	320,367,389	107,600,244	243,026,612
2	VA SCHEDULE 7	176,823	172,580	-207,208	142,195
3	VA OUTDOOR LIGHTING	-1,137,407	0	190,389	-947,018
4	VA CHURCHES	10,088,769	374,792	-307,307	10,156,254
5	VA COMMERCIAL	2,171,370,201	-30,044,359	7,480,856	2,148,806,698
6	VA INDUSTRIAL	-85,524,053	0	-30,526,770	-116,050,823
7	VA INDUSTRIAL 56-235.2	0	0		0
		1,910,033,312	290,870,402	84,230,204	2,285,133,918

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUVARES
RESIDENTIAL
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2020	7	2,846,188	2,278,276	1,249					
2	2020	8	3,007,985	2,280,793	1,319					
3	2020	9	2,598,666	2,283,488	1,138					
4	2020	10	1,934,959	2,285,434	847					
5	2020	11	1,770,542	2,288,147	774					
6	2020	12	2,578,891	2,290,482	1,126					
7	2021	1	3,093,906	2,292,805	1,349					
8	2021	2	2,919,350	2,295,105	1,272					
9	2021	3	3,097,904	2,297,501	1,348					
10	2021	4	2,056,158	2,300,131	894					
11	2021	5	1,598,093	2,302,715	694					
12	2021	6	2,227,362	2,305,044	966	29,730,004	12,976		2,305,467	
13	2021	7	2,842,898	2,307,318	1,232					
14	2021	8	2,887,723	2,309,448	1,250					
15	2021	9	2,746,918	2,312,317	1,188					
16	2021	10	2,040,928	2,315,109	882					
17	2021	11	1,591,084	2,317,113	687					
18	2021	12	2,814,134	2,317,871	1,214					
19	2022	1	2,794,658	2,320,088	1,205					
20	2022	2	3,235,426	2,321,529	1,394					
21	2022	3	2,714,258	2,323,222	1,168					
22	2022	4	1,883,534	2,324,007	810					
23	2022	5	1,824,672	2,324,640	785					
24	2022	6	2,332,568	2,326,158	1,003	29,708,799	12,817	-159	2,326,229	-184,941,021

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUVARES
RESIDENTIAL
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2021	7	2,842,898	2,842,350	548			
2	2021	8	2,887,723	2,932,905	-45,182			
3	2021	9	2,746,918	2,826,368	-79,450			
4	2021	10	2,040,928	2,002,769	38,159			
5	2021	11	1,591,084	1,623,379	-32,295			
6	2021	12	2,814,134	2,578,276	235,858			
7	2022	1	2,794,658	2,765,312	29,346			
8	2022	2	3,235,426	3,170,056	65,370			
9	2022	3	2,714,258	2,568,059	146,199			
10	2022	4	1,883,534	1,882,045	1,489			
11	2022	5	1,824,672	1,815,616	9,056			
12	2022	6	2,332,568	2,381,297	-48,729	29,708,799	29,388,432	320,367,389

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVARES

OFFICIAL COPY
Aug 09 2022

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	2021	7	2,307,770	2,307,318	18,911	2,842,898	1,232	23,300,659	
2	2021	8	2,310,000	2,309,448	16,781	2,887,723	1,250	20,982,878	
3	2021	9	2,312,149	2,312,317	13,912	2,746,918	1,188	16,526,760	
4	2021	10	2,314,209	2,315,109	11,120	2,040,928	882	9,803,047	
5	2021	11	2,316,170	2,317,113	9,116	1,591,084	687	6,259,656	
6	2021	12	2,318,021	2,317,871	8,358	2,814,134	1,214	10,147,473	
7	2022	1	2,319,754	2,320,088	6,141	2,794,658	1,205	7,397,129	
8	2022	2	2,321,356	2,321,529	4,700	3,235,426	1,394	6,550,211	
9	2022	3	2,322,817	2,323,222	3,007	2,714,258	1,168	3,513,126	
10	2022	4	2,324,124	2,324,007	2,222	1,883,534	810	1,800,860	
11	2022	5	2,325,266	2,324,640	1,589	1,824,672	785	1,247,249	
12	2022	6	2,326,229	2,326,158	71	2,332,568	1,003	71,196	107,600,244
				27818820	95,928				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUVAOTH
SCHEDULE 7
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2020	7	456	350	1,302					
2	2020	8	525	349	1,505					
3	2020	9	467	347	1,345					
4	2020	10	358	345	1,038					
5	2020	11	375	345	1,087					
6	2020	12	585	343	1,706					
7	2021	1	924	343	2,695					
8	2021	2	885	343	2,581					
9	2021	3	862	342	2,520					
10	2021	4	473	339	1,395					
11	2021	5	295	338	873					
12	2021	6	372	338	1,099	6,577	19,146		338	
13	2021	7	539	337	1,600					
14	2021	8	573	337	1,699					
15	2021	9	539	336	1,605					
16	2021	10	369	334	1,105					
17	2021	11	302	334	904					
18	2021	12	700	333	2,102					
19	2022	1	774	329	2,351					
20	2022	2	1,021	328	3,112					
21	2022	3	722	327	2,208					
22	2022	4	431	323	1,333					
23	2022	5	329	322	1,022					
24	2022	6	389	322	1,210	6,688	20,251	1,105	320	176,823

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUVAOTH
SCHEDULE 7
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2021	7	539	539	0			
2	2021	8	573	586	-13			
3	2021	9	539	561	-22			
4	2021	10	369	339	30			
5	2021	11	302	316	-14			
6	2021	12	700	599	101			
7	2022	1	774	761	13			
8	2022	2	1,021	993	28			
9	2022	3	722	657	65			
10	2022	4	431	431	-0			
11	2022	5	329	331	-2			
12	2022	6	389	402	-13	6,688	6,515	172,580

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVAOTH

OFFICIAL COPY
Aug 09 2022

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	2021	7	337	337	-17	539	1,599	-27,190	
2	2021	8	336	337	-17	573	1,700	-28,905	
3	2021	9	335	336	-16	539	1,604	-25,667	
4	2021	10	334	334	-14	369	1,105	-15,467	
5	2021	11	333	334	-14	302	904	-12,659	
6	2021	12	332	333	-13	700	2,102	-27,327	
7	2022	1	330	329	-9	774	2,353	-21,173	
8	2022	2	329	328	-8	1,021	3,113	-24,902	
9	2022	3	327	327	-7	722	2,208	-15,456	
10	2022	4	325	323	-3	431	1,334	-4,003	
11	2022	5	323	322	-2	329	1,022	-2,043	
12	2022	6	320	322	-2	389	1,208	-2,416	-207,208
				3,962	-122				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUVALTS
OUTDOOR LIGHTING
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCR USAGE
1	2020	7	7,703	55,175	140					
2	2020	8	7,441	55,178	135					
3	2020	9	7,417	55,203	134					
4	2020	10	7,396	55,243	134					
5	2020	11	6,774	55,265	123					
6	2020	12	7,646	55,340	138					
7	2021	1	6,722	55,389	121					
8	2021	2	7,079	55,425	128					
9	2021	3	8,120	55,454	146					
10	2021	4	7,308	55,503	132					
11	2021	5	6,915	55,555	124					
12	2021	6	7,618	55,553	137	88,139	1,592		55,573	
13	2021	7	7,310	55,586	132					
14	2021	8	7,444	55,608	134					
15	2021	9	7,282	55,623	131					
16	2021	10	7,201	55,689	129					
17	2021	11	6,622	55,757	119					
18	2021	12	7,516	55,806	135					
19	2022	1	7,223	55,777	129					
20	2022	2	6,818	55,757	122					
21	2022	3	7,760	55,871	139					
22	2022	4	6,868	55,849	123					
23	2022	5	7,148	55,835	128					
24	2022	6	7,305	55,849	131	86,497	1,552	-41	55,873	-1,137,407

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUVALTS
OUTDOOR LIGHTING
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	7,310	
2	2021	8	7,444	
3	2021	9	7,282	
4	2021	10	7,201	
5	2021	11	6,622	
6	2021	12	7,516	
7	2022	1	7,223	
8	2022	2	6,818	
9	2022	3	7,760	
10	2022	4	6,868	
11	2022	5	7,148	
12	2022	6	7,305	86,497,000

NO WEATHER NORMALIZATION EFFECT

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVALTS

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	55,606	55,586	287	7,310	132	37,743	
2	2021	8	55,638	55,608	265	7,444	134	35,474	
3	2021	9	55,668	55,623	250	7,282	131	32,729	
4	2021	10	55,696	55,689	184	7,201	129	23,792	
5	2021	11	55,723	55,757	116	6,622	119	13,777	
6	2021	12	55,748	55,806	67	7,516	135	9,024	
7	2022	1	55,772	55,777	96	7,223	129	12,432	
8	2022	2	55,794	55,757	116	6,818	122	14,185	
9	2022	3	55,815	55,871	2	7,760	139	278	
10	2022	4	55,835	55,849	24	6,868	123	2,951	
11	2022	5	55,854	55,835	38	7,148	128	4,865	
12	2022	6	55,873	55,849	24	7,305	131	3,139	190,389
				669,007	1,469				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUVACH
CHURCHES
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2020	7	17,603	3,031	5,808					
2	2020	8	20,441	3,028	6,751					
3	2020	9	17,925	3,026	5,924					
4	2020	10	13,304	3,024	4,400					
5	2020	11	10,982	3,021	3,635					
6	2020	12	15,219	3,023	5,034					
7	2021	1	18,291	3,023	6,050					
8	2021	2	17,040	3,021	5,641					
9	2021	3	19,149	3,020	6,341					
10	2021	4	13,161	3,022	4,355					
11	2021	5	10,414	3,023	3,445					
12	2021	6	14,812	3,023	4,900	188,341	62,283		3,020	
13	2021	7	21,280	3,019	7,049					
14	2021	8	22,375	3,017	7,416					
15	2021	9	21,146	3,018	7,006					
16	2021	10	15,095	3,020	4,998					
17	2021	11	11,228	3,021	3,717					
18	2021	12	17,911	3,017	5,937					
19	2022	1	17,301	3,013	5,742					
20	2022	2	20,352	3,018	6,744					
21	2022	3	17,990	3,016	5,965					
22	2022	4	13,014	3,013	4,319					
23	2022	5	13,166	3,011	4,373					
24	2022	6	17,221	3,013	5,715	208,080	68,982	6,699	3,012	10,088,769

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUVACH
CHURCHES
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2021	7	21,280	21,276	4			
2	2021	8	22,375	22,887	-512			
3	2021	9	21,146	22,107	-961			
4	2021	10	15,095	15,434	-339			
5	2021	11	11,228	11,404	-176			
6	2021	12	17,911	16,550	1,361			
7	2022	1	17,301	17,137	164			
8	2022	2	20,352	19,971	381			
9	2022	3	17,990	17,264	726			
10	2022	4	13,014	12,970	44			
11	2022	5	13,166	12,894	272			
12	2022	6	17,221	17,811	-590	208,080	207,705	374,792

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVACH

OFFICIAL COPY
Aug 09 2022

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	2021	7	3,020	3,019	-7	21,280	7,049	-49,341	
2	2021	8	3,019	3,017	-5	22,375	7,416	-37,082	
3	2021	9	3,019	3,018	-6	21,146	7,007	-42,040	
4	2021	10	3,018	3,020	-8	15,095	4,998	-39,987	
5	2021	11	3,018	3,021	-9	11,228	3,717	-33,450	
6	2021	12	3,017	3,017	-5	17,911	5,937	-29,683	
7	2022	1	3,017	3,013	-1	17,301	5,742	-5,742	
8	2022	2	3,016	3,018	-6	20,352	6,744	-40,461	
9	2022	3	3,015	3,016	-4	17,990	5,965	-23,859	
10	2022	4	3,014	3,013	-1	13,014	4,319	-4,319	
11	2022	5	3,013	3,011	1	13,166	4,373	4,373	
12	2022	6	3,012	3,013	-1	17,221	5,716	-5,716	-307,307
				36,196	-52				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUVACOM
COMMERCIAL
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2020	7	2,711,231	226,032	11,995					
2	2020	8	2,742,112	226,205	12,122					
3	2020	9	2,733,847	226,300	12,081					
4	2020	10	2,463,971	226,336	10,886					
5	2020	11	2,188,439	226,560	9,659					
6	2020	12	2,636,915	226,755	11,629					
7	2021	1	2,527,221	226,827	11,142					
8	2021	2	2,418,910	227,057	10,653					
9	2021	3	2,889,604	227,258	12,715					
10	2021	4	2,531,948	227,353	11,137					
11	2021	5	2,375,976	227,640	10,437					
12	2021	6	2,818,940	227,936	12,367	31,039,114	136,824		227,935	
13	2021	7	2,997,188	228,242	13,132					
14	2021	8	3,183,107	228,466	13,933					
15	2021	9	3,164,174	228,752	13,832					
16	2021	10	2,839,761	228,936	12,404					
17	2021	11	2,581,778	229,222	11,263					
18	2021	12	3,002,006	228,887	13,116					
19	2022	1	2,967,034	228,567	12,981					
20	2022	2	3,026,233	228,839	13,224					
21	2022	3	2,910,323	228,900	12,714					
22	2022	4	2,905,193	228,770	12,699					
23	2022	5	2,619,745	228,987	11,441					
24	2022	6	3,452,755	229,267	15,060	35,649,298	155,799	18,975	228,864	2,171,370,201

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUVACOM
COMMERCIAL
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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	2021	7	2,997,188	2,997,148	41			
2	2021	8	3,183,107	3,192,313	-9,206			
3	2021	9	3,164,174	3,182,022	-17,848			
4	2021	10	2,839,761	2,854,002	-14,242			
5	2021	11	2,581,778	2,582,823	-1,044			
6	2021	12	3,002,006	2,992,482	9,524			
7	2022	1	2,967,034	2,966,035	999			
8	2022	2	3,026,233	3,023,683	2,550			
9	2022	3	2,910,323	2,908,406	1,917			
10	2022	4	2,905,193	2,904,122	1,071			
11	2022	5	2,619,745	2,613,186	6,559			
12	2022	6	3,452,755	3,463,120	-10,366	35,649,298	35,679,343	-30,044,359

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVACOM

OFFICIAL COPY
Aug 09 2022

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	2021	7	228,132	228,242	622	2,997,188	13,132	8,167,870	
2	2021	8	228,320	228,466	398	3,183,107	13,933	5,545,143	
3	2021	9	228,497	228,752	112	3,164,174	13,832	1,549,221	
4	2021	10	228,658	228,936	-72	2,839,761	12,404	-893,100	
5	2021	11	228,800	229,222	-358	2,581,778	11,263	-4,032,233	
6	2021	12	228,919	228,887	-23	3,002,006	13,116	-301,660	
7	2022	1	229,009	228,567	297	2,967,034	12,981	3,855,364	
8	2022	2	229,067	228,839	25	3,026,233	13,224	330,607	
9	2022	3	229,086	228,900	-36	2,910,323	12,714	-457,718	
10	2022	4	229,063	228,770	94	2,905,193	12,699	1,193,724	
11	2022	5	228,991	228,987	-123	2,619,745	11,441	-1,407,192	
12	2022	6	228,864	229,267	-403	3,452,755	15,060	-6,069,170	7,480,856
				2,745,835	533				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUVAIND
INDUSTRIAL
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCREASED USAGE
1	2020	7	493,609	548	900,746					
2	2020	8	470,238	546	861,242					
3	2020	9	489,493	546	896,508					
4	2020	10	440,228	548	803,336					
5	2020	11	416,008	547	760,527					
6	2020	12	462,574	549	842,575					
7	2021	1	488,285	547	892,661					
8	2021	2	448,224	550	814,953					
9	2021	3	418,168	544	768,691					
10	2021	4	461,536	543	849,974					
11	2021	5	422,409	545	775,063					
12	2021	6	486,187	542	897,024	5,496,959	10,063,298		542	
13	2021	7	463,755	541	857,217					
14	2021	8	474,753	539	880,804					
15	2021	9	462,233	538	859,170					
16	2021	10	428,944	536	800,268					
17	2021	11	440,592	541	814,403					
18	2021	12	439,754	537	818,908					
19	2022	1	414,376	537	771,651					
20	2022	2	366,451	535	684,954					
21	2022	3	482,281	534	903,148					
22	2022	4	418,128	537	778,636					
23	2022	5	426,564	536	795,828					
24	2022	6	415,450	534	777,997	5,233,280	9,742,984	-320,315	534	-85,524,053

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUVAIND
INDUSTRIAL
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	463,755	
2	2021	8	474,753	
3	2021	9	462,233	
4	2021	10	428,944	
5	2021	11	440,592	
6	2021	12	439,754	
7	2022	1	414,376	
8	2022	2	366,451	
9	2022	3	482,281	
10	2022	4	418,128	
11	2022	5	426,564	
12	2022	6	415,450	5,233,280,057

NO WEATHER NORMALIZATION EFFECT

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVAIND

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	541	541	-7	463,755	857,217	-6,000,521	
2	2021	8	540	539	-5	474,753	880,804	-4,404,019	
3	2021	9	540	538	-4	462,233	859,170	-3,436,679	
4	2021	10	539	536	-2	428,944	800,268	-1,600,536	
5	2021	11	538	541	-7	440,592	814,403	-5,700,819	
6	2021	12	538	537	-3	439,754	818,908	-2,456,724	
7	2022	1	537	537	-3	414,376	771,651	-2,314,952	
8	2022	2	537	535	-1	366,451	684,954	-684,954	
9	2022	3	536	534	0	482,281	903,148	0	
10	2022	4	535	537	-3	418,128	778,636	-2,335,909	
11	2022	5	535	536	-2	426,564	795,828	-1,591,657	
12	2022	6	534	534	0	415,450	777,997	0	-30,526,770
				6,445	-37				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUVACHP
INDUSTRIAL 56-235.2
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCR USAGE
1	2020	7	0	0						
2	2020	8	0	0						
3	2020	9	0	0						
4	2020	10	0	0						
5	2020	11	0	0						
6	2020	12	0	0						
7	2021	1	0	0						
8	2021	2	0	0						
9	2021	3	0	0						
10	2021	4	0	0						
11	2021	5	0	0						
12	2021	6	0	0		0			0	
13	2021	7	0	0						
14	2021	8	0	0						
15	2021	9	0	0						
16	2021	10	0	0						
17	2021	11	0	0						
18	2021	12	0	0						
19	2022	1	0	0						
20	2022	2	0	0						
21	2022	3	0	0						
22	2022	4	0	0						
23	2022	5	0	0						
24	2022	6	0	0		0		0	0	0

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUVACHP
INDUSTRIAL 56-235.2
VIRGINIA JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	0	
2	2021	8	0	
3	2021	9	0	
4	2021	10	0	
5	2021	11	0	
6	2021	12	0	
7	2022	1	0	
8	2022	2	0	
9	2022	3	0	
10	2022	4	0	
11	2022	5	0	
12	2022	6	0	0

NO WEATHER NORMALIZATION EFFECT

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVACHP

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	0	0	0	0			
2	2021	8	0	0	0	0			
3	2021	9	0	0	0	0			
4	2021	10	0	0	0	0			
5	2021	11	0	0	0	0			
6	2021	12	0	0	0	0			
7	2022	1	0	0	0	0			
8	2022	2	0	0	0	0			
9	2022	3	0	0	0	0			
10	2022	4	0	0	0	0			
11	2022	5	0	0	0	0			
12	2022	6	0	0	0	0			
				0	0				

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUVACHP

Obs	JURIS	_TYPE_	_FREQ_	MWHUSE	TOTWEFF	TOTAL
1	2	0	3	1910033311.6	290870402	84230204

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VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
COUNTY - NON-JURISDICTIONAL

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Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	COUNTY MISCELLANEOUS LIGHT & POWER	31,723,432	-1,201,175	3,112,865	33,635,122
2	MUNICIPAL MISCELLANEOUS LIGHT & POWER	122,512,058	-11,664,310	-46,128,595	64,719,153
3	STREET LIGHTS	-16,151,767	0	3,595,728	-12,556,039
4	TRAFFIC LIGHTS	-180,810	0	157,500	-23,310
		137,902,913	-12,865,485	-39,262,502	85,774,926

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUCOLP
MISCELLANEOUS, LIGHT AND POWER
COUNTY - NON-JURISDICTIONAL

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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	2020	7	52,401	4,171	12,563					
2	2020	8	55,781	4,183	13,335					
3	2020	9	59,369	4,191	14,166					
4	2020	10	56,164	4,189	13,408					
5	2020	11	46,326	4,191	11,054					
6	2020	12	57,275	4,202	13,630					
7	2021	1	58,821	4,207	13,982					
8	2021	2	59,061	4,216	14,009					
9	2021	3	67,550	4,214	16,030					
10	2021	4	55,222	4,218	13,092					
11	2021	5	49,851	4,230	11,785					
12	2021	6	60,369	4,245	14,221	678,191	161,275		4,233	
13	2021	7	65,234	4,248	15,356					
14	2021	8	67,939	4,250	15,986					
15	2021	9	69,792	4,261	16,379					
16	2021	10	64,006	4,266	15,004					
17	2021	11	51,666	4,277	12,080					
18	2021	12	65,430	4,278	15,294					
19	2022	1	59,367	4,289	13,842					
20	2022	2	64,550	4,292	15,040					
21	2022	3	67,369	4,294	15,689					
22	2022	4	54,562	4,296	12,701					
23	2022	5	58,274	4,299	13,555					
24	2022	6	65,140	4,310	15,114	753,331	176,040	14,765	4,297	31,723,432

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUCOLP
MISCELLANEOUS, LIGHT AND POWER
COUNTY - NON-JURISDICTIONAL

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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	2021	7	65,234	65,230	4			
2	2021	8	67,939	68,738	-799			
3	2021	9	69,792	71,336	-1,544			
4	2021	10	64,006	64,969	-963			
5	2021	11	51,666	51,838	-172			
6	2021	12	65,430	64,004	1,426			
7	2022	1	59,367	59,200	167			
8	2022	2	64,550	64,145	405			
9	2022	3	67,369	66,737	632			
10	2022	4	54,562	54,474	88			
11	2022	5	58,274	57,731	543			
12	2022	6	65,140	66,130	-990	753,331	754,532	-1,201,175

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUCOLP

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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	2021	7	4,241	4,248	49	65,234	15,356	752,464	
2	2021	8	4,250	4,250	47	67,939	15,986	751,325	
3	2021	9	4,259	4,261	36	69,792	16,379	589,653	
4	2021	10	4,267	4,266	31	64,006	15,004	465,116	
5	2021	11	4,276	4,277	20	51,666	12,080	241,599	
6	2021	12	4,284	4,278	19	65,430	15,295	290,596	
7	2022	1	4,291	4,289	8	59,367	13,842	110,734	
8	2022	2	4,297	4,292	5	64,550	15,040	75,198	
9	2022	3	4,301	4,294	3	67,369	15,689	47,067	
10	2022	4	4,302	4,296	1	54,562	12,701	12,701	
11	2022	5	4,301	4,299	-2	58,274	13,555	-27,110	
12	2022	6	4,297	4,310	-13	65,140	15,114	-196,478	3,112,865
				51,360	204				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUMUNLP
MISCELLANEOUS, LIGHT AND POWER
MUNICIPAL - NON-JURISDICTIONAL

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Aug 09 2022

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	2020	7	284,480	17,004	16,730					
2	2020	8	300,893	16,917	17,786					
3	2020	9	300,427	16,901	17,776					
4	2020	10	277,274	16,899	16,408					
5	2020	11	238,296	16,921	14,083					
6	2020	12	288,326	16,928	17,033					
7	2021	1	281,620	16,893	16,671					
8	2021	2	273,065	16,878	16,179					
9	2021	3	303,973	16,871	18,017					
10	2021	4	265,576	16,877	15,736					
11	2021	5	245,425	16,853	14,563					
12	2021	6	297,370	16,845	17,653	3,356,726	198,634		16,814	
13	2021	7	312,765	16,764	18,657					
14	2021	8	326,510	16,750	19,493					
15	2021	9	329,642	16,716	19,720					
16	2021	10	305,111	16,694	18,277					
17	2021	11	252,074	16,675	15,117					
18	2021	12	308,397	16,681	18,488					
19	2022	1	261,548	16,667	15,693					
20	2022	2	273,696	16,675	16,414					
21	2022	3	319,969	16,598	19,278					
22	2022	4	269,710	16,466	16,380					
23	2022	5	282,694	16,436	17,200					
24	2022	6	309,820	16,440	18,846	3,551,936	213,560	14,926	16,416	122,512,058

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUMUNLP
MISCELLANEOUS, LIGHT AND POWER
MUNICIPAL - NON-JURISDICTIONAL

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Aug 09 2022

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	2021	7	312,765	312,754	11			
2	2021	8	326,510	329,417	-2,907			
3	2021	9	329,642	335,351	-5,709			
4	2021	10	305,111	310,225	-5,114			
5	2021	11	252,074	252,273	-199			
6	2021	12	308,397	306,209	2,188			
7	2022	1	261,548	261,332	216			
8	2022	2	273,696	273,081	615			
9	2022	3	319,969	319,883	86			
10	2022	4	269,710	269,342	368			
11	2022	5	282,694	280,431	2,263			
12	2022	6	309,820	313,302	-3,482	3,551,936	3,563,600	-11,664,310

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUMUNLP

OFFICIAL COPY
Aug 09 2022

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	2021	7	16,796	16,764	-348	312,765	18,657	-6,492,616	
2	2021	8	16,777	16,750	-334	326,510	19,493	-6,510,707	
3	2021	9	16,755	16,716	-300	329,642	19,720	-5,916,044	
4	2021	10	16,731	16,694	-278	305,111	18,277	-5,080,919	
5	2021	11	16,704	16,675	-259	252,074	15,117	-3,915,272	
6	2021	12	16,675	16,681	-265	308,397	18,488	-4,899,299	
7	2022	1	16,641	16,667	-251	261,548	15,693	-3,938,834	
8	2022	2	16,605	16,675	-259	273,696	16,414	-4,251,110	
9	2022	3	16,564	16,598	-182	319,969	19,278	-3,508,517	
10	2022	4	16,519	16,466	-50	269,710	16,380	-818,991	
11	2022	5	16,470	16,436	-20	282,694	17,200	-343,994	
12	2022	6	16,416	16,440	-24	309,820	18,845	-452,292	-46,128,595
				199,562	-2,570				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUCOMUST
STREET LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCREASED USAGE
1	2020	7	19,169	1,432	13,386					
2	2020	8	19,100	1,433	13,329					
3	2020	9	19,233	1,436	13,393					
4	2020	10	19,311	1,437	13,438					
5	2020	11	19,227	1,442	13,334					
6	2020	12	17,454	1,447	12,062					
7	2021	1	20,764	1,449	14,330					
8	2021	2	1,634	1,450	1,127					
9	2021	3	36,242	1,462	24,789					
10	2021	4	18,520	1,467	12,624					
11	2021	5	18,180	1,473	12,342					
12	2021	6	18,490	1,483	12,468	227,324	156,623		1,499	
13	2021	7	17,731	1,491	11,892					
14	2021	8	18,577	1,522	12,206					
15	2021	9	17,767	1,549	11,470					
16	2021	10	18,140	1,554	11,673					
17	2021	11	18,189	1,583	11,490					
18	2021	12	18,151	1,582	11,473					
19	2022	1	17,800	1,584	11,237					
20	2022	2	17,520	1,588	11,033					
21	2022	3	17,854	1,591	11,222					
22	2022	4	17,377	1,593	10,908					
23	2022	5	17,375	1,593	10,907					
24	2022	6	17,277	1,593	10,846	213,758	136,357	-20,266	1,594	-16,151,767

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUCOMUST
STREET LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	17,731	
2	2021	8	18,577	
3	2021	9	17,767	
4	2021	10	18,140	
5	2021	11	18,189	
6	2021	12	18,151	
7	2022	1	17,800	
8	2022	2	17,520	
9	2022	3	17,854	
10	2022	4	17,377	
11	2022	5	17,375	
12	2022	6	17,277	213,758,000

NO WEATHER NORMALIZATION EFFECT

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUCOMUST

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Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	1,511	1,491	103	17,731	11,892	1,224,878	
2	2021	8	1,524	1,522	72	18,577	12,206	878,807	
3	2021	9	1,536	1,549	45	17,767	11,470	516,149	
4	2021	10	1,548	1,554	40	18,140	11,673	466,924	
5	2021	11	1,560	1,583	11	18,189	11,490	126,392	
6	2021	12	1,571	1,582	12	18,151	11,473	137,681	
7	2022	1	1,580	1,584	10	17,800	11,237	112,374	
8	2022	2	1,588	1,588	6	17,520	11,033	66,196	
9	2022	3	1,594	1,591	3	17,854	11,222	33,666	
10	2022	4	1,597	1,593	1	17,377	10,908	10,908	
11	2022	5	1,598	1,593	1	17,375	10,907	10,907	
12	2022	6	1,594	1,593	1	17,277	10,846	10,846	3,595,728
				18,823	305				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUCOMUTR
TRAFFIC LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

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 INCR USAGE
1	2020	7	1,328	1,226	1,083					
2	2020	8	1,398	1,232	1,135					
3	2020	9	1,320	1,233	1,071					
4	2020	10	1,325	1,234	1,074					
5	2020	11	1,281	1,234	1,038					
6	2020	12	1,383	1,235	1,120					
7	2021	1	1,330	1,238	1,074					
8	2021	2	445	1,238	359					
9	2021	3	2,271	1,240	1,831					
10	2021	4	1,331	1,245	1,069					
11	2021	5	1,291	1,248	1,034					
12	2021	6	1,346	1,251	1,076	16,049	12,965		1,249	
13	2021	7	1,319	1,254	1,052					
14	2021	8	1,326	1,252	1,059					
15	2021	9	1,324	1,253	1,057					
16	2021	10	1,328	1,255	1,058					
17	2021	11	1,300	1,259	1,033					
18	2021	12	1,386	1,266	1,095					
19	2022	1	1,351	1,268	1,065					
20	2022	2	1,316	1,273	1,034					
21	2022	3	1,367	1,271	1,076					
22	2022	4	1,305	1,273	1,025					
23	2022	5	1,321	1,277	1,034					
24	2022	6	1,394	1,274	1,094	16,037	12,682	-283	1,277	-180,810

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUCOMUTR
TRAFFIC LIGHTS
COUNTY AND MUNICIPAL - NON-JURISDICTIONAL

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	1,319	
2	2021	8	1,326	
3	2021	9	1,324	
4	2021	10	1,328	
5	2021	11	1,300	
6	2021	12	1,386	
7	2022	1	1,351	
8	2022	2	1,316	
9	2022	3	1,367	
10	2022	4	1,305	
11	2022	5	1,321	
12	2022	6	1,394	16,037,000

NO WEATHER NORMALIZATION EFFECT

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUCOMUTR

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Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	1,251	1,254	23	1,319	1,052	24,192	
2	2021	8	1,254	1,252	25	1,326	1,059	26,478	
3	2021	9	1,256	1,253	24	1,324	1,057	25,360	
4	2021	10	1,259	1,255	22	1,328	1,058	23,280	
5	2021	11	1,261	1,259	18	1,300	1,033	18,586	
6	2021	12	1,264	1,266	11	1,386	1,095	12,043	
7	2022	1	1,267	1,268	9	1,351	1,065	9,589	
8	2022	2	1,269	1,273	4	1,316	1,034	4,135	
9	2022	3	1,271	1,271	6	1,367	1,076	6,453	
10	2022	4	1,273	1,273	4	1,305	1,025	4,101	
11	2022	5	1,275	1,277	0	1,321	1,034	0	
12	2022	6	1,277	1,274	3	1,394	1,094	3,283	157,500
				15,175	149				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUSTMLP
MISCELLANEOUS, LIGHT AND POWER
COMMONWEALTH OF VIRGINIA

OFFICIAL COPY
Aug 09 2022

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	2020	7	183,630	5,286	34,739					
2	2020	8	202,999	5,258	38,608					
3	2020	9	214,164	5,257	40,739					
4	2020	10	181,427	5,261	34,485					
5	2020	11	142,712	5,256	27,152					
6	2020	12	174,476	5,258	33,183					
7	2021	1	154,635	5,266	29,365					
8	2021	2	151,610	5,272	28,758					
9	2021	3	167,963	5,274	31,847					
10	2021	4	163,119	5,266	30,976					
11	2021	5	153,410	5,298	28,956					
12	2021	6	184,338	5,327	34,605	2,074,483	393,412		5,305	
13	2021	7	201,962	5,316	37,991					
14	2021	8	216,591	5,317	40,736					
15	2021	9	228,720	5,326	42,944					
16	2021	10	197,716	5,331	37,088					
17	2021	11	165,663	5,334	31,058					
18	2021	12	183,230	5,349	34,255					
19	2022	1	169,046	5,336	31,680					
20	2022	2	173,986	5,326	32,667					
21	2022	3	131,048	5,318	24,642					
22	2022	4	192,098	5,309	36,183					
23	2022	5	165,956	5,311	31,248					
24	2022	6	205,310	5,331	38,512	2,231,324	419,005	25,593	5,312	67,974,466

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUSTMLP
MISCELLANEOUS, LIGHT AND POWER
COMMONWEALTH OF VIRGINIA

OFFICIAL COPY
Aug 09 2022

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	2021	7	201,962	203,155	-1,193			
2	2021	8	216,591	219,889	-3,298			
3	2021	9	228,720	229,014	-294			
4	2021	10	197,716	201,406	-3,690			
5	2021	11	165,663	164,917	746			
6	2021	12	183,230	184,414	-1,184			
7	2022	1	169,046	168,466	580			
8	2022	2	173,986	174,485	-499			
9	2022	3	131,048	132,317	-1,269			
10	2022	4	192,098	191,844	254			
11	2022	5	165,956	167,562	-1,606			
12	2022	6	205,310	204,591	719	2,231,324	2,242,060	-10,736,207

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUSTMLP

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Aug 09 2022

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	2021	7	5,311	5,316	-4	201,962	37,991	-151,965	
2	2021	8	5,316	5,317	-5	216,591	40,736	-203,678	
3	2021	9	5,321	5,326	-14	228,720	42,944	-601,217	
4	2021	10	5,325	5,331	-19	197,716	37,088	-704,672	
5	2021	11	5,328	5,334	-22	165,663	31,058	-683,274	
6	2021	12	5,331	5,349	-37	183,230	34,255	-1,267,435	
7	2022	1	5,332	5,336	-24	169,046	31,680	-760,327	
8	2022	2	5,332	5,326	-14	173,986	32,667	-457,342	
9	2022	3	5,330	5,318	-6	131,048	24,642	-147,854	
10	2022	4	5,326	5,309	3	192,098	36,183	108,550	
11	2022	5	5,321	5,311	1	165,956	31,248	31,248	
12	2022	6	5,312	5,331	-19	205,310	38,512	-731,737	-5,569,703
				63,904	-160				

VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
COMMONWEALTH OF VIRGINIA

OFFICIAL COPY
Aug 09 2022

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	MISCELLANEOUS LIGHT & POWER	67,974,466	-10,736,207	-5,569,703	51,668,556
2	STREET LIGHTS	-37,816,703	0	-286,551	-38,103,254
3	TRAFFIC LIGHTS	-566,046	0	122,033	-444,013
		29,591,717	-10,736,207	-5,734,221	13,121,289

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUSTST
STREET LIGHTS
COMMONWEALTH OF VIRGINIA

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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 INCR USAGE
1	2020	7	378	220	1,718					
2	2020	8	371	220	1,686					
3	2020	9	372	220	1,691					
4	2020	10	376	1	376,000					
5	2020	11	358	220	1,627					
6	2020	12	377	220	1,714					
7	2021	1	365	221	1,652					
8	2021	2	101	220	459					
9	2021	3	648	220	2,945					
10	2021	4	372	220	1,691					
11	2021	5	362	220	1,645					
12	2021	6	381	219	1,740	4,461	394,569		211	
13	2021	7	371	218	1,702					
14	2021	8	377	218	1,729					
15	2021	9	357	217	1,645					
16	2021	10	370	217	1,705					
17	2021	11	309	218	1,417					
18	2021	12	370	217	1,705					
19	2022	1	368	215	1,712					
20	2022	2	359	215	1,670					
21	2022	3	372	215	1,730					
22	2022	4	363	215	1,688					
23	2022	5	366	215	1,702					
24	2022	6	374	215	1,740	4,356	20,146	-374,423	202	-37,816,703

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUSTST
STREET LIGHTS
COMMONWEALTH OF VIRGINIA

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	371	
2	2021	8	377	
3	2021	9	357	
4	2021	10	370	
5	2021	11	309	
6	2021	12	370	
7	2022	1	368	
8	2022	2	359	
9	2022	3	372	
10	2022	4	363	
11	2022	5	366	
12	2022	6	374	4,356,000

NO WEATHER NORMALIZATION EFFECT

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUSTST

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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	2021	7	214	218	-16	371	1,702	-27,229	
2	2021	8	217	218	-16	377	1,729	-27,670	
3	2021	9	220	217	-15	357	1,645	-24,677	
4	2021	10	222	217	-15	370	1,705	-25,576	
5	2021	11	224	218	-16	309	1,417	-22,679	
6	2021	12	225	217	-15	370	1,705	-25,576	
7	2022	1	225	215	-13	368	1,712	-22,251	
8	2022	2	224	215	-13	359	1,670	-21,707	
9	2022	3	221	215	-13	372	1,730	-22,493	
10	2022	4	217	215	-13	363	1,688	-21,949	
11	2022	5	211	215	-13	366	1,702	-22,130	
12	2022	6	202	215	-13	374	1,740	-22,614	-286,551
				2,595	-171				

VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUSTTR
TRAFFIC LIGHTS
COMMONWEALTH OF VIRGINIA

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Aug 09 2022

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 INCR USAGE
1	2020	7	1,216	1,595	762					
2	2020	8	1,164	1,596	729					
3	2020	9	1,210	1,614	750					
4	2020	10	1,227	1,616	759					
5	2020	11	1,183	1,616	732					
6	2020	12	1,320	1,619	815					
7	2021	1	1,262	1,622	778					
8	2021	2	583	1,628	358					
9	2021	3	1,843	1,630	1,131					
10	2021	4	1,191	1,632	730					
11	2021	5	1,159	1,632	710					
12	2021	6	1,160	1,645	705	14,518	8,960		1,651	
13	2021	7	1,136	1,666	682					
14	2021	8	1,149	1,667	689					
15	2021	9	1,193	1,674	713					
16	2021	10	1,124	1,678	670					
17	2021	11	1,140	1,678	679					
18	2021	12	1,223	1,681	728					
19	2022	1	1,207	1,685	716					
20	2022	2	1,167	1,686	692					
21	2022	3	1,188	1,688	704					
22	2022	4	1,127	1,690	667					
23	2022	5	1,145	1,690	678					
24	2022	6	1,152	1,705	676	13,951	8,293	-667	1,697	-566,046

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUSTTR
TRAFFIC LIGHTS
COMMONWEALTH OF VIRGINIA

OFFICIAL COPY
Aug 09 2022

Obs	Year	Month	ACTUAL MWH	TOTAL ACTUAL KWH (1000 X MWH)
1	2021	7	1,136	
2	2021	8	1,149	
3	2021	9	1,193	
4	2021	10	1,124	
5	2021	11	1,140	
6	2021	12	1,223	
7	2022	1	1,207	
8	2022	2	1,167	
9	2022	3	1,188	
10	2022	4	1,127	
11	2022	5	1,145	
12	2022	6	1,152	13,951,000

NO WEATHER NORMALIZATION EFFECT

VIRGINIA POWER
MONTHLY KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUSTTR

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Aug 09 2022

Obs	Year	Month	PREDICTED CUSTOMERS	ACTUAL CUSTOMERS	CHANGE IN CUSTOMERS	ACTUAL MWH	AVERAGE KWH	CHANGE IN KWH	TOTAL CHANGE IN KWH
1	2021	7	1,656	1,666	31	1,136	682	21,138	
2	2021	8	1,662	1,667	30	1,149	689	20,678	
3	2021	9	1,667	1,674	23	1,193	713	16,391	
4	2021	10	1,672	1,678	19	1,124	670	12,727	
5	2021	11	1,676	1,678	19	1,140	679	12,908	
6	2021	12	1,681	1,681	16	1,223	728	11,641	
7	2022	1	1,685	1,685	12	1,207	716	8,596	
8	2022	2	1,688	1,686	11	1,167	692	7,614	
9	2022	3	1,692	1,688	9	1,188	704	6,334	
10	2022	4	1,694	1,690	7	1,127	667	4,668	
11	2022	5	1,696	1,690	7	1,145	678	4,743	
12	2022	6	1,697	1,705	-8	1,152	676	-5,405	122,033
				20,188	176				

VIRGINIA POWER
SUMMARY OF KWH ATTRIBUTABLE TO
CHANGE IN USAGE, WEATHER NORMALIZATION AND CUSTOMER GROWTH
12 MONTHS ENDED JUNE 30, 2022
MS - GOVERNMENTAL SERVICE

Obs	TYPE	KWH ATTRIBUTED TO INCREASED USAGE	TOTAL WEATHER EFFECT KWH	KWH ATTRIBUTED TO CUSTOMER GROWTH	TOTAL KWH
1	MS	-730,302,471	862,887,688	40,637,233	173,222,450
		-730,302,471	862,887,688	40,637,233	173,222,450

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VIRGINIA POWER
DERIVATION OF KWH ATTRIBUTABLE TO CHANGE IN USAGE
12 MONTHS ENDED JUNE 30, 2022
CUMS
MS - GOVERNMENTAL SERVICE
NON-JURISDICTIONAL

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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	2020	7	1,022,296	1,625	629,105					
2	2020	8	1,007,096	1,623	620,515					
3	2020	9	613,075	1,626	377,045					
4	2020	10	122,246	1,649	74,134					
5	2020	11	387,988	1,646	235,715					
6	2020	12	325,851	1,633	199,541					
7	2021	1	284,354	1,631	174,343					
8	2021	2	312,725	1,629	191,974					
9	2021	3	395,705	1,635	242,021					
10	2021	4	276,669	1,646	168,086					
11	2021	5	434,386	1,646	263,904					
12	2021	6	668,749	1,645	406,534	5,851,140	3,582,918		1,646	
13	2021	7	330,400	1,644	200,973					
14	2021	8	522,211	1,639	318,615					
15	2021	9	685,139	1,638	418,278					
16	2021	10	663,253	1,642	403,930					
17	2021	11	240,777	1,642	146,636					
18	2021	12	283,876	1,646	172,464					
19	2022	1	282,134	1,643	171,719					
20	2022	2	237,785	1,647	144,375					
21	2022	3	360,479	1,643	219,403					
22	2022	4	243,761	1,647	148,003					
23	2022	5	123,203	1,646	74,850					
24	2022	6	466,217	1,649	282,727	4,439,236	2,701,974	-880,944	1,658	-730,302,471

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
CUMS
MS - GOVERNMENTAL SERVICE
NON-JURISDICTIONAL

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Aug 09 2022

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	2021	7	330,400	330,837	-437			
2	2021	8	522,211	355,209	167,002			
3	2021	9	685,139	350,238	334,901			
4	2021	10	663,253	315,230	348,023			
5	2021	11	240,777	240,430	347			
6	2021	12	283,876	338,634	-54,758			
7	2022	1	282,134	285,836	-3,702			
8	2022	2	237,785	256,013	-18,228			
9	2022	3	360,479	318,897	41,582			
10	2022	4	243,761	268,045	-24,284			
11	2022	5	123,203	273,126	-149,923			
12	2022	6	466,217	243,853	222,364	4,439,236	3,576,348	862,887,688

VIRGINIA POWER
MONTHLY WEATHER NORMALIZED KWH ATTRIBUTED TO CHANGE IN CUSTOMERS
12 MONTHS ENDED JUNE 30, 2022
CUMS

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Aug 09 2022

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	2021	7	1,644	1,644	14	330,400	200,973	2,813,625	
2	2021	8	1,643	1,639	19	522,211	318,616	6,053,697	
3	2021	9	1,641	1,638	20	685,139	418,278	8,365,556	
4	2021	10	1,640	1,642	16	663,253	403,930	6,462,879	
5	2021	11	1,639	1,642	16	240,777	146,636	2,346,183	
6	2021	12	1,638	1,646	12	283,876	172,464	2,069,570	
7	2022	1	1,637	1,643	15	282,134	171,719	2,575,782	
8	2022	2	1,638	1,647	11	237,785	144,375	1,588,121	
9	2022	3	1,640	1,643	15	360,479	219,403	3,291,044	
10	2022	4	1,644	1,647	11	243,761	148,003	1,628,033	
11	2022	5	1,650	1,646	12	123,203	74,850	898,199	
12	2022	6	1,658	1,649	9	466,217	282,727	2,544,544	40,637,233
				19,726	170				

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
FERC
MUNICIPALS

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Aug 09 2022

Obs	Year	Month	WEATHER NORMALIZED KWH	ACTUAL KWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED KWH	TOTAL ACTUAL KWH	TOTAL WEATHER EFFECT KWH
1	2021	7	137,036,696	138,181,444	-1,144,748			
2	2021	8	137,153,770	140,314,748	-3,160,978			
3	2021	9	115,770,103	115,201,171	568,933			
4	2021	10	108,825,280	104,068,769	4,756,511			
5	2021	11	107,626,504	111,298,621	-3,672,117			
6	2021	12	129,970,871	117,682,224	12,288,647			
7	2022	1	143,414,433	149,129,672	-5,715,240			
8	2022	2	125,059,508	119,874,078	5,185,431			
9	2022	3	119,362,711	113,169,457	6,193,254			
10	2022	4	100,481,600	101,050,762	-569,163			
11	2022	5	108,491,294	109,659,456	-1,168,162			
12	2022	6	122,227,625	121,290,392	937,233	1,455,420,397	1,440,920,795	14,499,601

VIRGINIA POWER
DERIVATION OF WEATHER NORMALIZATION EFFECT KWH
12 MONTHS ENDED JUNE 30, 2022
FERC
COOPS

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Aug 09 2022

Obs	Year	Month	WEATHER NORMALIZED KWH	ACTUAL KWH	WEATHER EFFECT	TOTAL WEATHER NORMALIZED KWH	TOTAL ACTUAL KWH	TOTAL WEATHER EFFECT KWH
1	2021	7	3,048,250	3,070,000	-21,750			
2	2021	8	3,030,512	3,093,000	-62,488			
3	2021	9	2,806,464	2,786,000	20,464			
4	2021	10	2,685,639	2,509,000	176,639			
5	2021	11	2,702,835	2,810,000	-107,165			
6	2021	12	4,833,531	4,338,000	495,531			
7	2022	1	3,065,694	3,209,000	-143,306			
8	2022	2	4,277,691	4,070,000	207,691			
9	2022	3	3,658,264	3,415,000	243,264			
10	2022	4	1,922,142	1,936,000	-13,858			
11	2022	5	2,503,258	2,523,000	-19,742			
12	2022	6	2,676,702	2,657,000	19,702	37,210,982	36,416,000	794,982

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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.

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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.

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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 2021 - June 2022 12 month Average
Nuclear	$5.93
Coal (1)	$31.51
Heavy Oil	$43.52
Combined Cycle and Combustion Turbine (2)	$40.80
Power Purchases (applic NUG and PJM mkt at 78%)	$54.23

(1) Coal includes wood generation.
(2) CC & CT includes jet oil, light oil, and natural gas generation

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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.

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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.

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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 2021 through December 2021 were filed in Docket No. E-22, Sub 597. The Monthly Base Load Power Plant Performance Reports for the months of January 2022 through June 2022 were filed in Docket No. E-22, Sub 629.

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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.

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R8-55(e)(11)
Schedule 1

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 2022	Expected Net Capacity Factor for 12 Months Ended Jan '24	MDC	Normalized Generation MDC x CF x 8760 Hrs. in Period (3) x (4) x8760	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 6/22	Increase (Decrease) in Nuclear (7) - (8)
North Anna 1	98.2%	99.8%	948	8,284,921	7,323,870	7,323,870		
North Anna 2	91.7%	91.9%	944	7,602,353	6,720,480	6,720,480		
Total North Anna					14,044,350	14,044,350	13,909,680	
Surry 1	101.8%	100.2%	838	7,357,540		7,357,540		
Surry 2	89.3%	87.6%	838	6,433,600		6,433,600		
Total Surry						13,791,140	14,028,806	
Grand Total				29,678,414		27,835,490	27,938,486	**(102,996)**

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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 605	NET MDC MW CURRENT PROCEEDING DOCKET NO. E-22, SUB 644
North Anna 1	948	948
North Anna 2	944	944
Surry 1	838	838
Surry 2	838	838

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DOMINION ENERGY NORTH CAROLINA
DOCKET NO. E-22, SUB 644
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 10.