

Public Service Company of Colorado
Electric Department
Sum of Individual Maximum Demands
12 Months Ended August 31, 2019

Line No.	Rate Class	Loss Factor	Demand at Metered Level kW	Demand at Transmission Output kW	
1					
2	R, RD, RE-TOU, RD-TDR	1.0678	9,170,113	9,791,847	
3	Total Residential		9,170,113	9,791,847	
4					
5					
6	C, NTMR	1.0678	718,468	767,180	
7	Total Small Commercial		718,468	767,180	
8					
9					
10	SG, SGL, SG-CPP, STOU, SPVTOU, SST, S-EV	1.0678	3,879,595	4,142,632	
11	Subtotal C&I Sec		3,879,595	4,142,632	
12					
13	PG, PG-CPP,PST, PTOU, SCS-7	1.0375	822,291	853,127	
14	Subtotal C&I Pri		822,291	853,127	
15					
16	TG, TG-CPP,SCS-8,	1.0000	592,906	592,906	
17	TST	1.0000	24,909	24,909	
18	Subtotal C&I Tran		617,815	617,815	
19					
20	Total Comm & Ind		5,319,701	5,613,574	
21					
22					
23	Street and Area Lighting	1.0678	39,780	42,477	
24	Traffic Signal Lighting	1.0678	2,904	3,101	
25	Total Lighting		42,684	45,578	
26					
27					
28	Total Retail		15,250,966	16,218,179	
29					
30					
31					
32	<u>Total Retail Sales by Delivery Level -- kW</u>				
33					
34	Transmission	1.0000	617,815	617,815	
35	Primary	1.0375	822,291	853,127	
36	Secondary	1.0678	13,810,860	14,747,237	
37					
38	Total Retail		15,250,966	16,218,179	
39					
40	please note: all highlighted green cells are inputs from load research data				

Public Service Company of Colorado
 Electric Department
 Class Coincident Peak - 15 Minute Demand Summary@meter
 12 Months Ended August 31, 2019

checked inputs, logic and calcs.

CustDem 0819-RF1
 3-2-19

Line No.		2018 Sept	2018 Oct	2018 Nov	2018 Dec	2019 Jan	2019 Feb	2019 Mar	2019 Apr	2019 May	2019 June	2019 July	2019 Aug	Annual Class Maximum Demand kW
2	Residential													
3	Res General = R, RD, RE-TOU, RD-TDR	2,782,581	2,601,310	1,843,978	2,015,021	2,246,356	2,034,503	1,635,057	1,818,080	1,767,729	2,857,642	2,932,327	2,814,236	2,932,327
7	Small Commercial													
8	Small Com = C, NTMR	340,497	242,091	238,187	265,936	227,675	250,722	222,383	228,057	276,523	288,558	346,019	325,792	346,019
12	Commercial & Industrial - Delivery Levels Not Combined													
14	C&I-Sec General = SG, SGL, SG-CPP, STOU, SPVTOU, SST, S-EV	2,382,500	2,148,095	1,917,775	1,991,514	1,591,320	1,848,959	1,807,978	1,792,324	2,237,638	2,244,863	2,550,117	2,403,198	2,550,117
16	C&I-Pri General = PG, PG-CPP,PST, PTOU, SCS-7	538,500	533,932	501,415	527,964	466,030	464,938	487,044	490,820	489,961	517,533	530,239	553,964	553,964
18	C&I-Tran General = TG, TG-CPP, TST, SCS-8	391,105	365,872	412,903	366,906	352,161	365,897	364,360	368,350	367,235	395,002	378,584	397,988	412,903

please note: all highlighted green cells are inputs from load research data

Public Service Company of Colorado
 Electric Department
 Coincident Peak Demand Summary
 12 Months Ended August 31, 2019

Target Peaks
for Load Research Classes

CustDem 0819-RF1
 3-2-19

Line No.	Rate Class	Loss Factor	Target Peaks for Load Research Classes												12CP Demand		4CP Demand	
			2018 Sept kW	2018 Oct kW	2018 Nov kW	2018 Dec kW	2019 Jan kW	2019 Feb kW	2019 Mar kW	2019 Apr kW	2019 May kW	2019 Jun kW	2019 Jul kW	2019 Aug kW	12 Month Total kW-Mo	12 Month Average kW	4 Month Total kW-Mo	4 Month Average kW
Total Generation Peak for Allocation																		
3	Generation Peak		5,705,254	4,611,913	4,703,053	5,157,496	4,781,630	4,813,367	4,386,919	4,029,532	4,305,535	5,871,088	6,509,366	6,171,496	61,046,649	5,087,221	24,257,204	6,064,301
4	At Transmission Input Level		5,705,254	4,611,913	4,703,053	5,157,496	4,781,630	4,813,367	4,386,919	4,029,532	4,305,535	5,871,088	6,509,366	6,171,496	61,046,649	5,087,221	24,257,204	6,064,301
5	At Transmission Output Level																	
6	Total 12CP-Gen @ TranOut		5,705,255	4,611,912	4,703,052	5,157,496	4,781,632	4,813,368	4,386,921	4,029,531	4,305,534	5,871,089	6,509,367	6,171,496	61,046,653	5,087,221	24,257,207	6,064,302
7	Check Total		1	(1)	(1)	0	2	1	2	(1)	(1)	1	1	0	4	0	3	1
Coincident Peak Demands - Residential																		
12	Target from Coincident Peak Forecast																	
13	At Transmission Input Level		2,156,147	1,815,806	1,597,722	1,892,567	1,948,797	1,809,971	1,553,582	1,457,017	1,358,785	2,318,430	2,602,930	2,534,790	23,046,544	1,920,545	9,612,298	2,403,074
14	At Transmission Output Level	1.0220	2,109,733	1,776,718	1,563,329	1,851,827	1,906,847	1,771,008	1,520,139	1,425,652	1,329,535	2,268,523	2,546,899	2,480,225	22,550,435	1,879,203	9,405,380	2,351,345
16	Total Residential																	
17	At Transmission Output Level		2,109,733	1,776,718	1,563,329	1,851,827	1,906,847	1,771,008	1,520,139	1,425,652	1,329,535	2,268,523	2,546,899	2,480,225	22,550,435	1,879,203	9,405,380	2,351,345
Load Research Results																		
20	At Metered Level		1,975,775	1,663,905	1,464,065	1,734,245	1,785,772	1,658,558	1,423,618	1,335,130	1,245,116	2,124,483	2,385,184	2,322,743	21,118,594	1,759,883	8,808,185	2,202,046
21	R		1,975,775	1,663,905	1,464,065	1,734,245	1,785,772	1,658,558	1,423,618	1,335,130	1,245,116	2,124,483	2,385,184	2,322,743	21,118,594	1,759,883	8,808,185	2,202,046
22	Total Load Research - Residential		1,975,775	1,663,905	1,464,065	1,734,245	1,785,772	1,658,558	1,423,618	1,335,130	1,245,116	2,124,483	2,385,184	2,322,743	21,118,594	1,759,883	8,808,185	2,202,046
23	At Transmission Output Level																	
25	R	1.0678	2,109,733	1,776,718	1,563,329	1,851,827	1,906,847	1,771,008	1,520,139	1,425,652	1,329,535	2,268,523	2,546,899	2,480,225	22,550,435	1,879,203	9,405,380	2,351,345
26	Total Load Research - Residential		2,109,733	1,776,718	1,563,329	1,851,827	1,906,847	1,771,008	1,520,139	1,425,652	1,329,535	2,268,523	2,546,899	2,480,225	22,550,435	1,879,203	9,405,380	2,351,345
27	Check Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coincident Peak Demands - Other C&I																		
33	Target from Coincident Peak Forecast																	
34	At Transmission Input Level		2,907,204	2,371,702	2,409,864	2,494,911	2,060,416	2,286,545	2,124,554	2,025,321	2,531,745	2,956,212	3,207,609	2,966,117	30,342,198	2,528,516	12,037,141	3,009,285
35	At Transmission Output Level	1.0220	2,844,622	2,320,648	2,357,988	2,441,205	2,016,063	2,237,323	2,078,820	1,981,723	2,477,245	2,892,575	3,138,560	2,902,267	29,689,039	2,474,087	11,778,024	2,944,506
Load Research Results																		
38	At Metered Level		260,142	169,329	192,045	212,319	184,354	199,678	166,496	159,975	201,010	250,427	288,491	256,003	2,540,269	211,689	1,055,063	263,766
39	C, NTMR		260,142	169,329	192,045	212,319	184,354	199,678	166,496	159,975	201,010	250,427	288,491	256,003	2,540,269	211,689	1,055,063	263,766
40	Secondary C&I																	
41	SG, SGL, SG-CPP, STOU, SPVTOU, SST, S-EV		1,924,826	1,543,019	1,587,369	1,630,361	1,322,398	1,503,893	1,385,077	1,304,738	1,687,515	1,990,673	2,173,739	1,965,356	20,018,964	1,668,247	8,054,594	2,013,649
42	Primary C&I																	
43	PG, PG-CPP,PST, PTOU, SCS-7		493,025	474,413	441,376	456,474	392,437	403,133	406,796	402,605	444,027	481,473	490,980	511,133	5,397,872	449,823	1,976,611	494,153
44	Total Load Research - Other C&I		2,677,993	2,186,761	2,220,790	2,299,154	1,899,189	2,106,704	1,958,369	1,867,318	2,332,552	2,722,573	2,953,210	2,732,492	27,957,105	2,329,759	11,086,268	2,771,568
45	At Transmission Output Level																	
47	C, NTMR	1.0678	277,780	180,810	205,066	226,714	196,853	213,216	177,784	170,821	214,638	267,406	308,051	273,360	2,712,499	226,042	1,126,597	281,649
48	SG, SGL, SG-CPP, STOU, SPVTOU, SST, S-EV	1.0678	2,055,329	1,647,636	1,694,993	1,740,899	1,412,057	1,605,857	1,478,985	1,393,199	1,801,929	2,125,641	2,321,119	2,098,607	21,376,251	1,781,354	8,600,696	2,150,174
49	PG, PG-CPP,PST, PTOU, SCS-7	1.0375	511,513	492,203	457,928	473,592	407,153	418,250	422,051	417,703	460,678	499,528	509,392	530,300	5,600,291	466,691	2,050,733	512,683
50	Total Load Research - Other C&I		2,844,622	2,320,649	2,357,987	2,441,205	2,016,063	2,237,323	2,078,820	1,981,723	2,477,245	2,892,575	3,138,562	2,902,267	29,689,041	2,474,087	11,778,026	2,944,506
51	Check Total		0	1	(1)	0	0	0	0	0	0	0	2	0	2	0	2	0

please note: all highlighted green cells are inputs from load research data

Public Service Company of Colorado
 Electric Department
 Coincident Peak Demand Summary
 12 Months Ended August 31, 2019

Generation Peak for Allocation
 kW at Metered Level

CustDem 0819-RF1
 3-2-19

Line No.	Rate Class	Loss Factor	2018-2019 Monthly Peak Demand (kW)												12CP Demand		4CP Demand		Max Demand	
			Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total	Average	Total	Average	Winter	Summer
38																				
39	FERC-44 Burlington	1.0000	5,423	4,547	4,549	4,024	3,806	4,003	4,030	2,747	3,832	6,342	7,661	7,393	58,357	4,863	26,819	6,705		
40																				
41	FERC-45 Center	1.0000	1,922	1,984	3,016	2,645	2,142	2,217	1,957	2,234	1,866	2,025	2,193	1,853	26,054	2,171	7,993	1,998		
42																				
43	FERC-51 Intermountain-Tran	1.0000	295,258	128,658	162,100	221,079	203,536	183,649	198,016	129,310	103,879	273,225	366,607	349,439	2,614,756	217,896	1,284,529	321,132		
44	FERC-51 Intermountain-Pri	1.0375	13	13	14	13	14	14	14	13	0	0	0	0	108	9	13	3		
45	Subtotal		295,271	128,671	162,114	221,092	203,550	183,663	198,030	129,323	103,879	273,225	366,607	349,439	2,614,864	217,905	1,284,542	321,135		
46																				
47	FERC-52 Holy Cross	1.0000	39,367	27,794	122,354	174,733	172,060	135,067	135,799	82,135	26,553	45,311	58,082	51,263	1,070,518	89,210	194,023	48,506		
48																				
49	FERC-53 Grand Valley	1.0000	42,133	30,922	35,108	40,969	41,132	37,594	33,758	28,087	29,077	44,112	50,233	48,155	461,280	38,440	184,633	46,158		
50																				
51	FERC-54 Yampa Valley	1.0000	55,234	47,797	85,219	111,305	104,404	90,417	88,165	62,642	42,699	49,158	53,854	51,731	842,625	70,219	209,977	52,494		
52																				
53																				
54	Total Requirements Wholesale		439,350	241,715	412,360	554,768	527,094	452,961	461,739	307,168	207,906	420,173	538,630	509,834	5,073,698	422,808	1,907,987	476,996		
55																				
56																				
57																				
58																				
59	Total Company		5,404,455	4,364,232	4,463,827	4,895,103	4,540,883	4,567,438	4,167,157	3,821,766	4,076,254	5,556,865	6,162,109	5,844,043	57,864,132	4,822,011	22,967,472	5,741,868		
60																				
61																				
62																				
63																				
64	Total Company Sales by Delivery Level -- kW																			
65																				
66	Transmission	1.0000	747,538	499,111	738,198	820,989	814,626	759,980	743,989	577,442	496,114	707,131	820,900	785,921	8,511,939	709,328	3,061,490	765,372		
67	Primary	1.0375	493,038	474,426	441,390	456,487	392,451	403,147	406,810	402,618	444,027	481,473	490,980	511,133	5,397,980	449,832	1,976,624	494,156		
68	Secondary	1.0678	4,163,879	3,390,695	3,284,239	3,617,627	3,333,806	3,404,311	3,016,358	2,841,706	3,136,113	4,368,261	4,850,229	4,546,989	43,954,213	3,662,851	17,929,358	4,482,340		
69																				
70	Total Company		5,404,455	4,364,232	4,463,827	4,895,103	4,540,883	4,567,438	4,167,157	3,821,766	4,076,254	5,556,865	6,162,109	5,844,043	57,864,132	4,822,011	22,967,472	5,741,868		
71																				

please note: all highlighted green cells are inputs from load research data

