

Part 1 - Appendix 3C
Kansas City Power & Light Reports

Missouri 4 CSR 240-22.030 (7)(A)(7) Reporting Requirements
Load Analysis and Forecasting

The utility shall provide plots for the net system load profiles for the summer peak day and the winter peak day showing the contribution of each major class. The plots shall be provided in the triennial filing for the base year of the forecast and for the fifth, tenth, and twentieth years of the forecast. Plots for all years shall be included in the workpapers supplied at the time of the triennial filing.

Compliance: See Plots 3C-1 through 3C-8 for base-case KCP&L forecast reports designed to comply with section (7)(A)(7) reporting requirements.

Linked Files:

7_Data_Calib.xls

MPS_Fcst.ltm

SJ_Fcst.ltm

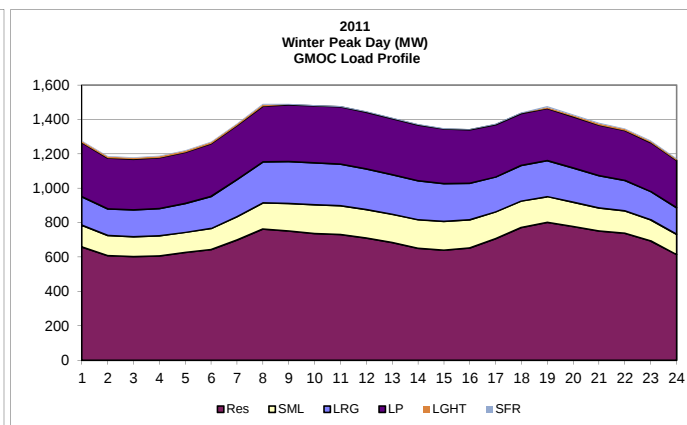
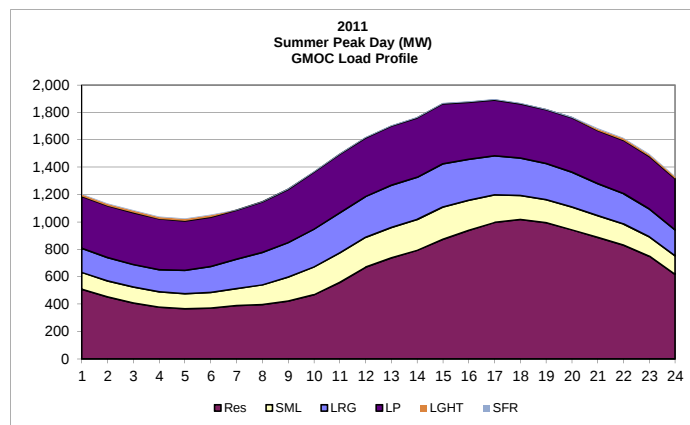
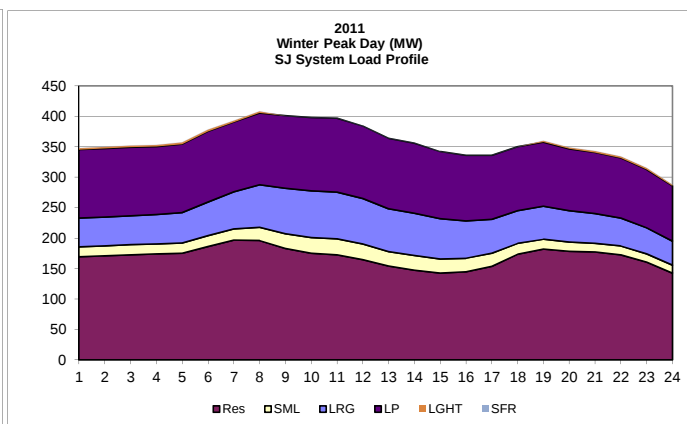
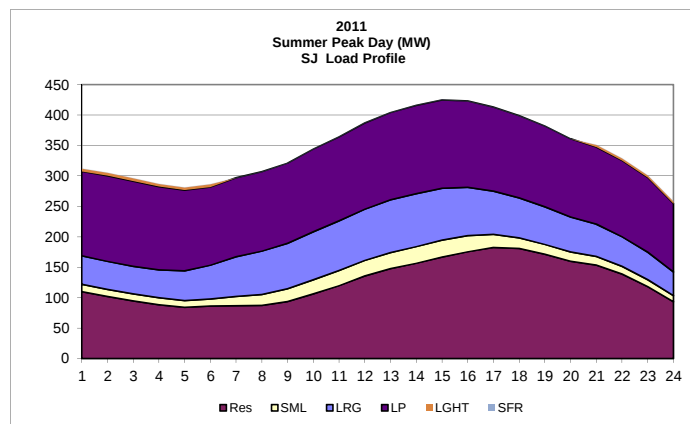
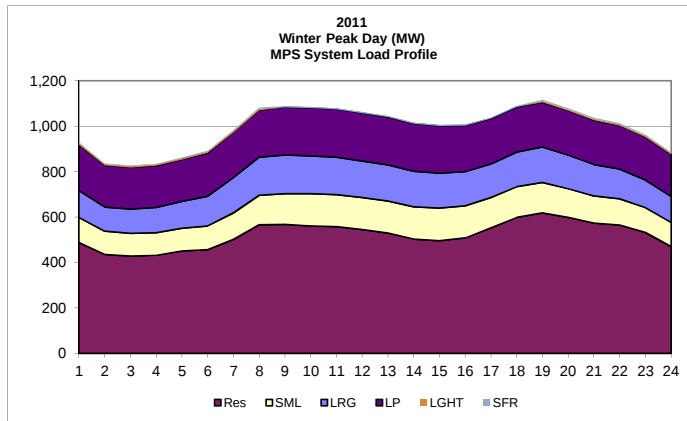
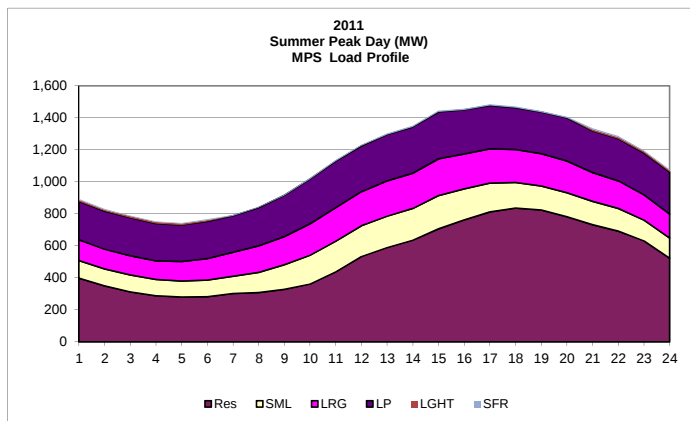
System.ltm

Plot 3C-1 MPS & SJ System Peak Day Loads by Class (Summer 2011)
Summer Peak Day (MW)

		MPS									SJ							GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total
8/1/11	1	399	110	130	239	10	5	893	8/24/11	1	110	12	47	139	4	-	312	509	122	177	378	14	5	1,205
8/1/11	2	351	106	123	237	9	4	831	8/24/11	2	102	12	46	141	5	-	305	453	117	169	378	14	4	1,136
8/1/11	3	314	104	120	238	10	4	790	8/24/11	3	95	11	45	140	5	-	296	408	116	165	378	14	4	1,086
8/1/11	4	289	101	117	233	9	4	753	8/24/11	4	88	11	46	137	5	-	287	377	113	163	370	14	4	1,040
8/1/11	5	281	100	122	228	9	4	744	8/24/11	5	84	11	49	132	4	-	281	365	111	171	361	14	4	1,025
8/1/11	6	284	104	134	232	9	4	767	8/24/11	6	86	11	55	129	4	-	286	370	115	190	360	13	4	1,053
8/1/11	7	302	109	150	228	-	4	793	8/24/11	7	87	15	65	130	-	-	297	389	124	215	358	-	4	1,090
8/1/11	8	309	126	165	239	-	5	844	8/24/11	8	87	18	71	131	-	-	307	396	144	237	369	-	5	1,151
8/1/11	9	328	154	177	257	-	6	922	8/24/11	9	94	21	75	132	-	-	321	422	175	251	389	-	6	1,243
8/1/11	10	362	180	197	280	-	6	1,025	8/24/11	10	106	23	79	136	-	-	344	468	203	275	416	-	6	1,369
8/1/11	11	438	191	210	290	-	7	1,137	8/24/11	11	120	25	81	138	-	-	364	558	216	292	428	-	7	1,501
8/1/11	12	534	193	213	285	-	7	1,232	8/24/11	12	136	25	84	142	-	-	387	669	218	297	427	-	7	1,619
8/1/11	13	590	196	221	289	-	8	1,303	8/24/11	13	148	26	86	143	-	-	404	737	223	307	432	-	8	1,707
8/1/11	14	636	198	221	288	-	8	1,351	8/24/11	14	156	27	87	145	-	-	416	792	226	307	434	-	8	1,767
8/1/11	15	707	208	231	292	-	8	1,445	8/24/11	15	167	28	85	145	-	-	425	874	235	315	438	-	8	1,870
8/1/11	16	763	194	219	275	-	8	1,458	8/24/11	16	175	27	79	142	-	-	423	938	221	298	417	-	8	1,881
8/1/11	17	813	180	214	270	-	8	1,485	8/24/11	17	182	22	71	138	-	-	413	996	202	284	408	-	8	1,898
8/1/11	18	838	158	207	261	-	8	1,471	8/24/11	18	181	17	66	135	-	-	399	1,019	175	273	396	-	8	1,870
8/1/11	19	824	150	203	260	-	7	1,444	8/24/11	19	171	16	62	133	-	-	382	995	166	264	392	-	7	1,826
8/1/11	20	782	151	197	269	-	7	1,407	8/24/11	20	160	15	58	128	-	-	361	942	166	255	398	-	7	1,768
8/1/11	21	733	145	180	260	9	7	1,335	8/24/11	21	154	14	53	126	4	-	351	887	159	233	386	13	7	1,686
8/1/11	22	693	142	173	263	10	7	1,287	8/24/11	22	139	13	49	125	4	-	329	831	154	222	388	13	7	1,616
8/1/11	23	632	130	158	261	10	6	1,197	8/24/11	23	118	12	45	123	4	-	301	750	142	203	383	14	6	1,498
8/1/11	24	524	126	149	262	10	6	1,077	8/24/11	24	93	10	39	112	4	-	258	618	136	188	374	14	6	1,335

Plot 3C-2 MPS & SJ System Peak Day Loads by Class (Winter 2011)
Winter Peak Day (MW)

		MPS									SJ							GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total
12/5/11	1	488	111	118	201	7	4	929	1/13/11	1	169	16	47	113	3	-	348	657	127	165	314	9	4	1,277
12/5/11	2	436	102	106	183	6	4	837	1/13/11	2	171	16	48	113	3	-	350	607	118	154	296	9	4	1,187
12/5/11	3	429	99	108	182	6	4	828	1/13/11	3	173	17	48	112	3	-	352	602	116	155	295	9	4	1,180
12/5/11	4	432	100	111	183	6	4	836	1/13/11	4	174	16	48	112	3	-	353	606	116	160	294	9	4	1,189
12/5/11	5	451	100	118	185	6	4	864	1/13/11	5	175	17	50	112	3	-	357	626	117	168	297	9	4	1,221
12/5/11	6	457	105	131	190	6	5	893	1/13/11	6	186	18	55	116	3	-	378	643	122	187	306	9	5	1,271
12/5/11	7	502	117	156	199	6	5	985	1/13/11	7	196	19	61	115	3	-	393	699	135	216	314	9	5	1,378
12/5/11	8	567	130	168	206	6	6	1,082	1/13/11	8	196	22	70	118	3	-	408	762	152	238	324	9	6	1,490
12/5/11	9	568	135	170	210	-	6	1,089	1/13/11	9	183	24	75	119	-	-	401	751	160	245	329	-	6	1,490
12/5/11	10	561	141	167	210	-	6	1,086	1/13/11	10	175	26	77	121	-	-	398	736	167	244	331	-	6	1,484
12/5/11	11	559	140	165	211	-	6	1,081	1/13/11	11	172	26	77	122	-	-	397	731	167	242	332	-	6	1,478
12/5/11	12	546	140	161	211	-	6	1,063	1/13/11	12	165	26	74	119	-	-	384	710	166	236	330	-	6	1,447
12/5/11	13	530	140	160	210	-	5	1,046	1/13/11	13	154	24	70	116	-	-	364	684	164	230	326	-	5	1,410
12/5/11	14	504	142	156	210	-	5	1,017	1/13/11	14	147	24	70	115	-	-	356	651	166	225	325	-	5	1,373
12/5/11	15	496	144	154	208	-	5	1,007	1/13/11	15	143	23	66	110	-	-	342	639	167	219	318	-	5	1,349
12/5/11	16	508	141	150	203	-	5	1,008	1/13/11	16	144	22	61	108	-	-	336	653	164	212	311	-	5	1,344
12/5/11	17	553	134	147	199	-	5	1,038	1/13/11	17	153	22	56	105	-	-	336	706	156	203	305	-	5	1,374
12/5/11	18	599	135	153	197	-	6	1,090	1/13/11	18	173	18	54	105	-	-	350	772	153	207	302	-	6	1,440
12/5/11	19	619	134	155	197	6	6	1,117	1/13/11	19	182	16	54	105	2	-	360	801	150	210	302	8	6	1,477
12/5/11	20	599	126	148	195	6	6	1,080	1/13/11	20	178	15	51	102	2	-	349	777	142	199	297	8	6	1,429
12/5/11	21	574	120	138	194	6	6	1,038	1/13/11	21	177	15	49	100	2	-	343	751	134	187	294	8	6	1,381
12/5/11	22	565	116	131	191	6	5	1,014	1/13/11	22	173	14	46	99	2	-	334	738	130	177	290	8	5	1,348
12/5/11	23	533	109	122	188	6	5	963	1/13/11	23	161	14	43	96	2	-	315	693	123	165	284	8	5	1,278
12/5/11	24	471	106	115	184	6	4	886	1/13/11	24	142	13	39	91	2	-	288	614	119	154	275	8	4	1,174

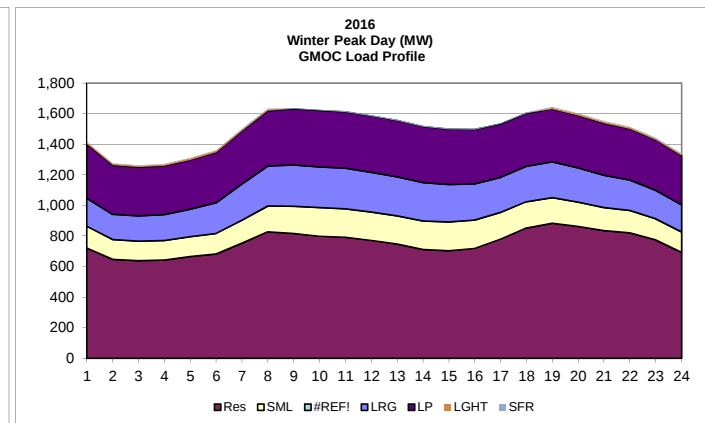
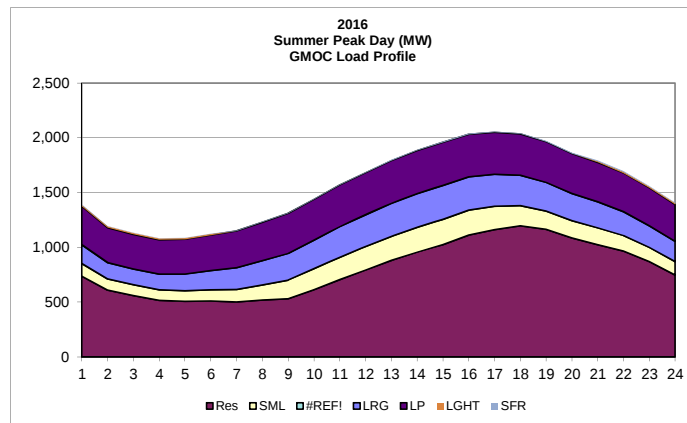
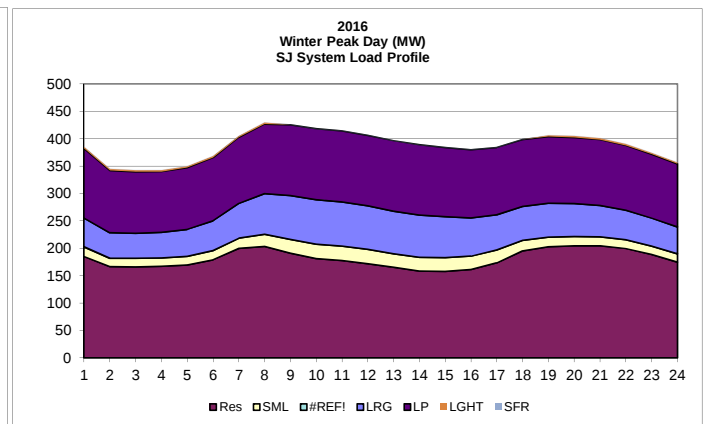
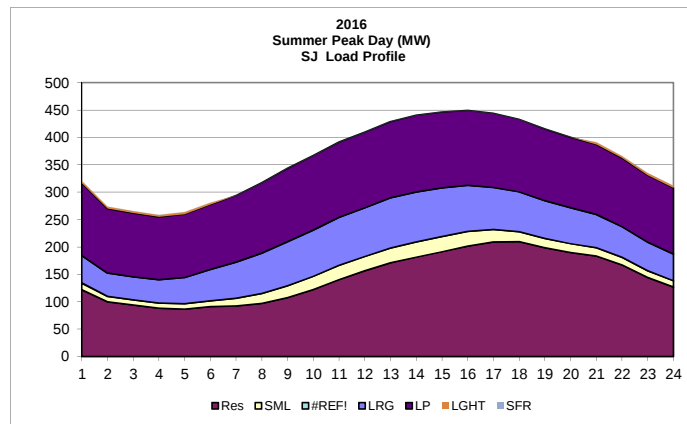
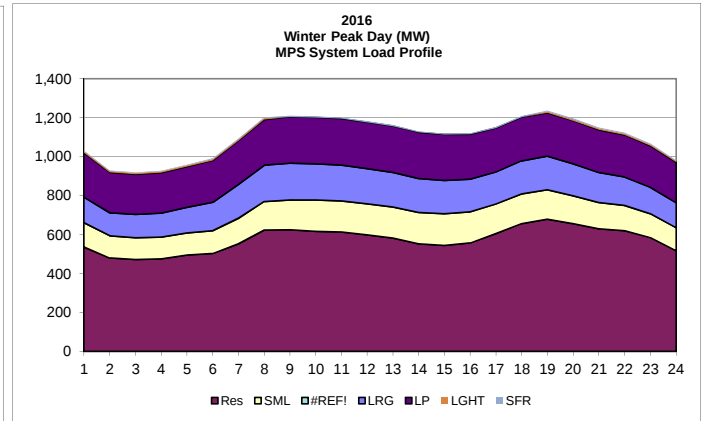
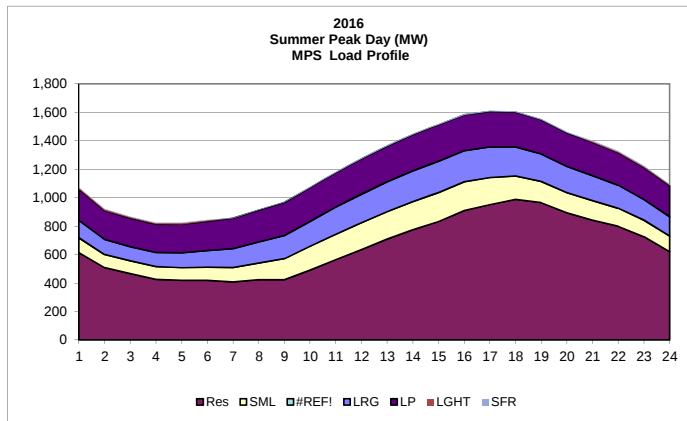


Plot 3C-3 MPS & SJ System Peak Day Loads by Class (Summer 2016)
Summer Peak Day (MW)

		MPS									SJ							GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total
8/15/16	1	614	103	122	219	8	5	1,072	7/21/16	1	122	12	50	132	4	-	320	736	115	172	351	12	5	1,392
8/15/16	2	509	92	107	202	8	4	922	7/21/16	2	100	10	42	118	4	-	274	609	102	149	319	11	4	1,195
8/15/16	3	466	90	100	200	8	4	868	7/21/16	3	94	10	42	117	4	-	265	560	100	142	317	11	4	1,134
8/15/16	4	427	89	98	199	8	4	825	7/21/16	4	88	10	43	114	4	-	259	515	98	141	314	11	4	1,084
8/15/16	5	419	89	105	200	8	4	825	7/21/16	5	87	10	48	116	4	-	264	506	99	152	316	11	4	1,088
8/15/16	6	419	93	116	205	8	4	845	7/21/16	6	91	11	57	118	4	-	281	510	104	173	324	11	4	1,126
8/15/16	7	409	101	132	214	-	5	860	7/21/16	7	92	14	66	122	-	-	294	501	115	197	336	-	5	1,154
8/15/16	8	423	118	148	223	-	5	918	7/21/16	8	97	18	74	128	-	-	317	520	136	222	352	-	5	1,235
8/15/16	9	424	148	162	232	-	6	972	7/21/16	9	108	22	81	134	-	-	344	532	169	243	366	-	6	1,316
8/15/16	10	491	168	174	237	-	6	1,077	7/21/16	10	122	24	84	136	-	-	367	613	192	259	373	-	6	1,443
8/15/16	11	565	179	191	242	-	7	1,184	7/21/16	11	140	26	88	137	-	-	391	705	205	279	380	-	7	1,575
8/15/16	12	635	188	202	246	-	7	1,278	7/21/16	12	156	26	89	138	-	-	409	792	214	291	384	-	7	1,687
8/15/16	13	709	193	210	250	-	7	1,369	7/21/16	13	171	27	91	139	-	-	429	880	220	301	389	-	7	1,798
8/15/16	14	774	198	217	254	-	8	1,451	7/21/16	14	181	28	91	140	-	-	440	956	226	308	394	-	8	1,891
8/15/16	15	832	203	220	255	-	8	1,519	7/21/16	15	191	28	89	138	-	-	446	1,024	231	309	394	-	8	1,966
8/15/16	16	909	203	218	252	-	8	1,590	7/21/16	16	201	27	84	137	-	-	449	1,111	230	302	389	-	8	2,039
8/15/16	17	951	191	214	249	-	8	1,614	7/21/16	17	209	22	77	135	-	-	444	1,161	214	291	384	-	8	2,058
8/15/16	18	988	165	205	244	-	8	1,609	7/21/16	18	210	18	73	133	-	-	433	1,198	183	277	376	-	8	2,043
8/15/16	19	965	150	193	240	-	7	1,555	7/21/16	19	199	17	69	131	-	-	415	1,164	167	261	371	-	7	1,970
8/15/16	20	895	141	184	236	-	7	1,462	7/21/16	20	190	16	66	129	-	-	400	1,084	158	249	364	-	7	1,863
8/15/16	21	841	137	177	232	8	7	1,402	7/21/16	21	183	15	61	128	4	-	391	1,025	153	238	360	11	7	1,793
8/15/16	22	799	128	162	228	8	7	1,330	7/21/16	22	167	14	56	125	4	-	366	966	141	218	353	11	7	1,696
8/15/16	23	726	116	146	224	8	6	1,225	7/21/16	23	144	13	52	122	4	-	335	870	129	198	346	11	6	1,560
8/15/16	24	620	110	136	217	8	5	1,097	7/21/16	24	127	12	49	121	4	-	312	747	122	185	337	11	5	1,408

Plot 3C-4 MPS & SJ System Peak Day Loads by Class (Winter 2016)
Winter Peak Day (MW)

		MPS									SJ							GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total
12/5/16	1	536	124	131	228	7	4	1,030	1/19/16	1	185	17	52	127	3	-	384	721	141	183	355	10	4	1,415
12/5/16	2	480	114	118	208	6	4	930	1/19/16	2	166	15	47	114	3	-	345	646	130	164	321	9	4	1,275
12/5/16	3	472	112	119	207	6	4	920	1/19/16	3	166	15	46	112	3	-	342	638	127	165	319	9	4	1,263
12/5/16	4	476	112	123	207	6	4	928	1/19/16	4	167	15	47	111	3	-	343	642	127	170	318	9	4	1,271
12/5/16	5	496	113	131	209	6	4	960	1/19/16	5	169	16	49	113	3	-	350	665	128	180	322	9	4	1,310
12/5/16	6	503	118	146	215	6	5	993	1/19/16	6	179	17	55	115	3	-	368	682	134	200	331	9	5	1,361
12/5/16	7	553	131	173	226	6	5	1,095	1/19/16	7	200	18	64	121	3	-	405	753	150	237	347	9	5	1,500
12/5/16	8	624	146	187	234	6	6	1,203	1/19/16	8	203	22	74	127	3	-	429	827	168	261	361	9	6	1,632
12/5/16	9	625	154	189	237	-	6	1,210	1/19/16	9	191	25	80	129	-	-	425	816	178	269	367	-	6	1,636
12/5/16	10	617	160	186	238	-	6	1,207	1/19/16	10	181	26	81	129	-	-	418	798	187	268	368	-	6	1,625
12/5/16	11	613	159	184	239	-	6	1,202	1/19/16	11	177	26	81	130	-	-	414	791	186	265	368	-	6	1,616
12/5/16	12	599	159	180	239	-	6	1,183	1/19/16	12	172	26	80	129	-	-	406	771	185	260	367	-	6	1,589
12/5/16	13	582	160	178	238	-	6	1,163	1/19/16	13	165	25	78	129	-	-	396	747	184	256	367	-	6	1,559
12/5/16	14	552	161	174	238	-	6	1,131	1/19/16	14	158	25	77	128	-	-	389	711	186	251	366	-	6	1,520
12/5/16	15	544	163	171	235	-	5	1,120	1/19/16	15	158	25	75	126	-	-	384	702	188	246	362	-	5	1,503
12/5/16	16	557	160	168	230	-	5	1,121	1/19/16	16	161	24	70	124	-	-	380	718	185	238	355	-	5	1,500
12/5/16	17	606	152	164	226	-	5	1,153	1/19/16	17	173	24	64	123	-	-	384	779	175	228	349	-	5	1,537
12/5/16	18	657	152	170	224	-	6	1,209	1/19/16	18	195	19	62	122	-	-	399	852	172	232	346	-	6	1,607
12/5/16	19	680	150	172	223	6	6	1,238	1/19/16	19	203	17	62	122	3	-	406	883	168	234	344	9	6	1,644
12/5/16	20	657	142	164	222	6	6	1,198	1/19/16	20	204	17	60	121	3	-	405	861	159	224	342	9	6	1,602
12/5/16	21	630	135	153	220	6	6	1,150	1/19/16	21	205	16	57	120	3	-	401	834	152	211	340	9	6	1,551
12/5/16	22	620	130	145	217	6	6	1,124	1/19/16	22	199	16	54	118	3	-	390	819	146	199	335	9	6	1,514
12/5/16	23	585	123	135	213	6	5	1,067	1/19/16	23	189	15	51	117	3	-	374	773	139	186	330	9	5	1,442
12/5/16	24	517	119	127	208	6	5	983	1/19/16	24	174	16	49	115	3	-	357	692	135	176	324	9	5	1,340

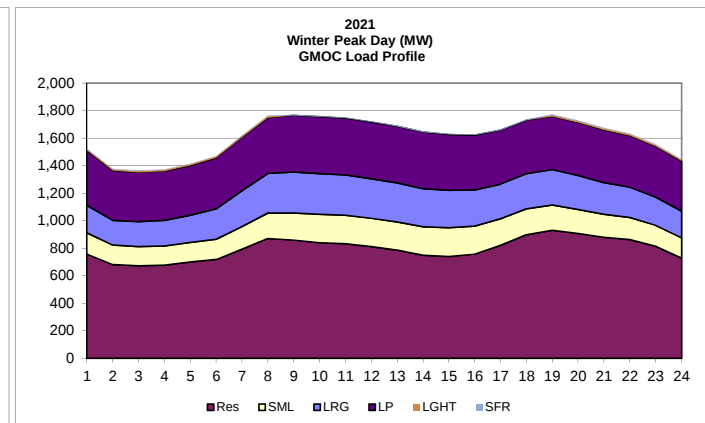
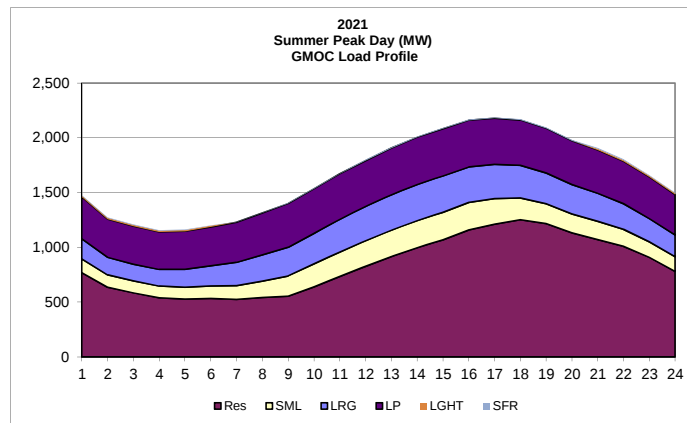
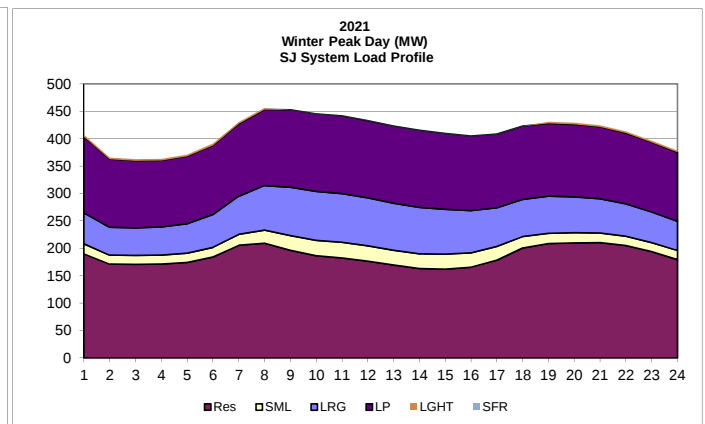
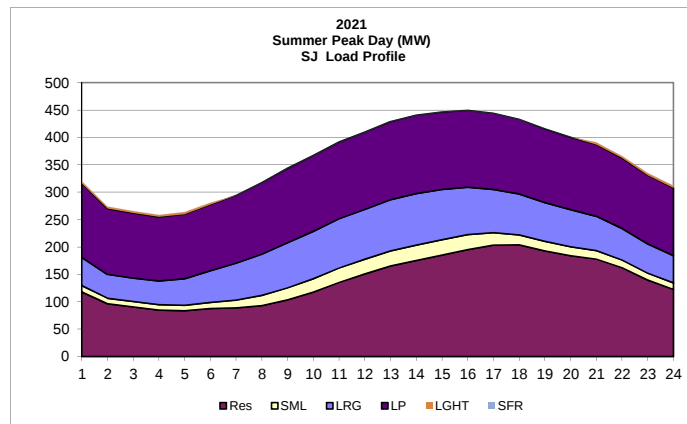
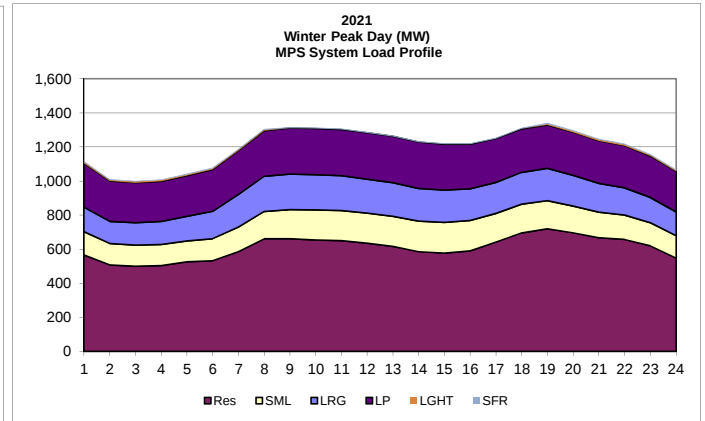
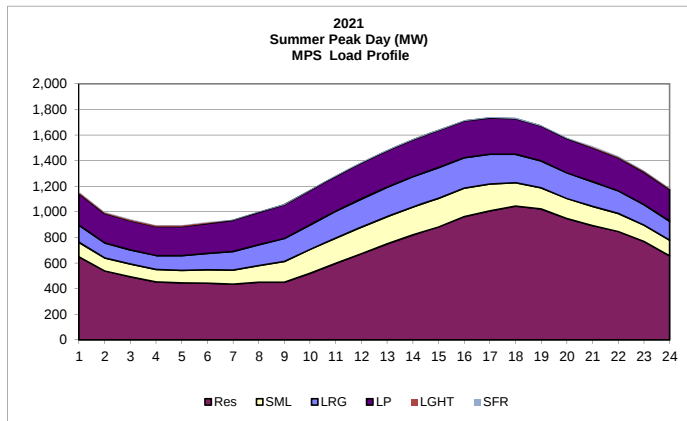


Plot 3C-5 MPS & SJ System Peak Day Loads by Class (Summer 2021)
Summer Peak Day (MW)

		MPS									SJ							GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total
8/15/16	1	650	114	134	248	8	6	1,159	7/21/16	1	118	12	51	135	4	-	320	768	126	185	383	13	6	1,480
8/15/16	2	540	102	117	229	8	5	1,001	7/21/16	2	96	10	43	120	4	-	274	636	112	161	349	12	5	1,275
8/15/16	3	494	100	110	227	8	5	944	7/21/16	3	91	10	43	119	4	-	265	585	109	153	346	12	5	1,209
8/15/16	4	453	98	108	226	8	5	898	7/21/16	4	85	10	44	117	4	-	259	538	108	152	343	12	5	1,157
8/15/16	5	445	98	115	227	8	5	898	7/21/16	5	83	10	49	118	4	-	264	529	108	164	345	12	5	1,162
8/15/16	6	444	103	128	233	8	5	921	7/21/16	6	88	11	58	121	4	-	281	532	114	186	353	12	5	1,202
8/15/16	7	435	112	145	243	-	5	939	7/21/16	7	89	15	67	124	-	-	294	524	126	213	366	-	5	1,233
8/15/16	8	450	130	163	253	-	5	1,002	7/21/16	8	93	18	75	130	-	-	317	543	149	239	384	-	5	1,319
8/15/16	9	450	163	179	264	-	5	1,061	7/21/16	9	103	22	82	136	-	-	344	554	185	261	399	-	5	1,405
8/15/16	10	521	186	191	269	-	6	1,173	7/21/16	10	118	24	86	138	-	-	367	639	210	278	407	-	6	1,540
8/15/16	11	599	197	209	275	-	6	1,287	7/21/16	11	135	26	90	140	-	-	391	735	223	299	415	-	6	1,678
8/15/16	12	674	207	221	279	-	7	1,387	7/21/16	12	151	27	91	141	-	-	409	825	233	312	420	-	7	1,796
8/15/16	13	751	213	229	283	-	7	1,484	7/21/16	13	165	27	94	142	-	-	429	917	240	323	426	-	7	1,913
8/15/16	14	821	217	237	288	-	7	1,571	7/21/16	14	175	28	94	143	-	-	440	996	246	330	432	-	7	2,011
8/15/16	15	882	223	240	290	-	7	1,643	7/21/16	15	185	28	91	142	-	-	446	1,067	251	332	431	-	7	2,089
8/15/16	16	964	223	237	286	-	8	1,718	7/21/16	16	195	27	86	140	-	-	449	1,159	250	324	426	-	8	2,167
8/15/16	17	1,008	210	233	283	-	8	1,742	7/21/16	17	203	23	79	139	-	-	444	1,211	233	312	421	-	8	2,186
8/15/16	18	1,047	181	223	276	-	8	1,736	7/21/16	18	204	19	75	136	-	-	433	1,251	200	298	413	-	8	2,169
8/15/16	19	1,023	165	210	272	-	8	1,678	7/21/16	19	193	17	71	134	-	-	415	1,216	182	281	406	-	8	2,093
8/15/16	20	949	156	200	267	-	8	1,579	7/21/16	20	184	17	67	132	-	-	400	1,133	172	268	399	-	8	1,980
8/15/16	21	893	151	193	263	8	8	1,516	7/21/16	21	178	16	63	131	4	-	391	1,070	167	255	395	12	8	1,907
8/15/16	22	847	141	177	258	8	7	1,438	7/21/16	22	162	14	58	129	4	-	366	1,009	155	234	387	12	7	1,804
8/15/16	23	770	128	159	254	8	5	1,324	7/21/16	23	139	13	53	125	4	-	335	909	141	213	379	12	5	1,659
8/15/16	24	658	122	149	246	8	6	1,188	7/21/16	24	122	12	50	124	4	-	312	780	133	199	369	12	6	1,499

Plot 3C-6 MPS & SJ System Peak Day Loads by Class (Winter 2021)
Winter Peak Day (MW)

		MPS									SJ									GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total		
12/26/21	1	566	136	144	258	7	5	1,118	1/19/16	1	190	18	57	139	3	-	407	756	155	200	397	11	5	1,524		
12/26/21	2	509	126	130	236	7	5	1,012	1/19/16	2	171	16	51	124	3	-	365	680	142	180	361	10	5	1,377		
12/26/21	3	501	123	131	235	7	5	1,002	1/19/16	3	171	16	50	123	3	-	363	671	139	181	358	10	5	1,364		
12/26/21	4	504	123	136	236	7	5	1,010	1/19/16	4	171	16	51	121	3	-	363	676	140	187	357	10	5	1,373		
12/26/21	5	526	124	144	238	7	5	1,044	1/19/16	5	174	17	54	123	3	-	371	700	141	198	361	10	5	1,415		
12/26/21	6	533	129	161	245	7	5	1,080	1/19/16	6	184	18	60	126	3	-	391	717	147	221	371	10	5	1,470		
12/26/21	7	586	144	191	257	7	5	1,190	1/19/16	7	205	20	70	132	3	-	430	792	164	261	389	10	5	1,620		
12/26/21	8	661	161	206	266	7	5	1,307	1/19/16	8	209	24	82	139	3	-	456	870	185	288	405	10	5	1,763		
12/26/21	9	662	170	209	270	-	5	1,317	1/19/16	9	196	27	88	141	-	-	453	859	197	297	411	-	5	1,769		
12/26/21	10	654	178	206	271	-	6	1,314	1/19/16	10	186	28	90	142	-	-	445	840	206	295	413	-	6	1,760		
12/26/21	11	650	177	204	272	-	6	1,309	1/19/16	11	182	29	89	142	-	-	441	832	206	293	414	-	6	1,750		
12/26/21	12	635	177	199	272	-	6	1,289	1/19/16	12	176	28	88	141	-	-	433	811	205	287	412	-	6	1,722		
12/26/21	13	617	177	197	271	-	6	1,268	1/19/16	13	170	27	85	141	-	-	423	786	204	282	412	-	6	1,691		
12/26/21	14	586	179	193	271	-	6	1,234	1/19/16	14	163	27	85	140	-	-	415	748	206	277	411	-	6	1,649		
12/26/21	15	577	181	190	268	-	6	1,221	1/19/16	15	162	27	82	138	-	-	409	739	208	272	406	-	6	1,631		
12/26/21	16	591	178	186	262	-	6	1,222	1/19/16	16	166	26	77	136	-	-	405	756	204	262	398	-	6	1,626		
12/26/21	17	642	168	181	257	-	6	1,254	1/19/16	17	178	25	70	135	-	-	408	820	193	252	392	-	6	1,663		
12/26/21	18	696	168	187	255	-	6	1,312	1/19/16	18	200	21	68	134	-	-	423	897	188	255	388	-	6	1,735		
12/26/21	19	721	165	189	254	7	6	1,342	1/19/16	19	208	19	68	133	3	-	431	929	184	257	387	10	6	1,773		
12/26/21	20	696	157	181	252	7	6	1,299	1/19/16	20	210	18	66	132	3	-	429	906	175	246	384	10	6	1,728		
12/26/21	21	668	149	169	250	7	6	1,249	1/19/16	21	210	17	63	131	3	-	425	878	167	232	381	10	6	1,674		
12/26/21	22	657	144	160	247	7	6	1,220	1/19/16	22	205	17	59	129	3	-	413	862	161	219	376	10	6	1,633		
12/26/21	23	620	136	149	242	7	6	1,159	1/19/16	23	194	17	56	128	3	-	396	814	152	205	370	10	6	1,556		
12/26/21	24	548	131	140	237	7	5	1,069	1/19/16	24	179	17	53	126	3	-	378	727	148	194	363	10	5	1,447		



Plot 3C-7 MPS & SJ System Peak Day Loads by Class (Summer 2031)
Summer Peak Day (MW)

		MPS									SJ							GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total
8/15/16	1	745	135	169	329	9	6	1,392	7/21/16	1	135	14	64	169	4	-	387	880	149	232	498	14	6	1,778
8/15/16	2	623	122	149	306	9	5	1,213	7/21/16	2	112	13	55	152	4	-	336	735	134	204	458	13	5	1,549
8/15/16	3	571	119	141	303	9	5	1,146	7/21/16	3	105	12	54	150	4	-	326	676	131	195	454	13	5	1,473
8/15/16	4	524	117	139	302	9	4	1,095	7/21/16	4	99	12	55	148	4	-	318	623	129	194	450	13	4	1,413
8/15/16	5	515	117	148	303	9	5	1,096	7/21/16	5	97	13	62	150	4	-	325	612	130	210	453	13	5	1,422
8/15/16	6	514	123	165	311	9	5	1,126	7/21/16	6	103	14	74	153	4	-	348	617	137	239	464	13	5	1,474
8/15/16	7	505	134	188	324	-	5	1,155	7/21/16	7	104	18	86	158	-	-	366	609	152	274	482	-	5	1,521
8/15/16	8	522	156	210	338	-	5	1,232	7/21/16	8	109	23	97	166	-	-	395	631	179	307	504	-	5	1,627
8/15/16	9	522	195	229	352	-	6	1,303	7/21/16	9	121	27	105	173	-	-	426	643	222	334	525	-	6	1,729
8/15/16	10	603	220	244	359	-	6	1,433	7/21/16	10	137	30	110	175	-	-	453	740	251	354	534	-	6	1,886
8/15/16	11	693	233	265	367	-	7	1,565	7/21/16	11	157	32	114	177	-	-	481	850	266	380	544	-	7	2,046
8/15/16	12	778	244	279	372	-	7	1,681	7/21/16	12	175	33	116	178	-	-	501	953	277	394	550	-	7	2,181
8/15/16	13	867	251	289	378	-	8	1,793	7/21/16	13	191	33	119	179	-	-	522	1,058	284	408	557	-	8	2,315
8/15/16	14	946	256	298	385	-	8	1,893	7/21/16	14	202	34	119	180	-	-	535	1,149	291	416	565	-	8	2,428
8/15/16	15	1,017	263	302	387	-	8	1,976	7/21/16	15	213	34	115	178	-	-	541	1,230	297	417	565	-	8	2,517
8/15/16	16	1,111	262	298	382	-	8	2,060	7/21/16	16	225	33	109	176	-	-	542	1,335	295	406	558	-	8	2,603
8/15/16	17	1,163	246	292	377	-	8	2,086	7/21/16	17	234	28	99	174	-	-	534	1,396	274	392	551	-	8	2,621
8/15/16	18	1,208	213	280	369	-	8	2,077	7/21/16	18	234	22	94	171	-	-	521	1,442	236	374	540	-	8	2,599
8/15/16	19	1,181	194	264	363	-	7	2,009	7/21/16	19	222	21	89	169	-	-	501	1,403	215	353	532	-	7	2,510
8/15/16	20	1,095	184	252	357	-	7	1,895	7/21/16	20	212	20	85	166	-	-	483	1,307	204	337	522	-	7	2,378
8/15/16	21	1,031	179	242	352	9	7	1,820	7/21/16	21	205	19	79	165	4	-	472	1,236	198	321	516	13	7	2,291
8/15/16	22	979	166	222	345	9	7	1,727	7/21/16	22	187	17	73	161	4	-	442	1,166	183	295	506	13	7	2,170
8/15/16	23	889	152	201	339	9	6	1,595	7/21/16	23	161	16	67	158	4	-	406	1,050	167	268	497	13	6	2,001
8/15/16	24	760	144	188	328	9	5	1,433	7/21/16	24	142	15	63	156	4	-	379	901	159	251	484	13	5	1,812

Plot 3C-8 MPS & SJ System Peak Day Loads by Class (Winter 2031)
Winter Peak Day (MW)

		MPS									SJ							GMOC						
Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Date	Hr	Res	SML	LRG	LP	LGHT	SFR	Total	Res	SML	LRG	LP	LGHT	SFR	Total
12/26/21	1	643	161	183	344	8	5	1,343	1/19/16	1	202	20	67	165	3	-	458	845	181	250	509	11	5	1,801
12/26/21	2	582	149	166	318	7	5	1,227	1/19/16	2	184	19	60	149	3	-	414	766	167	227	466	10	5	1,641
12/26/21	3	573	146	168	316	7	4	1,215	1/19/16	3	183	19	60	147	3	-	411	756	164	228	463	10	4	1,626
12/26/21	4	577	146	173	317	7	4	1,225	1/19/16	4	184	18	61	145	3	-	412	761	165	234	462	10	4	1,637
12/26/21	5	601	147	185	320	7	5	1,266	1/19/16	5	187	19	64	147	3	-	421	789	166	250	468	10	5	1,687
12/26/21	6	610	153	206	329	7	5	1,311	1/19/16	6	198	20	72	151	3	-	444	808	174	278	480	10	5	1,756
12/26/21	7	671	172	245	346	7	6	1,446	1/19/16	7	221	23	85	158	3	-	489	891	194	330	504	10	6	1,935
12/26/21	8	756	192	265	358	7	6	1,585	1/19/16	8	225	28	99	166	3	-	520	981	220	364	524	10	6	2,105
12/26/21	9	758	205	268	363	-	6	1,601	1/19/16	9	211	31	106	169	-	-	517	969	236	375	532	-	6	2,118
12/26/21	10	749	215	265	364	-	6	1,600	1/19/16	10	200	33	108	169	-	-	510	949	247	373	534	-	6	2,110
12/26/21	11	745	214	263	365	-	6	1,595	1/19/16	11	196	33	108	170	-	-	506	941	247	371	535	-	6	2,101
12/26/21	12	728	214	257	365	-	6	1,571	1/19/16	12	190	33	106	168	-	-	497	918	247	364	533	-	6	2,068
12/26/21	13	708	215	255	364	-	6	1,547	1/19/16	13	182	31	104	168	-	-	485	890	246	358	533	-	6	2,033
12/26/21	14	672	216	249	364	-	6	1,508	1/19/16	14	175	31	103	168	-	-	477	847	248	352	532	-	6	1,985
12/26/21	15	662	219	246	360	-	6	1,493	1/19/16	15	174	31	99	165	-	-	470	836	250	345	526	-	6	1,963
12/26/21	16	678	215	240	352	-	6	1,490	1/19/16	16	178	30	93	163	-	-	464	856	245	332	515	-	6	1,954
12/26/21	17	737	202	234	345	-	6	1,524	1/19/16	17	192	29	85	161	-	-	466	929	231	319	506	-	6	1,990
12/26/21	18	799	199	240	342	-	6	1,586	1/19/16	18	216	24	82	160	-	-	481	1,014	223	322	502	-	6	2,067
12/26/21	19	826	196	242	341	7	6	1,619	1/19/16	19	224	21	81	159	3	-	489	1,051	217	323	500	10	6	2,108
12/26/21	20	799	187	232	339	7	6	1,569	1/19/16	20	226	21	79	158	3	-	487	1,025	208	310	497	10	6	2,056
12/26/21	21	766	178	217	336	7	6	1,511	1/19/16	21	226	20	75	157	3	-	482	992	198	292	493	10	6	1,992
12/26/21	22	754	171	205	331	7	6	1,475	1/19/16	22	221	20	71	154	3	-	468	975	191	276	486	10	6	1,943
12/26/21	23	711	161	191	326	7	5	1,402	1/19/16	23	208	19	67	153	3	-	449	919	180	258	479	10	5	1,851
12/26/21	24	629	156	180	319	7	5	1,295	1/19/16	24	193	19	64	151	3	-	429	821	175	244	470	10	5	1,724

