

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

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

For the net system load profiles, the utility shall provide plots for the summer peak day and the winter peak day.

The plots shall show each of the major class components of the net system load profile in a cumulative manner.

The plots shall be provided for the base year of the load forecast and for the fifth, tenth, and twentieth years of the forecast.

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:

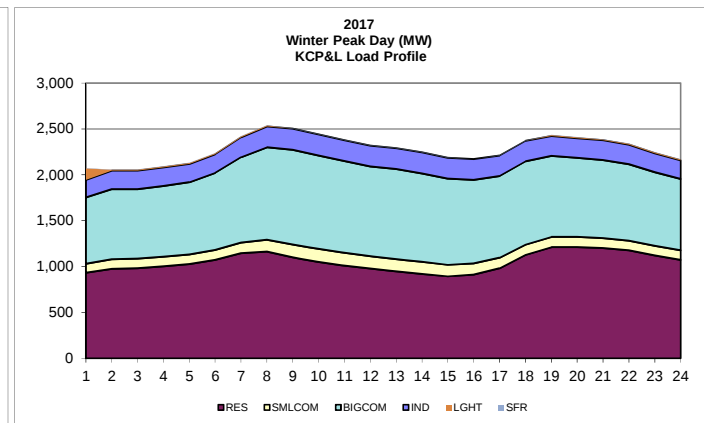
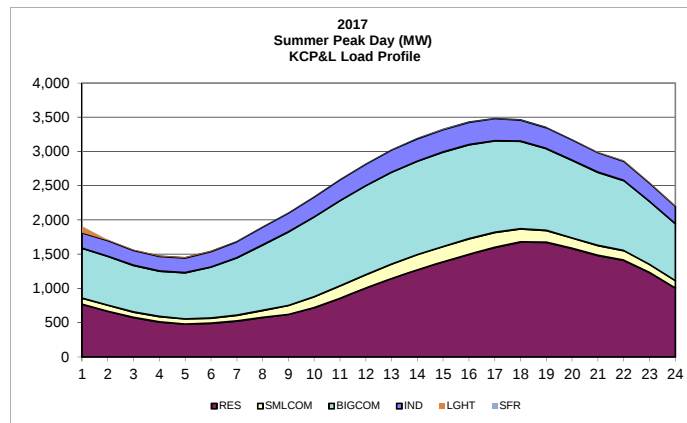
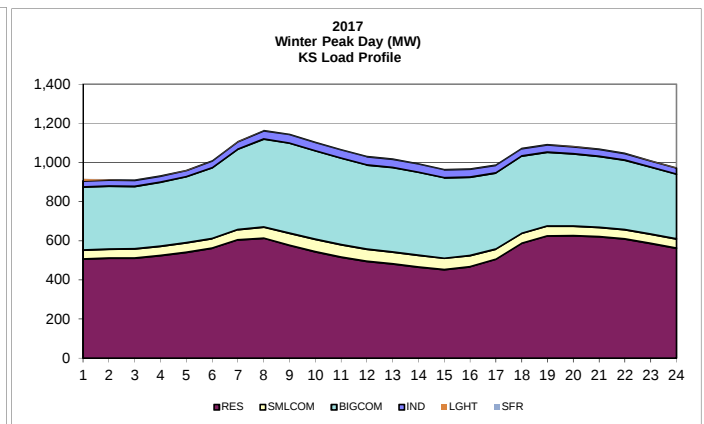
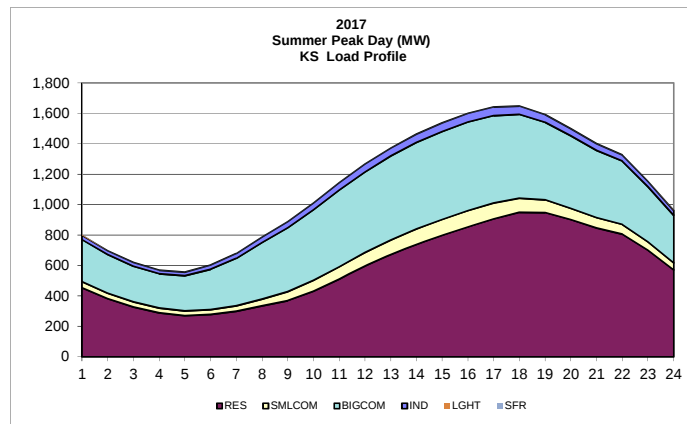
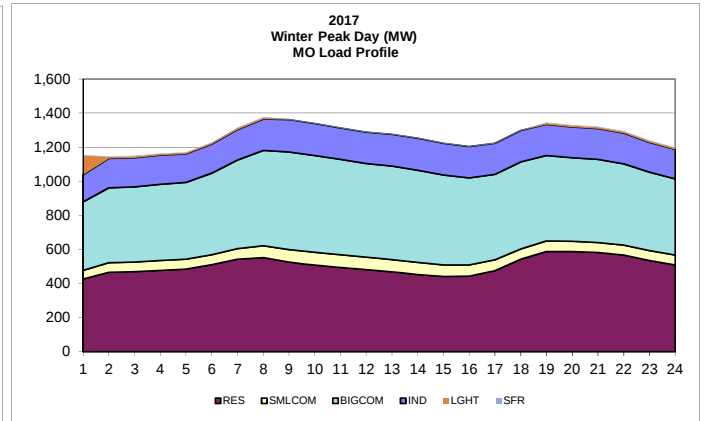
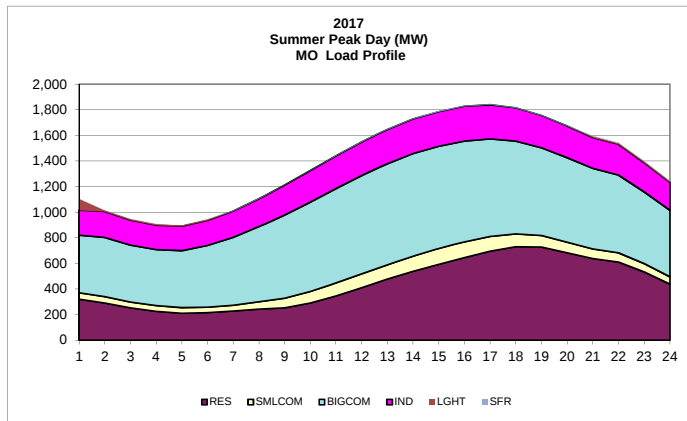
7_Data_Calib.xls
MO_SystemLoad.ltm
KC_SystemLoad.ltm
SysShape.ltm

Plot 3C-1 KCP&L System Peak Day Loads by Class (Summer 2017)
Summer Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
8/15/14	1	320	48	452	194	91	3	1,108	453	41	278	28	6	-	805	773	89	730	221	97	3	1,913
8/15/14	2	290	48	465	201	10	3	1,017	382	36	254	25	1	-	698	672	85	719	226	10	3	1,715
8/15/14	3	251	46	446	195	9	3	950	327	33	235	24	1	-	619	578	79	681	218	10	3	1,569
8/15/14	4	224	45	439	190	9	2	910	289	31	226	23	1	-	570	513	76	665	213	10	2	1,479
8/15/14	5	210	44	445	190	9	3	901	271	31	231	23	1	-	557	481	75	676	214	10	3	1,457
8/15/14	6	213	45	481	196	9	3	948	278	32	265	26	1	-	602	491	77	746	223	10	3	1,550
8/15/14	7	226	46	530	206	-	3	1,011	300	35	311	31	-	-	677	526	82	841	237	-	3	1,689
8/15/14	8	242	57	588	218	-	3	1,108	336	44	372	37	-	-	788	578	101	960	255	-	3	1,897
8/15/14	9	253	75	651	233	-	4	1,215	369	58	421	41	-	-	890	622	133	1,072	275	-	4	2,105
8/15/14	10	290	89	698	245	-	4	1,325	430	71	464	45	-	-	1,011	721	160	1,162	290	-	4	2,336
8/15/14	11	345	100	740	255	-	4	1,444	511	82	504	49	-	-	1,146	855	182	1,244	304	-	4	2,590
8/15/14	12	410	109	767	262	-	5	1,553	595	90	530	52	-	-	1,266	1,004	199	1,298	314	-	5	2,819
8/15/14	13	476	113	789	269	-	5	1,651	673	95	552	54	-	-	1,373	1,149	208	1,340	322	-	5	3,024
8/15/14	14	538	118	800	272	-	5	1,733	739	101	567	55	-	-	1,463	1,278	218	1,367	327	-	5	3,196
8/15/14	15	593	121	800	272	-	5	1,791	796	105	578	56	-	-	1,536	1,389	226	1,378	329	-	5	3,327
8/15/14	16	645	121	789	271	-	5	1,832	853	108	582	57	-	-	1,600	1,498	229	1,371	328	-	5	3,431
8/15/14	17	694	116	763	266	-	5	1,844	906	105	574	56	-	-	1,641	1,600	221	1,337	322	-	5	3,485
8/15/14	18	730	100	726	259	-	5	1,819	949	94	552	54	-	-	1,648	1,679	193	1,277	312	-	5	3,467
8/15/14	19	726	90	687	252	-	5	1,760	948	83	510	50	-	-	1,591	1,674	173	1,197	302	-	5	3,351
8/15/14	20	683	82	660	247	-	5	1,676	901	74	477	46	-	-	1,499	1,584	156	1,137	293	-	5	3,175
8/15/14	21	638	76	628	241	10	5	1,597	846	67	442	43	1	-	1,399	1,484	143	1,070	284	11	5	2,997
8/15/14	22	609	74	608	240	11	5	1,545	806	63	416	41	1	-	1,327	1,415	137	1,024	281	11	5	2,872
8/15/14	23	532	65	559	229	10	4	1,399	701	55	361	36	1	-	1,154	1,233	120	920	264	11	4	2,553
8/15/14	24	436	59	520	218	10	4	1,247	571	47	313	31	1	-	964	1,007	106	833	249	11	4	2,211

Plot 3C-2 KCP&L System Peak Day Loads by Class (Winter 2017)
Winter Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
1/19/14	1	426	51	403	159	114	3	1,155	507	46	322	31	12	-	917	933	96	725	189	126	3	2,073
1/19/14	2	465	56	440	172	9	3	1,146	511	46	322	31	1	-	911	976	102	763	203	10	3	2,058
1/19/14	3	469	57	441	172	9	3	1,150	512	47	320	30	1	-	909	981	103	760	202	10	3	2,060
1/19/14	4	477	58	446	171	9	3	1,164	524	48	327	31	1	-	930	1,001	105	773	202	10	3	2,095
1/19/14	5	484	58	451	168	9	3	1,173	541	48	337	32	1	-	959	1,025	106	788	200	10	3	2,132
1/19/14	6	510	59	479	170	9	4	1,231	562	48	362	34	1	-	1,007	1,072	107	841	204	10	4	2,238
1/19/14	7	542	62	521	178	9	4	1,316	604	52	411	39	1	-	1,107	1,146	114	932	217	9	4	2,422
1/19/14	8	551	70	560	184	9	4	1,378	612	57	450	42	1	-	1,163	1,163	127	1,010	227	9	4	2,540
1/19/14	9	525	75	573	188	-	4	1,365	576	63	460	43	-	-	1,143	1,101	138	1,033	232	-	4	2,507
1/19/14	10	508	76	568	187	-	4	1,343	544	65	450	43	-	-	1,101	1,051	141	1,018	230	-	4	2,444
1/19/14	11	493	76	559	185	-	4	1,317	516	64	441	42	-	-	1,063	1,009	139	1,000	228	-	4	2,380
1/19/14	12	480	73	551	185	-	4	1,292	495	62	431	42	-	-	1,029	974	135	982	226	-	4	2,322
1/19/14	13	469	71	548	187	-	4	1,278	482	60	432	42	-	-	1,016	951	131	980	229	-	4	2,295
1/19/14	14	453	71	541	187	-	3	1,255	465	61	424	42	-	-	991	918	132	965	229	-	3	2,247
1/19/14	15	441	68	528	186	-	3	1,225	452	58	411	41	-	-	962	893	127	938	226	-	3	2,188
1/19/14	16	444	66	511	184	-	3	1,207	468	57	401	40	-	-	965	911	122	912	224	-	3	2,173
1/19/14	17	476	62	503	183	-	3	1,226	505	53	389	39	-	-	985	980	115	892	221	-	3	2,212
1/19/14	18	542	61	510	184	-	4	1,301	587	50	396	39	-	-	1,071	1,129	110	906	223	-	4	2,372
1/19/14	19	587	62	502	182	9	4	1,347	625	49	379	37	1	-	1,090	1,212	112	881	219	10	4	2,437
1/19/14	20	587	61	491	180	9	4	1,332	626	49	370	36	1	-	1,081	1,212	110	862	216	10	4	2,413
1/19/14	21	581	59	487	181	9	4	1,322	620	47	364	35	1	-	1,067	1,202	106	851	216	10	4	2,389
1/19/14	22	567	58	478	180	9	4	1,296	610	47	355	34	1	-	1,046	1,177	105	833	214	10	4	2,342
1/19/14	23	535	57	460	176	9	3	1,241	587	47	342	32	1	-	1,008	1,122	104	802	208	10	3	2,249
1/19/14	24	509	57	447	174	9	3	1,199	562	47	331	31	1	-	972	1,070	105	779	205	10	3	2,172

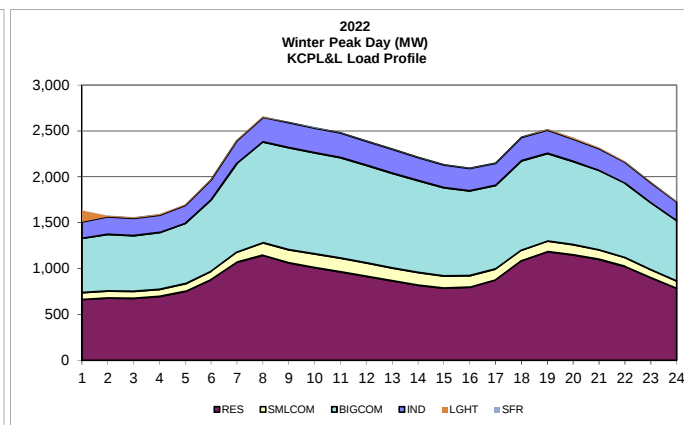
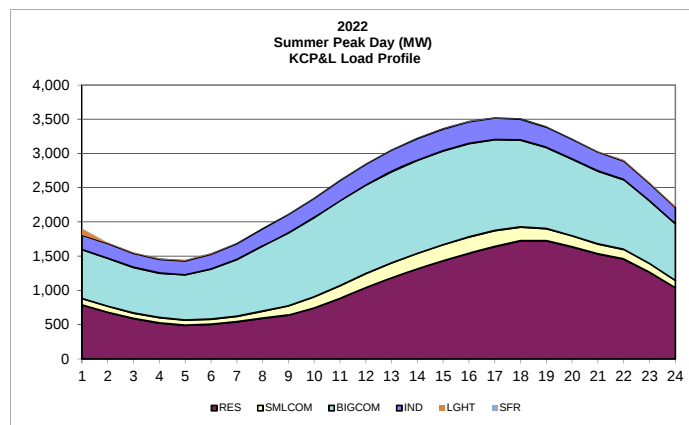
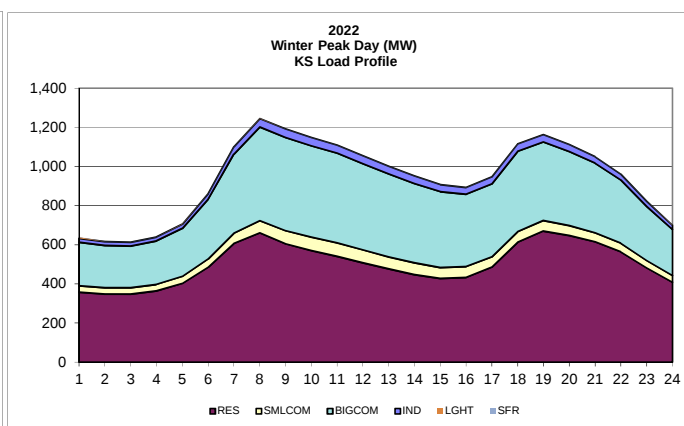
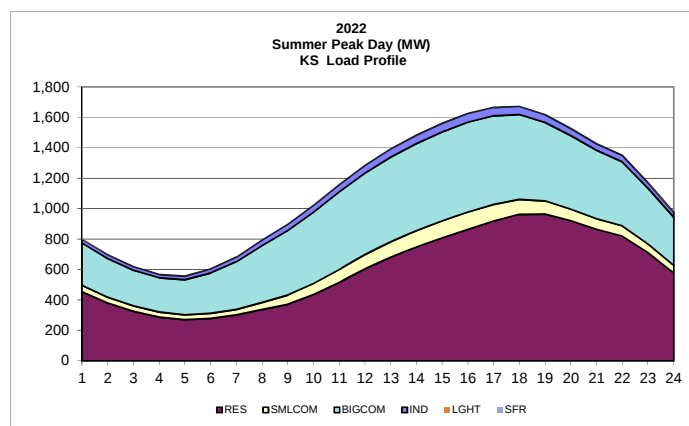
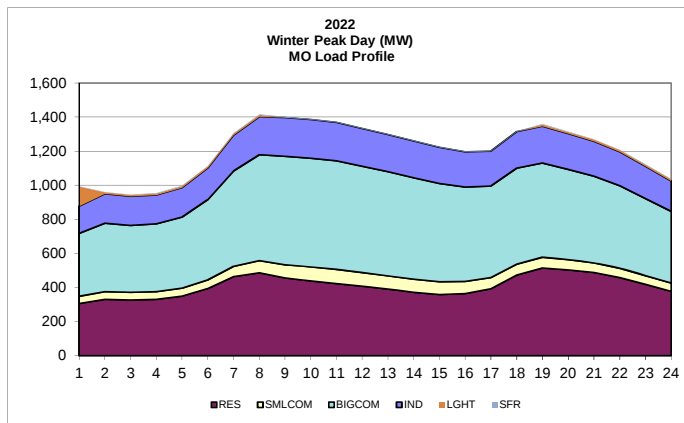
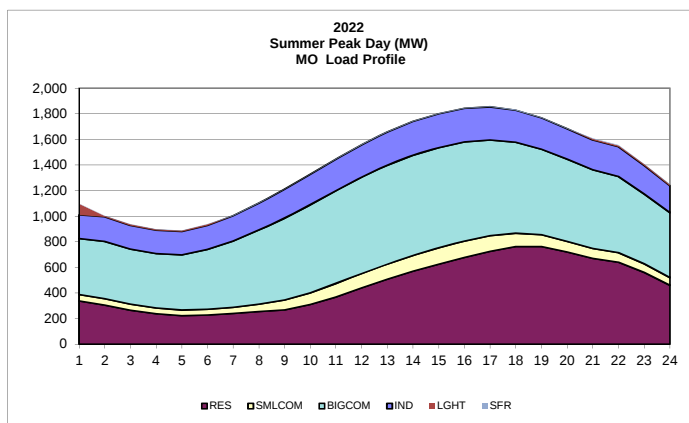


Plot 3C-3 KCP&L System Peak Day Loads by Class (Summer 2022)
Summer Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
7/21/19	1	337	49	437	185	88	3	1,100	454	42	278	27	5	-	806	791	92	715	212	93	3	1,906
7/21/19	2	304	49	448	192	9	3	1,005	381	38	254	25	0	-	697	685	87	702	216	10	3	1,702
7/21/19	3	264	47	430	185	9	3	938	326	35	234	23	0	-	618	590	82	665	208	9	3	1,556
7/21/19	4	237	45	424	182	9	2	900	287	33	225	22	0	-	568	525	78	650	204	9	2	1,468
7/21/19	5	222	44	430	182	9	3	890	271	32	230	22	0	-	556	493	76	661	204	9	3	1,446
7/21/19	6	226	45	469	188	9	3	940	278	33	265	26	0	-	603	504	79	734	214	9	3	1,542
7/21/19	7	240	46	518	199	-	3	1,006	302	36	312	30	-	-	680	542	82	830	229	-	3	1,686
7/21/19	8	255	58	578	212	-	3	1,107	338	46	374	36	-	-	794	594	103	953	248	-	3	1,900
7/21/19	9	268	76	640	227	-	4	1,216	372	61	425	40	-	-	897	640	137	1,065	267	-	4	2,113
7/21/19	10	309	91	686	238	-	4	1,328	434	74	469	44	-	-	1,021	743	165	1,155	282	-	4	2,349
7/21/19	11	368	104	726	247	-	4	1,450	515	86	509	48	-	-	1,159	883	190	1,236	296	-	4	2,609
7/21/19	12	439	112	753	255	-	5	1,563	602	95	536	51	-	-	1,284	1,041	207	1,289	305	-	5	2,847
7/21/19	13	507	117	773	260	-	5	1,662	681	100	558	53	-	-	1,393	1,189	217	1,331	313	-	5	3,055
7/21/19	14	570	122	784	263	-	5	1,744	748	106	574	54	-	-	1,482	1,317	228	1,358	318	-	5	3,226
7/21/19	15	625	126	784	264	-	5	1,805	806	111	586	56	-	-	1,559	1,431	237	1,370	320	-	5	3,364
7/21/19	16	678	126	775	263	-	5	1,847	864	114	590	56	-	-	1,624	1,542	240	1,365	319	-	5	3,472
7/21/19	17	725	120	749	258	-	5	1,859	917	111	581	55	-	-	1,664	1,642	231	1,330	314	-	5	3,523
7/21/19	18	763	104	712	251	-	5	1,834	962	98	558	53	-	-	1,672	1,725	201	1,270	304	-	5	3,505
7/21/19	19	761	92	670	244	-	5	1,773	964	87	516	49	-	-	1,616	1,725	180	1,186	293	-	5	3,388
7/21/19	20	719	83	642	239	-	5	1,688	920	77	482	46	-	-	1,525	1,639	160	1,125	284	-	5	3,213
7/21/19	21	670	78	614	233	10	5	1,610	863	70	449	43	1	-	1,425	1,533	148	1,063	276	11	5	3,035
7/21/19	22	638	76	595	232	10	5	1,557	820	67	421	40	1	-	1,349	1,458	143	1,016	273	11	5	2,906
7/21/19	23	558	68	547	221	10	4	1,408	712	58	366	35	1	-	1,171	1,270	125	913	257	11	4	2,579
7/21/19	24	459	61	507	211	10	4	1,251	578	50	318	31	1	-	977	1,037	111	825	241	10	4	2,228

Plot 3C-4 KCP&L System Peak Day Loads by Class (Winter 2022)
Winter Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
1/19/19	1	306	42	369	160	116	3	996	357	32	223	20	7	-	640	664	74	591	180	123	3	1,635
1/19/19	2	330	46	401	174	9	3	962	348	32	216	20	0	-	616	678	78	616	193	10	3	1,578
1/19/19	3	326	45	393	170	9	3	947	348	32	213	19	0	-	613	674	77	606	190	9	3	1,560
1/19/19	4	330	46	397	170	9	3	955	364	33	222	20	0	-	639	694	79	619	190	10	3	1,594
1/19/19	5	348	48	416	174	9	3	998	402	36	245	22	1	-	706	750	83	661	196	10	3	1,704
1/19/19	6	394	52	471	187	10	3	1,116	485	42	306	28	1	-	862	879	93	778	214	10	3	1,977
1/19/19	7	463	60	560	211	10	4	1,308	606	52	405	37	1	-	1,100	1,069	112	965	247	11	4	2,408
1/19/19	8	486	71	622	224	10	4	1,417	661	62	478	43	1	-	1,245	1,147	133	1,100	267	11	4	2,662
1/19/19	9	455	78	637	227	-	4	1,402	605	67	476	43	-	-	1,191	1,060	145	1,112	271	-	4	2,593
1/19/19	10	438	82	638	227	-	4	1,389	570	69	466	42	-	-	1,147	1,008	152	1,104	269	-	4	2,536
1/19/19	11	423	83	636	225	-	4	1,372	541	68	458	42	-	-	1,109	964	152	1,094	267	-	4	2,481
1/19/19	12	407	81	624	222	-	4	1,338	509	65	440	41	-	-	1,054	916	146	1,064	262	-	4	2,392
1/19/19	13	389	78	611	219	-	4	1,302	476	61	424	39	-	-	1,001	866	139	1,035	258	-	4	2,302
1/19/19	14	371	78	596	216	-	4	1,264	447	60	405	38	-	-	951	818	138	1,002	254	-	4	2,214
1/19/19	15	359	75	577	212	-	3	1,226	427	57	387	37	-	-	907	786	132	964	248	-	3	2,133
1/19/19	16	363	72	554	208	-	3	1,200	433	54	370	35	-	-	893	797	126	925	243	-	3	2,093
1/19/19	17	392	66	537	204	-	3	1,203	486	52	373	35	-	-	946	878	118	910	239	-	3	2,149
1/19/19	18	472	64	563	215	-	4	1,318	613	53	411	38	-	-	1,115	1,086	117	973	253	-	4	2,433
1/19/19	19	514	63	553	216	11	4	1,361	670	53	402	37	1	-	1,163	1,184	116	955	253	11	4	2,523
1/19/19	20	504	60	530	209	10	4	1,316	647	51	379	35	1	-	1,112	1,151	110	908	244	11	4	2,428
1/19/19	21	487	57	509	205	10	3	1,272	614	47	356	33	1	-	1,050	1,101	104	865	238	11	3	2,322
1/19/19	22	459	54	485	199	10	3	1,210	564	44	324	30	1	-	962	1,023	98	808	229	11	3	2,172
1/19/19	23	418	51	452	190	10	3	1,124	482	39	276	25	1	-	822	900	89	728	215	10	3	1,946
1/19/19	24	377	48	420	180	9	3	1,038	408	34	236	22	1	-	700	785	83	657	202	10	3	1,738

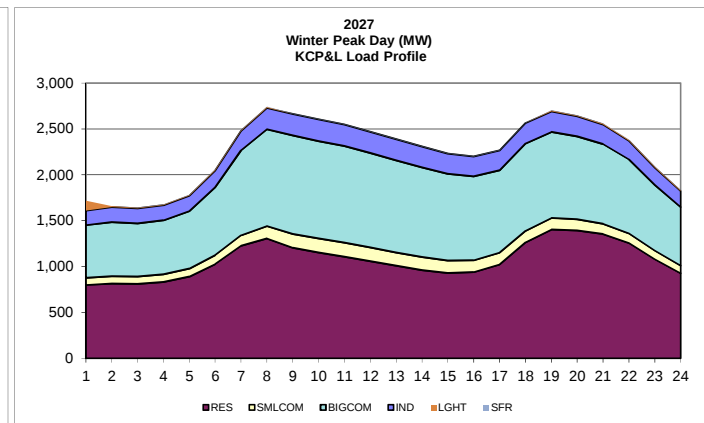
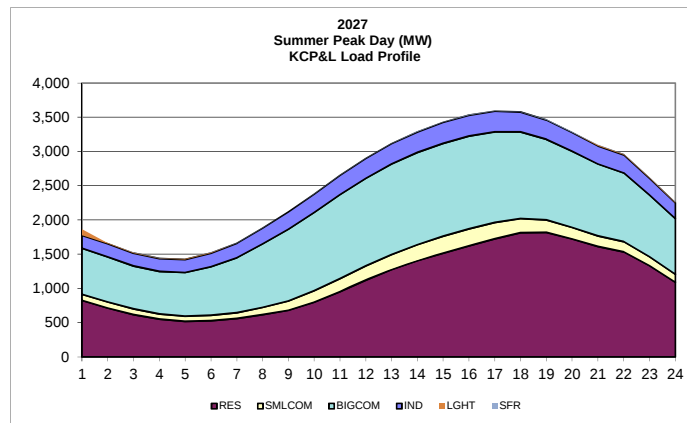
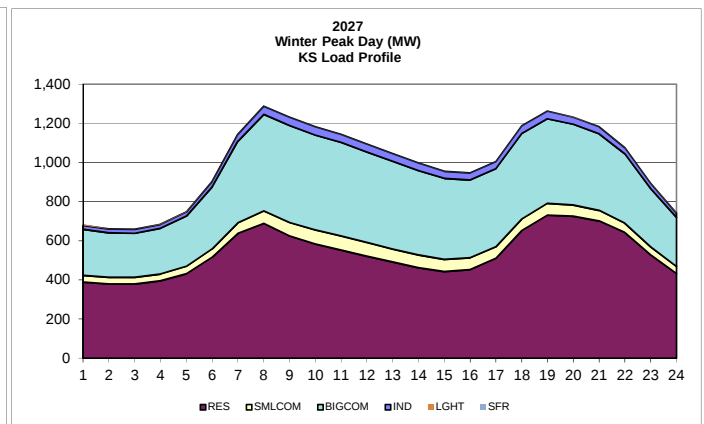
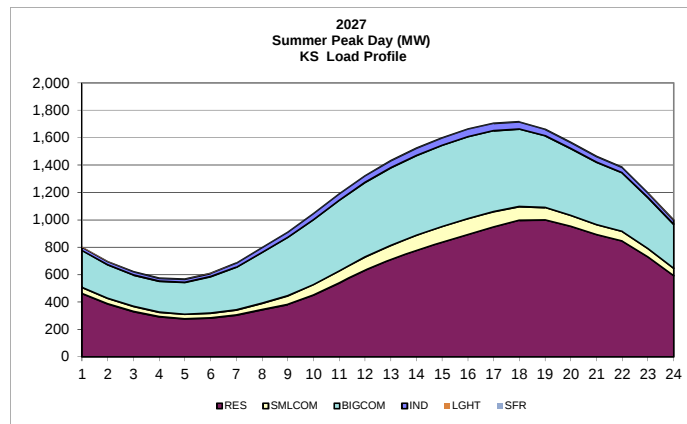
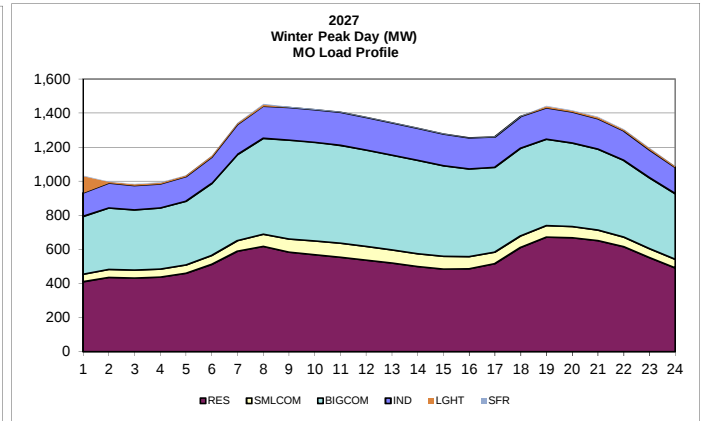
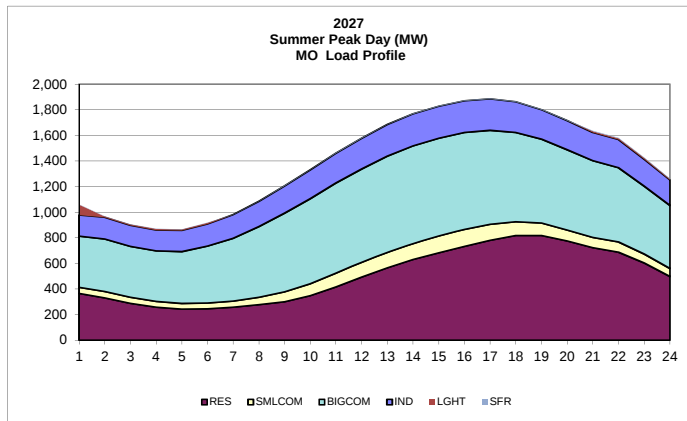


Plot 3C-5 KCP&L System Peak Day Loads by Class (Summer 2027)
Summer Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
7/21/24	1	364	49	400	165	82	3	1,062	463	44	270	25	5	-	806	827	93	669	190	87	3	1,868
7/21/24	2	330	48	410	170	9	3	970	387	39	247	23	0	-	697	718	87	658	193	9	3	1,667
7/21/24	3	288	46	398	166	8	2	908	332	35	231	22	0	-	620	620	81	629	187	9	2	1,528
7/21/24	4	258	44	395	164	8	2	871	293	34	225	21	0	-	574	551	78	620	185	9	2	1,445
7/21/24	5	243	44	405	165	8	2	867	278	33	233	22	0	-	566	521	77	637	187	9	2	1,433
7/21/24	6	245	45	444	174	8	3	919	284	35	267	25	0	-	610	529	79	711	199	9	3	1,529
7/21/24	7	258	46	492	184	-	3	982	306	37	311	29	-	-	683	563	83	803	213	-	3	1,665
7/21/24	8	277	58	552	197	-	3	1,087	344	47	372	34	-	-	797	621	104	924	231	-	3	1,884
7/21/24	9	298	78	616	213	-	4	1,209	383	62	427	39	-	-	911	681	140	1,043	252	-	4	2,120
7/21/24	10	348	93	664	224	-	4	1,333	451	77	475	43	-	-	1,046	799	170	1,139	267	-	4	2,378
7/21/24	11	415	106	705	233	-	4	1,464	538	89	517	47	-	-	1,191	953	195	1,222	281	-	4	2,655
7/21/24	12	492	115	731	240	-	5	1,582	629	98	545	50	-	-	1,322	1,121	213	1,276	290	-	5	2,905
7/21/24	13	565	120	752	246	-	5	1,688	710	103	567	52	-	-	1,432	1,275	223	1,320	298	-	5	3,121
7/21/24	14	629	126	763	249	-	5	1,772	777	109	582	53	-	-	1,522	1,406	235	1,345	303	-	5	3,294
7/21/24	15	683	130	765	250	-	5	1,833	835	114	594	55	-	-	1,598	1,518	244	1,359	305	-	5	3,431
7/21/24	16	733	131	758	249	-	5	1,876	891	117	598	55	-	-	1,662	1,624	248	1,356	304	-	5	3,538
7/21/24	17	780	125	734	246	-	5	1,890	947	114	589	54	-	-	1,704	1,727	239	1,323	300	-	5	3,594
7/21/24	18	818	107	697	239	-	5	1,867	996	101	566	52	-	-	1,716	1,814	208	1,264	291	-	5	3,582
7/21/24	19	818	96	655	232	-	5	1,806	1,000	90	523	48	-	-	1,661	1,818	186	1,178	280	-	5	3,467
7/21/24	20	774	87	627	227	-	5	1,719	952	80	489	45	-	-	1,566	1,726	166	1,115	272	-	5	3,285
7/21/24	21	722	81	598	221	10	5	1,637	892	73	454	42	1	-	1,462	1,614	154	1,053	263	10	5	3,098
7/21/24	22	688	80	580	220	10	5	1,582	845	70	428	40	1	-	1,382	1,533	149	1,007	260	10	5	2,964
7/21/24	23	602	70	531	209	10	4	1,426	731	60	371	35	1	-	1,198	1,333	131	902	244	10	4	2,624
7/21/24	24	497	63	492	199	9	4	1,264	594	52	323	30	1	-	1,000	1,091	115	815	229	10	4	2,264

Plot 3C-6 KCP&L System Peak Day Loads by Class (Winter 2027)
Winter Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
1/19/24	1	410	44	339	138	100	3	1,034	389	34	235	21	7	-	685	799	78	574	158	107	3	1,719
1/19/24	2	436	47	360	146	8	3	999	379	34	227	20	0	-	660	815	81	587	166	8	3	1,660
1/19/24	3	432	47	354	143	8	3	985	379	34	225	20	0	-	658	811	80	579	163	8	3	1,643
1/19/24	4	438	47	357	142	8	3	995	395	35	234	20	0	-	684	832	82	591	163	8	3	1,679
1/19/24	5	459	49	374	145	8	3	1,037	432	37	256	22	1	-	748	891	86	630	167	8	3	1,785
1/19/24	6	512	53	422	155	8	3	1,154	516	43	318	28	1	-	904	1,028	95	740	183	9	3	2,058
1/19/24	7	590	61	505	177	9	4	1,345	637	54	417	36	1	-	1,145	1,227	115	922	213	9	4	2,490
1/19/24	8	617	72	563	189	9	4	1,454	688	64	493	43	1	-	1,289	1,305	136	1,056	232	9	4	2,742
1/19/24	9	583	78	579	193	-	4	1,438	624	69	495	43	-	-	1,231	1,206	148	1,074	236	-	4	2,668
1/19/24	10	568	81	579	193	-	4	1,424	584	72	484	42	-	-	1,182	1,152	153	1,063	235	-	4	2,606
1/19/24	11	554	82	575	192	-	4	1,408	552	72	477	42	-	-	1,143	1,107	154	1,053	234	-	4	2,551
1/19/24	12	538	80	566	191	-	4	1,378	522	69	462	41	-	-	1,094	1,059	149	1,028	231	-	4	2,472
1/19/24	13	520	77	557	189	-	4	1,347	491	66	448	40	-	-	1,045	1,011	143	1,005	229	-	4	2,391
1/19/24	14	499	76	547	188	-	4	1,314	463	64	432	38	-	-	997	961	141	978	226	-	4	2,310
1/19/24	15	484	74	533	186	-	4	1,281	443	62	413	37	-	-	955	927	136	946	223	-	4	2,236
1/19/24	16	486	72	514	182	-	3	1,257	453	60	398	36	-	-	947	938	132	912	218	-	3	2,204
1/19/24	17	515	69	497	179	-	3	1,264	509	59	400	36	-	-	1,004	1,025	127	897	215	-	3	2,268
1/19/24	18	611	67	515	186	-	4	1,383	652	59	437	39	-	-	1,187	1,263	127	952	224	-	4	2,570
1/19/24	19	672	68	506	185	9	4	1,444	731	60	432	38	1	-	1,262	1,403	128	939	223	10	4	2,706
1/19/24	20	669	65	490	182	9	4	1,418	725	58	413	36	1	-	1,232	1,394	122	903	218	10	4	2,651
1/19/24	21	652	61	475	179	9	4	1,380	702	53	392	35	1	-	1,182	1,353	114	866	214	10	4	2,561
1/19/24	22	616	57	449	173	9	4	1,307	642	48	354	31	1	-	1,076	1,258	105	803	204	9	4	2,384
1/19/24	23	552	53	417	164	8	3	1,197	528	41	297	26	1	-	893	1,080	94	714	190	9	3	2,090
1/19/24	24	492	50	385	154	8	3	1,092	433	36	251	22	1	-	743	925	86	637	176	8	3	1,835



Plot 3C-7 KCP&L System Peak Day Loads by Class (Summer 2037)
Summer Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
7/21/34	1	366	52	401	162	81	2	1,065	457	46	276	24	5	-	808	823	98	678	186	86	2	1,873
7/21/34	2	327	51	408	165	8	2	961	373	40	248	22	0	-	683	700	90	656	187	9	2	1,644
7/21/34	3	283	48	392	159	8	2	892	313	36	227	20	0	-	596	596	84	619	179	8	2	1,488
7/21/34	4	252	46	387	157	8	2	851	273	34	218	19	0	-	544	525	79	605	176	8	2	1,395
7/21/34	5	239	45	396	158	8	2	848	259	33	224	20	0	-	537	498	78	621	178	8	2	1,385
7/21/34	6	247	47	438	167	8	3	909	272	35	261	23	0	-	590	518	82	698	190	8	3	1,499
7/21/34	7	266	48	488	178	-	3	983	302	38	309	26	-	-	676	568	86	797	205	-	3	1,659
7/21/34	8	290	61	554	193	-	3	1,101	349	49	379	32	-	-	809	639	110	933	225	-	3	1,910
7/21/34	9	312	83	628	212	-	3	1,238	391	67	443	37	-	-	938	704	150	1,070	249	-	3	2,176
7/21/34	10	363	100	683	225	-	4	1,374	463	83	500	42	-	-	1,090	826	183	1,183	267	-	4	2,464
7/21/34	11	432	115	731	237	-	4	1,519	556	98	552	47	-	-	1,253	988	213	1,283	284	-	4	2,771
7/21/34	12	512	124	762	245	-	5	1,648	654	108	587	50	-	-	1,399	1,166	232	1,349	295	-	5	3,046
7/21/34	13	589	130	787	252	-	5	1,764	740	114	614	52	-	-	1,521	1,329	244	1,402	305	-	5	3,284
7/21/34	14	656	136	801	256	-	5	1,855	812	121	633	54	-	-	1,621	1,468	258	1,434	311	-	5	3,476
7/21/34	15	714	141	804	258	-	5	1,922	876	127	646	56	-	-	1,705	1,590	268	1,450	313	-	5	3,627
7/21/34	16	769	142	796	257	-	5	1,968	940	130	651	56	-	-	1,778	1,709	272	1,446	313	-	5	3,746
7/21/34	17	821	135	769	253	-	5	1,984	1,004	127	641	55	-	-	1,827	1,825	262	1,410	308	-	5	3,810
7/21/34	18	864	116	728	245	-	5	1,958	1,063	111	614	53	-	-	1,841	1,926	226	1,343	298	-	5	3,799
7/21/34	19	863	103	682	237	-	5	1,890	1,067	98	566	49	-	-	1,781	1,930	201	1,248	287	-	5	3,671
7/21/34	20	815	93	651	231	-	5	1,795	1,012	87	527	46	-	-	1,672	1,828	180	1,178	277	-	5	3,467
7/21/34	21	759	87	619	224	10	5	1,703	944	80	488	42	1	-	1,555	1,704	166	1,107	266	10	5	3,258
7/21/34	22	722	85	599	223	10	4	1,644	891	76	458	40	1	-	1,465	1,613	161	1,057	263	11	4	3,109
7/21/34	23	624	75	545	210	10	4	1,469	759	66	394	34	1	-	1,254	1,383	141	939	245	10	4	2,722
7/21/34	24	507	67	502	199	9	4	1,286	601	56	338	30	1	-	1,026	1,107	123	840	228	10	4	2,312

Plot 3C-8 KCP&L System Peak Day Loads by Class (Winter 2037)
Winter Peak Day (MW)

Date	Hr	Missouri							Kansas							System						
		RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total	RES	SMLCOM	BIGCOM	IND	LGHT	SFR	Total
1/19/34	1	426	46	355	145	105	3	1,079	424	36	242	19	7	-	728	850	82	596	164	112	3	1,807
1/19/34	2	455	49	377	153	8	3	1,045	416	35	235	19	0	-	705	871	85	611	172	9	3	1,750
1/19/34	3	451	49	370	150	8	3	1,030	417	36	232	19	0	-	703	867	84	602	169	8	3	1,733
1/19/34	4	457	49	373	150	8	3	1,039	435	37	241	19	0	-	732	892	86	613	169	8	3	1,771
1/19/34	5	482	51	391	153	8	3	1,088	480	40	266	21	1	-	807	961	91	656	174	9	3	1,894
1/19/34	6	543	56	442	164	8	3	1,217	581	46	333	26	1	-	988	1,124	102	775	190	9	3	2,204
1/19/34	7	633	66	532	187	9	4	1,431	727	60	444	35	1	-	1,266	1,360	126	976	222	10	4	2,697
1/19/34	8	665	78	597	200	9	4	1,554	790	72	527	41	1	-	1,431	1,456	150	1,124	242	10	4	2,985
1/19/34	9	624	86	617	205	-	4	1,536	711	78	528	42	-	-	1,358	1,335	164	1,145	247	-	4	2,894
1/19/34	10	602	90	618	205	-	4	1,519	662	80	519	41	-	-	1,302	1,264	170	1,137	246	-	4	2,821
1/19/34	11	585	91	618	204	-	4	1,502	625	80	514	41	-	-	1,260	1,210	171	1,132	245	-	4	2,762
1/19/34	12	565	89	612	203	-	4	1,472	588	77	499	39	-	-	1,204	1,153	167	1,111	242	-	4	2,677
1/19/34	13	545	87	606	202	-	4	1,443	555	74	486	39	-	-	1,153	1,100	160	1,092	241	-	4	2,597
1/19/34	14	523	86	598	201	-	4	1,412	523	73	470	37	-	-	1,103	1,046	159	1,068	239	-	4	2,515
1/19/34	15	506	85	584	199	-	4	1,377	499	70	450	36	-	-	1,055	1,005	155	1,034	235	-	4	2,432
1/19/34	16	509	82	565	196	-	4	1,356	511	68	436	35	-	-	1,051	1,020	150	1,002	231	-	4	2,406
1/19/34	17	546	78	547	192	-	4	1,367	582	67	439	35	-	-	1,124	1,128	145	986	228	-	4	2,491
1/19/34	18	657	76	563	199	-	4	1,499	752	68	480	38	-	-	1,338	1,409	143	1,043	237	-	4	2,837
1/19/34	19	726	74	552	199	10	4	1,566	845	67	473	38	1	-	1,423	1,571	142	1,025	237	10	4	2,989
1/19/34	20	721	71	533	194	9	4	1,532	834	65	450	36	1	-	1,385	1,555	136	983	230	10	4	2,918
1/19/34	21	703	66	513	191	9	4	1,487	805	59	423	34	1	-	1,321	1,508	125	936	225	10	4	2,808
1/19/34	22	664	61	483	185	9	4	1,406	734	52	379	30	1	-	1,195	1,398	112	862	215	10	4	2,601
1/19/34	23	591	56	445	174	9	4	1,278	598	44	315	25	1	-	982	1,189	100	759	199	9	4	2,260
1/19/34	24	522	53	410	164	8	3	1,160	484	38	264	21	1	-	808	1,006	91	674	185	9	3	1,968

