
Part 1 - Appendix 3A
Greater Missouri Operation Company (GMOC) Reports

Missouri 4 CSR 240-22.030 (2) Reporting Requirements
Load Analysis and Forecasting

(2)(D) For each major class specified pursuant to subsection (2)(A), the utility shall provide, on a seasonal and annual basis for each year of the historical period --

(2)(D)(1) Its assessment of the historical enduse drivers of energy usage and peak demand, including trends in number of units and energy consumption per unit;

(3)(D)(2) Its assessment to the weather sensitivity of energy and peak demand; and

(2)(D)(3) Plots illustrating trends materially affecting electricity consumption over the historical period.

Compliance: See Plots 3A-1 through 3A-36 for base-case GMOC forecast reports designed to comply with section (2)(D) reporting requirements.

Linked Files:**Work Files**

Folder: Datalyzers/WN Class
 Datalyzers/Actual Class
 CombineAccrCCOSSales.NDMetrix Project
 ActPeakSumWin
 WNPeakSumWin

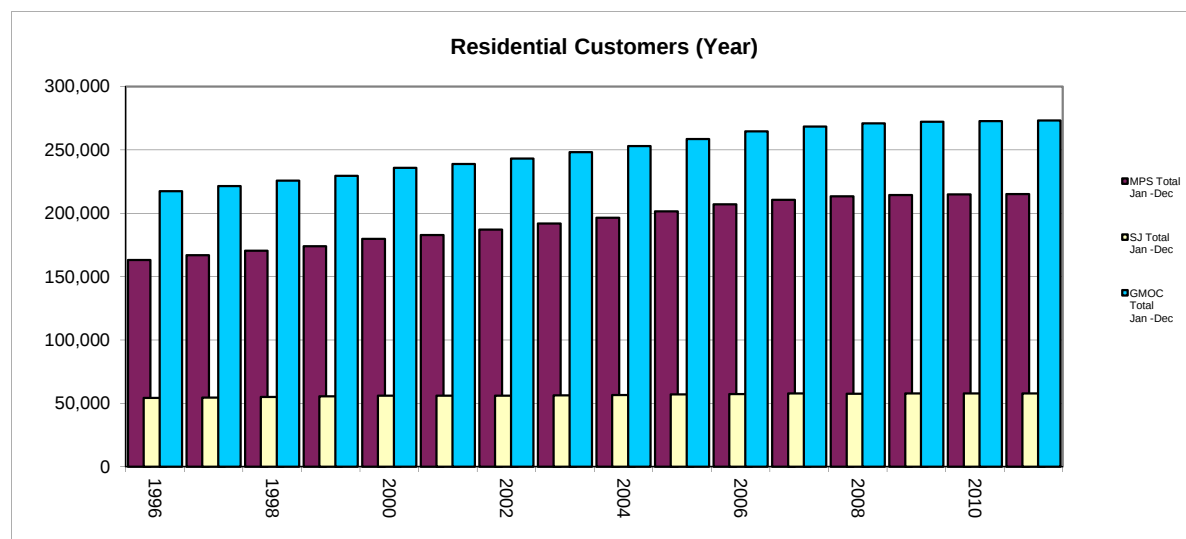
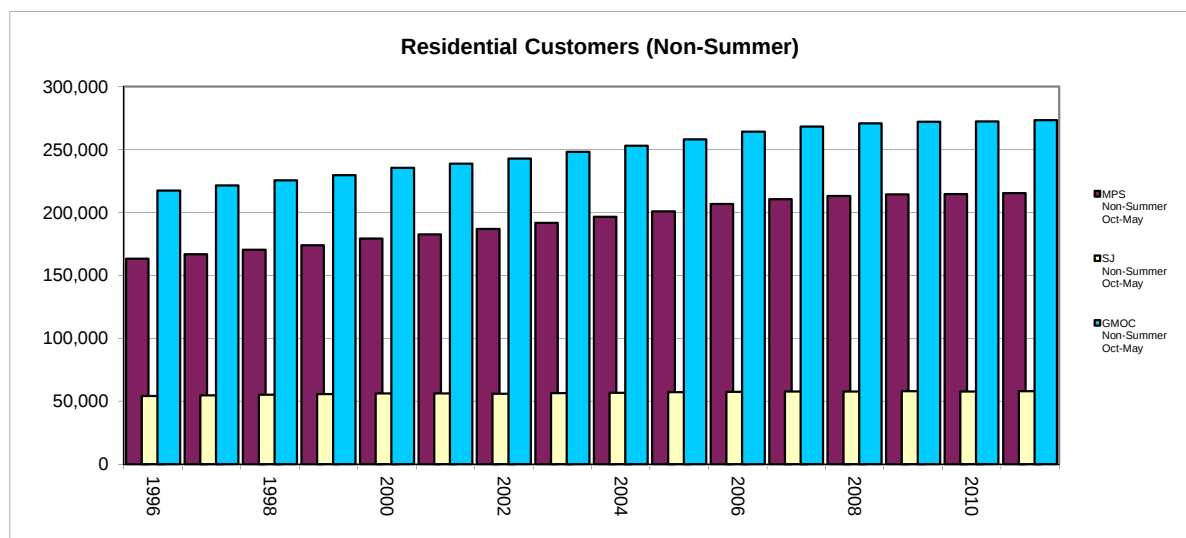
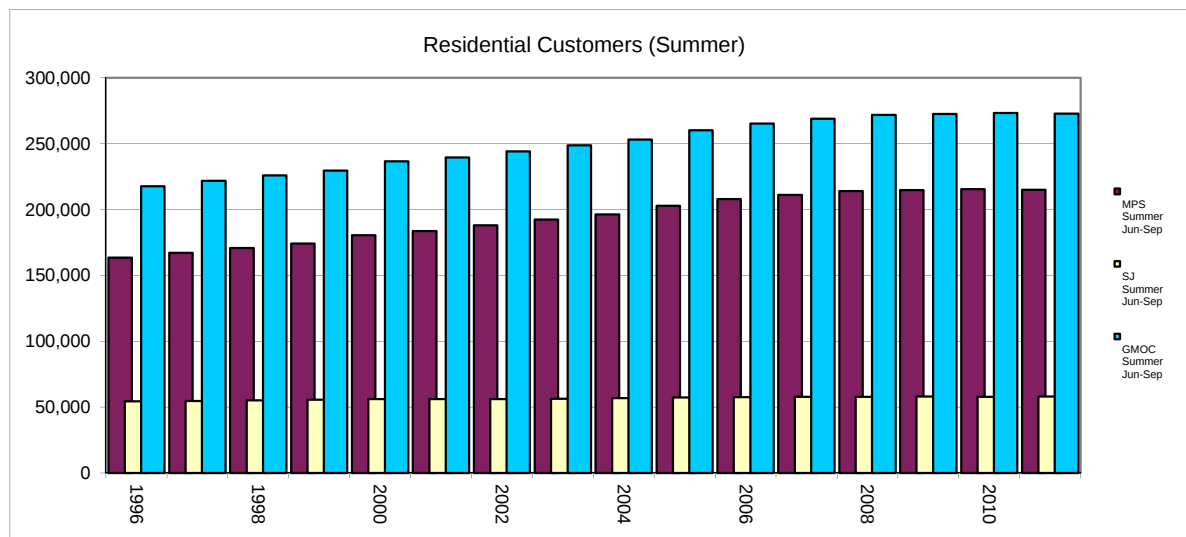
Project Files

IRP_2D_GMO_Customer.xls
IRP_2D_GMO_AvgUse
IRP_2D_GMO_EndUse_AvgUse.xls
IRP_2D_GMO_PeakPerCust
IRP_2D_GMO_Peak_EndUse
IRP_2D_GMO_PeakPerCust_EndUse

Plot 3A-1 MPS & SJ Residential Customers

Year	MPS Summer Jun-Sep	MPS Non-Summer Oct-May	MPS Total Jan -Dec	SJ Summer Jun-Sep	SJ Non-Summer Oct-May	SJ Total Jan -Dec	GMOC Summer Jun-Sep	GMOC Non-Summer Oct-May	GMOC Total Jan -Dec
1995	-	-	-	-	-	-	-	-	-
1996	163,315	163,228	163,257	54,194	54,254	54,234	217,509	217,482	217,491
1997	167,050	166,889	166,943	54,554	54,680	54,638	221,604	221,569	221,581
1998	170,634	170,437	170,503	55,142	55,215	55,191	225,776	225,652	225,694
1999	174,115	173,882	173,960	55,478	55,640	55,586	229,593	229,522	229,546
2000	180,502	179,297	179,698	56,103	56,085	56,091	236,605	235,382	235,789
2001	183,461	182,590	182,881	56,013	56,100	56,071	239,474	238,690	238,952
2002	187,837	186,871	187,193	56,119	55,976	56,024	243,956	242,847	243,217
2003	192,393	191,805	192,001	56,375	56,298	56,323	248,768	248,103	248,324
2004	196,323	196,443	196,403	56,833	56,677	56,729	253,156	253,120	253,132
2005	202,873	200,907	201,562	57,114	57,126	57,122	259,987	258,033	258,684
2006	207,780	206,720	207,073	57,521	57,442	57,468	265,301	264,162	264,541
2007	211,043	210,596	210,745	57,810	57,775	57,787	268,853	268,371	268,532
2008	213,898	213,119	213,379	57,750	57,658	57,689	271,648	270,777	271,068
2009	214,699	214,333	214,455	57,903	57,847	57,865	272,602	272,180	272,320
2010	215,302	214,664	214,877	57,820	57,752	57,775	273,122	272,416	272,652
2011	214,850	215,345	215,180	57,859	57,993	57,948	272,709	273,338	273,128

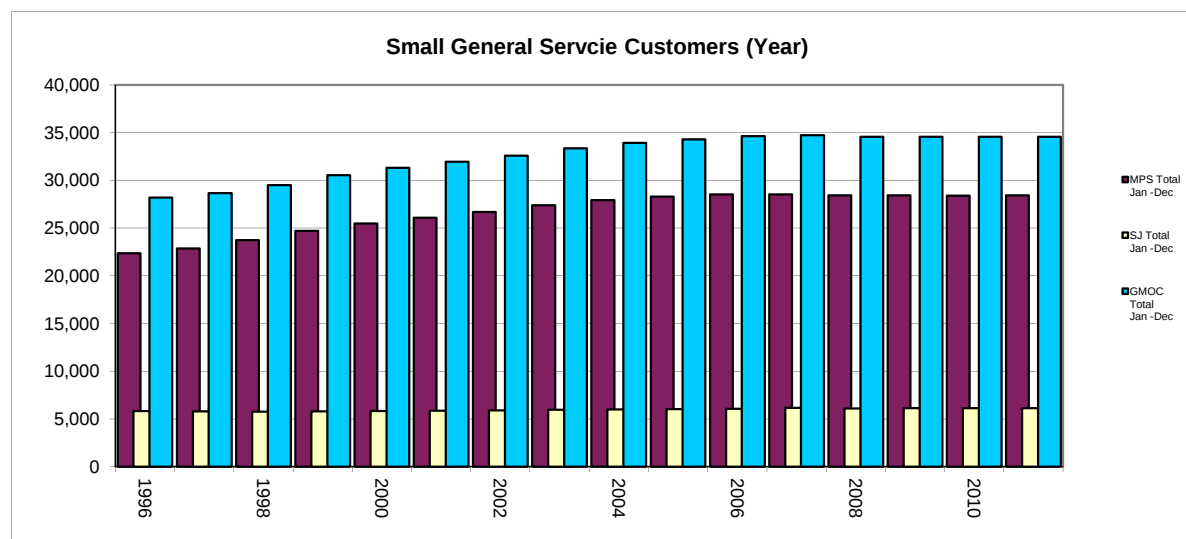
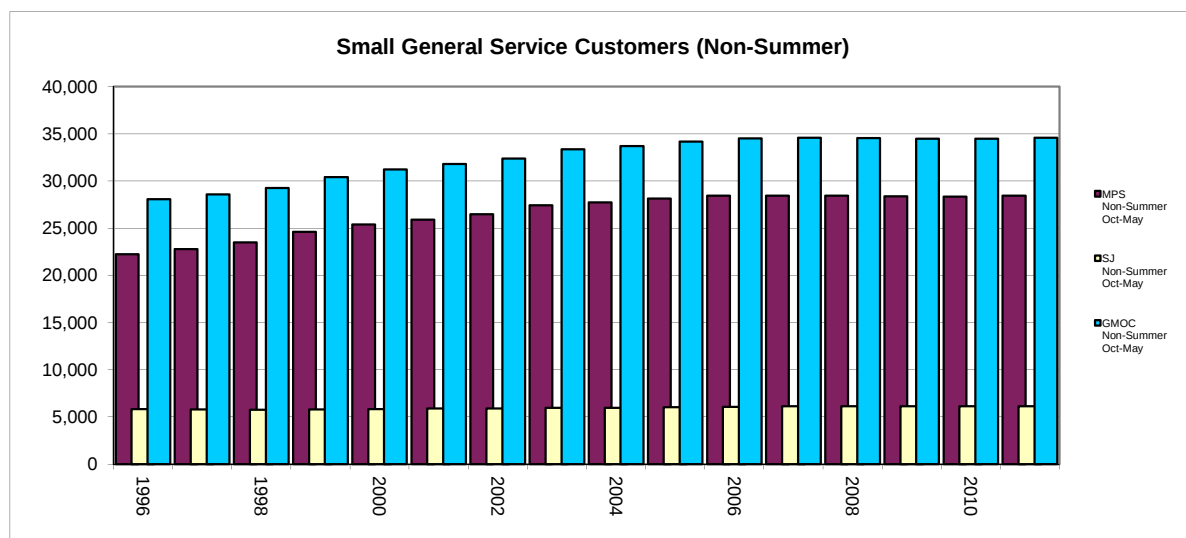
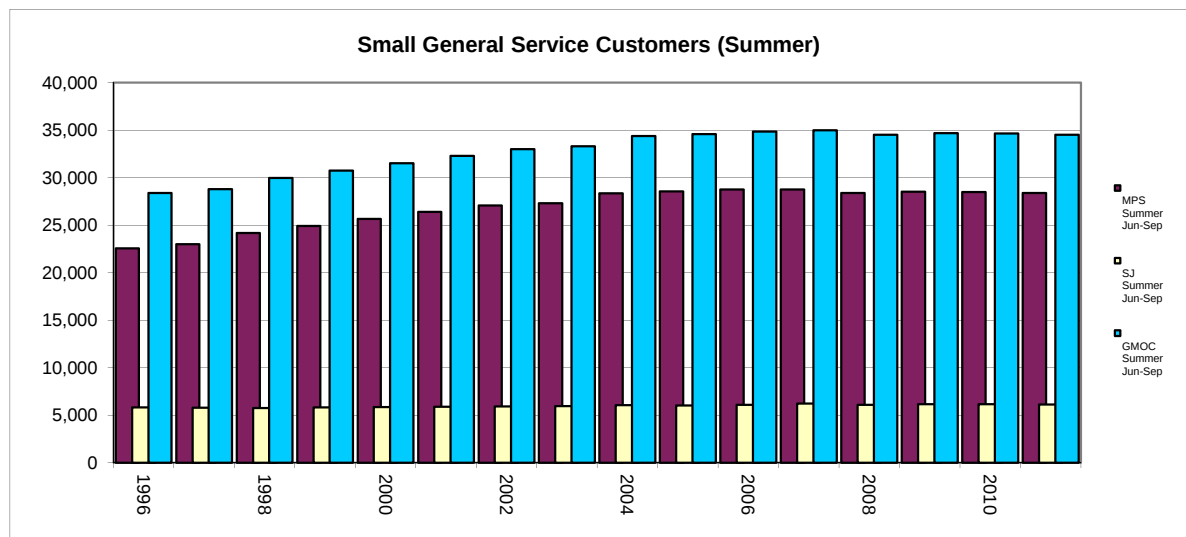
96-'00	2.5%	2.4%	2.4%	0.9%	0.8%	0.8%	2.1%	2.0%	2.0%
00-'05	2.4%	2.3%	2.3%	0.4%	0.4%	0.4%	1.9%	1.9%	1.9%
05-'10	1.2%	1.3%	1.3%	0.2%	0.2%	0.2%	1.0%	1.1%	1.1%
10-'11	-0.2%	0.3%	0.1%	0.1%	0.4%	0.3%	-0.2%	0.3%	0.2%
00-'11	1.6%	1.7%	1.7%	0.3%	0.3%	0.3%	1.3%	1.4%	1.3%



Plot 3A-2 MPS & SJ Residential Customers

Year	MPS Summer Jun-Sep	MPS Non-Summer Oct-May	MPS Total Jan -Dec	SJ Summer Jun-Sep	SJ Non-Summer Oct-May	SJ Total Jan -Dec	GMOC Summer Jun-Sep	GMOC Non-Summer Oct-May	GMOC Total Jan -Dec
1995	-	-	-	-	-	-	-	-	-
1996	22,572	22,237	22,349	5,839	5,826	5,830	28,411	28,063	28,179
1997	22,998	22,788	22,858	5,810	5,778	5,789	28,808	28,566	28,647
1998	24,204	23,483	23,723	5,771	5,762	5,765	29,975	29,245	29,488
1999	24,923	24,619	24,720	5,819	5,798	5,805	30,742	30,417	30,525
2000	25,670	25,390	25,484	5,857	5,829	5,838	31,527	31,219	31,322
2001	26,414	25,911	26,079	5,895	5,880	5,885	32,309	31,791	31,964
2002	27,069	26,479	26,675	5,936	5,908	5,917	33,005	32,387	32,592
2003	27,332	27,413	27,386	5,976	5,959	5,964	33,308	33,372	33,350
2004	28,350	27,729	27,936	6,051	5,979	6,003	34,401	33,708	33,939
2005	28,560	28,140	28,280	6,050	6,019	6,029	34,610	34,159	34,309
2006	28,762	28,437	28,546	6,110	6,076	6,087	34,872	34,513	34,633
2007	28,754	28,436	28,542	6,236	6,147	6,176	34,990	34,583	34,718
2008	28,411	28,433	28,426	6,114	6,127	6,123	34,525	34,560	34,549
2009	28,525	28,362	28,416	6,162	6,127	6,139	34,687	34,489	34,555
2010	28,513	28,355	28,408	6,155	6,139	6,144	34,668	34,494	34,552
2011	28,381	28,439	28,420	6,142	6,142	6,142	34,523	34,581	34,562

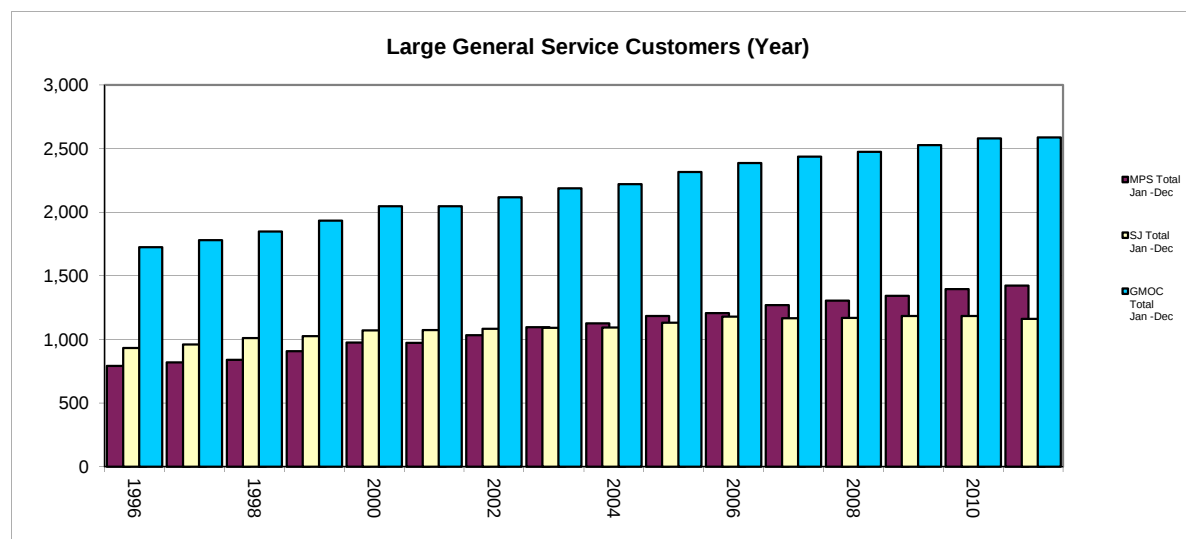
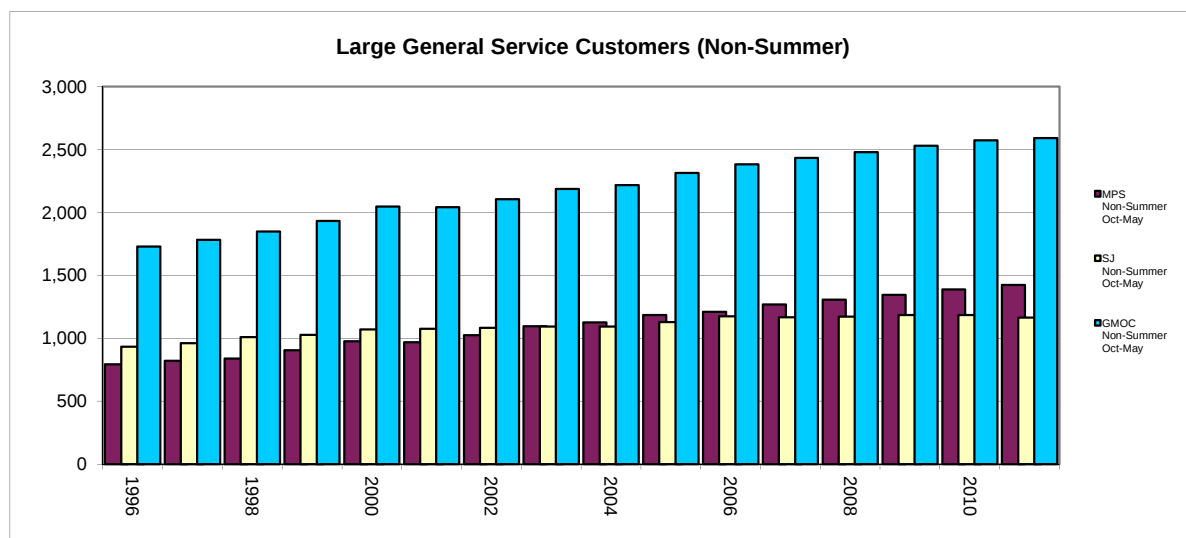
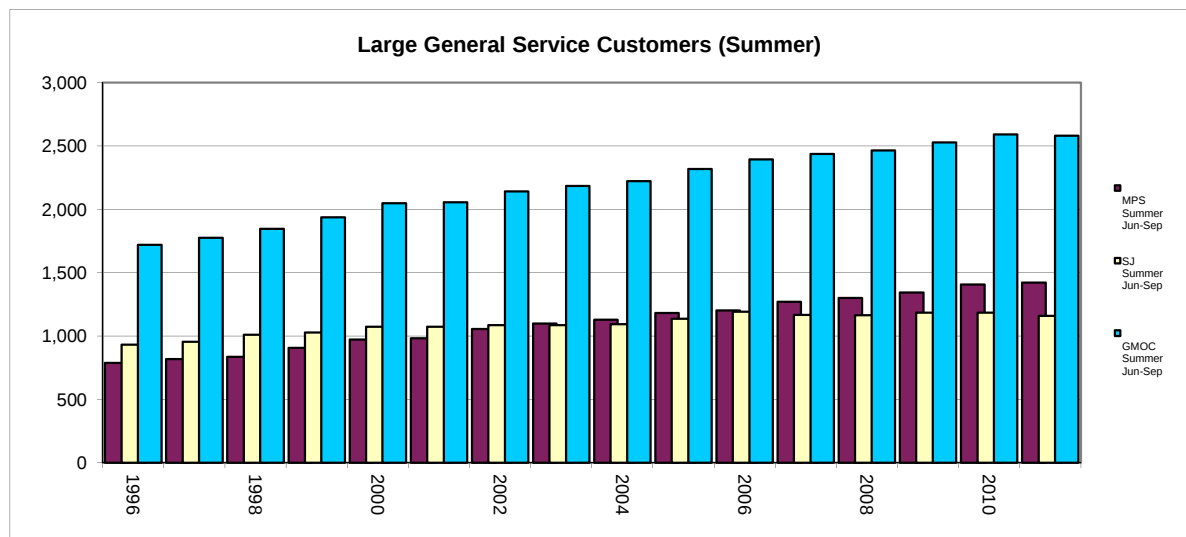
96-'00	3.3%	3.4%	3.3%	0.1%	0.0%	0.0%	2.6%	2.7%	2.7%
00-'05	2.2%	2.1%	2.1%	0.7%	0.6%	0.6%	1.9%	1.8%	1.8%
05-'10	0.0%	0.2%	0.1%	0.3%	0.4%	0.4%	0.0%	0.2%	0.1%
10-'11	-0.5%	0.3%	0.0%	-0.2%	0.0%	0.0%	-0.4%	0.3%	0.0%
00-'11	0.9%	1.0%	1.0%	0.4%	0.5%	0.5%	0.8%	0.9%	0.9%



Plot 3A-3 MPS & SJ Residential Customers

Year	MPS Summer Jun-Sep	MPS Non-Summer Oct-May	MPS Total Jan -Dec	SJ Summer Jun-Sep	SJ Non-Summer Oct-May	SJ Total Jan -Dec	GMOC Summer Jun-Sep	GMOC Non-Summer Oct-May	GMOC Total Jan -Dec
1995	-	-	-	-	-	-	-	-	-
1996	788	794	792	932	934	933	1,720	1,728	1,725
1997	819	821	821	956	962	960	1,775	1,783	1,781
1998	836	840	839	1,011	1,009	1,010	1,847	1,849	1,849
1999	908	906	907	1,029	1,026	1,027	1,937	1,932	1,934
2000	974	976	975	1,074	1,070	1,071	2,048	2,046	2,046
2001	983	968	973	1,073	1,075	1,074	2,056	2,043	2,047
2002	1,055	1,024	1,034	1,087	1,082	1,084	2,142	2,106	2,118
2003	1,098	1,096	1,097	1,087	1,092	1,091	2,185	2,188	2,188
2004	1,129	1,125	1,126	1,095	1,093	1,094	2,224	2,218	2,220
2005	1,183	1,184	1,184	1,136	1,129	1,131	2,319	2,313	2,315
2006	1,204	1,209	1,207	1,192	1,174	1,180	2,396	2,383	2,387
2007	1,271	1,268	1,269	1,168	1,166	1,167	2,439	2,434	2,436
2008	1,301	1,308	1,305	1,164	1,172	1,169	2,465	2,480	2,474
2009	1,343	1,345	1,344	1,185	1,184	1,184	2,528	2,529	2,528
2010	1,408	1,389	1,395	1,185	1,184	1,185	2,593	2,573	2,580
2011	1,422	1,425	1,424	1,159	1,165	1,163	2,581	2,590	2,587

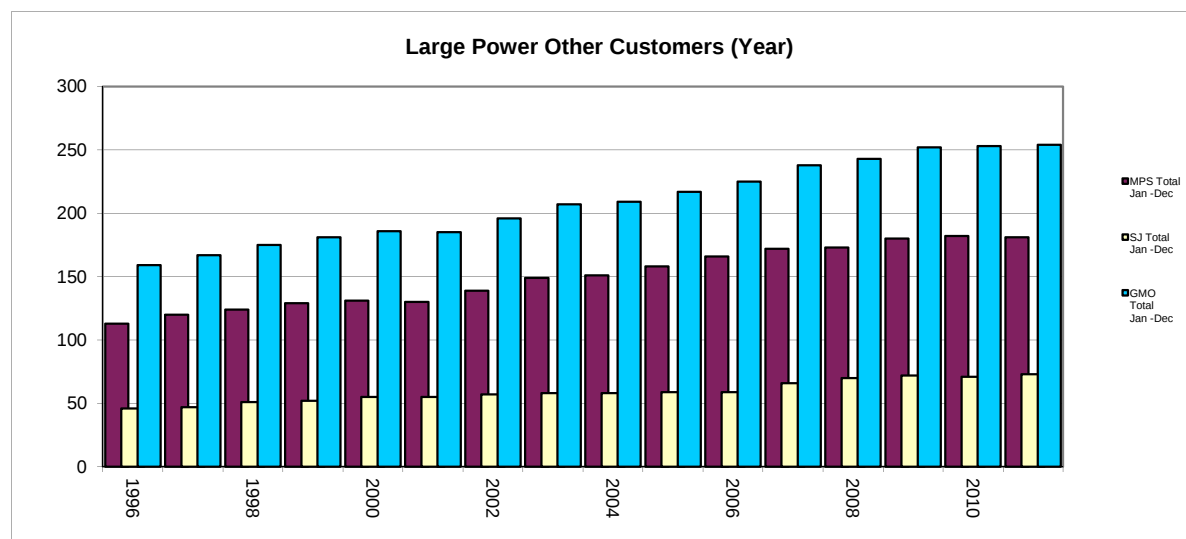
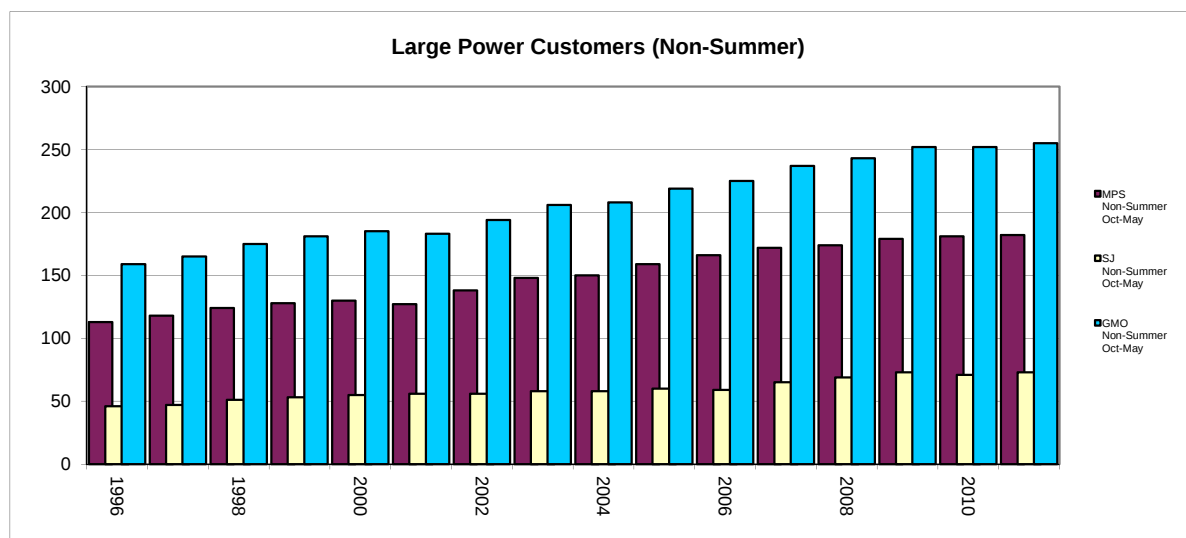
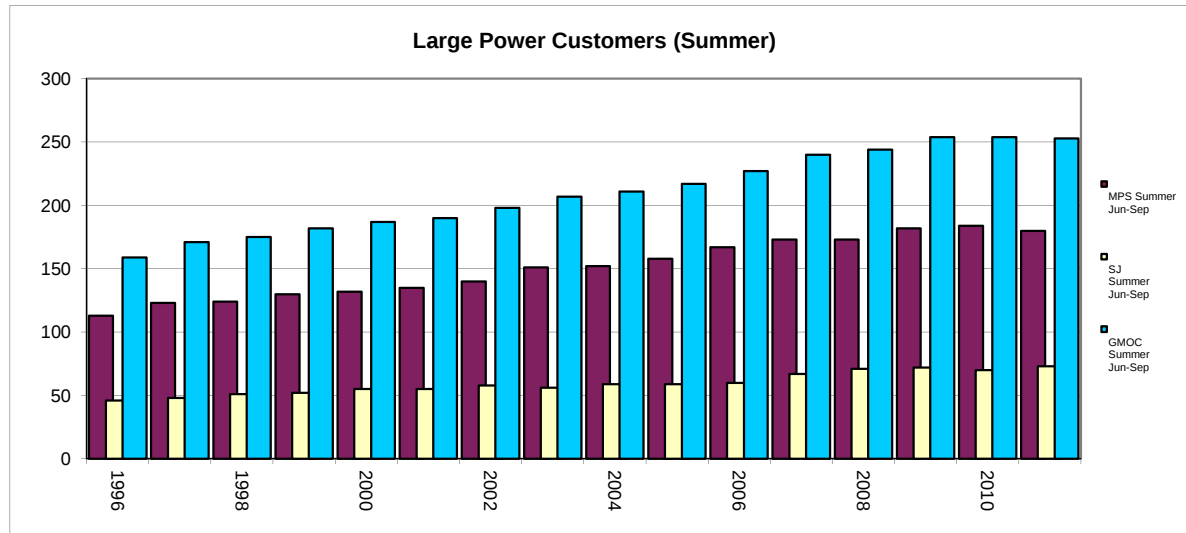
96-'00	5.4%	5.3%	5.3%	3.6%	3.5%	3.5%	4.5%	4.3%	4.4%
00-'05	4.0%	3.9%	4.0%	1.1%	1.1%	1.1%	2.5%	2.5%	2.5%
05-'10	3.5%	3.2%	3.3%	0.8%	1.0%	0.9%	2.3%	2.2%	2.2%
10-'11	1.0%	2.6%	2.1%	-2.2%	-1.6%	-1.9%	-0.5%	0.7%	0.3%
00-'11	3.5%	3.5%	3.5%	0.7%	0.8%	0.8%	2.1%	2.2%	2.2%



Plot 3A-4 MPS & SJ Residential Customers

Year	MPS			SJ			GMOC		
	MPS Summer Jun-Sep	MPS Non-Summer Oct-May	MPS Total Jan -Dec	SJ Summer Jun-Sep	SJ Non-Summer Oct-May	SJ Total Jan -Dec	GMOC Summer Jun-Sep	GMO Non-Summer Oct-May	GMO Total Jan -Dec
1995	-	-	-	-	-	-	-	-	-
1996	113	113	113	46	46	46	159	159	159
1997	123	118	120	48	47	47	171	165	167
1998	124	124	124	51	51	51	175	175	175
1999	130	128	129	52	53	52	182	181	181
2000	132	130	131	55	55	55	187	185	186
2001	135	127	130	55	56	55	190	183	185
2002	140	138	139	58	56	57	198	194	196
2003	151	148	149	56	58	58	207	206	207
2004	152	150	151	59	58	58	211	208	209
2005	158	159	158	59	60	59	217	219	217
2006	167	166	166	60	59	59	227	225	225
2007	173	172	172	67	65	66	240	237	238
2008	173	174	173	71	69	70	244	243	243
2009	182	179	180	72	73	72	254	252	252
2010	184	181	182	70	71	71	254	252	253
2011	180	182	181	73	73	73	253	255	254

96-'00	4.0%	3.6%	3.8%	4.6%	4.6%	4.6%	4.1%	3.9%	4.0%
00-'05	3.7%	4.1%	3.8%	1.4%	1.8%	1.4%	3.0%	3.4%	3.1%
05-'10	3.1%	2.6%	2.9%	3.5%	3.4%	3.8%	3.2%	2.8%	3.1%
10-'11	-2.2%	0.6%	-0.5%	4.3%	2.8%	2.8%	-0.4%	1.2%	0.4%
00-'11	2.9%	3.1%	3.0%	2.6%	2.6%	2.6%	2.8%	3.0%	2.9%

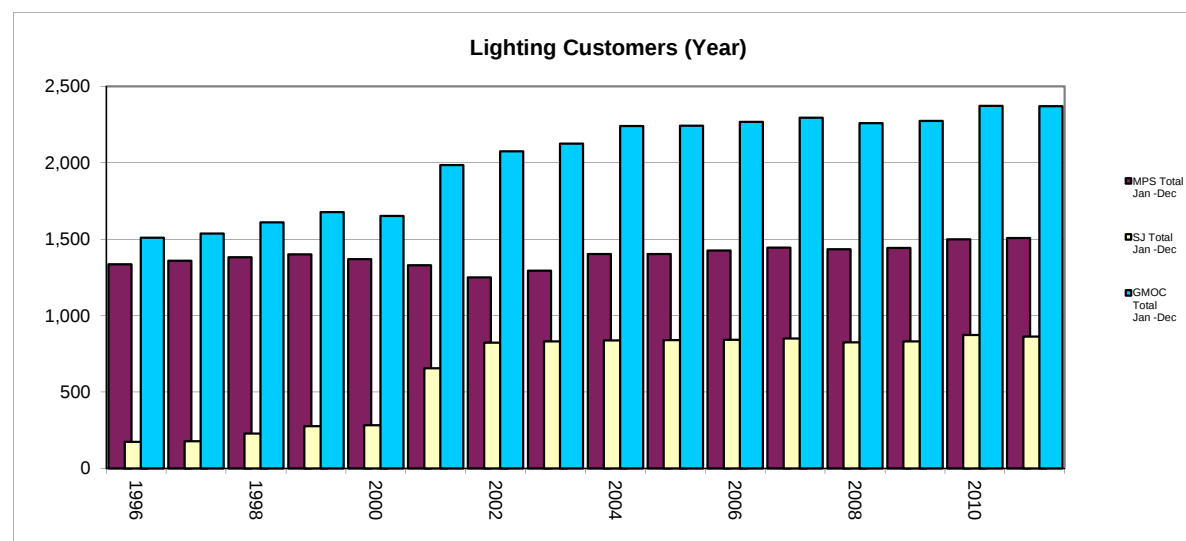
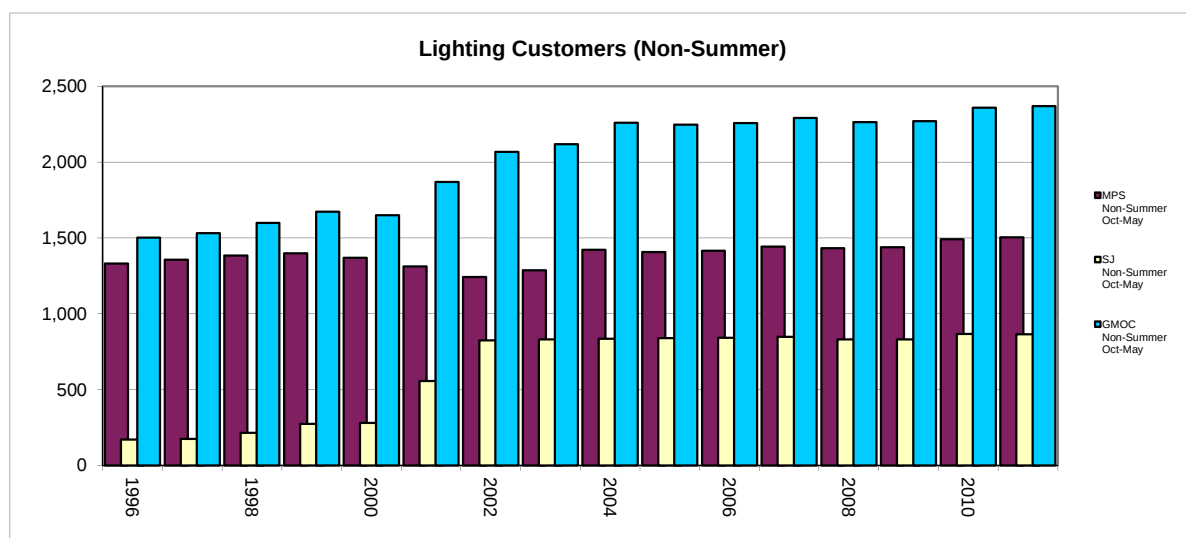
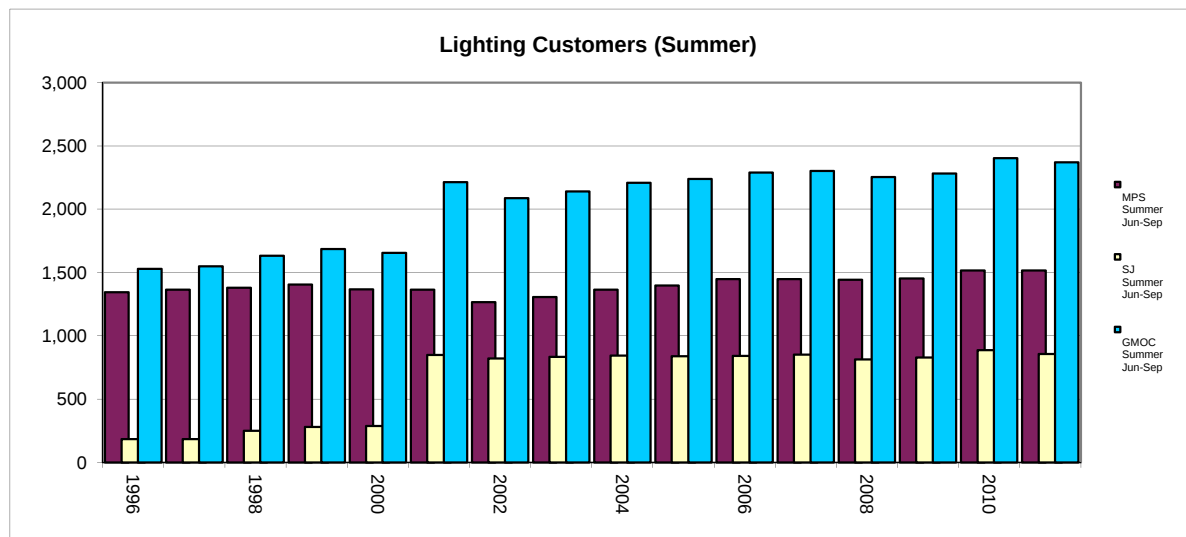


Plot 3A-5 MPS & SJ Residential Customers

Year	MPS Summer Jun-Sep	MPS Non-Summer Oct-May	MPS Total Jan -Dec	SJ Summer Jun-Sep	SJ Non-Summer Oct-May	SJ Total Jan -Dec	GMOC Summer Jun-Sep	GMOC Non-Summer Oct-May	GMOC Total Jan -Dec
1995	-	-	-	-	-	-	-	-	-
1996	1,344	1,331	1,335	184	171	175	1,528	1,502	1,510
1997	1,365	1,357	1,360	185	175	178	1,550	1,532	1,538
1998	1,381	1,384	1,383	251	216	228	1,632	1,600	1,611
1999	1,404	1,399	1,401	281	275	277	1,685	1,674	1,678
2000	1,368	1,369	1,369	288	281	283	1,656	1,650	1,652
2001	1,364	1,313	1,330	850	557	655	2,214	1,870	1,985
2002	1,267	1,243	1,251	821	825	823	2,088	2,068	2,074
2003	1,307	1,287	1,294	834	831	832	2,141	2,118	2,126
2004	1,365	1,423	1,403	844	836	838	2,209	2,259	2,241
2005	1,398	1,408	1,404	840	839	839	2,238	2,247	2,243
2006	1,447	1,416	1,426	843	841	841	2,290	2,257	2,267
2007	1,449	1,443	1,445	853	849	850	2,302	2,292	2,295
2008	1,442	1,432	1,435	813	831	825	2,255	2,263	2,260
2009	1,453	1,439	1,443	828	832	831	2,281	2,271	2,274
2010	1,515	1,492	1,499	888	867	874	2,403	2,359	2,373
2011	1,515	1,505	1,508	856	865	862	2,371	2,370	2,370

96-'00	0.4%	0.7%	0.6%	11.9%	13.2%	12.8%	2.0%	2.4%	2.3%
00-'05	0.4%	0.6%	0.5%	23.9%	24.5%	24.3%	6.2%	6.4%	6.3%
05-'10	1.6%	1.2%	1.3%	1.1%	0.7%	0.8%	1.4%	1.0%	1.1%
10-'11	0.0%	0.9%	0.6%	-3.6%	-0.2%	-1.4%	-1.3%	0.5%	-0.1%
00-'11	0.9%	0.9%	0.9%	10.4%	10.8%	10.7%	3.3%	3.3%	3.3%

* Change in methodology in counting St. Joseph private lighting by Missouri Public Service.

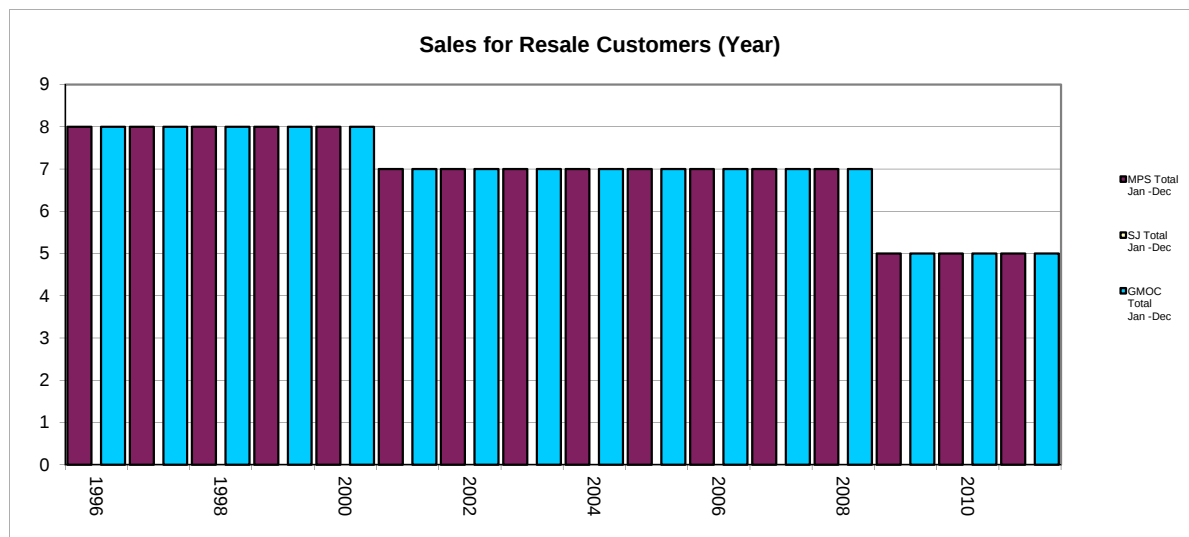
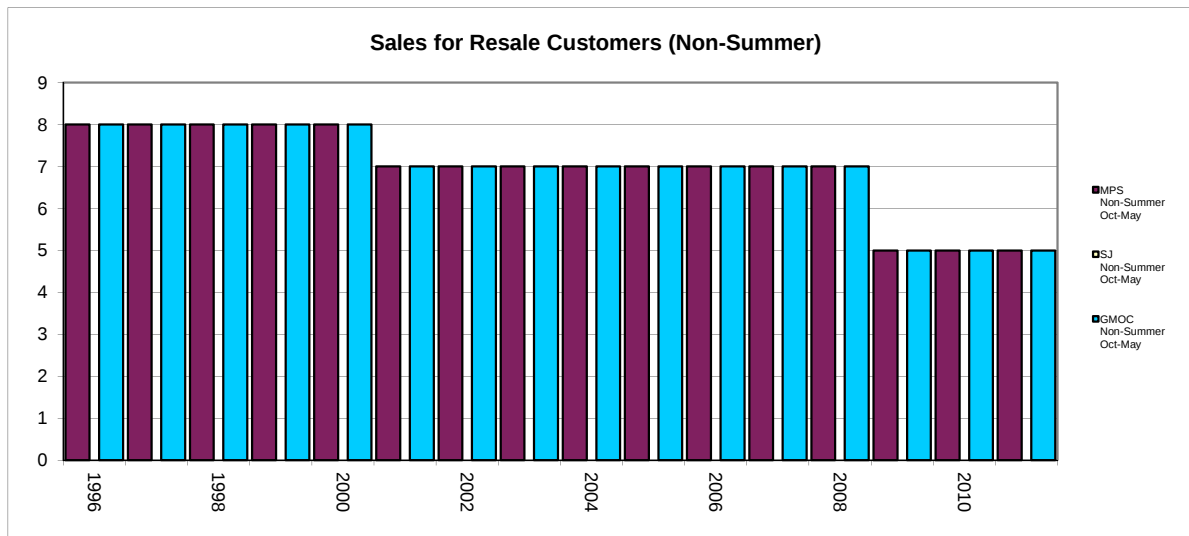
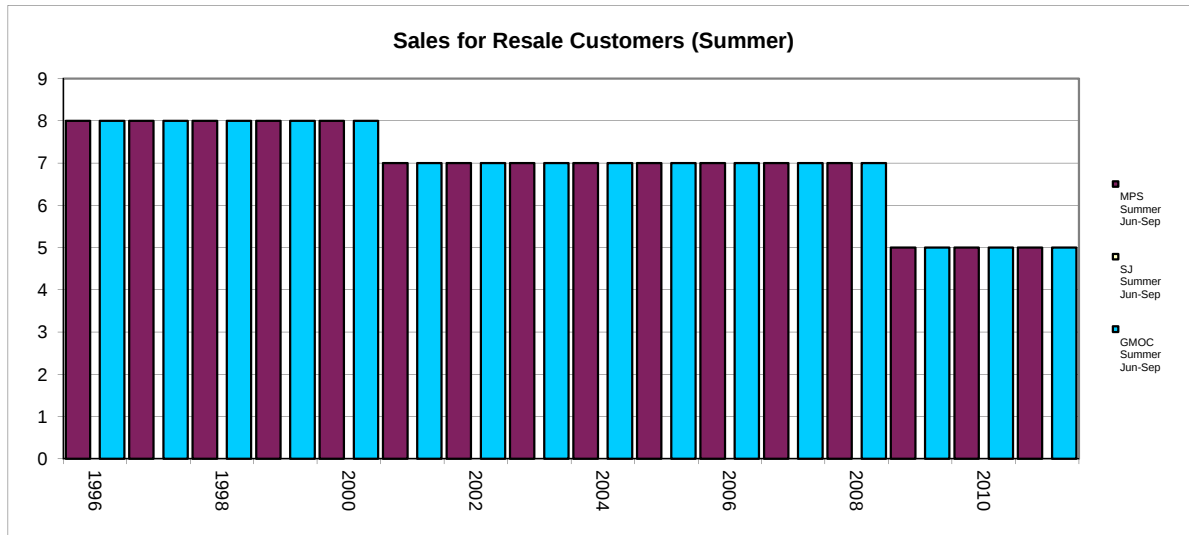


* Change in methodology in counting St. Joseph private lighting customers by Missouri Public Service after merger.

Plot 3A-6 MPS & SJ Residential Customers

Year	MPS Summer Jun-Sep	MPS Non-Summer Oct-May	MPS Total Jan -Dec	SJ Summer Jun-Sep	SJ Non-Summer Oct-May	SJ Total Jan -Dec	GMOC Summer Jun-Sep	GMOC Non-Summer Oct-May	GMOC Total Jan -Dec
1995	-	-	-	-	-	-	-	-	-
1996	8	8	8	0	0	0	8	8	8
1997	8	8	8	0	0	0	8	8	8
1998	8	8	8	0	0	0	8	8	8
1999	8	8	8	0	0	0	8	8	8
2000	8	8	8	0	0	0	8	8	8
2001	7	7	7	0	0	0	7	7	7
2002	7	7	7	0	0	0	7	7	7
2003	7	7	7	0	0	0	7	7	7
2004	7	7	7	0	0	0	7	7	7
2005	7	7	7	0	0	0	7	7	7
2006	7	7	7	0	0	0	7	7	7
2007	7	7	7	0	0	0	7	7	7
2008	7	7	7	0	0	0	7	7	7
2009	5	5	5	0	0	0	5	5	5
2010	5	5	5	0	0	0	5	5	5
2011	5	5	5	0	0	0	5	5	5

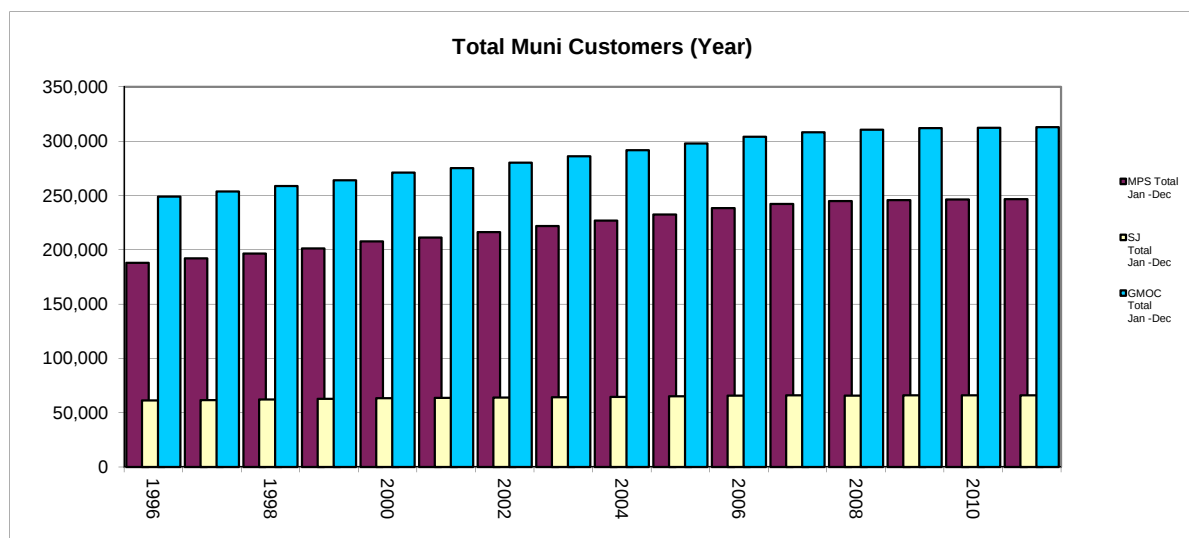
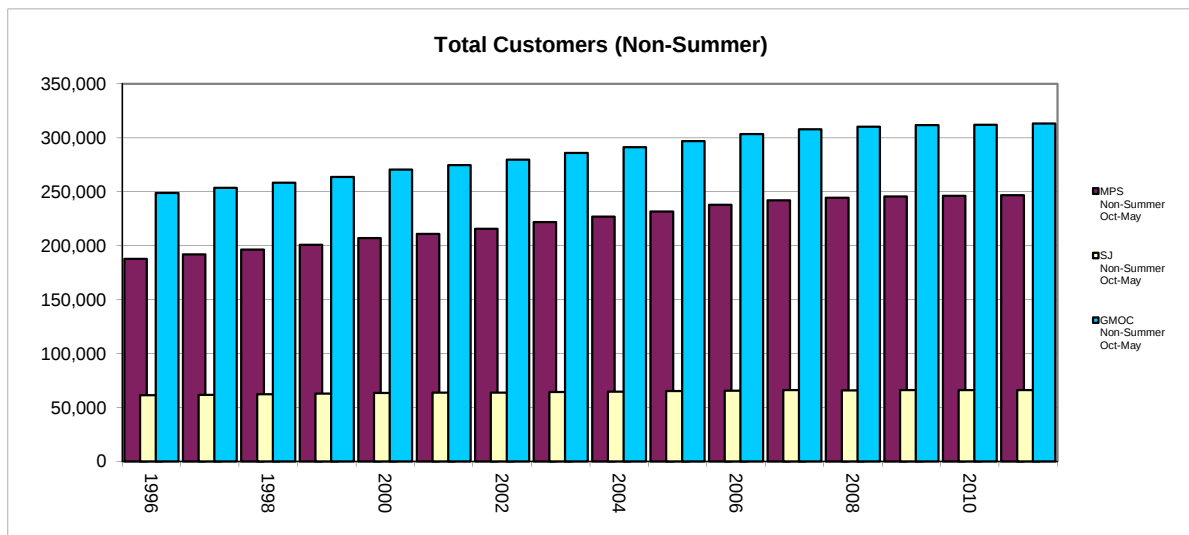
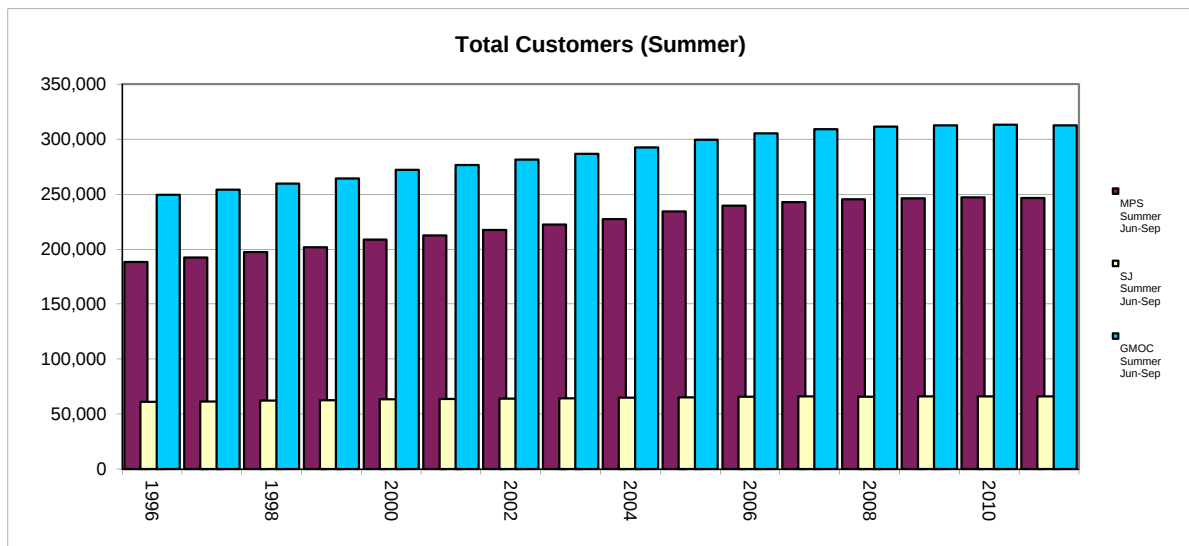
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00-'05	-2.6%	-2.6%	-2.6%	#DIV/0!	#DIV/0!	#DIV/0!	-2.6%	-2.6%	-2.6%
05-'10	-6.5%	-6.5%	-6.5%	#DIV/0!	#DIV/0!	#DIV/0!	-6.5%	-6.5%	-6.5%
10-'11	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!	#DIV/0!	0.0%	0.0%	0.0%
00-'11	-4.2%	-4.2%	-4.2%	#DIV/0!	#DIV/0!	#DIV/0!	-4.2%	-4.2%	-4.2%



Plot 3A-7 MPS & SJ Residential Customers

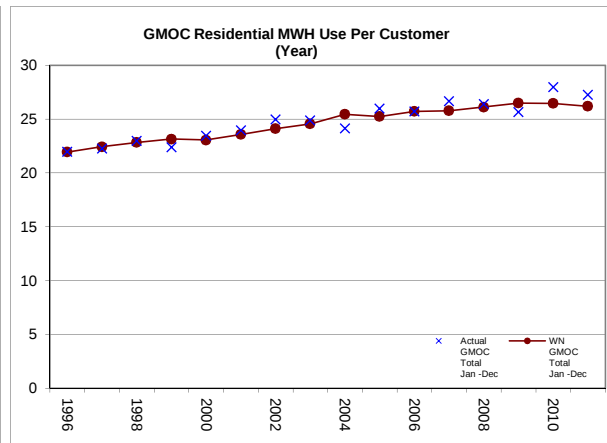
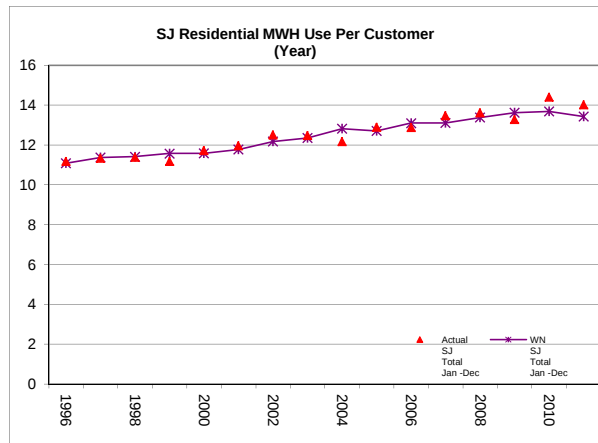
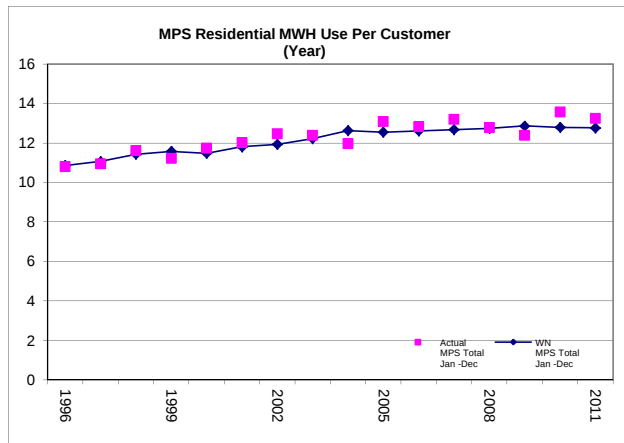
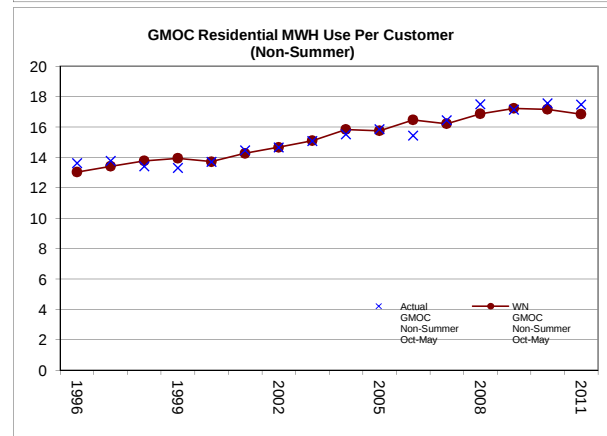
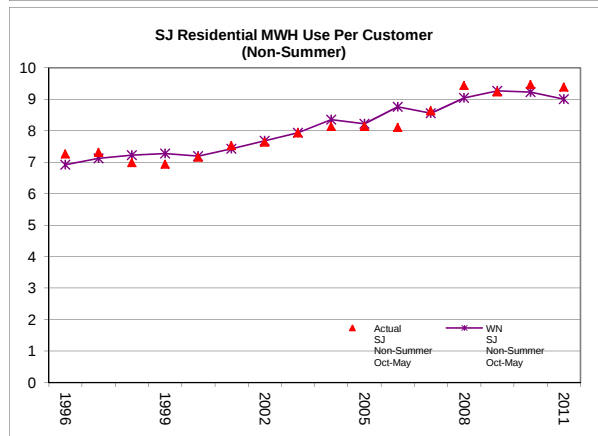
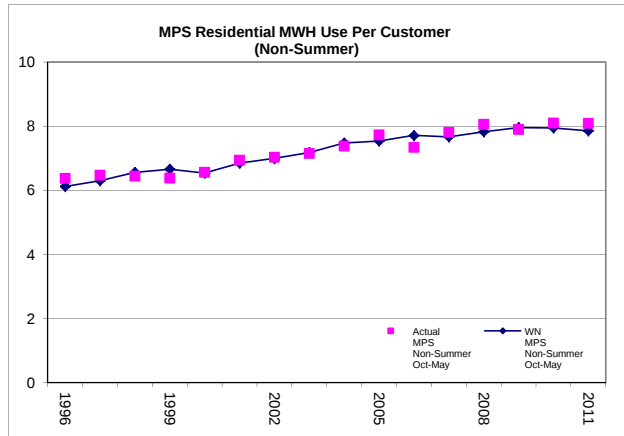
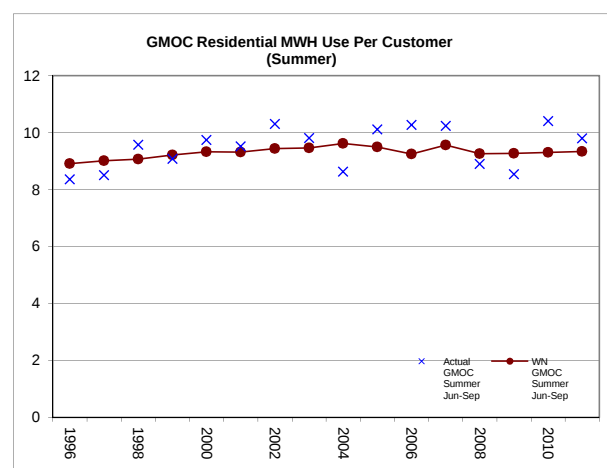
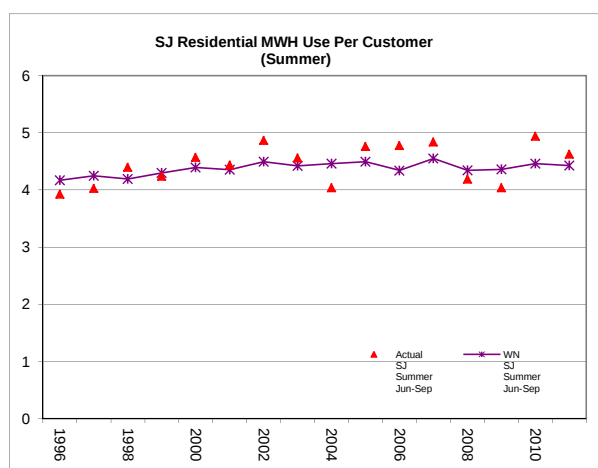
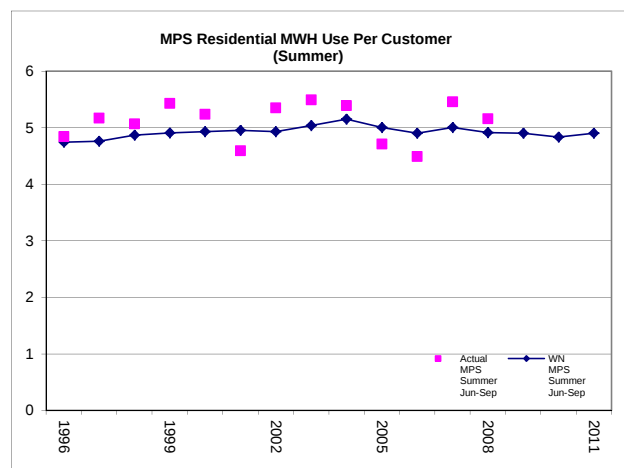
Year	MPS Summer Jun-Sep	MPS Non-Summer Oct-May	MPS Total Jan -Dec	SJ Summer Jun-Sep	SJ Non-Summer Oct-May	SJ Total Jan -Dec	GMOC Summer Jun-Sep	GMOC Non-Summer Oct-May	GMOC Total Jan -Dec
1995	-	-	-	-	-	-	-	-	-
1996	188,140	187,711	187,854	61,195	61,231	61,218	249,335	248,942	249,072
1997	192,363	191,981	192,110	61,553	61,642	61,612	253,916	253,623	253,722
1998	197,187	196,276	196,580	62,226	62,253	62,245	259,413	258,529	258,825
1999	201,488	200,942	201,125	62,659	62,792	62,747	264,147	263,734	263,872
2000	208,654	207,171	207,665	63,377	63,320	63,338	272,031	270,491	271,003
2001	212,364	210,975	211,400	63,886	63,668	63,740	276,250	274,643	275,140
2002	217,375	215,788	216,299	64,021	63,847	63,905	281,396	279,635	280,204
2003	222,288	221,779	221,934	64,328	64,238	64,268	286,616	286,017	286,202
2004	227,326	226,821	227,026	64,882	64,643	64,722	292,208	291,464	291,748
2005	234,179	231,794	232,595	65,199	65,173	65,180	299,378	296,967	297,775
2006	239,367	237,987	238,425	65,726	65,592	65,635	305,093	303,579	304,060
2007	242,697	241,929	242,180	66,134	66,002	66,046	308,831	307,931	308,226
2008	245,232	244,482	244,725	65,912	65,857	65,876	311,144	310,339	310,601
2009	246,207	245,680	245,843	66,150	66,063	66,091	312,357	311,743	311,934
2010	246,927	246,112	246,366	66,118	66,013	66,049	313,045	312,125	312,415
2011	246,353	246,909	246,718	66,089	66,238	66,188	312,442	313,147	312,906

96-'00	2.6%	2.5%	2.5%	0.9%	0.8%	0.9%	2.2%	2.1%	2.1%
00-'05	2.3%	2.3%	2.3%	0.6%	0.6%	0.6%	1.9%	1.9%	1.9%
05-'10	1.1%	1.2%	1.2%	0.3%	0.3%	0.3%	0.9%	1.0%	1.0%
10-'11	-0.2%	0.3%	0.1%	0.0%	0.3%	0.2%	-0.2%	0.3%	0.2%
00-'11	1.5%	1.6%	1.6%	0.4%	0.4%	0.4%	1.3%	1.3%	1.3%



Plot 3A-8 MPS & SJ Residential MWH Use Per Customer
(Actual vs. Weather Normalized)

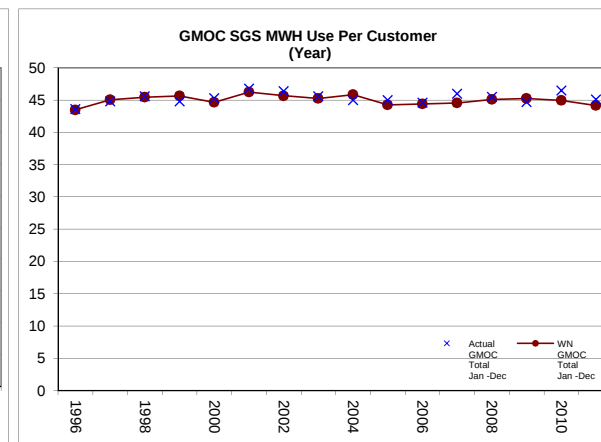
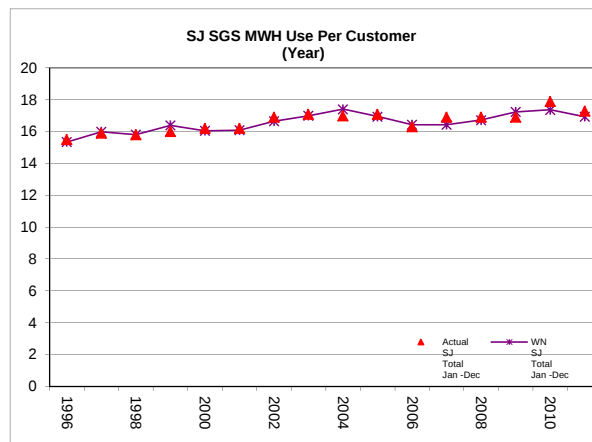
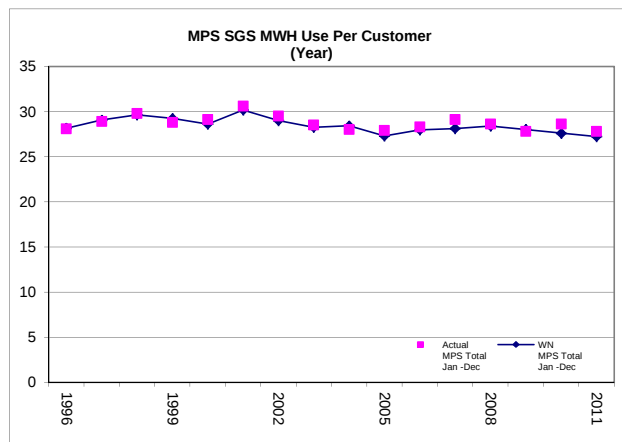
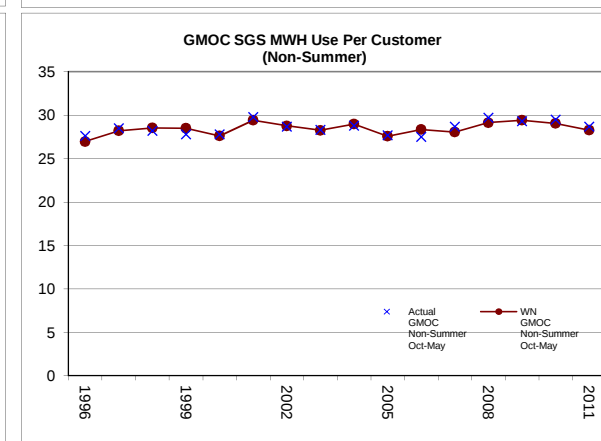
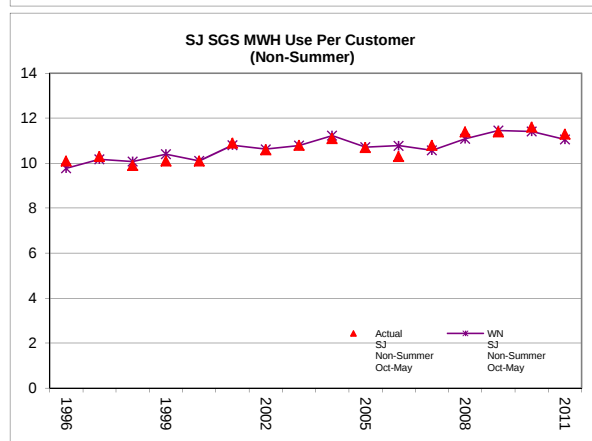
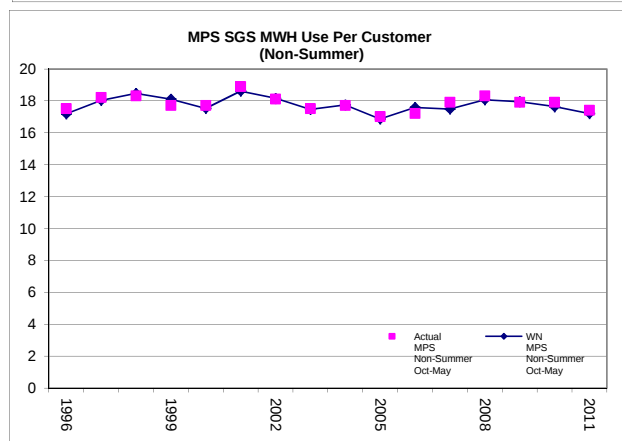
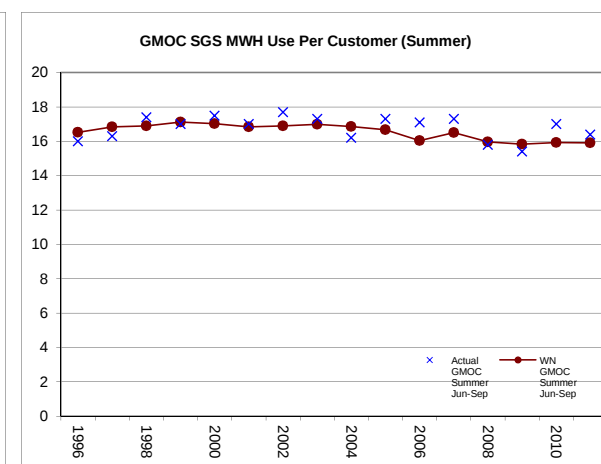
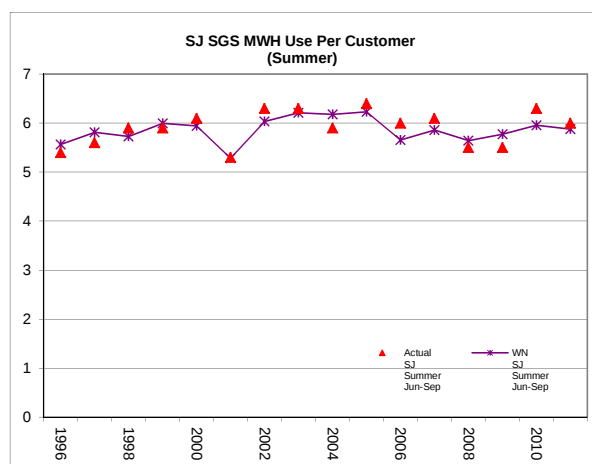
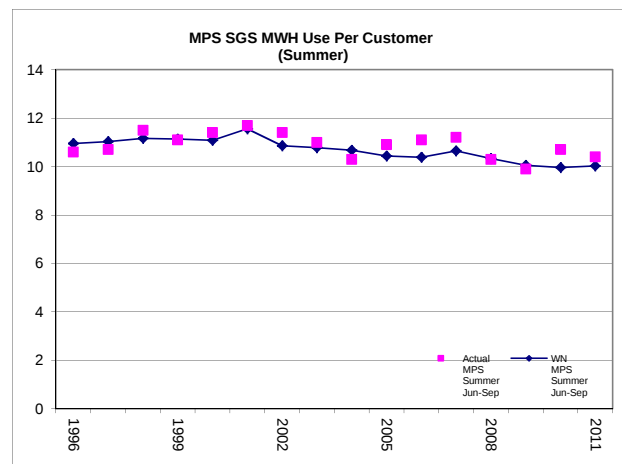
Year	Actual MPS Summer Jun-Sep	WN MPS Summer Jun-Sep	Actual MPS Non-Summer Oct-May	WN MPS Non-Summer Oct-May	Actual MPS Total Jan-Dec	WN MPS Total Jan-Dec	Actual SJ Summer Jun-Sep	WN SJ Summer Jun-Sep	Actual SJ Non-Summer Oct-May	WN SJ Non-Summer Oct-May	Actual SJ Total Jan-Dec	WN SJ Total Jan-Dec	Actual GMOC Summer Jun-Sep	WN GMOC Summer Jun-Sep	Actual GMOC Non-Summer Oct-May	WN GMOC Non-Summer Oct-May	Actual GMOC Total Jan-Dec	WN GMOC Total Jan-Dec
	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan-Dec	Jan-Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan-Dec	Jan-Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan-Dec	Jan-Dec
1995																		
1996	4.42	4.74	6.37	6.12	10.79	10.86	3.93	4.17	7.26	6.92	11.19	11.09	8.35	8.91	13.63	13.04	21.98	21.95
1997	4.47	4.76	6.47	6.30	10.94	11.06	4.03	4.25	7.31	7.12	11.34	11.37	8.50	9.01	13.78	13.43	22.28	22.43
1998	5.17	4.87	6.44	6.56	11.61	11.43	4.40	4.19	6.99	7.22	11.39	11.41	9.57	9.06	13.43	13.78	23.00	22.84
1999	4.84	4.91	6.38	6.66	11.22	11.58	4.24	4.30	6.94	7.28	11.18	11.57	9.08	9.21	13.32	13.94	22.40	23.15
2000	5.17	4.93	6.56	6.54	11.73	11.47	4.57	4.39	7.16	7.19	11.73	11.58	9.74	9.33	13.72	13.73	23.46	23.05
2001	5.07	4.95	6.94	6.85	12.01	11.81	4.44	4.36	7.53	7.42	11.97	11.78	9.51	9.31	14.47	14.27	23.98	23.58
2002	5.43	4.93	7.03	6.99	12.46	11.93	4.87	4.49	7.64	7.68	12.51	12.17	10.30	9.43	14.67	14.67	24.97	24.10
2003	5.24	5.04	7.15	7.18	12.39	12.22	4.56	4.42	7.93	7.93	12.49	12.35	9.80	9.46	15.08	15.11	24.88	24.56
2004	4.59	5.15	7.38	7.48	11.97	12.63	4.04	4.46	8.14	8.35	12.18	12.81	8.63	9.61	15.52	15.83	24.15	25.44
2005	5.35	5.00	7.73	7.54	13.08	12.54	4.76	4.49	8.14	8.22	12.90	12.71	10.11	9.49	15.87	15.76	25.98	25.25
2006	5.49	4.90	7.34	7.71	12.83	12.62	4.78	4.34	8.11	8.76	12.89	13.10	10.27	9.24	15.45	16.47	25.72	25.71
2007	5.39	5.00	7.81	7.67	13.20	12.67	4.84	4.55	8.64	8.56	13.48	13.11	10.23	9.55	16.45	16.23	26.68	25.78
2008	4.71	4.91	8.06	7.83	12.77	12.74	4.19	4.34	9.44	9.04	13.63	13.38	8.90	9.25	17.50	16.87	26.40	26.12
2009	4.49	4.91	7.90	7.95	12.39	12.86	4.04	4.36	9.24	9.27	13.28	13.63	8.53	9.26	17.14	17.22	25.67	26.49
2010	5.46	4.84	8.10	7.95	13.56	12.79	4.94	4.46	9.47	9.22	14.41	13.68	10.40	9.30	17.57	17.17	27.97	26.47
2011	5.16	4.91	8.09	7.86	13.25	12.76	4.63	4.43	9.39	9.00	14.02	13.43	9.79	9.33	17.48	16.86	27.27	26.19
96-'00	4.0%	1.0%	0.7%	1.7%	2.1%	1.4%	3.8%	1.3%	-0.3%	1.0%	1.2%	1.1%	3.9%	1.1%	0.2%	1.3%	1.6%	1.2%
00-'05	0.7%	0.3%	3.3%	2.9%	2.2%	1.8%	0.8%	0.4%	2.6%	2.7%	1.9%	1.9%	0.7%	0.4%	3.0%	2.8%	2.1%	1.8%
05-'10	0.4%	-0.7%	0.9%	1.1%	0.7%	0.4%	0.7%	-0.1%	3.1%	2.3%	2.2%	1.5%	0.6%	-0.4%	2.1%	1.7%	1.5%	0.9%
10-'11	-5.5%	1.4%	-0.1%	-1.2%	-2.3%	-0.2%	-6.3%	-0.8%	-0.8%	-2.4%	-2.7%	-1.9%	-5.9%	0.4%	-0.5%	-1.8%	-2.5%	-1.1%
00-'11	0.0%	-0.1%	1.9%	1.7%	1.1%	1.0%	0.1%	0.1%	2.5%	2.1%	1.6%	1.4%	0.0%	0.0%	2.2%	1.9%	1.4%	1.2%



Plot 3A-9 MPS & SJ Small General Servicel MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	MPS	MPS	MPS	MPS	MPS	MPS	SJ	SJ	SJ	SJ	SJ	SJ	GMOC	GMOC	GMOC	GMOC	GMOC	GMOC
	Summer	Summer	Non-Summer	Non-Summer	Total	Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total
	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec
1995																		
1996	10.60	10.95	17.50	17.19	28.10	28.15	5.40	5.56	10.10	9.78	15.50	15.34	16.00	16.52	27.60	26.97	43.60	43.49
1997	10.70	11.03	18.20	18.03	28.90	29.05	5.60	5.81	10.30	10.17	15.90	15.98	16.30	16.84	28.50	28.20	44.80	45.04
1998	11.50	11.17	18.30	18.47	29.80	29.64	5.90	5.72	9.90	10.07	15.80	15.80	17.40	16.89	28.20	28.54	45.60	45.43
1999	11.10	11.13	17.70	18.10	28.80	29.23	5.90	5.99	10.10	10.40	16.00	16.39	17.00	17.13	27.80	28.50	44.80	45.63
2000	11.40	11.08	17.70	17.52	29.10	28.61	6.10	5.94	10.10	10.10	16.20	16.04	17.50	17.02	27.80	27.62	45.30	44.64
2001	11.70	11.56	18.90	18.61	30.60	30.17	5.30	5.28	10.90	10.80	16.20	16.08	17.00	16.84	29.80	29.41	46.80	46.25
2002	11.40	10.86	18.10	18.16	29.50	29.01	6.30	6.03	10.60	10.62	16.90	16.65	17.70	16.89	28.70	28.77	46.40	45.66
2003	11.00	10.78	17.50	17.47	28.50	28.25	6.30	6.21	10.80	10.78	17.10	16.99	17.30	16.99	28.30	28.26	45.60	45.24
2004	10.30	10.67	17.70	17.75	28.00	28.42	5.90	6.18	11.10	11.22	17.00	17.40	16.20	16.85	28.80	28.97	45.00	45.82
2005	10.90	10.44	17.00	16.87	27.90	27.31	6.40	6.23	10.70	10.71	17.10	16.94	17.30	16.66	27.70	27.58	45.00	44.24
2006	11.10	10.39	17.20	17.59	28.30	27.98	6.00	5.66	10.30	10.77	16.30	16.43	17.10	16.04	27.50	28.36	44.60	44.41
2007	11.20	10.65	17.90	17.48	29.10	28.13	6.10	5.85	10.80	10.57	16.90	16.43	17.30	16.50	28.70	28.05	46.00	44.55
2008	10.30	10.33	18.30	18.06	28.60	28.39	5.50	5.64	11.40	11.08	16.90	16.72	15.80	15.96	29.70	29.14	45.50	45.11
2009	9.90	10.05	17.90	17.95	27.80	28.01	5.50	5.77	11.40	11.45	16.90	17.22	15.40	15.82	29.30	29.41	44.70	45.23
2010	10.70	9.97	17.90	17.64	28.60	27.60	6.30	5.95	11.60	11.40	17.90	17.36	17.00	15.92	29.50	29.04	46.50	44.96
2011	10.40	10.03	17.40	17.21	27.80	27.24	6.00	5.87	11.30	11.05	17.30	16.93	16.40	15.90	28.70	28.26	45.10	44.17
96-'00	1.8%	0.3%	0.3%	0.5%	0.9%	0.4%	3.1%	1.6%	0.0%	0.8%	1.1%	1.1%	2.3%	0.8%	0.2%	0.6%	1.0%	0.7%
00-'05	-0.9%	-1.2%	-0.8%	-0.8%	-0.8%	-0.9%	1.0%	1.0%	1.2%	1.2%	1.1%	1.1%	-0.2%	-0.4%	-0.1%	0.0%	-0.1%	-0.2%
05-'10	-0.4%	-0.9%	1.0%	0.9%	0.5%	0.2%	-0.3%	-0.9%	1.6%	1.3%	0.9%	0.5%	-0.3%	-0.9%	1.3%	1.0%	0.7%	0.3%
10-'11	-2.8%	0.6%	-2.8%	-2.4%	-2.8%	-1.3%	-4.8%	-1.3%	-2.6%	-3.1%	-3.4%	-2.5%	-3.5%	-0.1%	-2.7%	-2.7%	-3.0%	-1.8%
00-'11	-0.8%	-0.9%	-0.2%	-0.2%	-0.4%	-0.4%	-0.2%	-0.1%	1.0%	0.8%	0.6%	0.5%	-0.6%	-0.6%	0.3%	0.2%	0.0%	-0.1%

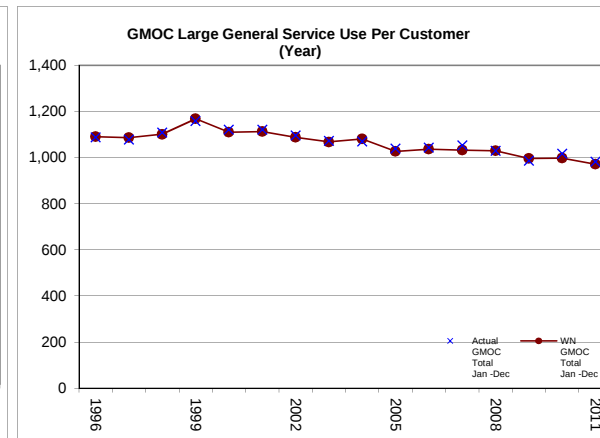
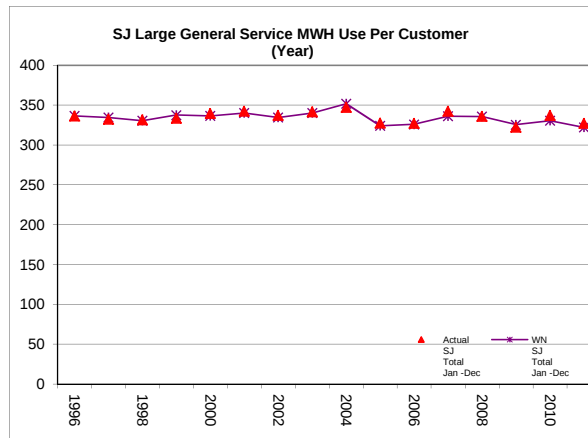
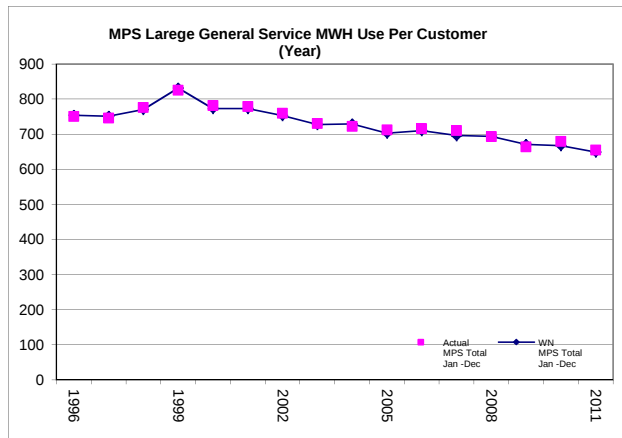
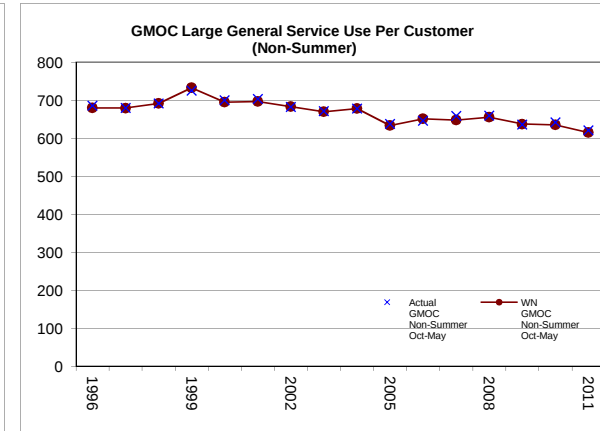
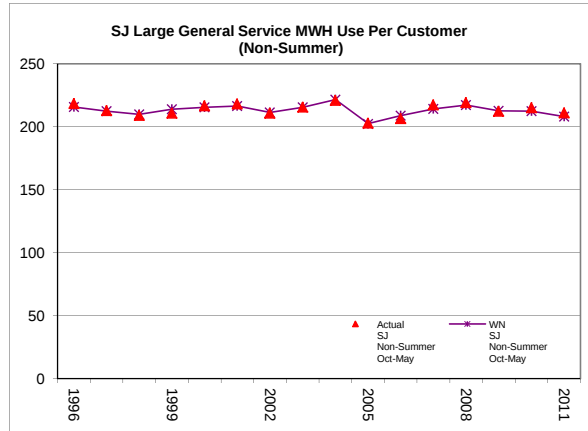
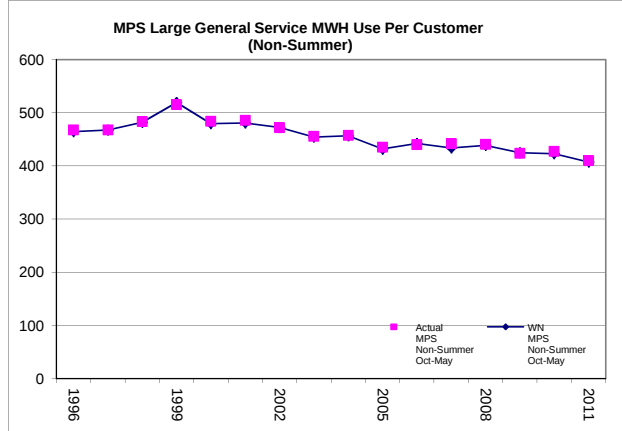
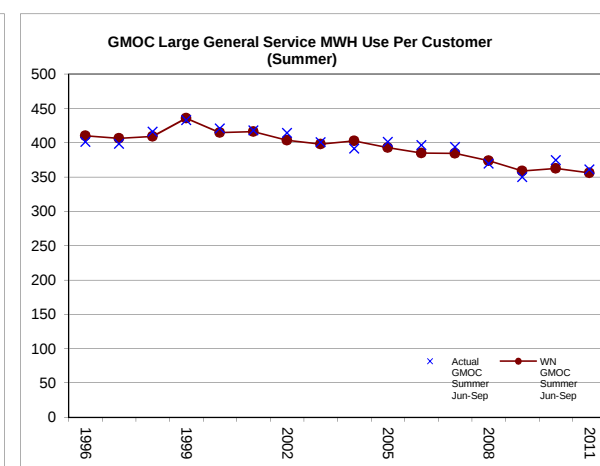
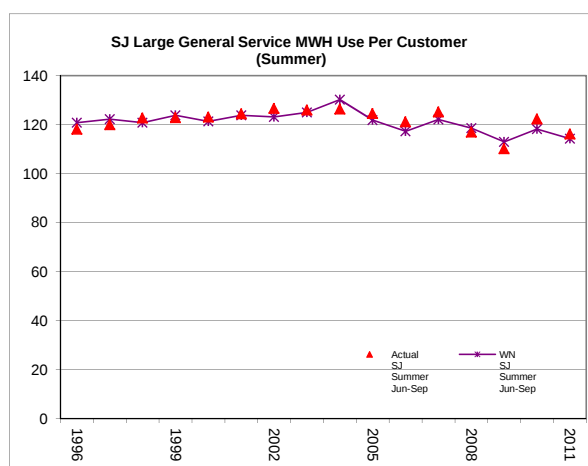
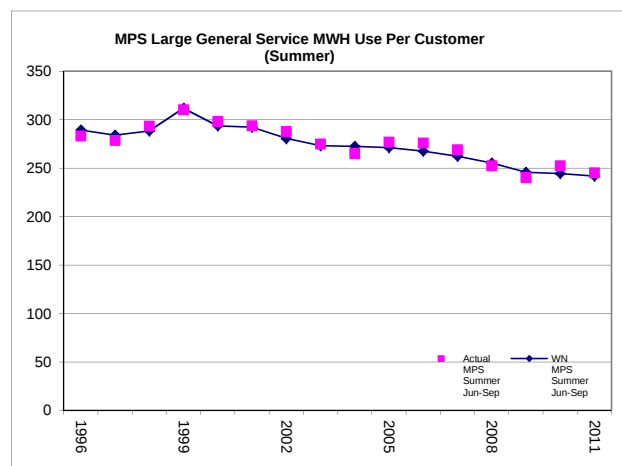
*St. Joseph Light Power had no industrial small general service customers 2001 -2005



Plot 3A-10 MPS & SJ Large General Service MWH Use Per Customer
(Actual vs. Weather Normalized)

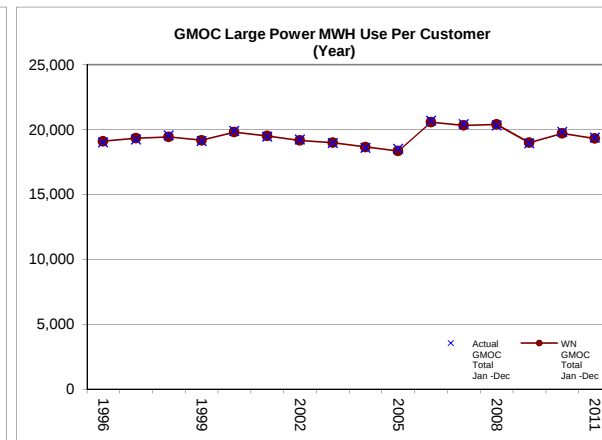
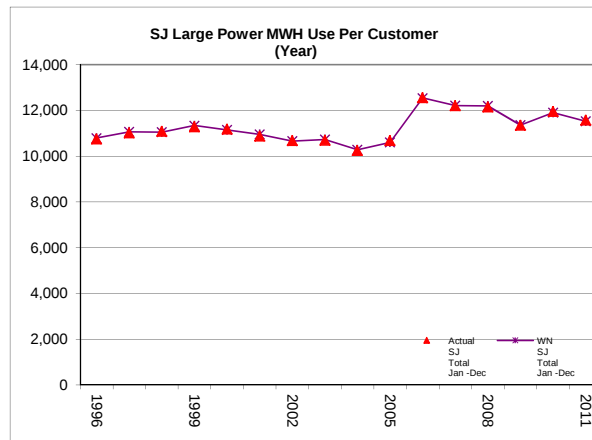
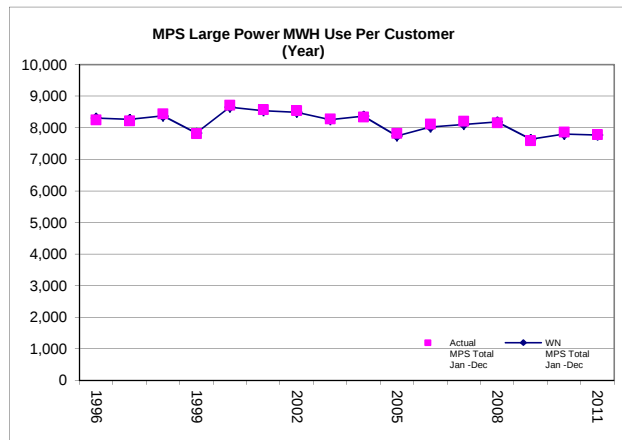
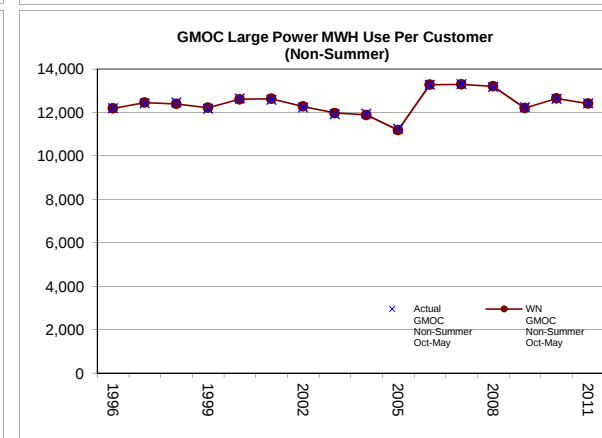
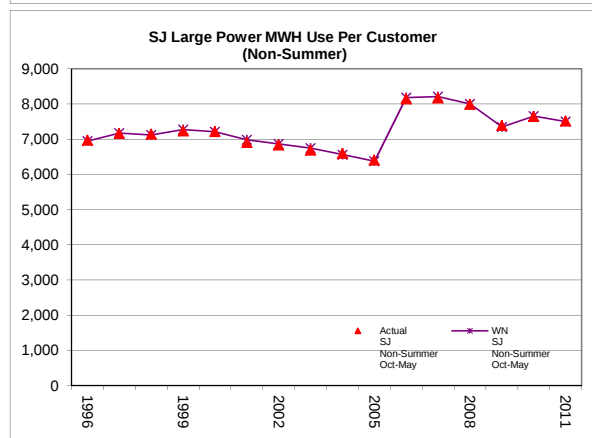
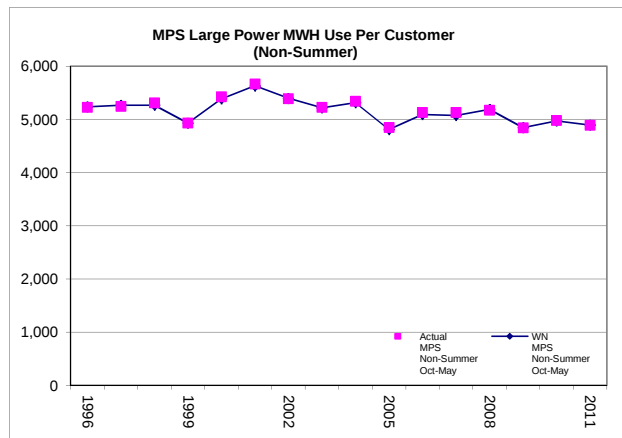
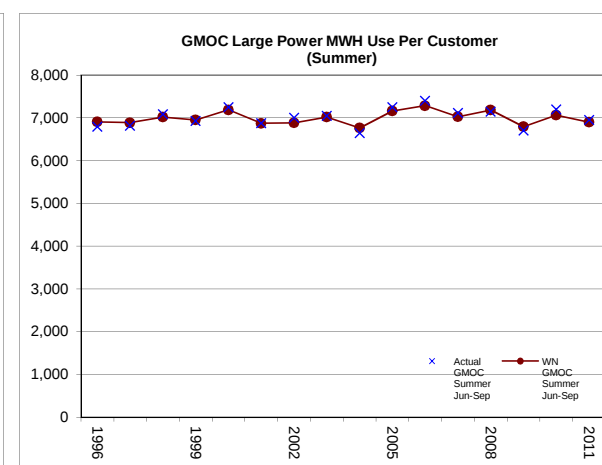
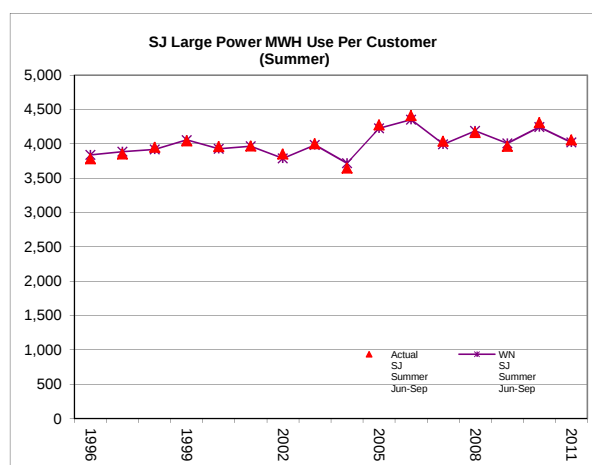
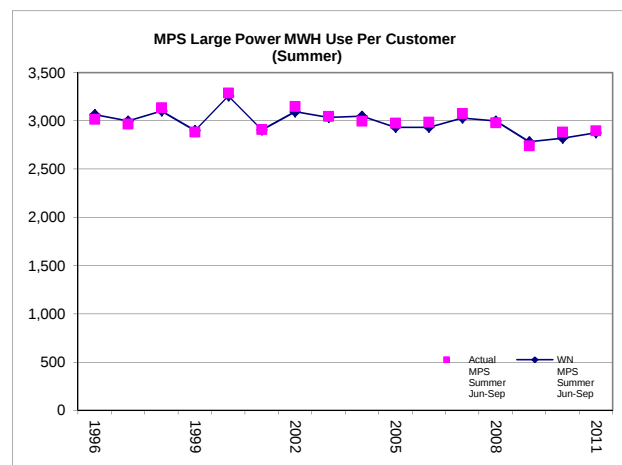
Year	Actual MPS Summer Jun-Sep	WN MPS Summer Jun-Sep	Actual MPS Non-Summer Oct-May	WN MPS Non-Summer Oct-May	Actual MPS Total Jan -Dec	WN MPS Total Jan -Dec	Actual SJ Summer Jun-Sep	WN SJ Summer Jun-Sep	Actual SJ Non-Summer Oct-May	WN SJ Non-Summer Oct-May	Actual SJ Total Jan -Dec	WN SJ Total Jan -Dec	Actual GMOC Summer Jun-Sep	WN GMOC Summer Jun-Sep	Actual GMOC Non-Summer Oct-May	WN GMOC Non-Summer Oct-May	Actual GMOC Total Jan -Dec	WN GMOC Total Jan -Dec
	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	283	289	468	464	751	754	118	121	218	216	337	336	401	410	686	680	1,087	1,090
1997	279	284	468	467	746	752	120	122	213	212	333	334	399	406	680	680	1,079	1,086
1998	293	288	483	482	776	771	123	121	209	210	332	330	416	409	692	692	1,108	1,101
1999	310	312	515	519	825	831	123	124	211	214	334	338	433	436	726	733	1,159	1,169
2000	298	294	483	480	781	773	123	121	217	215	340	337	421	415	700	695	1,121	1,110
2001	294	292	485	480	779	773	124	124	218	216	343	340	418	416	704	697	1,122	1,113
2002	288	281	472	472	759	753	127	123	211	211	337	334	414	404	682	684	1,097	1,087
2003	275	273	456	454	731	727	126	125	216	215	342	340	401	398	671	670	1,072	1,068
2004	265	272	457	457	722	729	126	130	221	222	347	352	391	403	678	678	1,070	1,081
2005	277	271	435	432	712	703	125	122	203	202	328	324	401	393	638	634	1,040	1,027
2006	276	268	440	442	716	710	121	117	206	209	328	326	397	385	646	651	1,043	1,036
2007	269	262	442	434	710	696	125	122	217	214	343	336	394	384	659	648	1,053	1,032
2008	252	255	441	439	693	694	117	118	219	217	336	336	369	374	660	656	1,029	1,029
2009	240	246	424	425	664	671	110	113	212	213	322	325	350	359	636	638	986	996
2010	252	244	427	423	679	668	122	118	215	212	338	330	375	363	642	635	1,017	998
2011	245	242	410	407	655	649	116	114	211	208	327	322	361	356	621	615	982	971

96-'00	1.3%	0.4%	0.8%	0.8%	1.0%	0.6%	1.0%	0.1%	-0.2%	0.0%	0.2%	0.0%	1.2%	0.3%	0.5%	0.6%	0.8%	0.5%
00-'05	-1.5%	-1.6%	-2.1%	-2.1%	-1.8%	-1.9%	0.3%	0.1%	-1.3%	-1.2%	-0.7%	-0.8%	-1.0%	-1.1%	-1.8%	-1.8%	-1.5%	-1.5%
05-'10	-1.8%	-2.1%	-0.4%	-0.4%	-0.9%	-1.0%	-0.4%	-0.6%	1.2%	1.0%	0.6%	0.4%	-1.4%	-1.6%	0.1%	0.0%	-0.4%	-0.6%
10-'11	-3.0%	-1.1%	-4.0%	-3.8%	-3.6%	-2.8%	-5.1%	-3.4%	-1.8%	-2.0%	-3.0%	-2.5%	-3.7%	-1.8%	-3.3%	-3.2%	-3.4%	-2.7%
00-'11	-1.8%	-1.8%	-1.5%	-1.5%	-1.6%	-1.6%	-0.5%	-0.5%	-0.2%	-0.3%	-0.3%	-0.4%	-1.4%	-1.4%	-1.1%	-1.1%	-1.2%	-1.2%



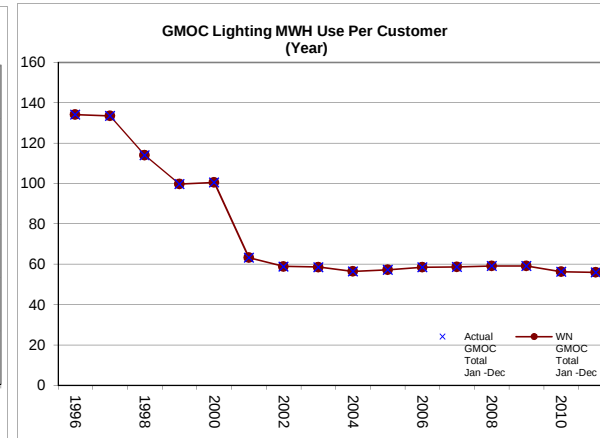
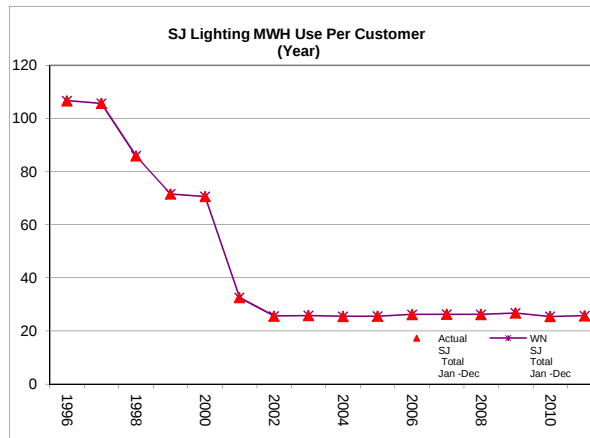
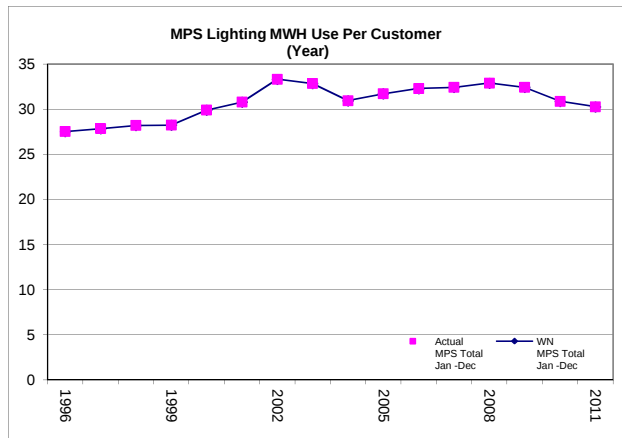
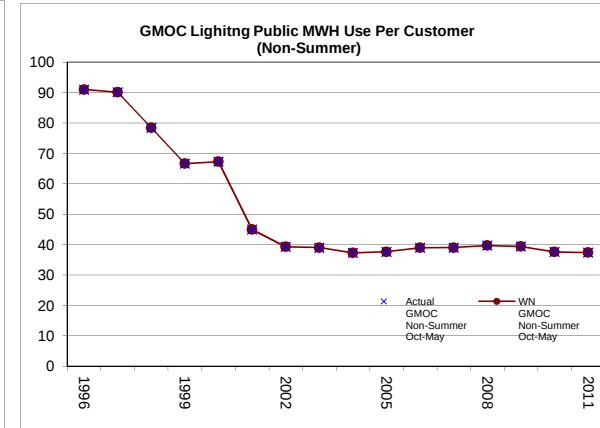
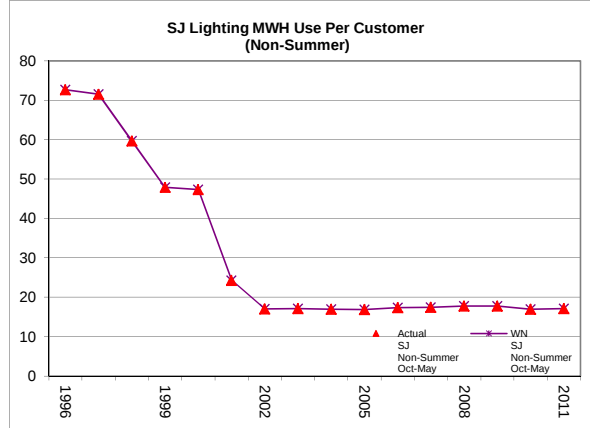
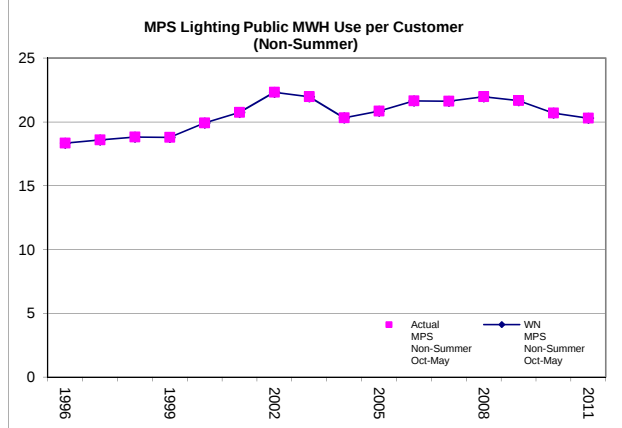
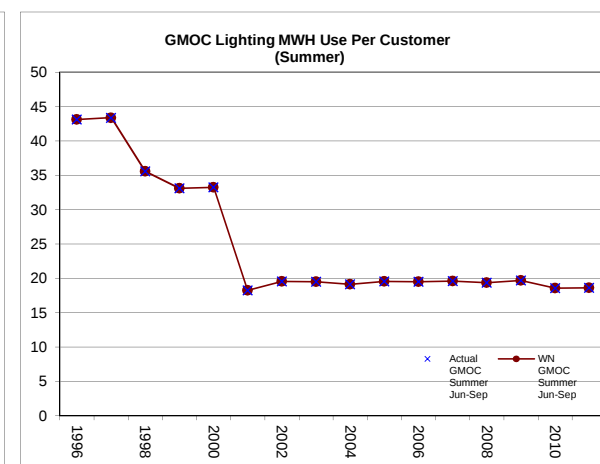
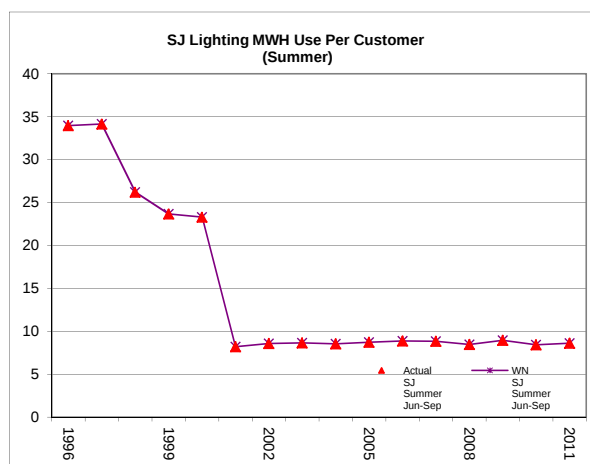
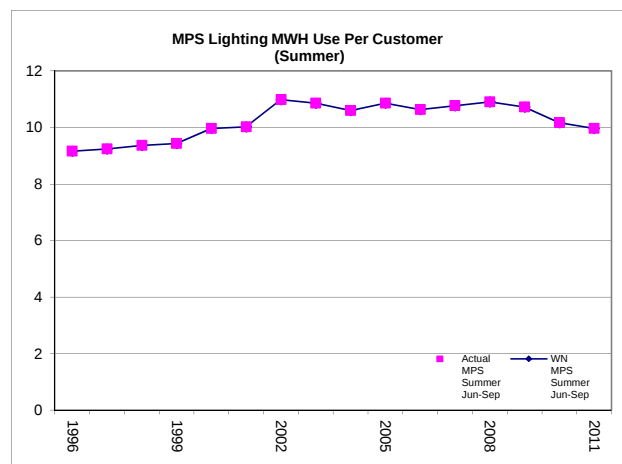
**Plot 3A-11 MPS & SJ Large Power MWH Use Per Customer
(Actual vs. Weather Normalized)**

Year	Actual MPS Summer Jun-Sep	WN MPS Summer Jun-Sep	Actual MPS Non-Summer Oct-May	WN MPS Non-Summer Oct-May	Actual MPS Total Jan-Dec	WN MPS Total Jan-Dec	Actual SJ Summer Jun-Sep	WN SJ Summer Jun-Sep	Actual SJ Non-Summer Oct-May	WN SJ Non-Summer Oct-May	Actual SJ Total Jan-Dec	WN SJ Total Jan-Dec	Actual GMOC Summer Jun-Sep	WN GMOC Summer Jun-Sep	Actual GMOC Non-Summer Oct-May	WN GMOC Non-Summer Oct-May	Actual GMOC Total Jan-Dec	WN GMOC Total Jan-Dec
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	3,015	3,064	5,227	5,240	8,242	8,304	3,781	3,839	6,973	6,949	10,754	10,788	6,796	6,903	12,200	12,189	18,996	19,092
1997	2,965	2,999	5,247	5,268	8,212	8,267	3,852	3,888	7,172	7,176	11,024	11,064	6,817	6,886	12,419	12,444	19,236	19,331
1998	3,133	3,102	5,311	5,270	8,443	8,372	3,950	3,919	7,146	7,124	11,096	11,042	7,083	7,020	12,456	12,394	19,539	19,414
1999	2,884	2,897	4,932	4,931	7,816	7,829	4,044	4,055	7,240	7,278	11,284	11,333	6,927	6,953	12,172	12,209	19,100	19,162
2000	3,287	3,257	5,423	5,390	8,709	8,648	3,959	3,928	7,223	7,213	11,182	11,141	7,246	7,186	12,646	12,603	19,891	19,789
2001	2,909	2,907	5,666	5,633	8,575	8,540	3,969	3,964	6,911	6,986	10,881	10,951	6,878	6,871	12,578	12,619	19,456	19,490
2002	3,148	3,093	5,391	5,398	8,539	8,491	3,855	3,787	6,837	6,869	10,692	10,656	7,003	6,880	12,228	12,267	19,231	19,147
2003	3,046	3,036	5,229	5,221	8,275	8,257	4,002	3,982	6,691	6,747	10,693	10,730	7,048	7,018	11,920	11,968	18,968	18,986
2004	2,995	3,047	5,343	5,318	8,338	8,364	3,649	3,718	6,608	6,563	10,257	10,280	6,644	6,765	11,951	11,880	18,595	18,645
2005	2,975	2,933	4,845	4,809	7,820	7,743	4,277	4,227	6,410	6,375	10,687	10,603	7,252	7,161	11,255	11,185	18,507	18,345
2006	2,986	2,930	5,129	5,094	8,115	8,024	4,412	4,352	8,149	8,185	12,561	12,537	7,398	7,283	13,279	13,279	20,676	20,561
2007	3,073	3,029	5,133	5,077	8,206	8,107	4,040	3,994	8,176	8,216	12,215	12,210	7,113	7,024	13,308	13,293	20,421	20,317
2008	2,980	2,999	5,173	5,189	8,153	8,189	4,163	4,186	7,993	8,006	12,156	12,192	7,143	7,185	13,166	13,195	20,309	20,380
2009	2,740	2,784	4,844	4,850	7,584	7,634	3,963	4,006	7,397	7,349	11,360	11,355	6,703	6,790	12,241	12,198	18,944	18,989
2010	2,882	2,821	4,981	4,975	7,864	7,795	4,311	4,243	7,650	7,661	11,961	11,904	7,193	7,064	12,631	12,635	19,825	19,699
2011	2,896	2,874	4,888	4,894	7,783	7,769	4,057	4,020	7,525	7,505	11,582	11,525	6,952	6,894	12,413	12,400	19,365	19,294
96-'00	2.2%	1.5%	0.9%	0.7%	1.4%	1.0%	1.2%	0.6%	0.9%	0.9%	1.0%	0.8%	1.6%	1.0%	0.9%	0.8%	1.2%	0.9%
00-'05	-2.0%	-2.1%	-2.2%	-2.3%	-2.1%	-2.2%	1.6%	1.5%	-2.4%	-2.4%	-0.9%	-1.0%	0.0%	-0.1%	-2.3%	-2.4%	-1.4%	-1.5%
05-'10	-0.6%	-0.8%	0.6%	0.7%	0.1%	0.1%	0.2%	0.1%	3.6%	3.7%	2.3%	2.3%	-0.2%	-0.3%	2.3%	2.5%	1.4%	1.4%
10-'11	0.5%	1.9%	-1.9%	-1.6%	-1.0%	-0.3%	-5.9%	-5.3%	-1.6%	-2.0%	-3.2%	-3.2%	-3.4%	-2.4%	-1.7%	-1.9%	-2.3%	-2.1%
00-'11	-1.1%	-1.1%	-0.9%	-0.9%	-1.0%	-1.0%	0.2%	0.2%	0.4%	0.4%	0.3%	0.3%	-0.4%	-0.4%	-0.2%	-0.1%	-0.2%	-0.2%



Plot 3A-12 MPS & SJ Lighting MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual MPS	WN MPS	Actual MPS	WN MPS	Actual MPS	WN MPS	Actual SJ	WN SJ	Actual SJ	WN SJ	Actual SJ	WN SJ	Actual GMOC	WN GMOC	Actual GMOC	WN GMOC	Actual GMOC	WN GMOC
	Summer	Summer	Non-Summer	Non-Summer	Total	Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total
	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	9.16	9.16	18.34	18.34	27.50	27.50	33.97	33.97	72.71	72.71	106.68	106.68	43.13	43.13	91.05	91.05	134.18	134.18
1997	9.24	9.24	18.59	18.59	27.83	27.83	34.14	34.14	71.54	71.54	105.68	105.68	43.38	43.38	90.13	90.13	133.51	133.51
1998	9.37	9.37	18.82	18.82	28.19	28.19	26.19	26.19	59.68	59.68	85.87	85.87	35.56	35.56	78.50	78.50	114.06	114.06
1999	9.43	9.43	18.80	18.80	28.23	28.23	23.67	23.67	47.88	47.88	71.55	71.55	33.10	33.10	66.68	66.68	99.78	99.78
2000	9.97	9.97	19.92	19.92	29.89	29.89	23.28	23.28	47.35	47.35	70.63	70.63	33.25	33.25	67.27	67.27	100.52	100.52
2001	10.02	10.02	20.74	20.74	30.76	30.76	8.21	8.21	24.30	24.30	32.51	32.51	18.23	18.23	45.04	45.04	63.27	63.27
2002	10.99	10.99	22.32	22.32	33.31	33.31	8.58	8.58	17.01	17.01	25.59	25.59	19.57	19.57	39.33	39.33	58.90	58.90
2003	10.86	10.86	21.97	21.97	32.83	32.83	8.65	8.65	17.09	17.09	25.74	25.74	19.51	19.51	39.06	39.06	58.57	58.57
2004	10.60	10.60	20.33	20.33	30.93	30.93	8.53	8.53	16.96	16.96	25.49	25.49	19.13	19.13	37.29	37.29	56.42	56.42
2005	10.86	10.86	20.84	20.84	31.70	31.70	8.71	8.71	16.84	16.84	25.55	25.55	19.57	19.57	37.68	37.68	57.25	57.25
2006	10.63	10.63	21.65	21.65	32.28	32.28	8.86	8.86	17.34	17.34	26.20	26.20	19.49	19.49	38.99	38.99	58.48	58.48
2007	10.77	10.77	21.62	21.62	32.39	32.39	8.83	8.83	17.43	17.43	26.26	26.26	19.60	19.60	39.05	39.05	58.65	58.65
2008	10.91	10.91	21.97	21.97	32.88	32.88	8.46	8.46	17.75	17.75	26.21	26.21	19.37	19.37	39.72	39.72	59.09	59.09
2009	10.73	10.73	21.67	21.67	32.40	32.40	8.96	8.96	17.77	17.77	26.73	26.73	19.69	19.69	39.44	39.44	59.13	59.13
2010	10.17	10.17	20.69	20.69	30.86	30.86	8.42	8.42	16.97	16.97	25.39	25.39	18.59	18.59	37.66	37.66	56.25	56.25
2011	9.97	9.97	20.29	20.29	30.26	30.26	8.63	8.63	17.09	17.09	25.72	25.72	18.60	18.60	37.38	37.38	55.98	55.98
96-'00	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%	-9.0%	-9.0%	-10.2%	-10.2%	-9.8%	-9.8%	-6.3%	-6.3%	-7.3%	-7.3%	-7.0%	-7.0%
00-'05	1.7%	1.7%	0.9%	0.9%	1.2%	1.2%	-17.9%	-17.9%	-18.7%	-18.7%	-18.4%	-18.4%	-10.1%	-10.1%	-10.9%	-10.9%	-10.6%	-10.6%
05-'10	-1.3%	-1.3%	-0.1%	-0.1%	-0.5%	-0.5%	-0.7%	-0.7%	0.2%	0.2%	-0.1%	-0.1%	-1.0%	-1.0%	0.0%	0.0%	-0.4%	-0.4%
10-'11	-2.0%	-2.0%	-1.9%	-1.9%	-1.9%	-1.9%	2.5%	2.5%	0.7%	0.7%	1.3%	1.3%	0.1%	0.1%	-0.7%	-0.7%	-0.5%	-0.5%
00-'11	0.0%	0.0%	0.2%	0.2%	0.1%	0.1%	-8.6%	-8.6%	-8.8%	-8.8%	-8.8%	-8.8%	-5.1%	-5.1%	-5.2%	-5.2%	-5.2%	-5.2%

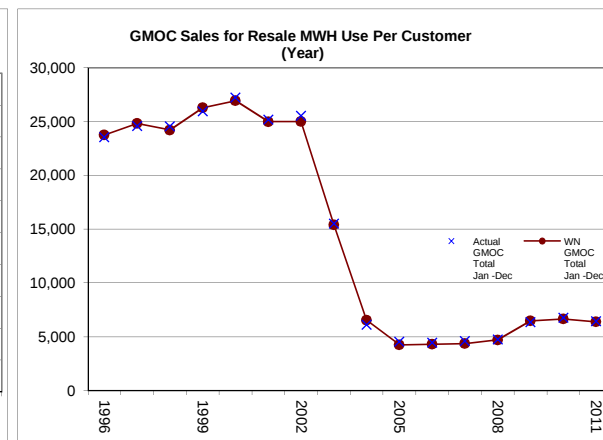
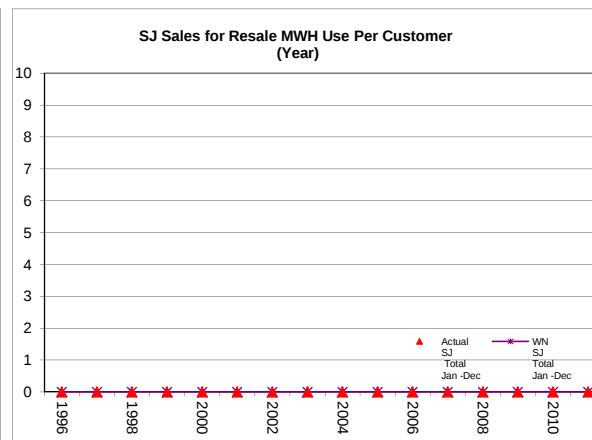
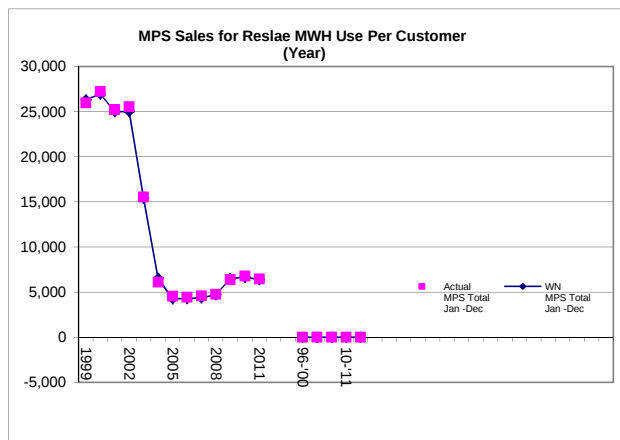
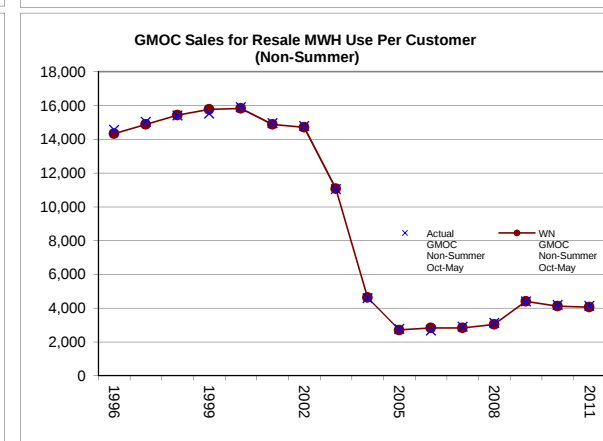
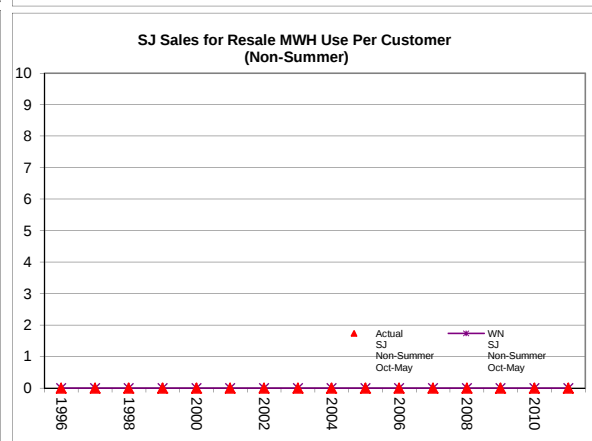
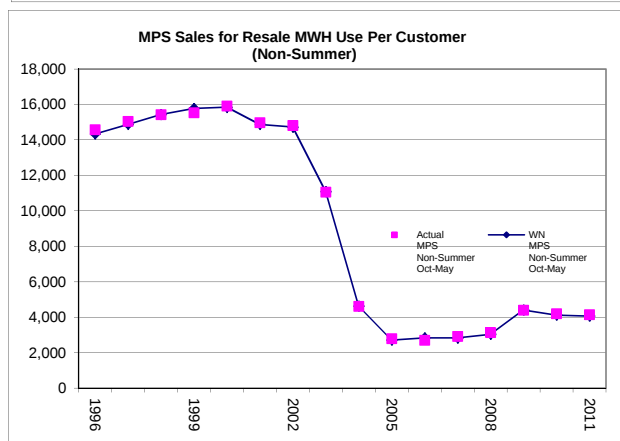
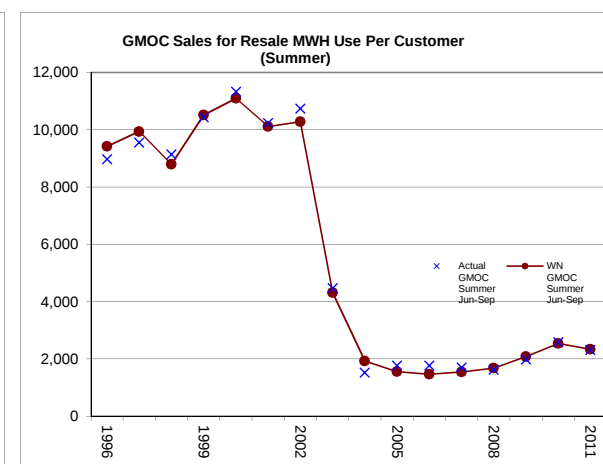
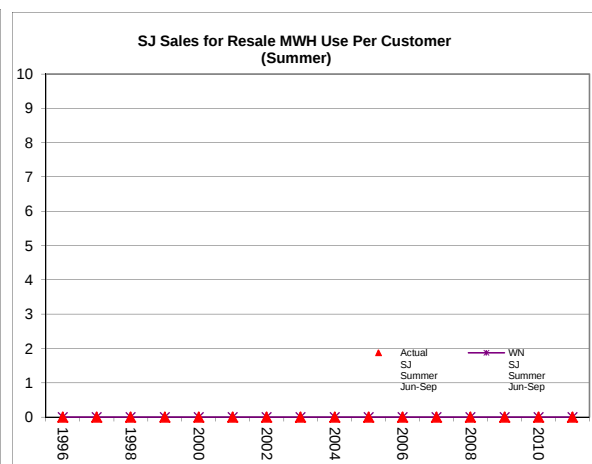
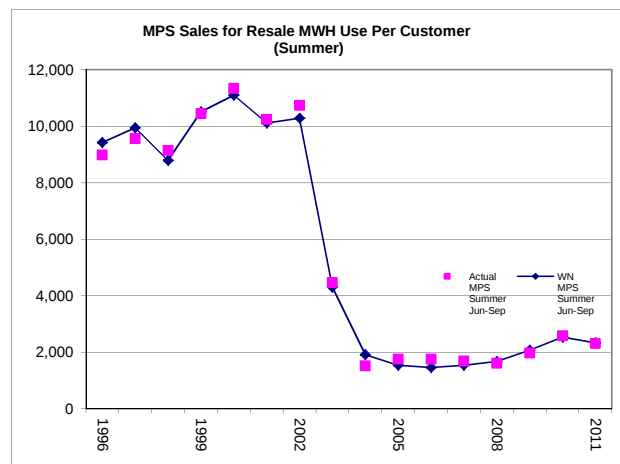


*SJLP customer count changed after merger with MPS and changes were made to the methodology to counting the lighting customers.

Plot 3A-12 MPS & SJ Sales for Resale MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual MPS Summer Jun-Sep	WN MPS Summer Jun-Sep	Actual MPS Non-Summer Oct-May	WN MPS Non-Summer Oct-May	Actual MPS Total Jan-Dec	WN MPS Total Jan-Dec	Actual SJ Summer Jun-Sep	WN SJ Summer Jun-Sep	Actual SJ Non-Summer Oct-May	WN SJ Non-Summer Oct-May	Actual SJ Total Jan-Dec	WN SJ Total Jan-Dec	Actual GMOC Summer Jun-Sep	WN GMOC Summer Jun-Sep	Actual GMOC Non-Summer Oct-May	WN GMOC Non-Summer Oct-May	Actual GMOC Total Jan-Dec	WN GMOC Total Jan-Dec
1995																		
1996	8,976.62	9,422.88	14,560.22	14,336.73	23,536.84	23,759.61	0.00	0.00	0.00	0.00	0.00	0.00	8,976.62	9,422.88	14,560.22	14,336.73	23,536.84	23,759.61
1997	9,560.85	9,941.21	15,038.73	14,875.69	24,599.58	24,816.91	0.00	0.00	0.00	0.00	0.00	0.00	9,560.85	9,941.21	15,038.73	14,875.69	24,599.58	24,816.91
1998	9,140.37	8,790.63	15,410.96	15,424.63	24,551.33	24,215.26	0.00	0.00	0.00	0.00	0.00	0.00	9,140.37	8,790.63	15,410.96	15,424.63	24,551.33	24,215.26
1999	10,438.58	10,514.87	15,524.12	15,779.40	25,962.70	26,294.27	0.00	0.00	0.00	0.00	0.00	0.00	10,438.58	10,514.87	15,524.12	15,779.40	25,962.70	26,294.27
2000	11,333.00	11,101.43	15,902.63	15,837.48	27,235.63	26,938.91	0.00	0.00	0.00	0.00	0.00	0.00	11,333.00	11,101.43	15,902.63	15,837.48	27,235.63	26,938.91
2001	10,236.44	10,115.40	14,957.43	14,875.83	25,193.87	24,991.24	0.00	0.00	0.00	0.00	0.00	0.00	10,236.44	10,115.40	14,957.43	14,875.83	25,193.87	24,991.24
2002	10,737.43	10,279.35	14,795.53	14,719.38	25,532.96	24,998.73	0.00	0.00	0.00	0.00	0.00	0.00	10,737.43	10,279.35	14,795.53	14,719.38	25,532.96	24,998.73
2003	4,467.63	4,308.36	11,053.62	11,082.30	15,521.25	15,390.66	0.00	0.00	0.00	0.00	0.00	0.00	4,467.63	4,308.36	11,053.62	11,082.30	15,521.25	15,390.66
2004	1,520.62	1,918.79	4,603.83	4,625.03	6,124.45	6,543.83	0.00	0.00	0.00	0.00	0.00	0.00	1,520.62	1,918.79	4,603.83	4,625.03	6,124.45	6,543.83
2005	1,760.60	1,547.07	2,777.68	2,710.10	4,538.28	4,257.16	0.00	0.00	0.00	0.00	0.00	0.00	1,760.60	1,547.07	2,777.68	2,710.10	4,538.28	4,257.16
2006	1,763.87	1,462.13	2,689.90	2,840.03	4,453.77	4,302.16	0.00	0.00	0.00	0.00	0.00	0.00	1,763.87	1,462.13	2,689.90	2,840.03	4,453.77	4,302.16
2007	1,694.68	1,542.60	2,904.04	2,829.37	4,598.72	4,371.97	0.00	0.00	0.00	0.00	0.00	0.00	1,694.68	1,542.60	2,904.04	2,829.37	4,598.72	4,371.97
2008	1,617.87	1,674.39	3,128.82	3,035.25	4,746.69	4,709.65	0.00	0.00	0.00	0.00	0.00	0.00	1,617.87	1,674.39	3,128.82	3,035.25	4,746.69	4,709.65
2009	1,977.47	2,073.12	4,399.65	4,408.63	6,377.12	6,481.75	0.00	0.00	0.00	0.00	0.00	0.00	1,977.47	2,073.12	4,399.65	4,408.63	6,377.12	6,481.75
2010	2,584.29	2,535.16	4,194.89	4,118.91	6,779.18	6,654.06	0.00	0.00	0.00	0.00	0.00	0.00	2,584.29	2,535.16	4,194.89	4,118.91	6,779.18	6,654.06
2011	2,314.80	2,335.07	4,143.25	4,058.14	6,458.05	6,393.21	0.00	0.00	0.00	0.00	0.00	0.00	2,314.80	2,335.07	4,143.25	4,058.14	6,458.05	6,393.21
96-'00	6.0%	4.2%	2.2%	2.5%	3.7%	3.2%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	6.0%	4.2%	2.2%	2.5%	3.7%	3.2%
00-'05	-31.1%	-32.6%	-29.5%	-29.7%	-30.1%	-30.9%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-31.1%	-32.6%	-29.5%	-29.7%	-30.1%	-30.9%
05-'10	8.0%	10.4%	8.6%	8.7%	8.4%	9.3%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	8.0%	10.4%	8.6%	8.7%	8.4%	9.3%
10-'11	-10.4%	-7.9%	-1.2%	-1.5%	-4.7%	-3.9%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-10.4%	-7.9%	-1.2%	-1.5%	-4.7%	-3.9%
00-'11	-13.4%	-13.2%	-11.5%	-11.6%	-12.3%	-12.3%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-13.4%	-13.2%	-11.5%	-11.6%	-12.3%	-12.3%

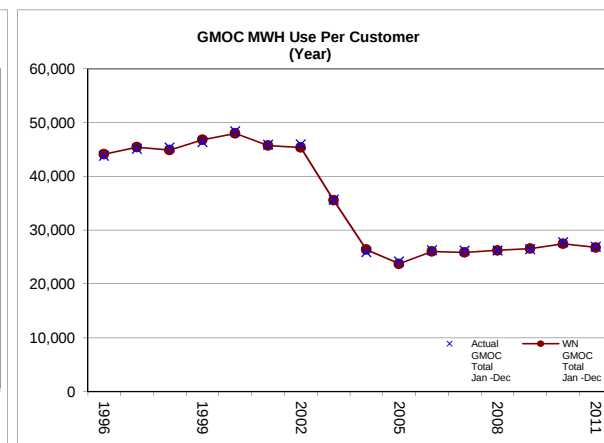
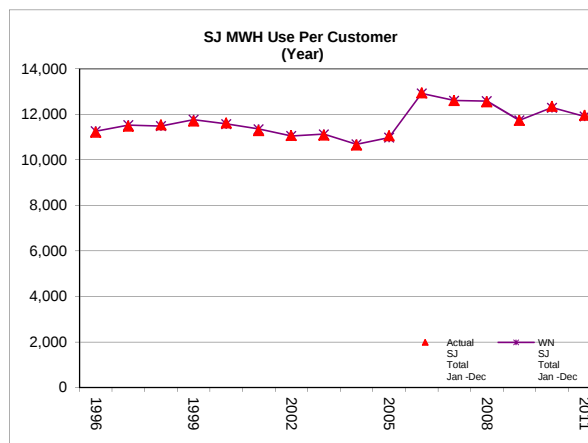
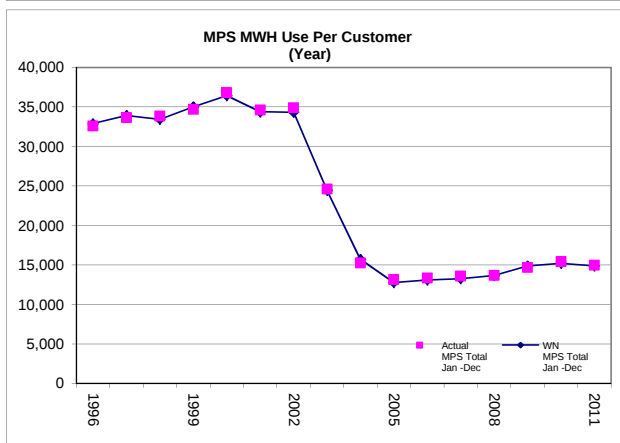
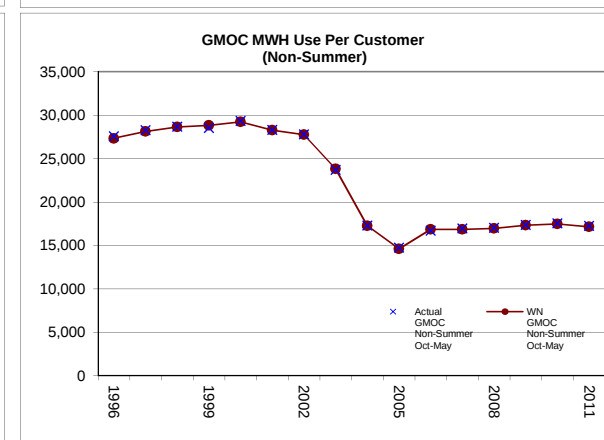
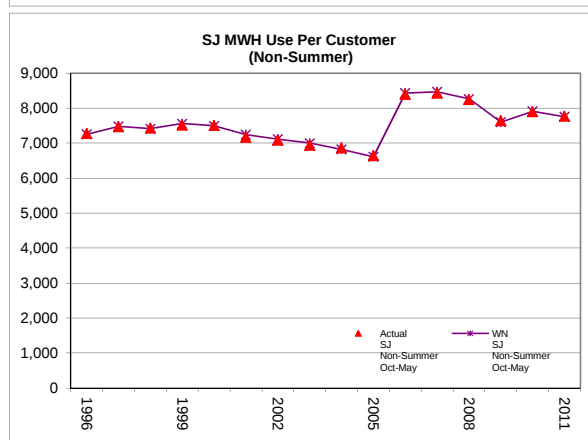
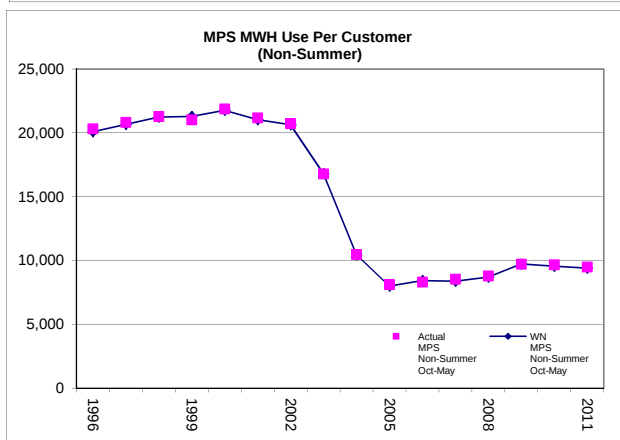
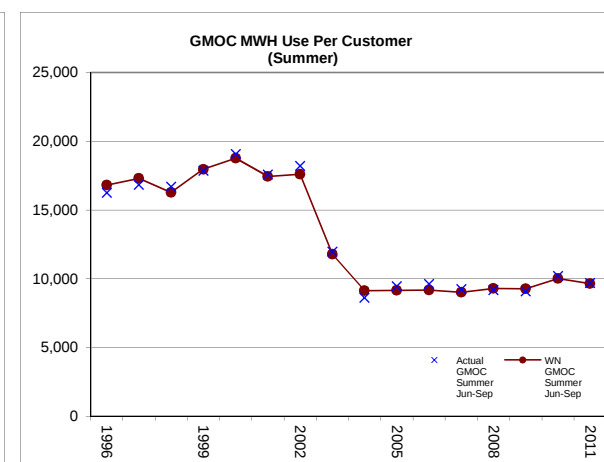
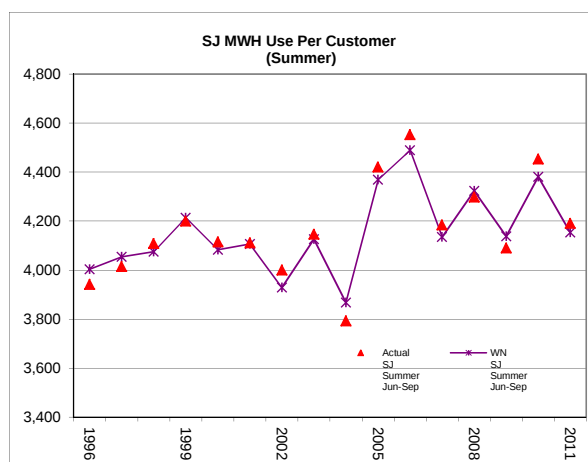
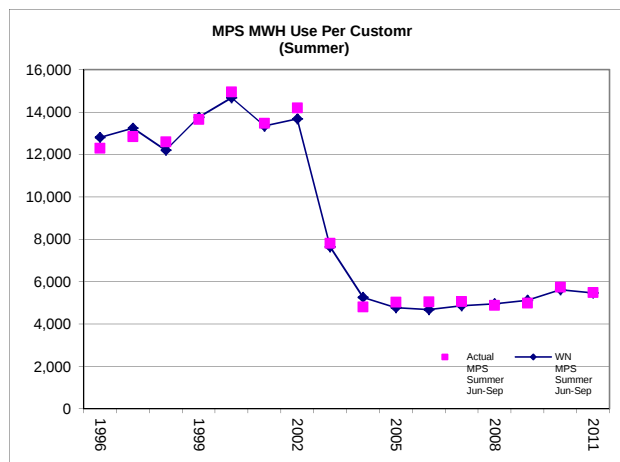
*In 2005, El Dorado Springs, Odessa, and Harrisonville were no longer Sales for Resale customers.



*In 2005, El Dorado Springs, Odessa, and Harrisonville were no longer Sales for Resale customers.

Plot 3A-14 MPS & SJ MWH Use Per Customer
(Actual vs. Weather Normalized)

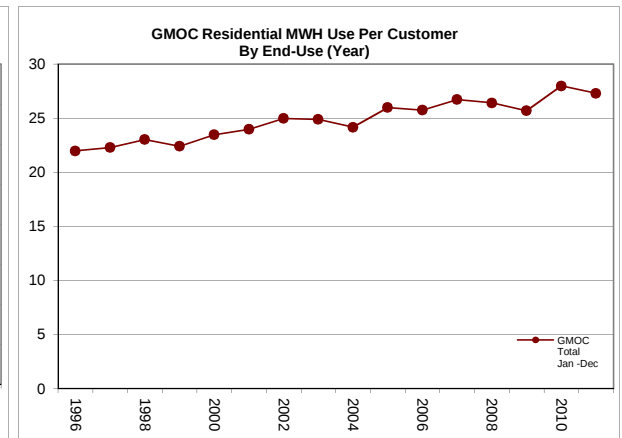
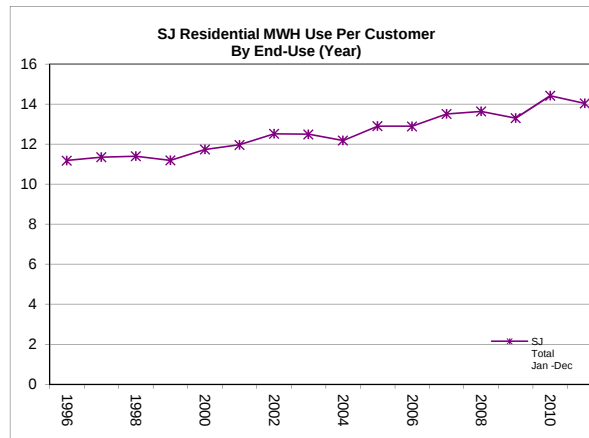
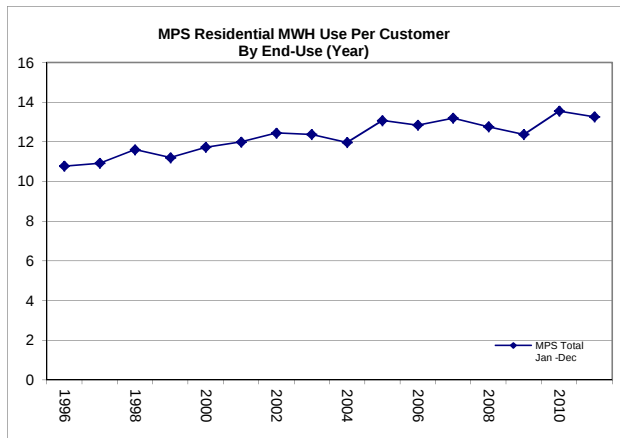
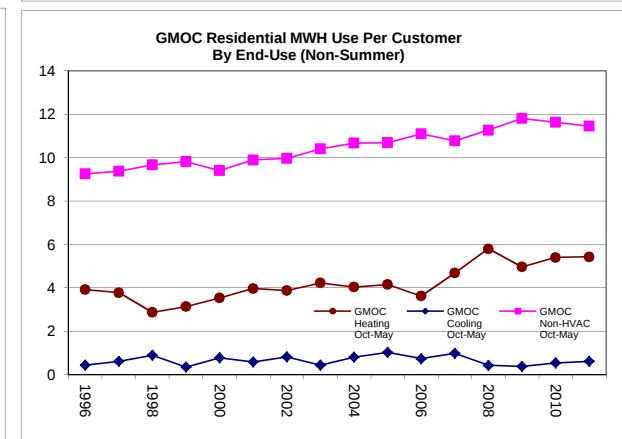
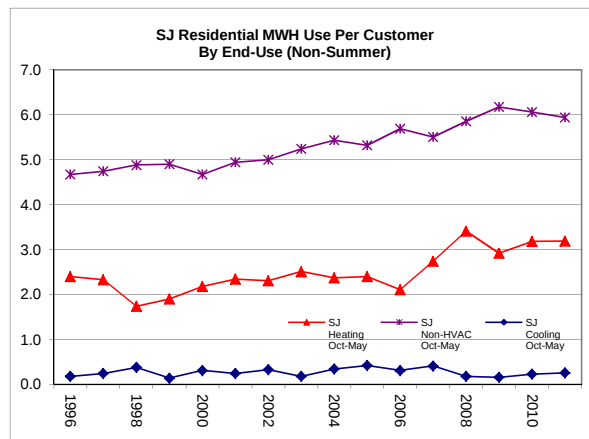
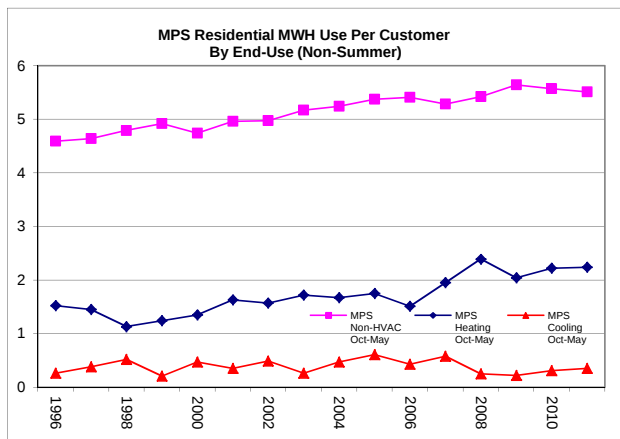
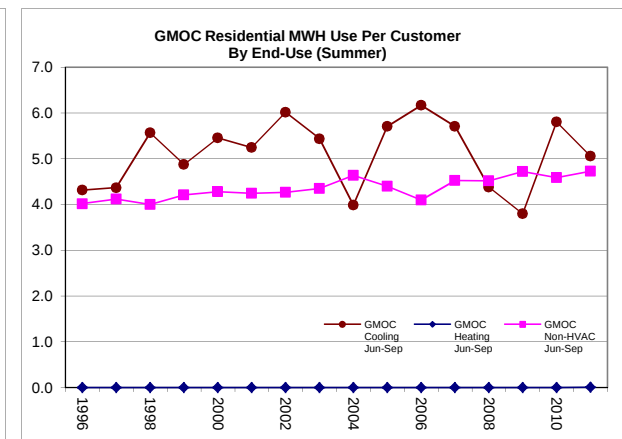
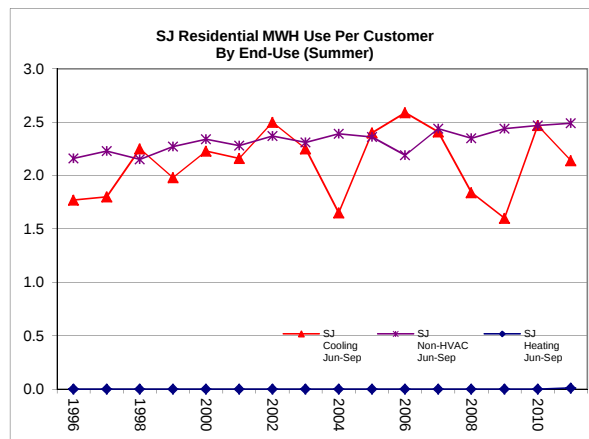
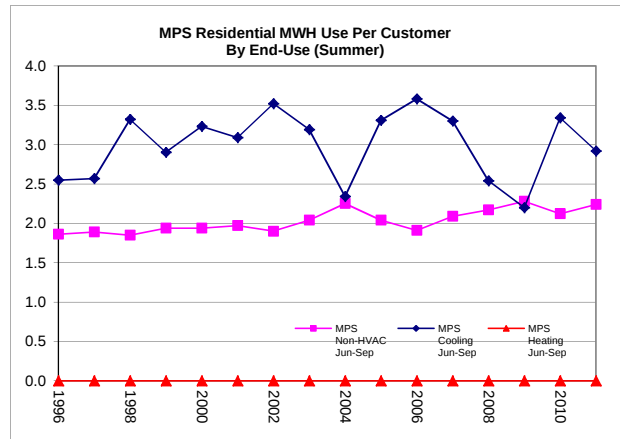
Year	Actual MPS	WN MPS	Actual MPS	WN MPS	Actual MPS Total	WN MPS Total	Actual SJ	WN SJ	Actual SJ	WN SJ	Actual SJ	WN SJ	Actual GMOC	WN GMOC	Actual GMOC	WN GMOC	Actual GMOC	WN GMOC
	Summer	Summer	Non-Summer	Non-Summer	MPS Total	MPS Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total
	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec	Jun-Sep	Jun-Sep	Oct-May	Oct-May	Jan -Dec	Jan -Dec
1995																		
1996	12,299.02	12,801.40	20,297.02	20,082.26	32,596.04	32,883.66	3,942.39	4,003.56	7,281.44	7,254.39	11,223.83	11,257.95	16,241.41	16,804.96	27,578.46	27,336.65	43,819.87	44,141.61
1997	12,829.23	13,249.17	20,796.48	20,654.27	33,625.71	33,903.44	4,015.75	4,053.88	7,474.04	7,477.10	11,489.79	11,530.98	16,844.98	17,303.05	28,270.52	28,131.38	45,115.50	45,434.43
1998	12,592.46	12,206.39	21,248.13	21,220.48	33,840.59	33,426.86	4,109.66	4,075.39	7,431.17	7,410.55	11,540.83	11,485.94	16,702.12	16,281.78	28,679.30	28,631.03	45,381.42	44,912.81
1999	13,657.70	13,749.55	21,013.97	21,273.69	34,671.67	35,023.23	4,200.36	4,213.19	7,516.05	7,557.16	11,716.41	11,770.35	17,858.06	17,962.73	28,530.02	28,830.85	46,388.08	46,793.58
2000	14,944.12	14,678.46	21,852.87	21,751.36	36,796.99	36,429.82	4,116.09	4,083.28	7,504.29	7,492.81	11,620.38	11,576.09	19,060.21	18,761.73	29,357.16	29,244.18	48,417.37	48,005.91
2001	13,465.54	13,340.99	21,155.81	21,035.30	34,621.35	34,376.29	4,111.84	4,106.06	7,172.11	7,245.19	11,283.95	11,351.26	17,577.38	17,447.06	28,327.92	28,280.49	45,905.30	45,727.55
2002	14,200.94	13,679.37	20,705.96	20,637.25	34,906.90	34,316.61	4,001.18	3,929.07	7,082.74	7,115.65	11,083.92	11,044.72	18,202.12	17,608.44	27,788.70	27,752.90	45,990.82	45,361.34
2003	7,815.92	7,643.74	16,784.79	16,804.32	24,600.71	24,448.07	4,147.06	4,126.44	6,942.45	6,998.54	11,089.51	11,124.98	11,962.98	11,770.18	23,727.24	23,802.86	35,690.22	35,573.04
2004	4,805.79	5,264.38	10,449.97	10,445.04	15,255.76	15,709.43	3,793.79	3,867.23	6,864.88	6,820.67	10,658.67	10,687.89	8,599.58	9,131.61	17,314.85	17,265.71	25,914.43	26,397.32
2005	5,039.48	4,777.78	8,103.38	7,996.39	13,142.86	12,774.16	4,421.44	4,368.50	6,649.03	6,613.41	11,070.47	10,981.91	9,460.92	9,146.28	14,752.41	14,609.80	24,213.33	23,756.08
2006	5,052.91	4,686.14	8,305.22	8,423.26	13,358.13	13,109.40	4,552.42	4,488.51	8,391.50	8,430.29	12,943.92	12,918.80	9,605.33	9,174.65	16,696.72	16,853.54	26,302.05	26,028.20
2007	5,064.23	4,860.80	8,525.71	8,386.98	13,589.94	13,247.78	4,184.65	4,135.63	8,429.75	8,466.75	12,614.40	12,602.38	9,248.88	8,996.42	16,955.46	16,853.73	26,204.34	25,850.16
2008	4,876.12	4,955.19	8,790.63	8,711.11	13,666.75	13,666.30	4,297.94	4,322.96	8,251.22	8,260.65	12,549.16	12,583.61	9,174.06	9,278.15	17,041.85	16,971.76	26,215.91	26,249.91
2009	4,983.01	5,128.74	9,714.49	9,730.69	14,697.50	14,859.43	4,091.48	4,138.30	7,647.74	7,599.96	11,739.22	11,738.27	9,074.49	9,267.04	17,362.23	17,330.66	26,436.72	26,597.70
2010	5,745.54	5,625.16	9,649.78	9,563.00	15,395.32	15,188.16	4,453.03	4,380.21	7,903.39	7,910.76	12,356.42	12,290.97	10,198.57	10,005.37	17,553.17	17,473.76	27,751.74	27,479.13
2011	5,480.95	5,476.01	9,486.71	9,405.08	14,967.66	14,881.10	4,191.96	4,152.87	7,774.13	7,750.49	11,966.09	11,903.36	9,672.91	9,628.88	17,260.84	17,155.57	26,933.75	26,784.45
96-'00	5.0%	3.5%	1.9%	2.0%	3.1%	2.6%	1.1%	0.5%	0.8%	0.8%	0.9%	0.7%	4.1%	2.8%	1.6%	1.7%	2.5%	2.1%
00-'05	-19.5%	-20.1%	-18.0%	-18.1%	-18.6%	-18.9%	1.4%	1.4%	-2.4%	-2.5%	-1.0%	-1.0%	-13.1%	-13.4%	-12.9%	-13.0%	-12.9%	-13.1%
05-'10	2.7%	3.3%	3.6%	3.6%	3.2%	3.5%	0.1%	0.1%	3.5%	3.6%	2.2%	2.3%	1.5%	1.8%	3.5%	3.6%	2.8%	3.0%
10-'11	-4.6%	-2.7%	-1.7%	-1.7%	-2.8%	-2.0%	-5.9%	-5.2%	-1.6%	-2.0%	-3.2%	-3.2%	-5.2%	-3.8%	-1.7%	-1.8%	-2.9%	-2.5%
00-'11	-8.7%	-8.6%	-7.3%	-7.3%	-7.9%	-7.8%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	-6.0%	-5.9%	-4.7%	-4.7%	-5.2%	-5.2%



Plot 3A-15 MPS & SJ Residential MWH Use Per Customer By End-Use

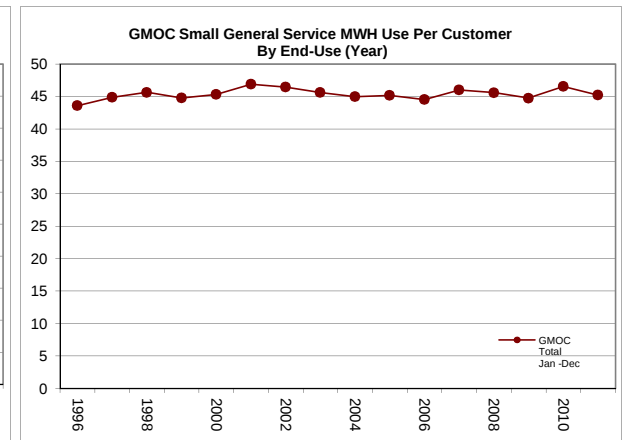
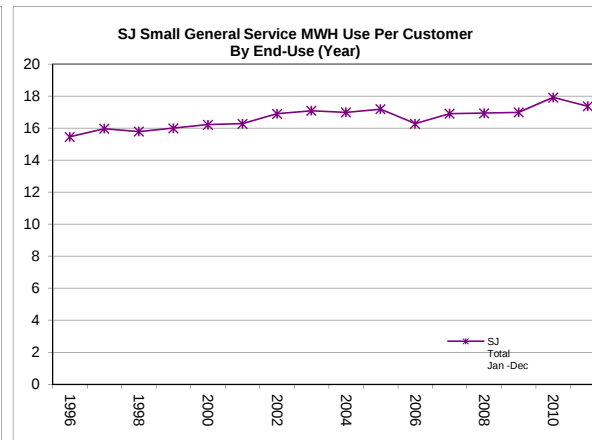
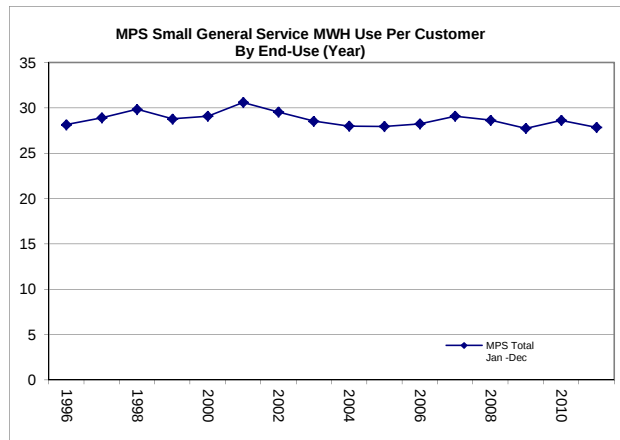
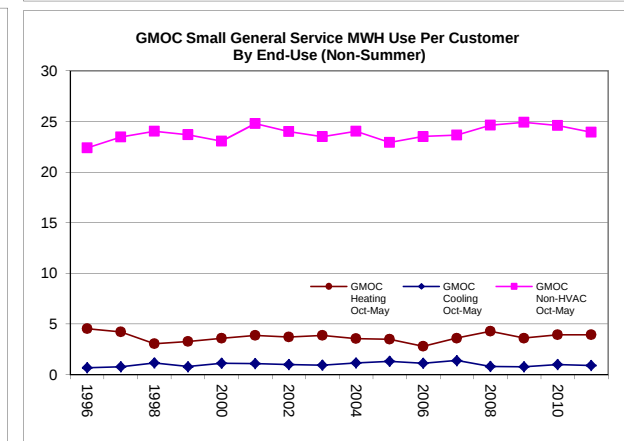
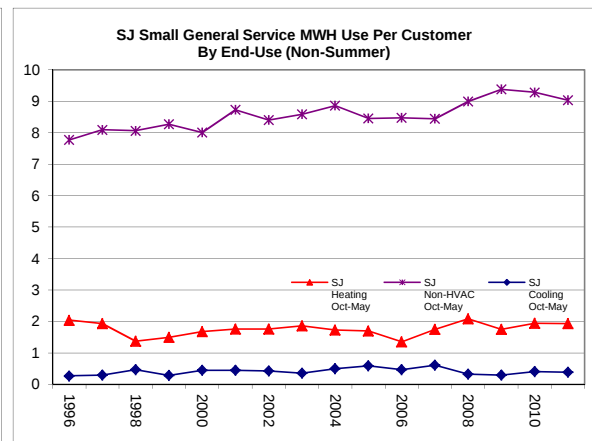
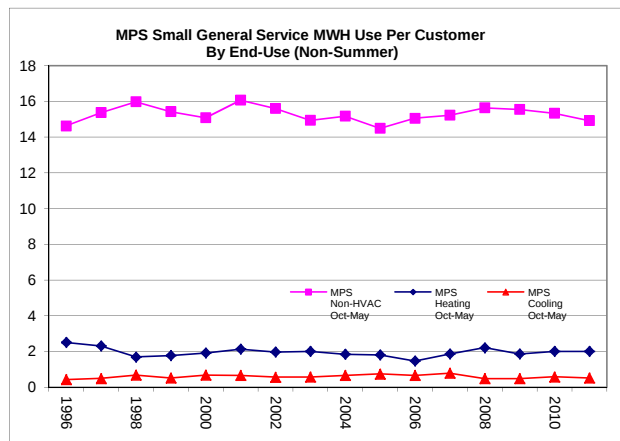
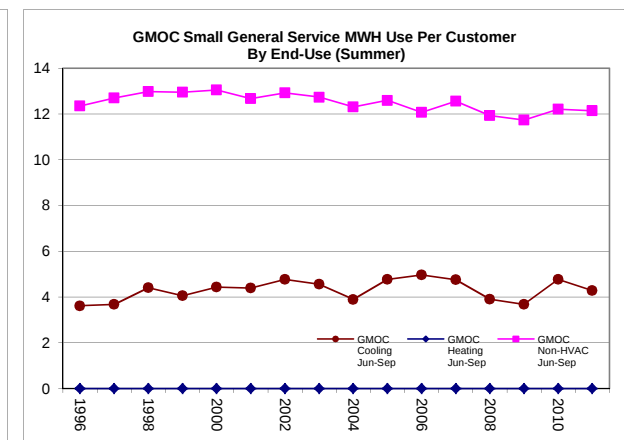
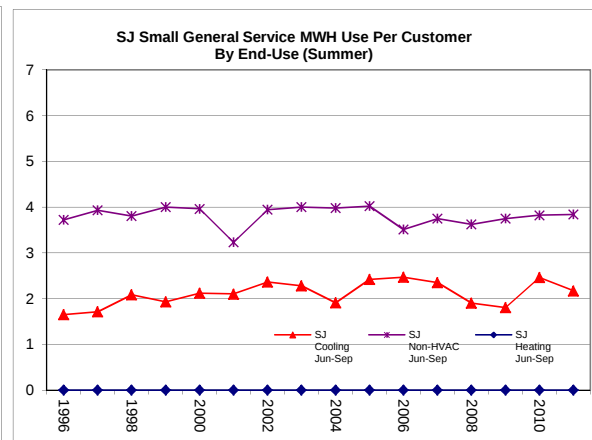
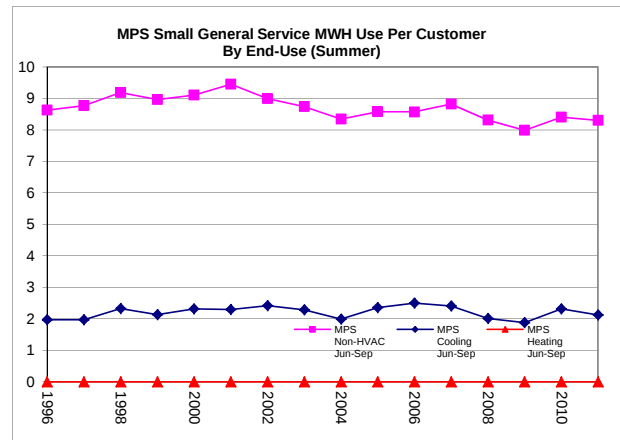
Year	MPS							SJ							GMOC						
	Cooling Jun-Sep	MPS Cooling Oct-May	MPS Heating Jun-Sep	MPS Heating Oct-May	MPS Non-HVAC Jun-Sep	MPS Non-HVAC Oct-May	MPS Total Jan-Dec	Cooling Jun-Sep	SJ Cooling Oct-May	SJ Heating Jun-Sep	SJ Heating Oct-May	SJ Non-HVAC Jun-Sep	SJ Non-HVAC Oct-May	SJ Total Jan-Dec	Cooling Jun-Sep	GMOC Cooling Oct-May	GMOC Heating Jun-Sep	GMOC Heating Oct-May	GMOC Non-HVAC Jun-Sep	GMOC Non-HVAC Oct-May	GMOC Total Jan-Dec
1995																					
1996	2.55	0.26	-	1.52	1.86	4.59	10.78	1.77	0.18	-	2.40	2.16	4.67	11.18	4.32	0.44	0.000	3.92	4.02	9.26	21.96
1997	2.57	0.38	-	1.45	1.89	4.64	10.93	1.80	0.24	-	2.33	2.23	4.74	11.34	4.37	0.62	0.000	3.78	4.12	9.38	22.27
1998	3.32	0.52	-	1.13	1.85	4.79	11.61	2.25	0.38	-	1.74	2.15	4.88	11.40	5.57	0.90	0.000	2.87	4.00	9.67	23.01
1999	2.90	0.21	-	1.24	1.94	4.92	11.21	1.98	0.14	-	1.90	2.27	4.90	11.19	4.88	0.35	0.000	3.14	4.21	9.82	22.40
2000	3.23	0.47	-	1.35	1.94	4.74	11.73	2.23	0.31	-	2.18	2.34	4.67	11.73	5.46	0.78	0.000	3.53	4.28	9.41	23.46
2001	3.09	0.35	-	1.63	1.97	4.96	12.00	2.16	0.24	-	2.34	2.28	4.94	11.96	5.25	0.59	0.000	3.97	4.25	9.90	23.96
2002	3.52	0.49	-	1.57	1.90	4.97	12.45	2.50	0.33	-	2.31	2.37	5.00	12.51	6.02	0.82	0.000	3.88	4.27	9.97	24.96
2003	3.19	0.26	-	1.72	2.04	5.17	12.38	2.25	0.18	-	2.51	2.31	5.24	12.49	5.44	0.44	0.000	4.23	4.35	10.41	24.87
2004	2.34	0.47	-	1.67	2.25	5.24	11.97	1.65	0.34	-	2.37	2.39	5.43	12.18	3.99	0.81	0.000	4.04	4.64	10.67	24.15
2005	3.31	0.61	-	1.75	2.04	5.37	13.08	2.40	0.42	-	2.40	2.36	5.32	12.90	5.71	1.03	0.000	4.15	4.40	10.69	25.98
2006	3.58	0.43	-	1.51	1.91	5.41	12.84	2.59	0.31	-	2.11	2.19	5.69	12.89	6.17	0.74	0.000	3.62	4.10	11.10	25.73
2007	3.30	0.58	-	1.95	2.09	5.28	13.20	2.41	0.41	-	2.74	2.44	5.50	13.50	5.71	0.99	0.000	4.69	4.53	10.78	26.70
2008	2.54	0.25	-	2.39	2.17	5.42	12.77	1.84	0.18	-	3.41	2.35	5.85	13.63	4.38	0.43	0.000	5.80	4.52	11.27	26.40
2009	2.20	0.22	-	2.04	2.28	5.64	12.38	1.60	0.16	-	2.92	2.44	6.17	13.29	3.80	0.38	0.000	4.96	4.72	11.81	25.67
2010	3.34	0.31	-	2.22	2.12	5.57	13.56	2.47	0.23	-	3.18	2.47	6.06	14.41	5.81	0.54	0.000	5.40	4.59	11.63	27.97
2011	2.92	0.35	-	2.24	2.24	5.51	13.26	2.14	0.26	0.01	3.19	2.49	5.94	14.03	5.06	0.61	0.010	5.43	4.73	11.45	27.29

95-'00	0.8%	46.2%	#DIV/0!	-4.6%	1.6%	1.1%	1.4%	1.7%	33.3%	#DIV/0!	-2.9%	3.2%	1.5%	1.4%	1.2%	40.9%	#DIV/0!	-3.6%	2.5%	1.3%	1.4%
00-'05	0.5%	5.4%	#DIV/0!	5.3%	1.0%	2.5%	2.2%	1.5%	6.3%	#DIV/0!	1.9%	0.2%	2.6%	1.9%	0.9%	5.7%	#DIV/0!	3.3%	0.6%	2.6%	2.1%
05-'10	0.2%	-12.7%	#DIV/0!	4.9%	0.8%	0.7%	0.7%	0.6%	-11.3%	#DIV/0!	5.8%	0.9%	2.6%	2.2%	0.3%	-12.1%	#DIV/0!	5.4%	0.8%	1.7%	1.5%
10-'11	-12.6%	12.9%	#DIV/0!	0.9%	5.7%	-1.1%	-2.2%	-13.4%	13.0%	#DIV/0!	0.3%	0.8%	-2.0%	-2.6%	-12.9%	13.0%	#DIV/0!	0.6%	3.1%	-1.5%	-2.4%
95-'11	0.9%	2.0%	#DIV/0!	2.6%	1.2%	1.2%	1.4%	1.3%	2.5%	#DIV/0!	1.9%	1.0%	1.6%	1.5%	1.1%	2.2%	#DIV/0!	2.2%	1.1%	1.4%	1.5%



Plot 3A-16 MPS & SJ Small General Service MWH Use Per Customer By End-Use

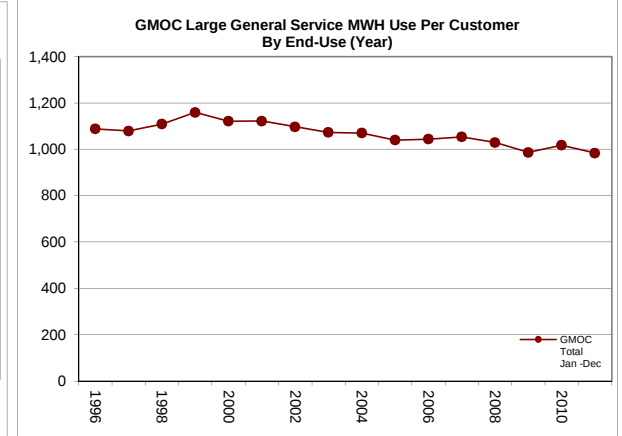
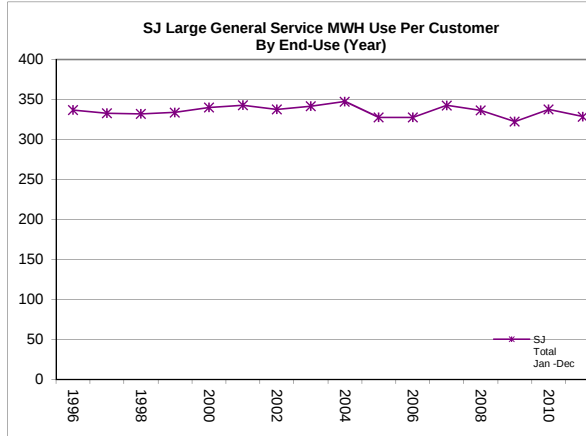
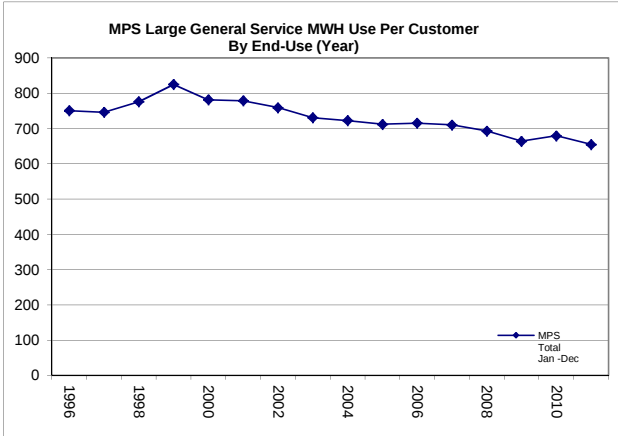
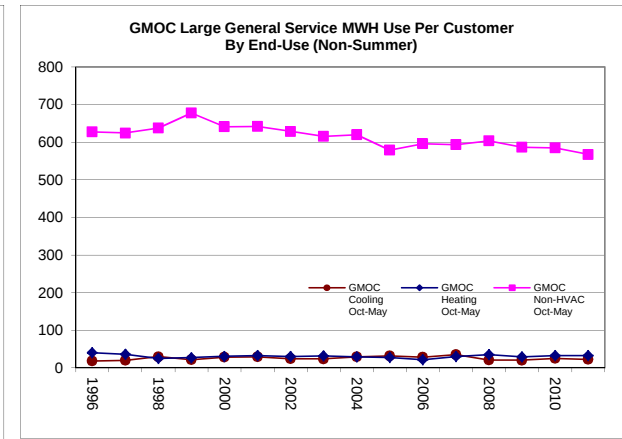
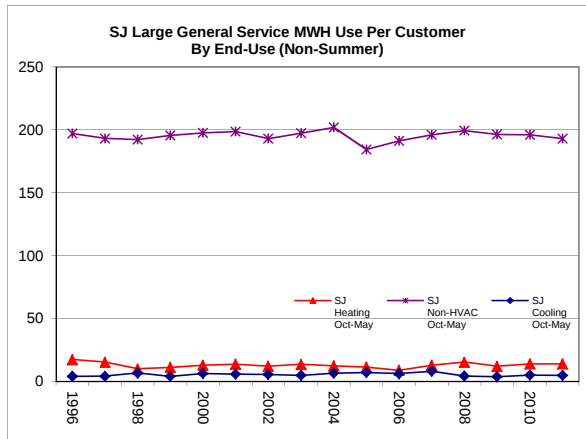
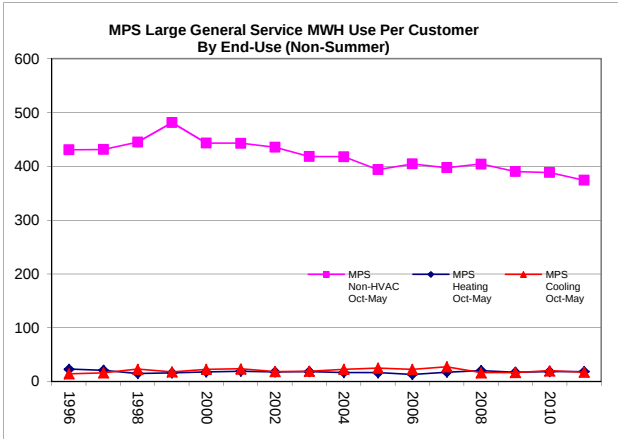
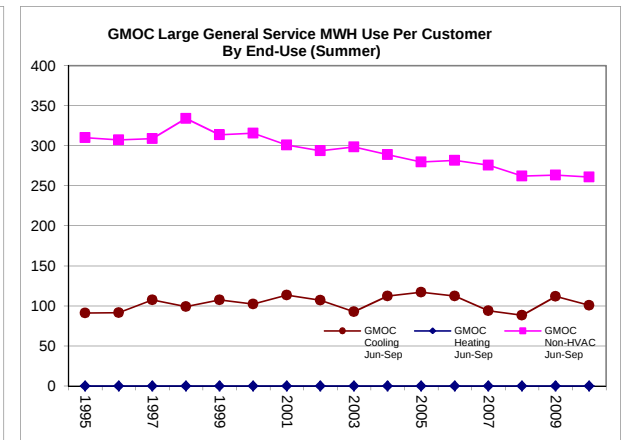
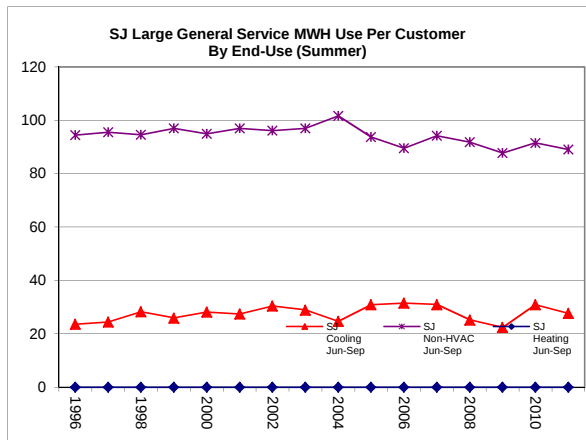
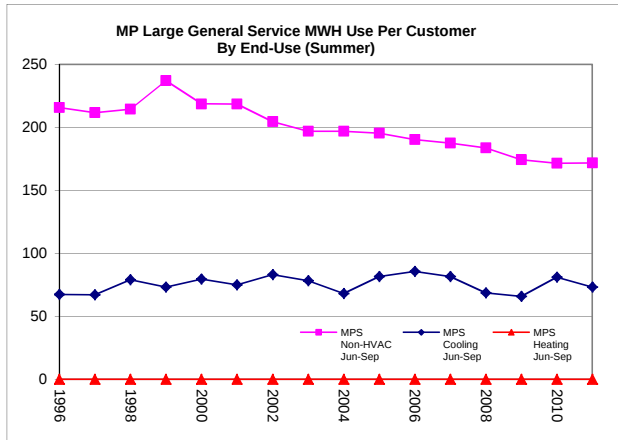
Year	MPS							SJ							GMOC						
	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec
1995																					
1996	1.97	0.42	0.000	2.51	8.63	14.62	28.15	1.65	0.27	0.000	2.04	3.72	7.77	15.45	3.62	0.69	0.00	4.55	12.35	22.39	43.60
1997	1.97	0.49	0.000	2.30	8.77	15.37	28.90	1.71	0.30	0.000	1.93	3.93	8.09	15.96	3.68	0.79	0.00	4.23	12.70	23.46	44.86
1998	2.33	0.68	0.000	1.69	9.18	15.97	29.85	2.08	0.47	0.000	1.37	3.80	8.06	15.78	4.41	1.15	0.00	3.06	12.98	24.03	45.63
1999	2.13	0.51	0.000	1.77	8.96	15.42	28.79	1.93	0.29	0.000	1.50	4.00	8.27	15.99	4.06	0.80	0.00	3.27	12.96	23.69	44.78
2000	2.32	0.67	0.000	1.92	9.10	15.07	29.08	2.12	0.45	0.000	1.68	3.96	8.00	16.21	4.44	1.12	0.00	3.60	13.06	23.07	45.29
2001	2.30	0.66	0.000	2.13	9.45	16.06	30.60	2.10	0.45	0.000	1.76	3.23	8.73	16.27	4.40	1.11	0.00	3.89	12.68	24.79	46.87
2002	2.42	0.56	0.000	1.97	8.99	15.60	29.54	2.36	0.43	0.000	1.76	3.94	8.40	16.89	4.78	0.99	0.00	3.73	12.93	24.00	46.43
2003	2.29	0.57	0.000	2.01	8.74	14.93	28.54	2.28	0.36	0.000	1.86	4.00	8.58	17.08	4.57	0.93	0.00	3.87	12.74	23.51	45.62
2004	1.99	0.66	0.000	1.84	8.34	15.17	28.00	1.91	0.50	0.000	1.73	3.98	8.86	16.98	3.90	1.16	0.00	3.57	12.32	24.03	44.98
2005	2.36	0.74	0.000	1.80	8.58	14.48	27.96	2.42	0.59	0.000	1.70	4.02	8.45	17.18	4.78	1.33	0.00	3.50	12.60	22.93	45.14
2006	2.50	0.66	0.000	1.46	8.57	15.05	28.24	2.47	0.47	0.000	1.35	3.51	8.47	16.27	4.97	1.13	0.00	2.81	12.08	23.52	44.51
2007	2.41	0.79	0.000	1.86	8.82	15.22	29.10	2.35	0.61	0.000	1.75	3.75	8.44	16.90	4.76	1.40	0.00	3.61	12.57	23.66	46.00
2008	2.01	0.48	0.000	2.21	8.31	15.64	28.65	1.90	0.33	0.000	2.09	3.62	8.99	16.93	3.91	0.81	0.00	4.30	11.93	24.63	45.58
2009	1.88	0.48	0.000	1.86	7.99	15.55	27.76	1.80	0.30	0.000	1.75	3.75	9.38	16.98	3.68	0.78	0.00	3.61	11.74	24.93	44.74
2010	2.32	0.58	0.000	2.01	8.40	15.33	28.64	2.46	0.41	0.000	1.94	3.82	9.28	17.91	4.78	0.99	0.00	3.95	12.22	24.61	46.55
2011	2.12	0.51	0.000	2.00	8.30	14.91	27.84	2.17	0.39	0.000	1.93	3.84	9.03	17.36	4.29	0.90	0.00	3.93	12.14	23.94	45.20
95-'00	0.0%	16.7%	#DIV/0!	-8.4%	1.6%	5.1%	2.7%	3.6%	11.1%	#DIV/0!	-5.4%	5.6%	4.1%	3.3%	1.7%	14.5%	#DIV/0!	-7.0%	2.8%	4.8%	2.9%
00-'05	0.3%	2.0%	#DIV/0!	-1.3%	-1.2%	-0.8%	-0.8%	2.7%	5.6%	#DIV/0!	0.2%	0.3%	1.1%	1.2%	1.5%	3.5%	#DIV/0!	-0.6%	-0.7%	-0.1%	-0.1%
05-'10	-0.3%	-4.8%	#DIV/0!	2.2%	-0.4%	1.1%	0.5%	0.3%	-7.0%	#DIV/0!	2.7%	-1.0%	1.9%	0.8%	0.0%	-5.7%	#DIV/0!	2.4%	-0.6%	1.4%	0.6%
10-'11	-8.6%	-12.1%	#DIV/0!	-0.5%	-1.2%	-2.7%	-2.8%	-11.8%	-4.9%	#DIV/0!	-0.5%	0.5%	-2.7%	-3.1%	-10.3%	-9.1%	#DIV/0!	-0.5%	-0.7%	-2.7%	-2.9%
95-'11	0.5%	1.3%	#DIV/0!	-1.5%	-0.3%	0.1%	-0.1%	1.8%	2.5%	#DIV/0!	-0.4%	0.2%	1.0%	0.8%	1.1%	1.8%	#DIV/0!	-1.0%	-0.1%	0.4%	0.2%



Plot 3A-17 MPS & SJ Large General Service MWH Use Per Customer By End-Use

Year	MPS							SJ							GMOC						
	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec
1995																					
1996	67.34	14.25	0.03	22.87	215.66	430.50	750.65	23.64	4.04	0.00	17.45	94.46	196.99	336.58	90.98	18.29	0.03	40.32	310.12	627.49	1,087.23
1997	66.97	15.82	0.03	20.61	211.62	431.10	746.15	24.40	4.23	0.00	15.41	95.54	193.11	332.69	91.37	20.05	0.03	36.02	307.16	624.21	1,078.84
1998	79.09	22.88	0.00	15.05	214.39	444.97	776.38	28.28	6.76	0.00	10.06	94.51	192.14	331.75	107.37	29.64	0.00	25.11	308.90	637.11	1,108.13
1999	73.05	17.58	0.02	16.03	236.98	481.42	825.08	25.93	4.08	0.00	11.16	96.98	195.57	333.72	98.98	21.66	0.02	27.19	333.96	676.99	1,158.80
2000	79.43	22.41	0.01	17.62	218.57	443.41	781.45	28.12	6.34	0.00	12.91	94.94	197.53	339.84	107.55	28.75	0.01	30.53	313.51	640.94	1,121.29
2001	75.04	23.42	0.01	19.04	218.48	442.86	778.85	27.43	5.88	0.00	13.76	96.98	198.65	342.70	102.47	29.30	0.01	32.80	315.46	641.51	1,121.55
2002	83.10	18.44	0.01	17.85	204.53	435.34	759.27	30.46	5.56	0.00	12.20	96.11	193.04	337.37	113.56	24.00	0.01	30.05	300.64	628.38	1,096.64
2003	78.20	18.93	0.00	18.32	196.78	418.29	730.52	28.93	4.83	0.00	13.64	97.00	197.21	341.61	107.13	23.76	0.00	31.96	293.78	615.50	1,072.13
2004	68.09	22.67	0.02	16.76	196.88	417.90	722.32	24.71	6.60	0.00	12.41	101.68	201.91	347.31	92.80	29.27	0.02	29.17	298.56	619.81	1,069.63
2005	81.57	24.89	0.01	16.38	195.22	394.04	712.11	30.87	7.22	0.00	11.44	93.74	184.36	327.63	112.44	32.11	0.01	27.82	288.96	578.40	1,039.74
2006	85.52	22.41	0.00	13.00	190.19	404.41	715.53	31.56	6.28	0.00	8.86	89.54	191.26	327.50	117.08	28.69	0.00	21.86	279.73	595.67	1,043.03
2007	81.46	27.16	0.01	17.10	187.40	397.26	710.39	30.97	8.26	0.00	12.96	94.23	196.08	342.50	112.43	35.42	0.01	30.06	281.63	593.34	1,052.89
2008	68.68	16.38	0.01	19.97	183.70	404.25	692.99	25.21	4.32	0.00	15.43	91.79	199.41	336.16	93.89	20.70	0.01	35.40	275.49	603.66	1,029.15
2009	65.88	16.42	0.00	17.31	174.22	390.14	663.97	22.36	3.87	0.00	12.13	87.77	196.25	322.38	88.24	20.29	0.00	29.44	261.99	586.39	986.35
2010	80.91	19.91	0.01	18.55	171.56	388.49	679.43	30.89	5.10	0.00	14.01	91.50	196.03	337.53	111.80	25.01	0.01	32.56	263.06	584.52	1,016.96
2011	73.09	17.36	0.03	18.62	171.78	374.18	655.06	27.65	4.90	0.00	13.94	89.01	192.99	328.49	100.74	22.26	0.03	32.56	260.79	567.17	983.55

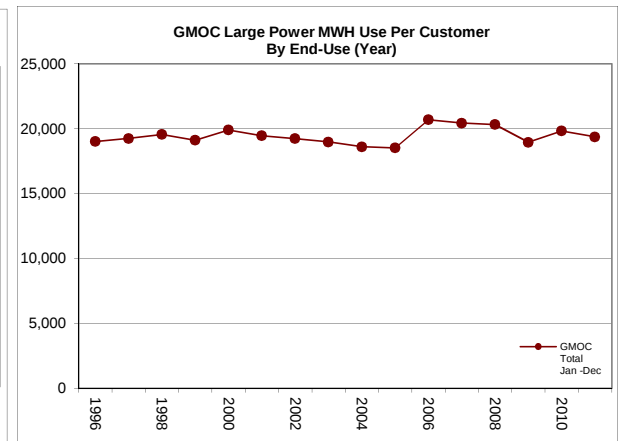
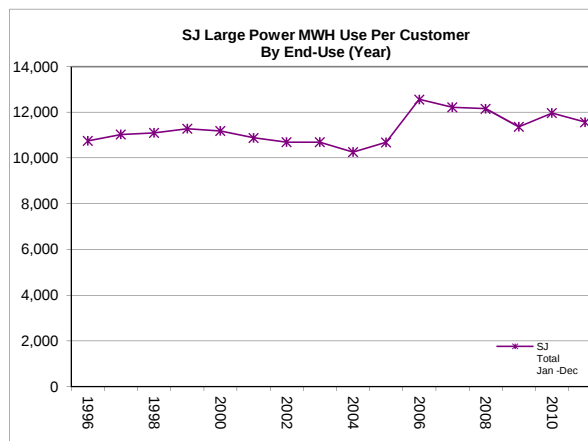
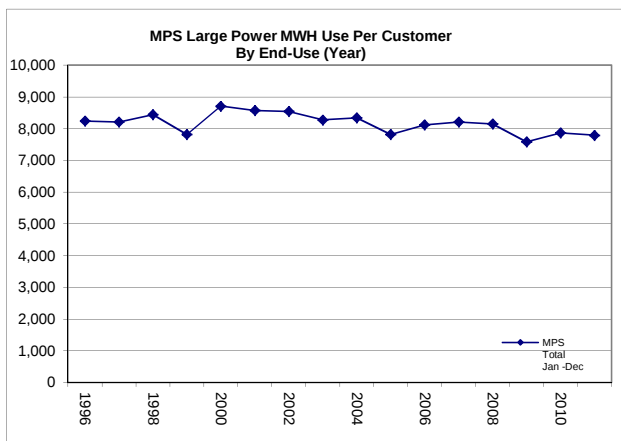
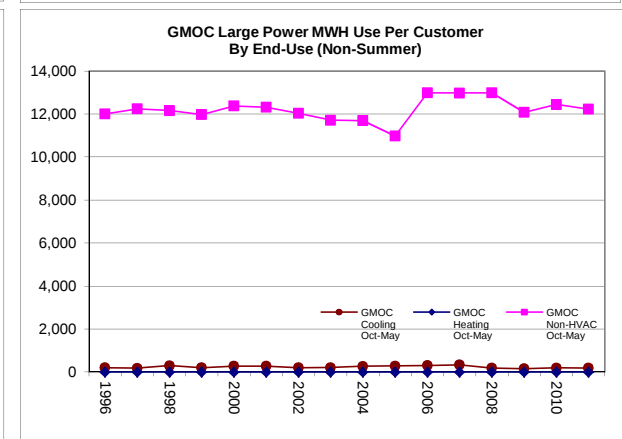
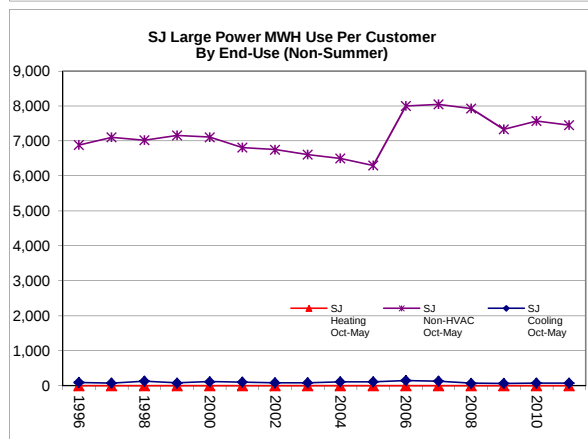
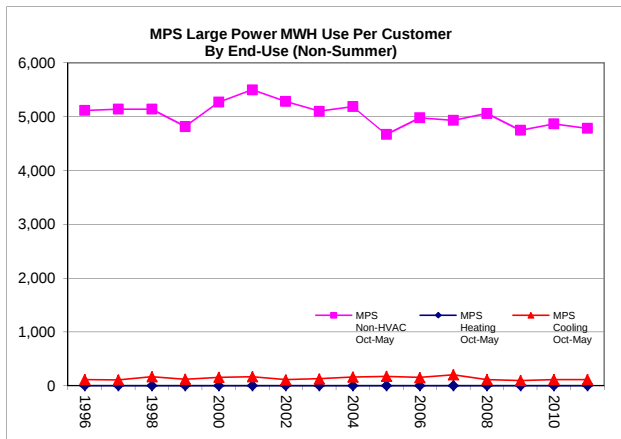
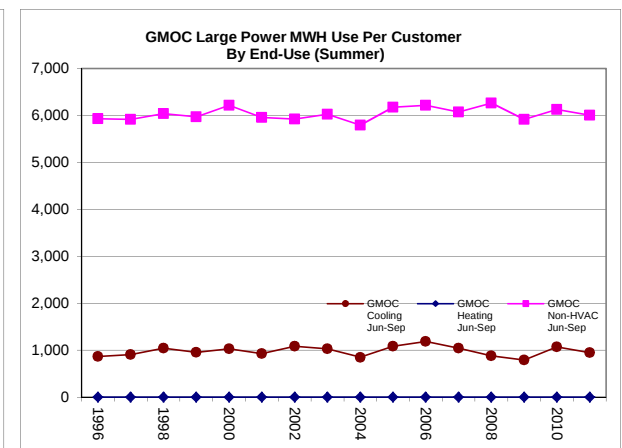
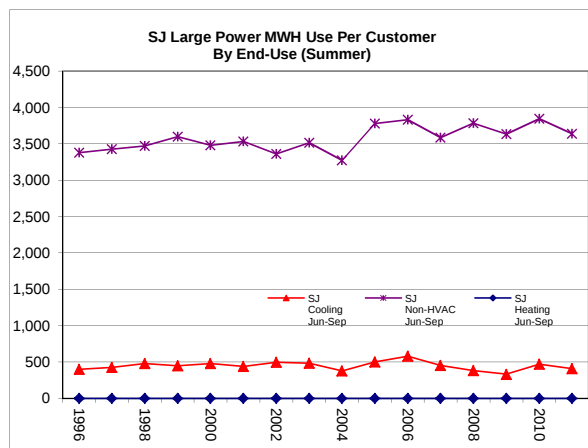
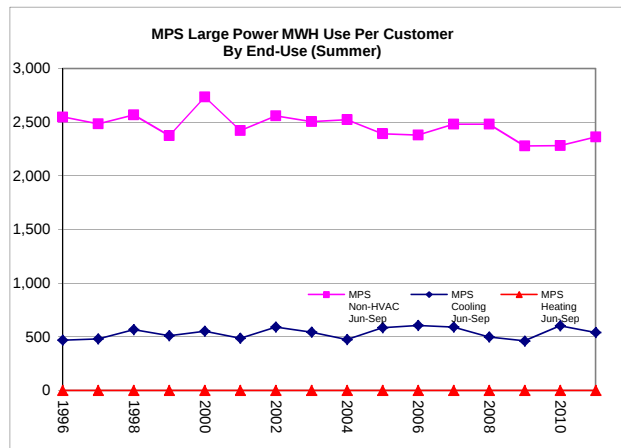
96-'00	-0.5%	11.0%	0.0%	-9.9%	-1.9%	0.1%	-0.6%	3.2%	4.7%	#DIV/0!	-11.7%	1.1%	-2.0%	-1.2%	0.4%	9.6%	0.0%	-10.7%	-1.0%	-0.5%	-0.8%
00-'05	0.5%	2.1%	0.0%	-1.4%	-2.2%	-2.3%	-1.8%	1.9%	2.6%	#DIV/0!	-2.4%	-0.3%	-1.4%	-0.7%	0.9%	2.2%	0.0%	-1.8%	-1.6%	-2.0%	-1.5%
05-'10	-0.2%	-4.4%	0.0%	2.5%	-2.6%	-0.3%	-0.9%	0.0%	-6.7%	#DIV/0!	4.1%	-0.5%	1.2%	0.6%	-0.1%	-4.9%	0.0%	3.2%	-1.9%	0.2%	-0.4%
10-'11	-9.7%	-12.8%	200.0%	0.4%	0.1%	-3.7%	-3.6%	-10.5%	-3.9%	#DIV/0!	-0.5%	-2.7%	-1.6%	-2.7%	-9.9%	-11.0%	200.0%	0.0%	-0.9%	-3.0%	-3.3%
96-'11	0.5%	1.3%	0.0%	-1.4%	-1.5%	-0.9%	-0.9%	1.1%	1.3%	#DIV/0!	-1.5%	-0.4%	-0.1%	-0.2%	0.7%	1.3%	0.0%	-1.4%	-1.1%	-0.7%	-0.7%



Plot 3A-18 MPS & SJ Large Power MWH Use Per Customer By End-Use

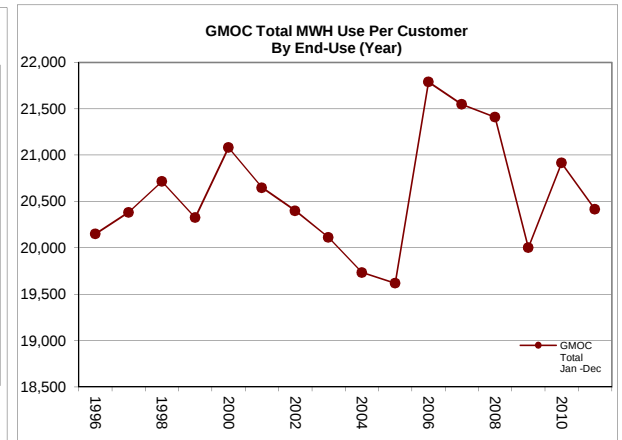
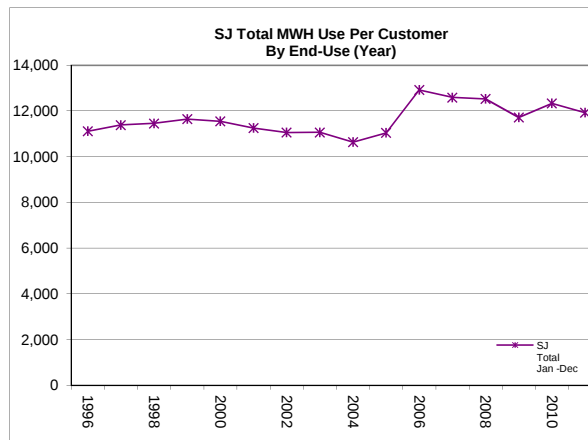
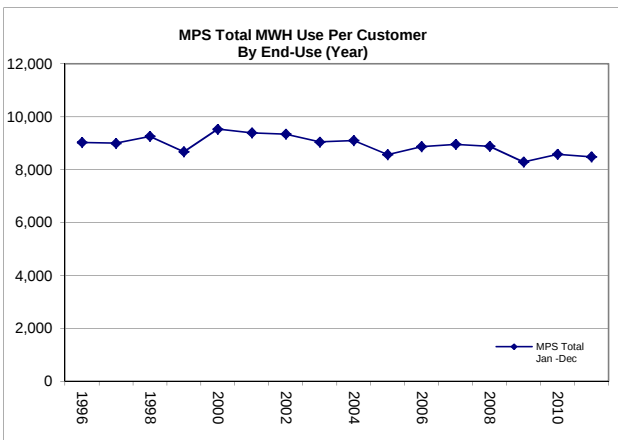
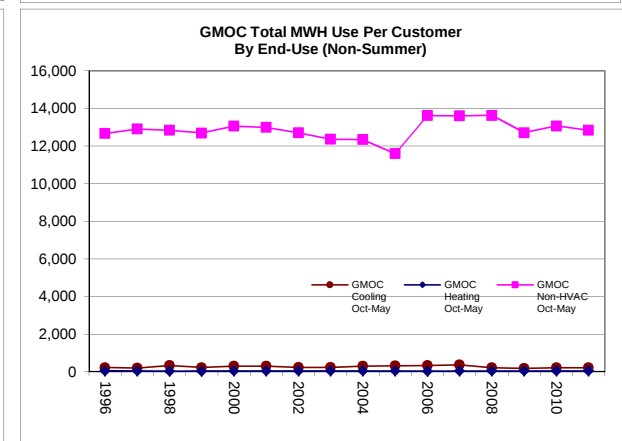
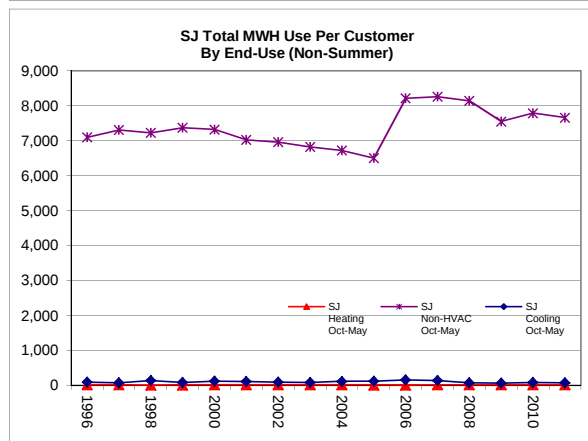
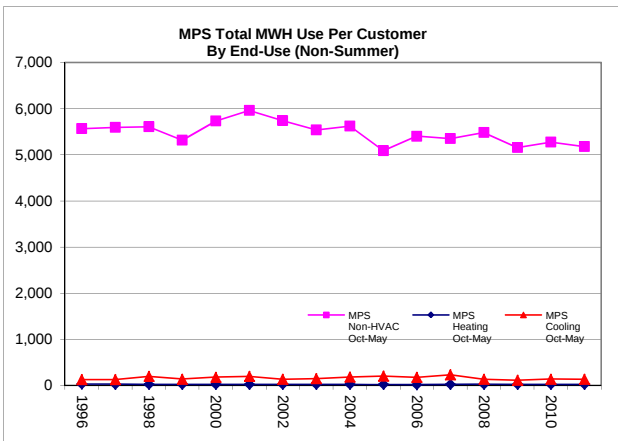
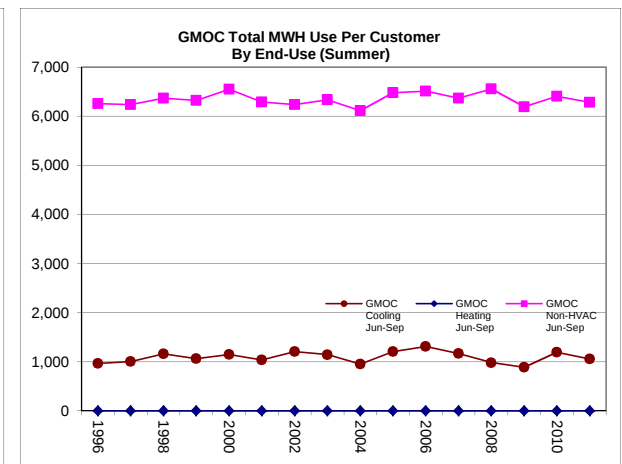
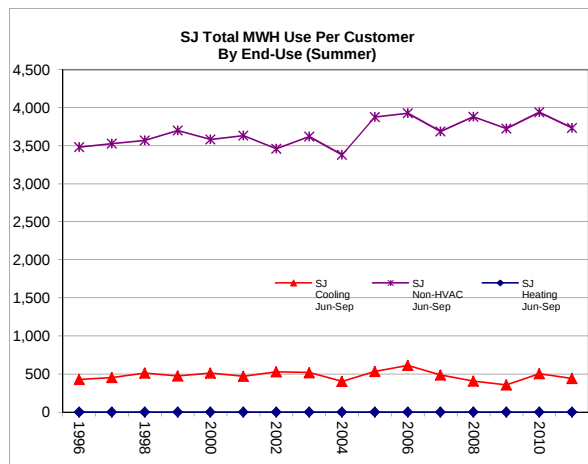
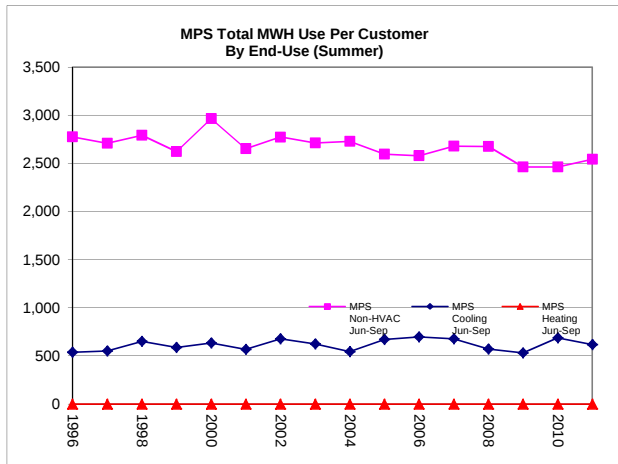
Year	MPS							SJ							GMOC						
	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec	Cooling Jun-Sep	Cooling Oct-May	Heating Jun-Sep	Heating Oct-May	Non-HVAC Jun-Sep	Non-HVAC Oct-May	Total Jan-Dec
1995																					
1996	466.73	110.49	-	-	2,548.46	5,116.46	8,242.14	400.92	89.61	-	-	3,380.06	6,883.28	10,753.87	867.65	200.10	-	-	5,928.52	11,999.74	18,996.01
1997	479.90	106.85	-	-	2,485.45	5,140.11	8,212.31	424.34	71.04	-	-	3,427.70	7,101.10	11,024.18	904.24	177.89	-	-	5,913.15	12,241.21	19,236.49
1998	565.73	168.38	-	-	2,566.84	5,142.34	8,443.29	479.50	129.01	-	-	3,470.89	7,016.64	11,096.04	1,045.23	297.39	-	-	6,037.73	12,158.98	19,539.33
1999	510.39	116.40	-	-	2,373.31	4,815.55	7,815.65	446.30	79.46	-	-	3,597.34	7,160.86	11,283.96	956.69	195.86	-	-	5,970.65	11,976.41	19,099.61
2000	550.36	153.53	-	-	2,736.21	5,269.08	8,709.18	478.68	115.04	-	-	3,480.40	7,107.86	11,181.98	1,029.04	268.57	-	-	6,216.61	12,376.94	19,891.16
2001	486.61	167.07	-	-	2,422.17	5,499.40	8,575.25	438.41	101.72	-	-	3,531.07	6,809.37	10,880.57	925.02	268.79	-	-	5,953.24	12,308.77	19,455.82
2002	589.51	109.62	-	-	2,558.55	5,281.73	8,539.41	494.79	86.15	-	-	3,360.06	6,750.54	10,691.54	1,084.30	195.77	-	-	5,918.61	12,032.27	19,230.95
2003	542.01	128.00	-	-	2,504.19	5,101.01	8,275.21	485.13	79.81	-	-	3,516.49	6,611.13	10,692.56	1,027.14	207.81	-	-	6,020.68	11,712.14	18,967.77
2004	473.02	158.24	-	-	2,521.67	5,185.16	8,338.09	376.22	108.90	-	-	3,272.71	6,498.86	10,256.69	849.24	267.14	-	-	5,794.38	11,684.02	18,594.78
2005	583.43	172.62	-	-	2,391.53	4,672.20	7,819.78	498.81	109.58	-	-	3,778.16	6,300.74	10,687.29	1,082.24	282.20	-	-	6,169.69	10,972.94	18,507.07
2006	605.96	151.21	-	-	2,380.14	4,978.09	8,115.40	578.33	147.79	-	-	3,833.35	8,001.56	12,561.03	1,184.29	299.00	-	-	6,213.49	12,979.65	20,676.43
2007	591.66	200.54	-	-	2,481.67	4,932.27	8,206.14	452.84	131.63	-	-	3,586.84	8,043.95	12,215.26	1,044.50	332.17	-	-	6,068.51	12,976.22	20,421.40
2008	499.26	113.52	-	-	2,480.69	5,059.35	8,152.82	380.17	69.04	-	-	3,782.63	7,924.43	12,156.27	879.43	182.56	-	-	6,263.32	12,983.78	20,309.09
2009	460.69	95.92	-	-	2,279.62	4,747.57	7,583.80	331.38	62.31	-	-	3,631.46	7,334.76	11,359.91	792.07	158.23	-	-	5,911.08	12,082.33	18,943.71
2010	601.92	114.23	-	-	2,280.53	4,867.02	7,863.70	468.07	77.11	-	-	3,842.91	7,573.10	11,961.19	1,069.99	191.34	-	-	6,123.44	12,440.12	19,824.89
2011	539.78	110.86	-	-	2,361.05	4,780.53	7,792.22	408.60	71.79	-	-	3,639.38	7,448.39	11,568.16	948.38	182.65	-	-	6,000.43	12,228.92	19,360.38

96-'00	2.8%	-3.3%	#DIV/0!	#DIV/0!	-2.5%	0.5%	-0.4%	5.8%	-20.7%	#DIV/0!	#DIV/0!	1.4%	3.2%	2.5%	4.2%	-11.1%	#DIV/0!	#DIV/0!	-0.3%	2.0%	1.3%
00-'05	1.2%	2.4%	#DIV/0!	#DIV/0!	-2.7%	-2.4%	-2.1%	0.8%	-1.0%	#DIV/0!	#DIV/0!	1.7%	-2.4%	-0.9%	1.0%	1.0%	#DIV/0!	#DIV/0!	-0.2%	-2.4%	-1.4%
05-'10	0.6%	-7.9%	#DIV/0!	#DIV/0!	-0.9%	0.8%	0.1%	-1.3%	-6.8%	#DIV/0!	#DIV/0!	0.3%	3.7%	2.3%	-0.2%	-7.5%	#DIV/0!	#DIV/0!	-0.2%	2.5%	1.4%
10-'11	-10.3%	-3.0%	#DIV/0!	#DIV/0!	3.5%	-1.8%	-0.9%	-12.7%	-6.9%	#DIV/0!	#DIV/0!	-5.3%	-1.6%	-3.3%	-11.4%	-4.5%	#DIV/0!	#DIV/0!	-2.0%	-1.7%	-2.3%
96-'11	1.0%	0.0%	#DIV/0!	#DIV/0!	-0.5%	-0.5%	-0.4%	0.1%	-1.5%	#DIV/0!	#DIV/0!	0.5%	0.5%	0.5%	0.6%	-0.6%	#DIV/0!	#DIV/0!	0.1%	0.1%	0.1%



Plot 3A-19 MPS & SJ Total MWH Use Per Customer By End-Use
For classes that have end-use sales

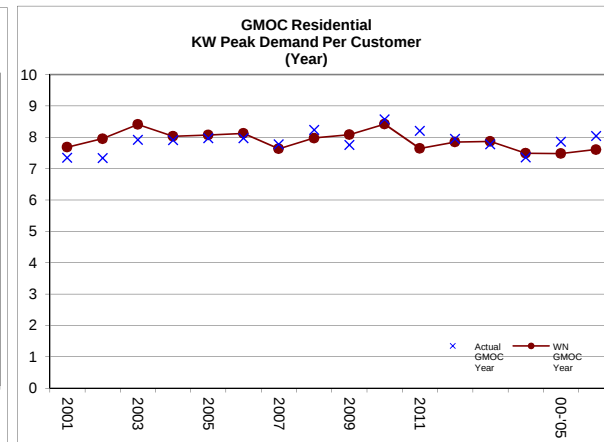
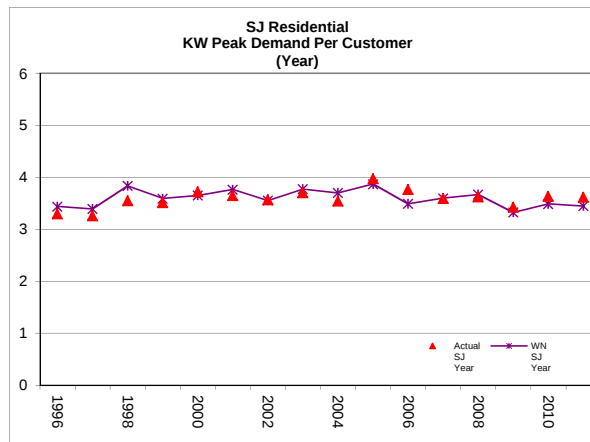
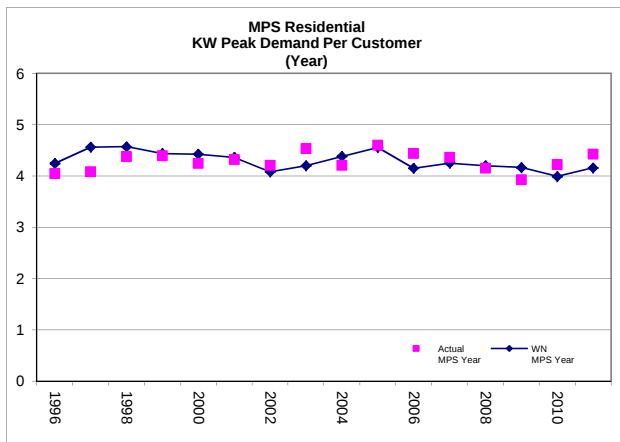
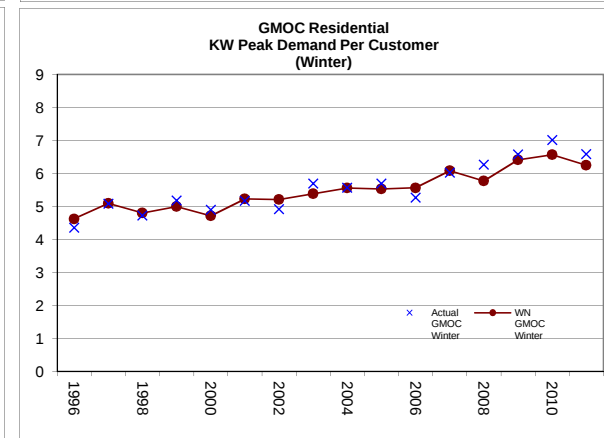
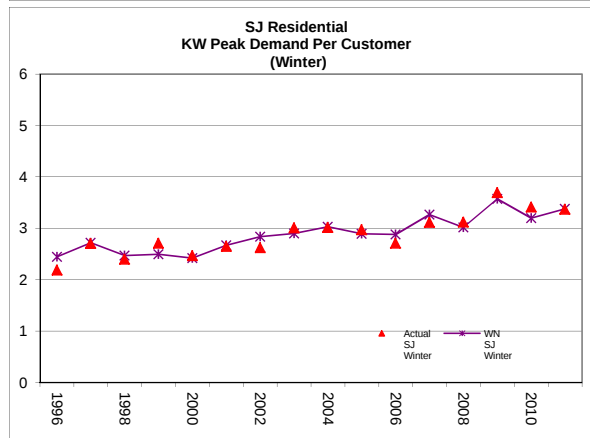
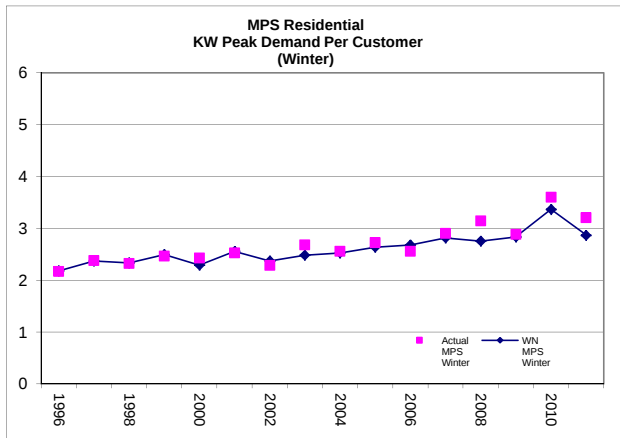
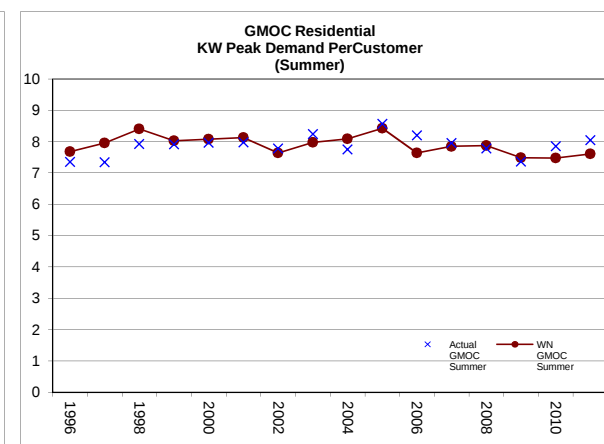
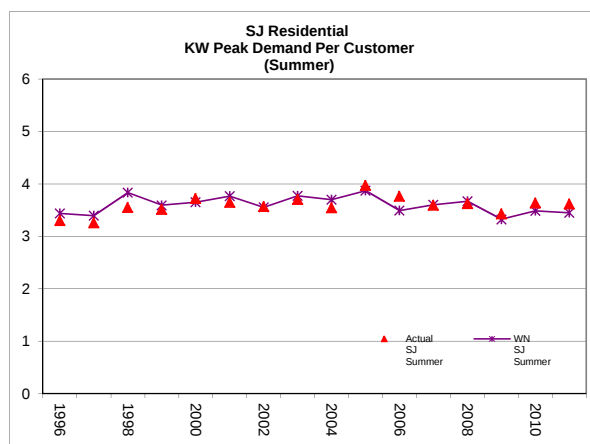
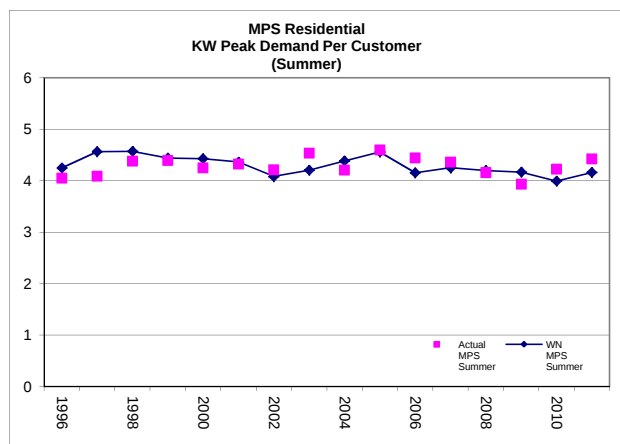
Year	MPS Cooling Jun-Sep	MPS Cooling Oct-May	MPS Heating Jun-Sep	MPS Heating Oct-May	MPS Non-HVAC Jun-Sep	MPS Non-HVAC Oct-May	MPS Total Jan -Dec	SJ Cooling Jun-Sep	SJ Cooling Oct-May	SJ Heating Jun-Sep	SJ Heating Oct-May	SJ Non-HVAC Jun-Sep	SJ Non-HVAC Oct-May	SJ Total Jan -Dec	GMOC Cooling Jun-Sep	GMOC Cooling Oct-May	GMOC Heating Jun-Sep	GMOC Heating Oct-May	GMOC Non-HVAC Jun-Sep	GMOC Non-HVAC Oct-May	GMOC Total Jan -Dec
1995																					
1996	538.59	125.42	0.03	26.90	2,774.61	5,566.17	9,031.72	427.98	94.10	0.00	21.89	3,480.40	7,092.71	11,117.08	966.57	219.52	0.03	48.79	6,255.01	12,658.88	20,148.80
1997	551.41	123.54	0.03	24.36	2,707.73	5,591.22	8,998.29	452.25	75.81	0.00	19.67	3,529.40	7,307.04	11,384.17	1,003.66	199.35	0.03	44.03	6,237.13	12,898.26	20,382.46
1998	650.47	192.46	0.00	17.87	2,792.26	5,608.07	9,261.13	512.11	136.62	0.00	13.17	3,571.35	7,221.72	11,454.97	1,162.58	329.08	0.00	31.04	6,363.61	12,829.79	20,716.10
1999	588.47	134.70	0.02	19.04	2,621.19	5,317.31	8,680.73	476.14	83.97	0.00	14.56	3,700.59	7,369.60	11,644.86	1,064.61	218.67	0.02	33.60	6,321.78	12,686.91	20,325.59
2000	635.34	177.08	0.01	20.89	2,965.82	5,732.30	9,531.44	511.15	122.14	0.00	16.77	3,581.64	7,318.06	11,549.76	1,146.49	299.22	0.01	37.66	6,547.46	13,050.36	21,081.20
2001	567.04	191.50	0.01	22.80	2,652.07	5,963.28	9,396.70	470.10	108.29	0.00	17.86	3,633.56	7,021.69	11,251.50	1,037.14	299.79	0.01	40.66	6,285.63	12,984.97	20,648.20
2002	678.55	129.11	0.01	21.39	2,773.97	5,737.64	9,340.67	530.11	92.47	0.00	16.27	3,462.48	6,956.98	11,058.31	1,208.66	221.58	0.01	37.66	6,236.45	12,694.62	20,398.98
2003	625.69	147.76	0.00	22.05	2,711.75	5,539.40	9,046.65	518.59	85.18	0.00	18.01	3,619.80	6,822.16	11,063.74	1,144.28	232.94	0.00	40.06	6,331.55	12,361.56	20,110.39
2004	545.44	182.04	0.02	20.27	2,729.14	5,623.47	9,100.38	404.49	116.34	0.00	16.51	3,380.76	6,715.06	10,633.16	949.93	298.38	0.02	36.78	6,109.90	12,338.53	19,733.54
2005	670.67	198.86	0.01	19.93	2,597.37	5,086.09	8,572.93	534.50	117.81	0.00	15.54	3,878.28	6,498.87	11,045.00	1,205.17	316.67	0.01	35.47	6,475.65	11,584.96	19,617.93
2006	697.56	174.71	0.00	15.97	2,580.81	5,402.96	8,872.01	614.95	154.85	0.00	12.32	3,928.59	8,206.98	12,917.69	1,312.51	329.56	0.00	28.29	6,509.40	13,609.94	21,789.70
2007	678.83	229.07	0.01	20.91	2,679.98	5,350.03	8,958.83	488.57	140.91	0.00	17.45	3,687.26	8,253.97	12,588.16	1,167.40	369.98	0.01	38.36	6,367.24	13,604.00	21,546.99
2008	572.49	130.63	0.01	24.57	2,674.87	5,484.66	8,887.23	409.12	73.87	0.00	20.93	3,880.39	8,138.68	12,522.99	981.61	204.50	0.01	45.50	6,555.26	13,623.34	21,410.22
2009	530.65	113.04	0.00	21.21	2,464.11	5,158.90	8,287.91	357.14	66.64	0.00	16.80	3,725.42	7,546.56	11,712.56	887.79	179.68	0.00	38.01	6,189.53	12,705.46	20,000.47
2010	688.49	135.03	0.01	22.78	2,462.61	5,276.41	8,585.33	503.89	82.85	0.00	19.13	3,940.70	7,784.47	12,331.04	1,192.38	217.88	0.01	41.91	6,403.31	13,060.88	20,916.37
2011	617.91	129.08	0.03	22.86	2,543.37	5,175.13	8,488.38	440.56	77.34	0.01	19.06	3,734.72	7,656.35	11,928.04	1,058.47	206.42	0.04	41.92	6,278.09	12,831.48	20,416.42
96-'00	2.4%	-1.5%	0.0%	-9.4%	-2.4%	0.5%	-0.4%	5.7%	-19.4%	#DIV/0!	-10.1%	1.4%	3.0%	2.4%	3.8%	-9.2%	0.0%	-9.8%	-0.3%	1.9%	1.2%
00-'05	1.1%	2.3%	0.0%	-0.9%	-2.6%	-2.4%	-2.1%	0.9%	-0.7%	#DIV/0!	-1.5%	1.6%	-2.3%	-0.9%	1.0%	1.1%	0.0%	-1.2%	-0.2%	-2.4%	-1.4%
05-'10	0.5%	-7.4%	0.0%	2.7%	-1.1%	0.7%	0.0%	-1.2%	-6.8%	#DIV/0!	4.2%	0.3%	3.7%	2.2%	-0.2%	-7.2%	0.0%	3.4%	-0.2%	2.4%	1.3%
10-'11	-10.3%	-4.4%	200.0%	0.4%	3.3%	-1.9%	-1.1%	-12.6%	-6.7%	#DIV/0!	-0.4%	-5.2%	-1.6%	-3.3%	-11.2%	-5.3%	300.0%	0.0%	-2.0%	-1.8%	-2.4%
96-'11	0.9%	0.2%	0.0%	-1.1%	-0.6%	-0.5%	-0.4%	0.2%	-1.3%	#DIV/0!	-0.9%	0.5%	0.5%	0.5%	0.6%	-0.4%	1.9%	-1.0%	0.0%	0.1%	0.1%



**Plot 3A-20 MPS & SJ Residential KW Peak Demand Per Customer
(Actual vs. Weather Normalized)**

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	4.05	4.24	2.17	2.18	4.05	4.24	3.30	3.44	2.19	2.44	3.30	3.44	7.35	7.68	4.36	4.62	7.35	7.68
1997	4.08	4.56	2.38	2.37	4.08	4.56	3.26	3.39	2.71	2.72	3.26	3.39	7.34	7.96	5.09	5.09	7.34	7.96
1998	4.37	4.57	2.32	2.34	4.37	4.57	3.55	3.84	2.40	2.47	3.55	3.84	7.92	8.41	4.72	4.80	7.92	8.41
1999	4.39	4.44	2.47	2.50	4.39	4.44	3.52	3.59	2.71	2.50	3.52	3.59	7.91	8.03	5.18	4.99	7.91	8.03
2000	4.24	4.42	2.43	2.29	4.24	4.42	3.73	3.65	2.47	2.42	3.73	3.65	7.97	8.08	4.90	4.71	7.97	8.08
2001	4.32	4.36	2.53	2.56	4.32	4.36	3.65	3.76	2.65	2.67	3.65	3.76	7.97	8.13	5.17	5.23	7.97	8.13
2002	4.21	4.08	2.29	2.37	4.21	4.08	3.57	3.55	2.63	2.84	3.57	3.55	7.78	7.64	4.92	5.21	7.78	7.64
2003	4.53	4.20	2.68	2.48	4.53	4.20	3.71	3.77	3.01	2.90	3.71	3.77	8.24	7.98	5.69	5.38	8.24	7.98
2004	4.21	4.38	2.56	2.53	4.21	4.38	3.55	3.70	3.02	3.03	3.55	3.70	7.75	8.08	5.57	5.56	7.75	8.08
2005	4.60	4.55	2.72	2.64	4.60	4.55	3.97	3.87	2.97	2.89	3.97	3.87	8.57	8.42	5.70	5.53	8.57	8.42
2006	4.44	4.15	2.56	2.68	4.44	4.15	3.77	3.49	2.71	2.88	3.77	3.49	8.20	7.64	5.27	5.56	8.20	7.64
2007	4.36	4.25	2.91	2.82	4.36	4.25	3.59	3.60	3.12	3.27	3.59	3.60	7.96	7.85	6.03	6.08	7.96	7.85
2008	4.15	4.20	3.14	2.76	4.15	4.20	3.63	3.67	3.12	3.02	3.63	3.67	7.78	7.87	6.26	5.77	7.78	7.87
2009	3.93	4.17	2.88	2.84	3.93	4.17	3.43	3.32	3.70	3.57	3.43	3.32	7.36	7.49	6.58	6.41	7.36	7.49
2010	4.22	3.99	3.60	3.37	4.22	3.99	3.64	3.49	3.41	3.20	3.64	3.49	7.86	7.48	7.02	6.57	7.86	7.48
2011	4.42	4.16	3.21	2.87	4.42	4.16	3.62	3.45	3.38	3.38	3.62	3.45	8.05	7.61	6.58	6.25	8.05	7.61

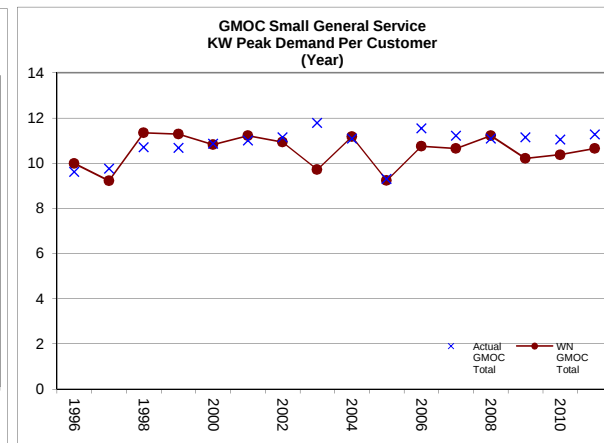
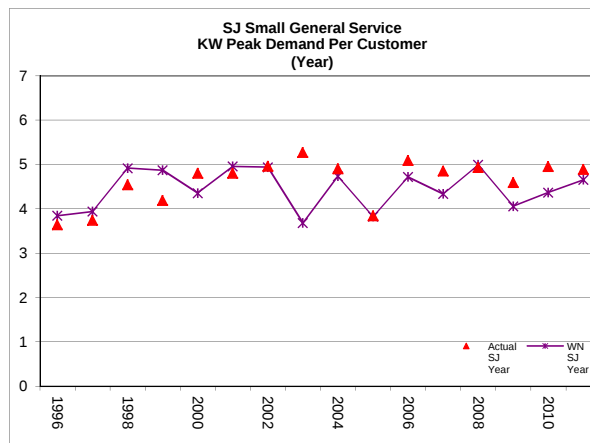
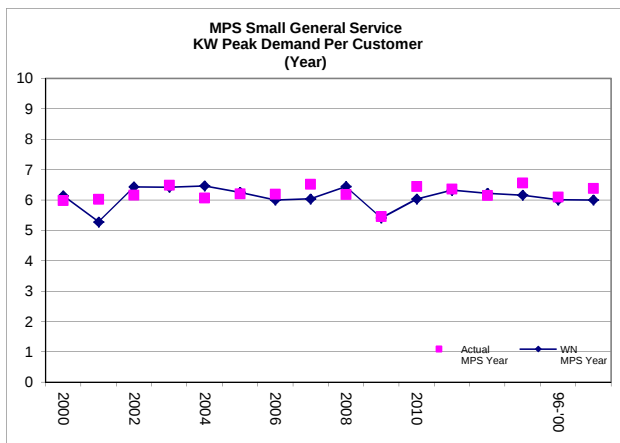
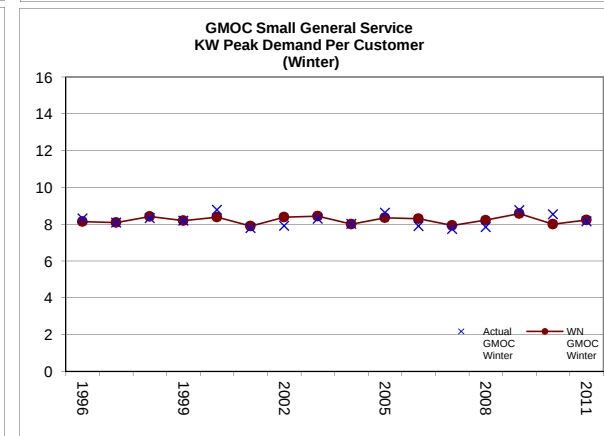
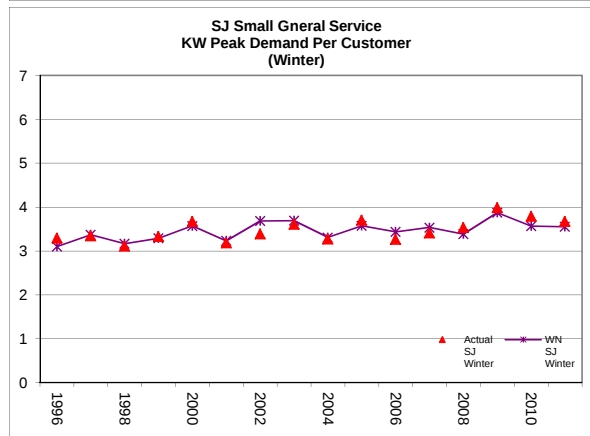
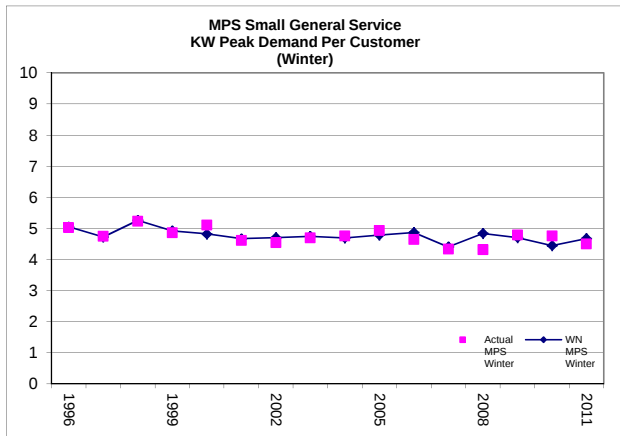
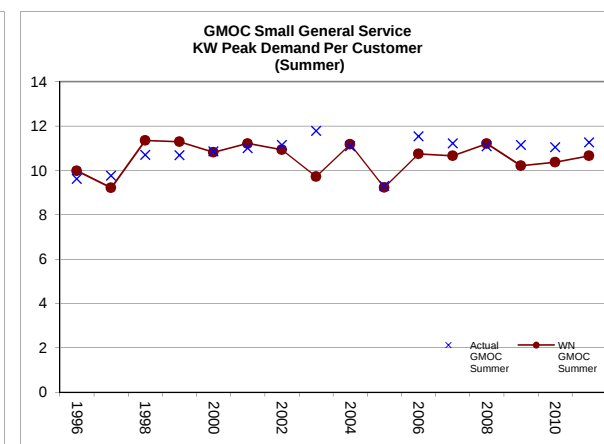
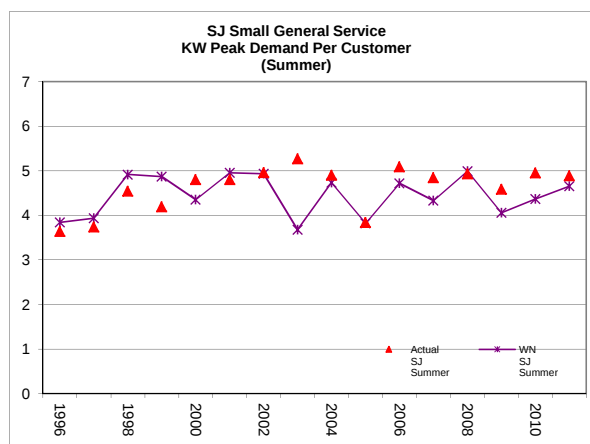
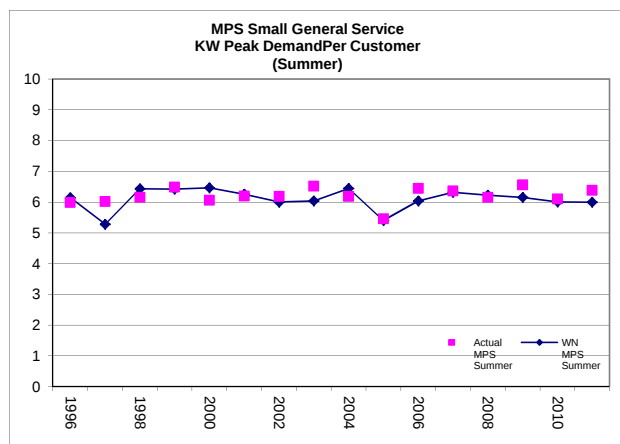
96-'00	1.2%	1.0%	2.8%	1.3%	1.2%	1.0%	3.1%	1.5%	3.0%	-0.2%	3.1%	1.5%	2.0%	1.3%	2.9%	0.5%	2.0%	1.3%
00-'05	1.6%	0.6%	2.3%	2.9%	1.6%	0.6%	1.3%	1.2%	3.8%	3.6%	1.3%	1.2%	1.5%	0.8%	3.1%	3.3%	1.5%	0.8%
05-'10	-1.7%	-2.6%	5.8%	5.0%	-1.7%	-2.6%	-1.8%	-2.1%	2.8%	2.1%	-1.8%	-2.1%	-1.7%	-2.4%	4.3%	3.5%	-1.7%	-2.4%
10-'11	4.8%	4.2%	-11.0%	-14.8%	4.8%	4.2%	-0.5%	-1.1%	-1.1%	5.5%	-0.5%	-1.1%	2.4%	1.7%	-6.2%	-4.9%	2.4%	1.7%
96-'11	0.6%	-0.1%	2.6%	1.9%	0.6%	-0.1%	0.6%	0.0%	2.9%	2.2%	0.6%	0.0%	0.6%	-0.1%	2.8%	2.0%	0.6%	-0.1%



Plot 3A--21 MPS & SJ Small General Service KW Peak Demand Per Customer
(Actual vs. Weather Normalized)

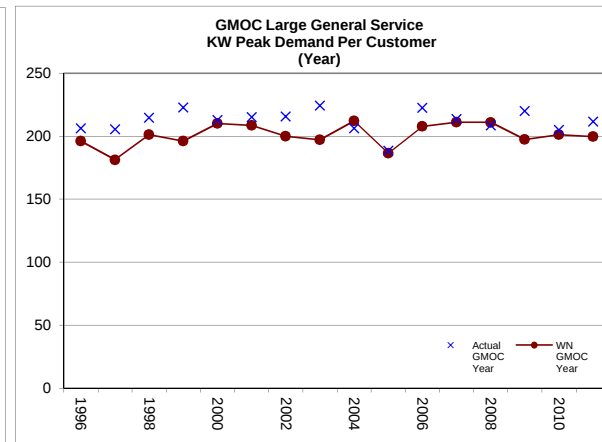
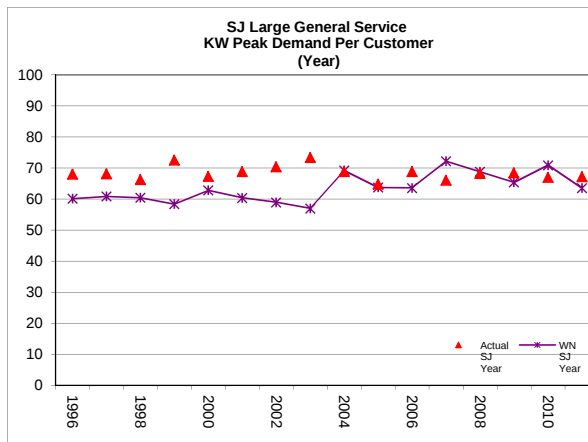
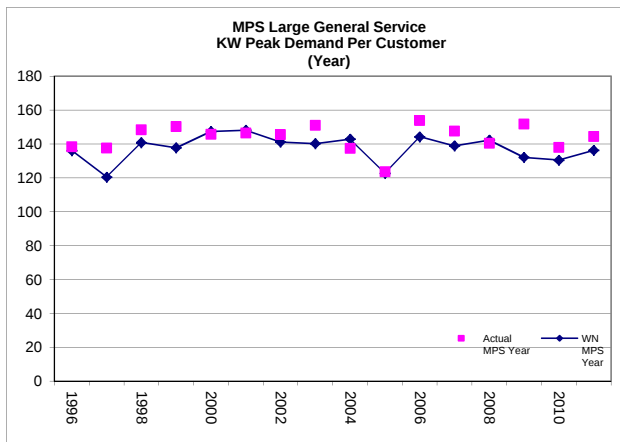
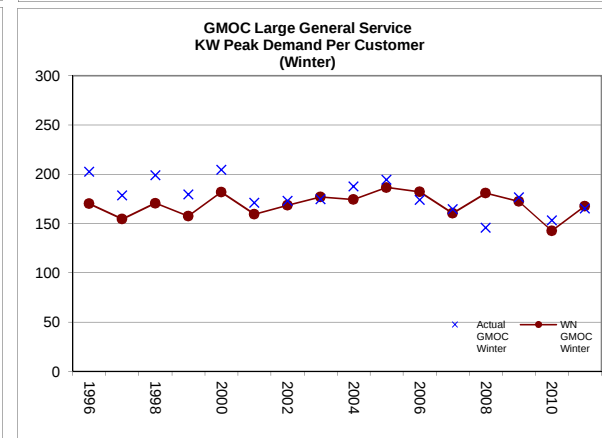
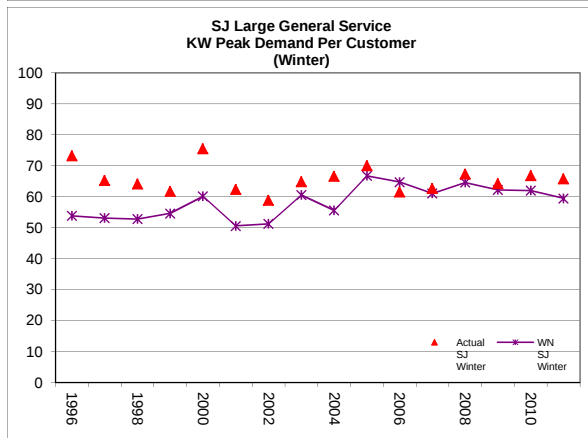
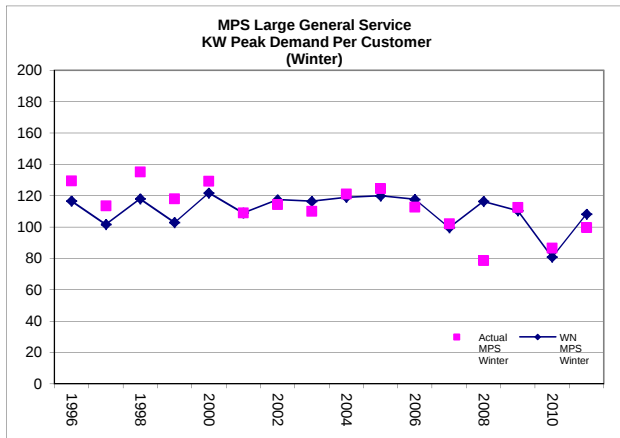
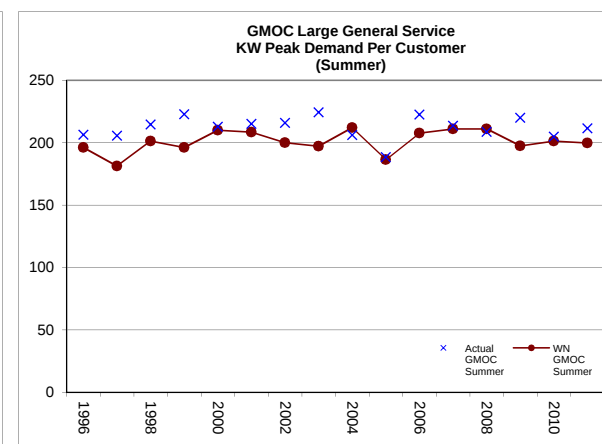
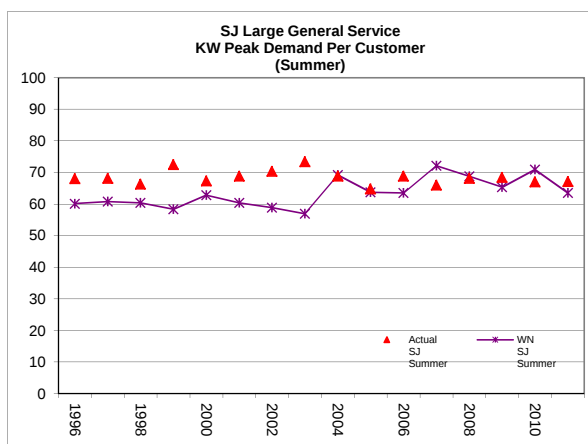
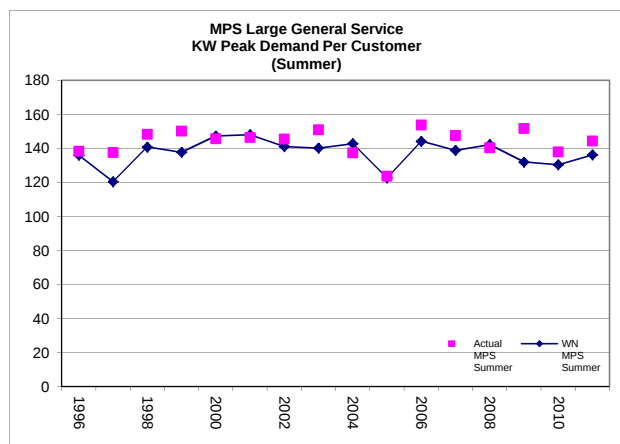
Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Total	WN GMOC Total
1995																		
1996	6.0	6.1	5.0	5.1	6.0	6.1	3.64	3.84	3.30	3.10	3.6	3.8	9.6	10.0	8.3	8.2	9.6	10.0
1997	6.0	5.3	4.7	4.7	6.0	5.3	3.74	3.94	3.34	3.37	3.7	3.9	9.8	9.2	8.1	8.1	9.8	9.2
1998	6.2	6.4	5.2	5.3	6.2	6.4	4.55	4.92	3.11	3.16	4.5	4.9	10.7	11.4	8.3	8.4	10.7	11.4
1999	6.5	6.4	4.9	4.9	6.5	6.4	4.19	4.87	3.34	3.29	4.2	4.9	10.7	11.3	8.2	8.2	10.7	11.3
2000	6.1	6.5	5.1	4.8	6.1	6.5	4.80	4.35	3.68	3.57	4.8	4.4	10.9	10.8	8.8	8.4	10.9	10.8
2001	6.2	6.3	4.6	4.7	6.2	6.3	4.81	4.96	3.19	3.23	4.8	5.0	11.0	11.2	7.8	7.9	11.0	11.2
2002	6.2	6.0	4.5	4.7	6.2	6.0	4.96	4.94	3.39	3.68	5.0	4.9	11.1	10.9	7.9	8.4	11.1	10.9
2003	6.5	6.0	4.7	4.7	6.5	6.0	5.27	3.68	3.61	3.69	5.3	3.7	11.8	9.7	8.3	8.4	11.8	9.7
2004	6.2	6.4	4.8	4.7	6.2	6.4	4.91	4.74	3.27	3.31	4.9	4.7	11.1	11.2	8.0	8.0	11.1	11.2
2005	5.5	5.4	4.9	4.8	5.5	5.4	3.85	3.82	3.71	3.57	3.8	3.8	9.3	9.2	8.6	8.4	9.3	9.2
2006	6.4	6.0	4.6	4.9	6.4	6.0	5.09	4.72	3.27	3.44	5.1	4.7	11.5	10.8	7.9	8.3	11.5	10.8
2007	6.4	6.3	4.3	4.4	6.4	6.3	4.85	4.33	3.41	3.53	4.9	4.3	11.2	10.7	7.7	7.9	11.2	10.7
2008	6.2	6.2	4.3	4.8	6.2	6.2	4.93	4.99	3.54	3.39	4.9	5.0	11.1	11.2	7.9	8.2	11.1	11.2
2009	6.6	6.2	4.8	4.7	6.6	6.2	4.59	4.06	3.99	3.87	4.6	4.1	11.1	10.2	8.8	8.6	11.1	10.2
2010	6.1	6.0	4.8	4.4	6.1	6.0	4.96	4.37	3.80	3.57	5.0	4.4	11.1	10.4	8.5	8.0	11.1	10.4
2011	6.4	6.0	4.5	4.7	6.4	6.0	4.89	4.66	3.67	3.55	4.9	4.7	11.3	10.7	8.2	8.2	11.3	10.7

96-'00	0.3%	1.3%	0.4%	-1.1%	0.3%	1.3%	7.2%	3.2%	2.8%	3.6%	7.2%	3.2%	3.1%	2.0%	1.3%	0.7%	3.1%	2.0%
00-'05	-2.1%	-3.5%	-0.7%	-0.2%	-2.1%	-3.5%	-4.3%	-2.6%	0.2%	0.0%	-4.3%	-2.6%	-3.1%	-3.1%	-0.3%	-0.1%	-3.1%	-3.1%
05-'10	2.2%	2.1%	-0.7%	-1.5%	2.2%	2.1%	5.2%	2.7%	0.5%	0.0%	5.2%	2.7%	3.5%	2.4%	-0.2%	-0.8%	3.5%	2.4%
10-'11	4.6%	-0.1%	-5.4%	5.2%	4.6%	-0.1%	-1.3%	6.6%	-3.3%	-0.4%	-1.3%	6.6%	2.0%	2.7%	-4.4%	2.7%	2.0%	2.7%
96-'11	0.4%	-0.2%	-0.7%	-0.5%	0.4%	-0.2%	2.0%	1.3%	0.7%	0.9%	2.0%	1.3%	1.1%	0.4%	-0.1%	0.1%	1.1%	0.4%



Plot 3A-22 MPS & SJ Large General Service KW Peak Demand Per Customer
(Actual vs. Weather Normalized)

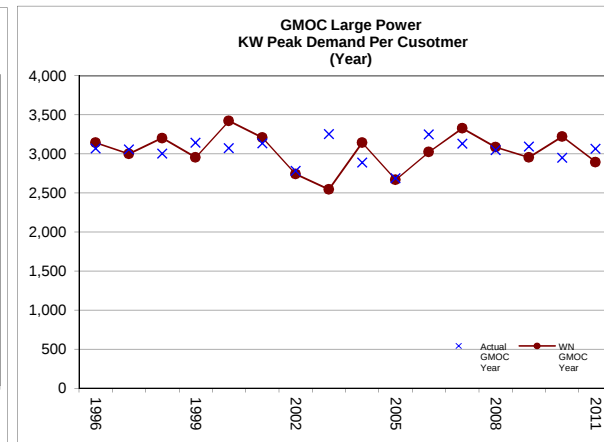
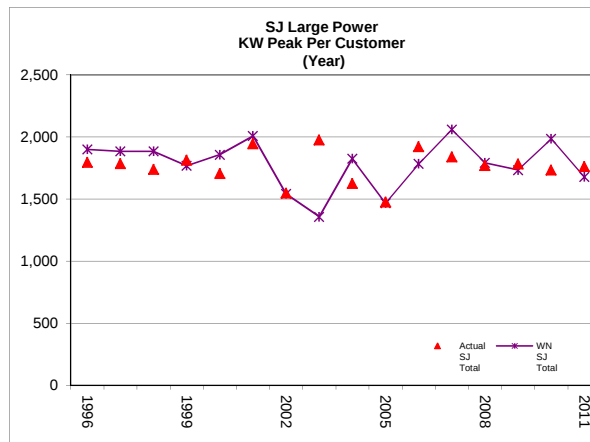
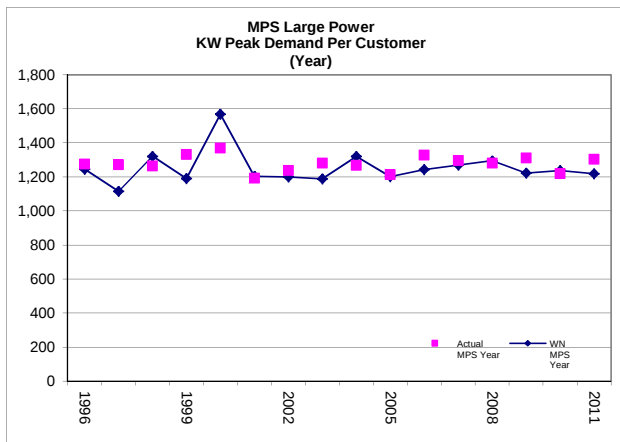
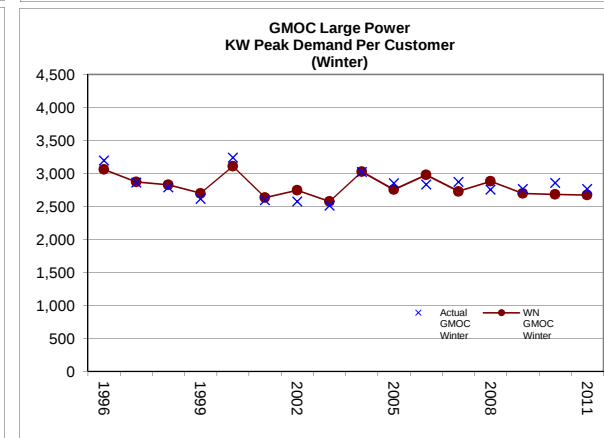
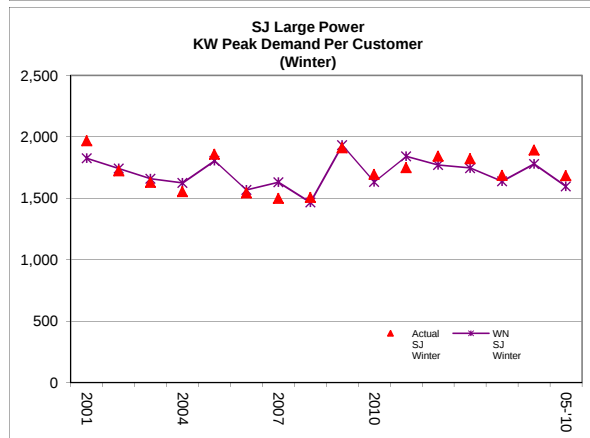
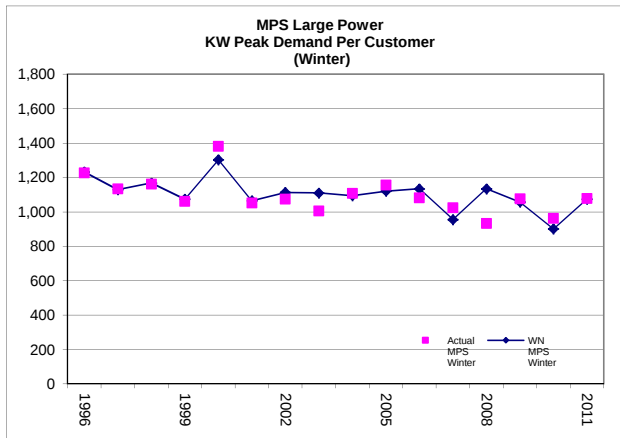
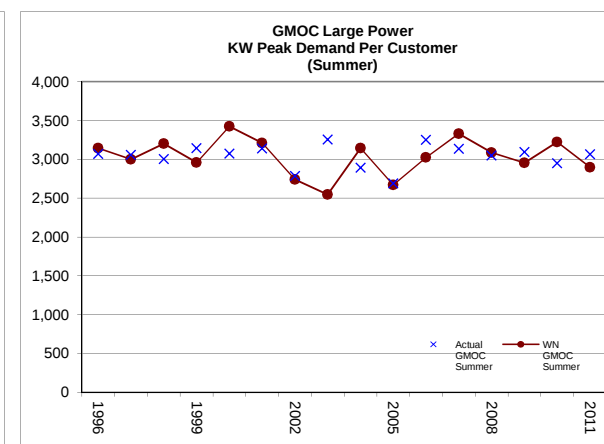
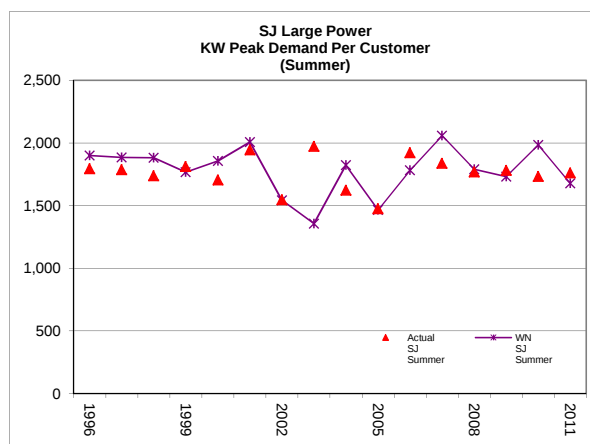
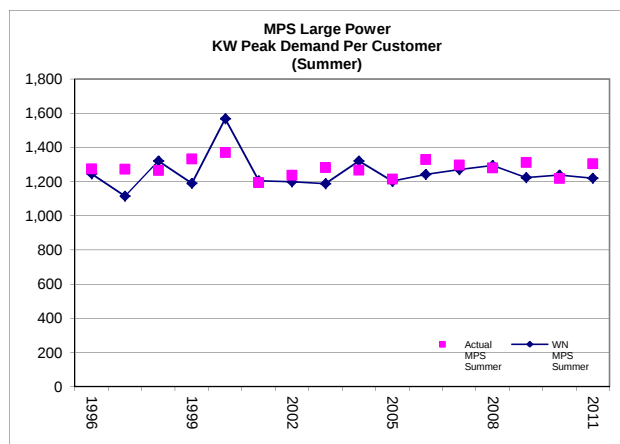
Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	138.3	136.1	129.4	116.5	138.3	136.1	68.03	60.11	73.25	53.84	68.0	60.1	206.3	196.2	202.6	170.3	206.3	196.2
1997	137.5	120.4	113.5	101.6	137.5	120.4	68.14	60.81	65.30	53.08	68.1	60.8	205.7	181.3	178.8	154.7	205.7	181.3
1998	148.3	140.9	135.1	118.0	148.3	140.9	66.32	60.40	64.11	52.75	66.3	60.4	214.6	201.3	199.2	170.7	214.6	201.3
1999	150.3	137.7	118.0	102.9	150.3	137.7	72.53	58.35	61.77	54.58	72.5	58.3	222.8	196.1	179.8	157.5	222.8	196.1
2000	145.6	147.3	129.2	121.7	145.6	147.3	67.32	62.76	75.55	60.06	67.3	62.8	212.9	210.1	204.8	181.8	212.9	210.1
2001	146.4	148.1	108.9	109.0	146.4	148.1	68.90	60.35	62.39	50.55	68.9	60.3	215.3	208.5	171.3	159.6	215.3	208.5
2002	145.4	141.1	114.4	117.4	145.4	141.1	70.43	58.89	58.85	51.21	70.4	58.9	215.8	200.0	173.2	168.7	215.8	200.0
2003	151.0	140.2	110.0	116.4	151.0	140.2	73.41	56.94	64.90	60.50	73.4	56.9	224.4	197.2	174.9	176.9	224.4	197.2
2004	137.4	142.9	121.0	118.9	137.4	142.9	68.88	69.16	66.67	55.52	68.9	69.2	206.2	212.0	187.7	174.4	206.2	212.0
2005	123.7	122.7	124.4	119.9	123.7	122.7	64.83	63.69	70.07	66.70	64.8	63.7	188.5	186.4	194.5	186.6	188.5	186.4
2006	153.8	144.2	112.7	117.7	153.8	144.2	68.91	63.55	61.60	64.71	68.9	63.5	222.7	207.8	174.3	182.4	222.7	207.8
2007	147.6	138.9	102.0	99.5	147.6	138.9	66.04	72.11	62.65	61.06	66.0	72.1	213.6	211.0	164.6	160.6	213.6	211.0
2008	140.5	142.2	78.7	116.4	140.5	142.2	68.21	68.75	67.32	64.57	68.2	68.7	208.7	211.0	146.0	180.9	208.7	211.0
2009	151.7	132.0	112.4	110.5	151.7	132.0	68.45	65.31	64.25	62.16	68.5	65.3	220.1	197.3	176.7	172.6	220.1	197.3
2010	137.9	130.4	86.5	80.8	137.9	130.4	67.01	70.85	66.83	62.00	67.0	70.9	204.9	201.3	153.4	142.7	204.9	201.3
2011	144.4	136.2	99.6	108.3	144.4	136.2	67.17	63.49	65.79	59.43	67.2	63.5	211.6	199.7	165.3	167.7	211.6	199.7
96-'00	1.3%	2.0%	0.0%	1.1%	1.3%	2.0%	-0.3%	1.1%	0.8%	2.8%	-0.3%	1.1%	0.8%	1.7%	0.3%	1.6%	0.8%	1.7%
00-'05	-3.2%	-3.6%	-0.8%	-0.3%	-3.2%	-3.6%	-0.8%	0.3%	-1.5%	2.1%	-0.8%	0.3%	-2.4%	-2.4%	-1.0%	0.5%	-2.4%	-2.4%
05-'10	2.2%	1.2%	-7.0%	-7.6%	2.2%	1.2%	0.7%	2.2%	-0.9%	-1.5%	0.7%	2.2%	1.7%	1.5%	-4.6%	-5.2%	1.7%	1.5%
10-'11	4.7%	4.5%	15.0%	34.1%	4.7%	4.5%	0.2%	-10.4%	-1.6%	-4.1%	0.2%	-10.4%	3.3%	-0.8%	7.8%	17.5%	3.3%	-0.8%
96-'11	0.3%	0.0%	-1.7%	-0.5%	0.3%	0.0%	-0.1%	0.4%	-0.7%	0.7%	-0.1%	0.4%	0.2%	0.1%	-1.3%	-0.1%	0.2%	0.1%



Plot 3A-23 MPS & SJ Large Power KW Peak Demand Per Customer
(Actual vs. Weather Normalized)

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Total	WN SJ Total	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	1,274.5	1,246.0	1,227.3	1,232.6	1,274.5	1,246.0	1,796.9	1,899.5	1,969.9	1,826.7	1,796.9	1,899.5	3,071.5	3,145.5	3,197.2	3,059.3	3,071.5	3,145.5
1997	1,271.7	1,115.3	1,134.3	1,129.5	1,271.7	1,115.3	1,787.0	1,884.4	1,726.0	1,742.5	1,787.0	1,884.4	3,058.7	2,999.7	2,860.3	2,872.0	3,058.7	2,999.7
1998	1,264.0	1,321.0	1,160.6	1,167.6	1,264.0	1,321.0	1,740.2	1,882.8	1,630.2	1,659.8	1,740.2	1,882.8	3,004.1	3,203.9	2,790.8	2,827.5	3,004.1	3,203.9
1999	1,331.8	1,189.9	1,060.5	1,073.7	1,331.8	1,189.9	1,814.4	1,767.4	1,554.9	1,625.6	1,814.4	1,767.4	3,146.2	2,957.3	2,615.5	2,699.3	3,146.2	2,957.3
2000	1,369.8	1,567.9	1,380.0	1,303.2	1,369.8	1,567.9	1,705.8	1,856.3	1,859.2	1,805.4	1,705.8	1,856.3	3,075.6	3,424.2	3,239.2	3,108.7	3,075.6	3,424.2
2001	1,192.8	1,204.2	1,051.7	1,064.9	1,192.8	1,204.2	1,945.5	2,007.2	1,545.6	1,568.5	1,945.5	2,007.2	3,138.3	3,211.4	2,597.3	2,633.4	3,138.3	3,211.4
2002	1,236.8	1,200.0	1,073.2	1,112.7	1,236.8	1,200.0	1,548.6	1,541.8	1,501.8	1,631.2	1,548.6	1,541.8	2,785.5	2,741.7	2,574.9	2,743.8	2,785.5	2,741.7
2003	1,281.7	1,188.2	1,005.3	1,110.0	1,281.7	1,188.2	1,975.5	1,356.7	1,508.7	1,466.9	1,975.5	1,356.7	3,257.1	2,544.8	2,514.0	2,576.9	3,257.1	2,544.8
2004	1,267.2	1,320.6	1,107.2	1,094.5	1,267.2	1,320.6	1,625.3	1,824.6	1,913.3	1,933.7	1,625.3	1,824.6	2,892.5	3,145.2	3,020.6	3,028.3	2,892.5	3,145.2
2005	1,213.3	1,201.9	1,155.0	1,119.8	1,213.3	1,201.9	1,475.6	1,466.8	1,696.1	1,634.4	1,475.6	1,466.8	2,688.9	2,668.7	2,851.1	2,754.3	2,688.9	2,668.7
2006	1,328.3	1,242.9	1,081.6	1,134.4	1,328.3	1,242.9	1,923.7	1,783.2	1,750.3	1,842.1	1,923.7	1,783.2	3,252.0	3,026.0	2,831.8	2,976.5	3,252.0	3,026.0
2007	1,295.8	1,269.8	1,024.6	955.6	1,295.8	1,269.8	1,839.1	2,058.7	1,845.4	1,772.4	1,839.1	2,058.7	3,134.9	3,328.4	2,869.9	2,728.0	3,134.9	3,328.4
2008	1,280.6	1,295.1	932.4	1,134.3	1,280.6	1,295.1	1,769.5	1,791.3	1,824.7	1,746.9	1,769.5	1,791.3	3,050.0	3,086.4	2,757.0	2,881.2	3,050.0	3,086.4
2009	1,311.8	1,222.6	1,075.7	1,057.5	1,311.8	1,222.6	1,783.3	1,732.9	1,687.7	1,639.5	1,783.3	1,732.9	3,095.1	2,955.5	2,763.4	2,697.0	3,095.1	2,955.5
2010	1,218.5	1,237.6	962.8	900.3	1,218.5	1,237.6	1,734.1	1,984.0	1,895.1	1,780.2	1,734.1	1,984.0	2,952.6	3,221.5	2,857.9	2,680.5	2,952.6	3,221.5
2011	1,303.1	1,218.9	1,077.9	1,074.0	1,303.1	1,218.9	1,762.7	1,678.0	1,684.9	1,597.3	1,762.7	1,678.0	3,065.9	2,896.9	2,762.8	2,671.4	3,065.9	2,896.9

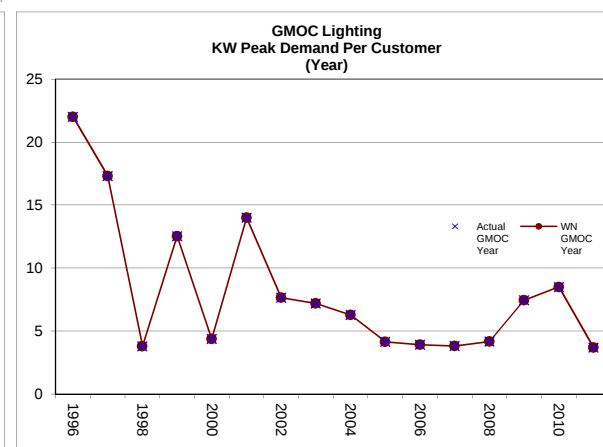
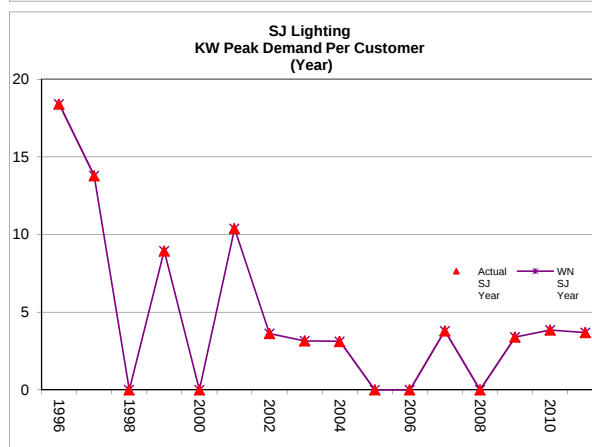
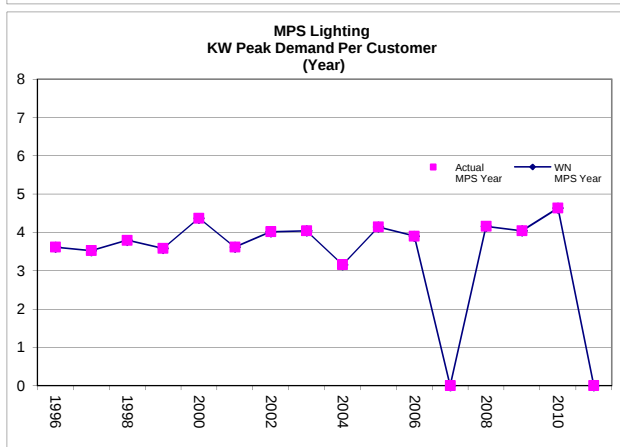
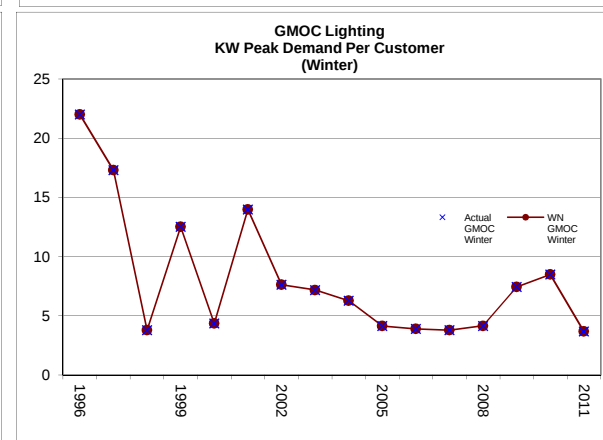
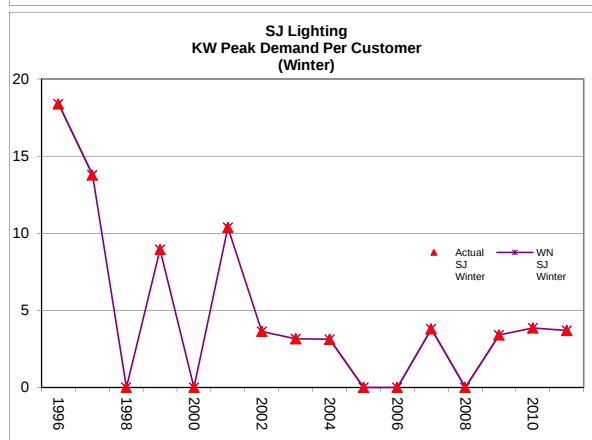
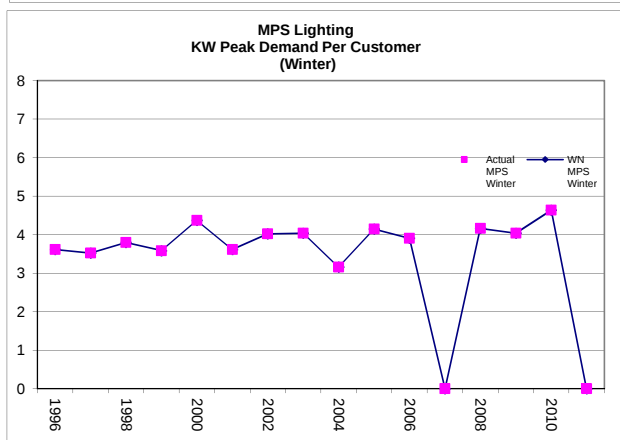
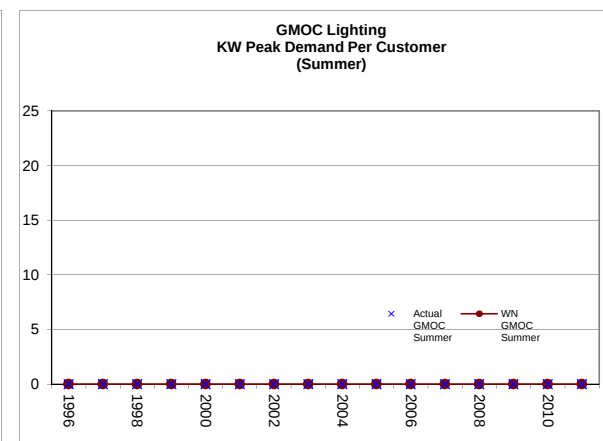
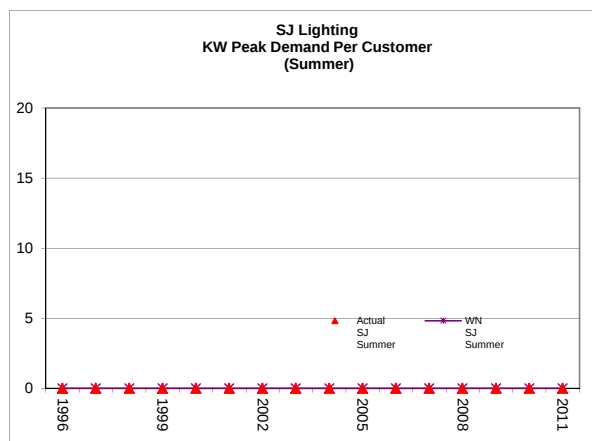
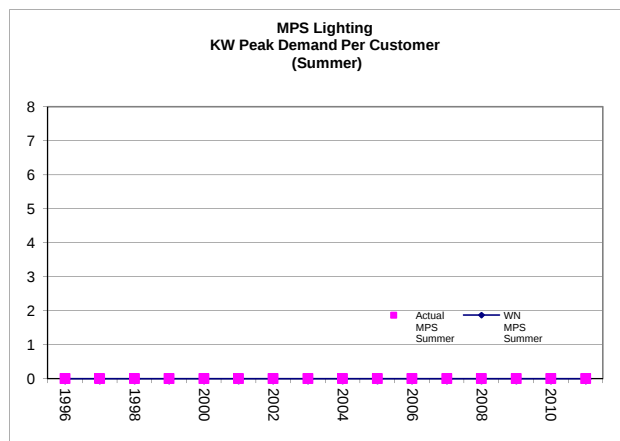
96-'00	1.8%	5.9%	3.0%	1.4%	1.8%	5.9%	-1.3%	-0.6%	-1.4%	-0.3%	-1.3%	-0.6%	0.0%	2.1%	0.3%	0.4%	0.0%	2.1%
00-'05	-2.4%	-5.2%	-3.5%	-3.0%	-2.4%	-5.2%	-2.9%	-4.6%	-1.8%	-2.0%	-2.9%	-4.6%	-2.7%	-4.9%	-2.5%	-2.4%	-2.7%	-4.9%
05-'10	0.1%	0.6%	-3.6%	-4.3%	0.1%	0.6%	3.3%	6.2%	2.2%	1.7%	3.3%	6.2%	1.9%	3.8%	0.0%	-0.5%	1.9%	3.8%
10-'11	6.9%	-1.5%	12.0%	19.3%	6.9%	-1.5%	1.7%	-15.4%	-11.1%	-10.3%	1.7%	-15.4%	3.8%	-10.1%	-3.3%	-0.3%	3.8%	-10.1%
96-'11	0.1%	-0.1%	-0.9%	-0.9%	0.1%	-0.1%	-0.1%	-0.8%	-1.0%	-0.9%	-0.1%	-0.8%	0.0%	-0.5%	-1.0%	-0.9%	0.0%	-0.5%



Plot 3A-24 MPS & SJ Lighting KW Peak Demand Per Customer
(Actual vs. Weather Normalized)

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	-	-	3.62	3.62	3.62	3.62	-	-	18.39	18.39	18.39	18.39	0.0	0.0	22.01	22.01	22.01	22.01
1997	-	-	3.53	3.53	3.53	3.53	-	-	13.79	13.79	13.79	13.79	0.0	0.0	17.31	17.31	17.31	17.31
1998	-	-	3.80	3.80	3.80	3.80	-	-	-	0.00	0.00	0.00	0.0	0.0	3.80	3.80	3.80	3.80
1999	-	-	3.59	3.59	3.59	3.59	-	-	8.95	8.95	8.95	8.95	0.0	0.0	12.53	12.53	12.53	12.53
2000	-	-	4.37	4.37	4.37	4.37	-	-	-	0.00	0.00	0.00	0.0	0.0	4.37	4.37	4.37	4.37
2001	-	-	3.61	3.61	3.61	3.61	-	-	10.38	10.38	10.38	10.38	0.0	0.0	13.99	13.99	13.99	13.99
2002	-	-	4.02	4.02	4.02	4.02	-	-	3.62	3.62	3.62	3.62	0.0	0.0	7.64	7.64	7.64	7.64
2003	-	-	4.04	4.04	4.04	4.04	-	-	3.15	3.15	3.15	3.15	0.0	0.0	7.19	7.19	7.19	7.19
2004	-	-	3.15	3.15	3.15	3.15	-	-	3.12	3.12	3.12	3.12	0.0	0.0	6.27	6.27	6.27	6.27
2005	-	-	4.14	4.14	4.14	4.14	-	-	-	0.00	0.00	0.00	0.0	0.0	4.14	4.14	4.14	4.14
2006	-	-	3.90	3.90	3.90	3.90	-	-	-	0.00	0.00	0.00	0.0	0.0	3.90	3.90	3.90	3.90
2007	-	-	-	0.00	0.00	0.00	-	-	3.80	3.80	3.80	3.80	0.0	0.0	3.80	3.80	3.80	3.80
2008	-	-	4.16	4.16	4.16	4.16	-	-	-	0.00	0.00	0.00	0.0	0.0	4.16	4.16	4.16	4.16
2009	-	-	4.04	4.04	4.04	4.04	-	-	3.40	3.40	3.40	3.40	0.0	0.0	7.44	7.44	7.44	7.44
2010	-	-	4.64	4.64	4.64	4.64	-	-	3.85	3.85	3.85	3.85	0.0	0.0	8.49	8.49	8.49	8.49
2011	-	-	-	0.00	0.00	0.00	-	-	3.69	3.69	3.69	3.69	0.0	0.0	3.69	3.69	3.69	3.69

96-'00	#DIV/0!	#DIV/0!	4.9%	4.9%	4.9%	4.9%	#DIV/0!	#DIV/0!	-100.0%	-100.0%	-100.0%	-100.0%	#DIV/0!	#DIV/0!	-33.2%	-33.2%	-33.2%	-33.2%
00-'05	#DIV/0!	#DIV/0!	-1.1%	-1.1%	-1.1%	-1.1%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-1.1%	-1.1%	-1.1%	-1.1%
05-'10	#DIV/0!	#DIV/0!	2.3%	2.3%	2.3%	2.3%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	15.4%	15.4%	15.4%	15.4%
10-'11	#DIV/0!	#DIV/0!	-100.0%	-100.0%	-100.0%	-100.0%	#DIV/0!	#DIV/0!	-4.3%	-4.3%	-4.3%	-4.3%	#DIV/0!	#DIV/0!	-56.6%	-56.6%	-56.6%	-56.6%
96-'11	#DIV/0!	#DIV/0!	-100.0%	-100.0%	-100.0%	-100.0%	#DIV/0!	#DIV/0!	-10.2%	-10.2%	-10.2%	-10.2%	#DIV/0!	#DIV/0!	-11.2%	-11.2%	-11.2%	-11.2%



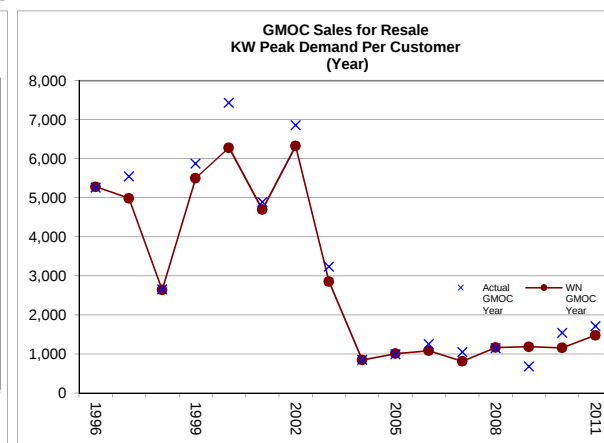
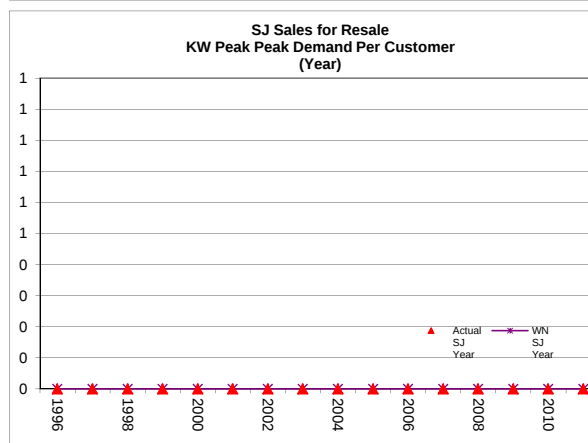
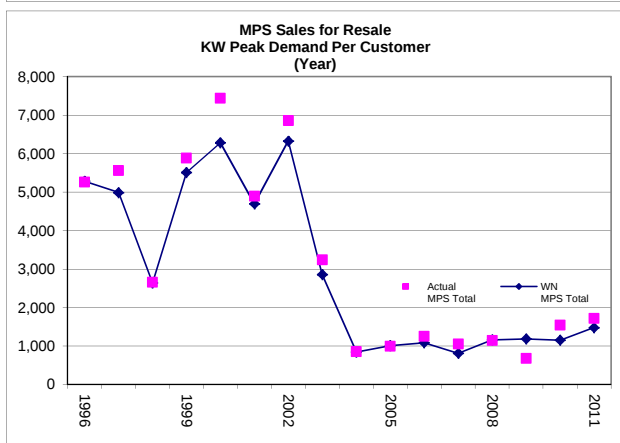
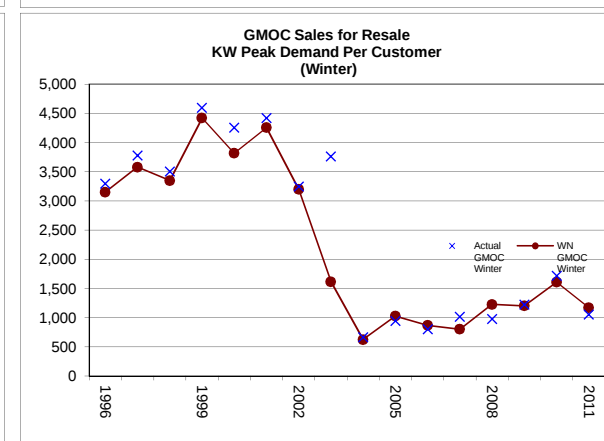
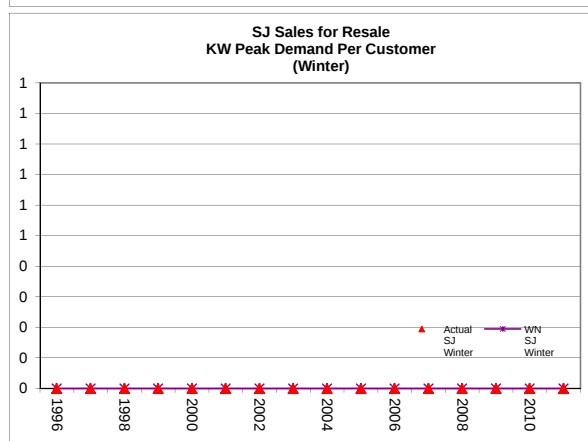
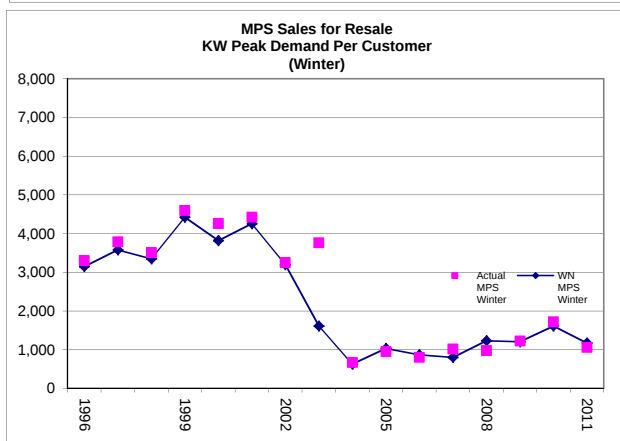
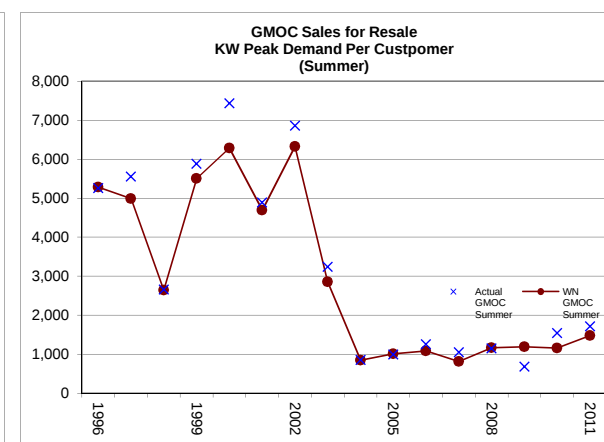
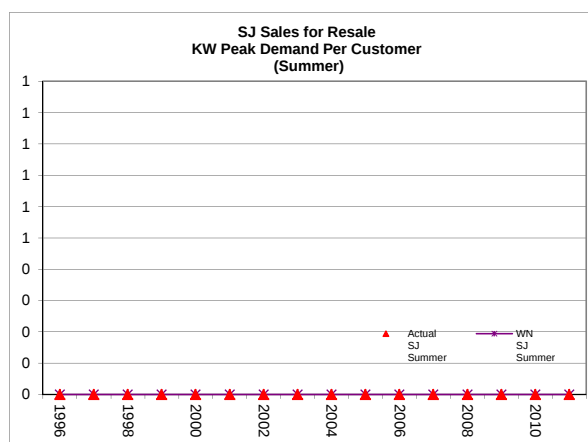
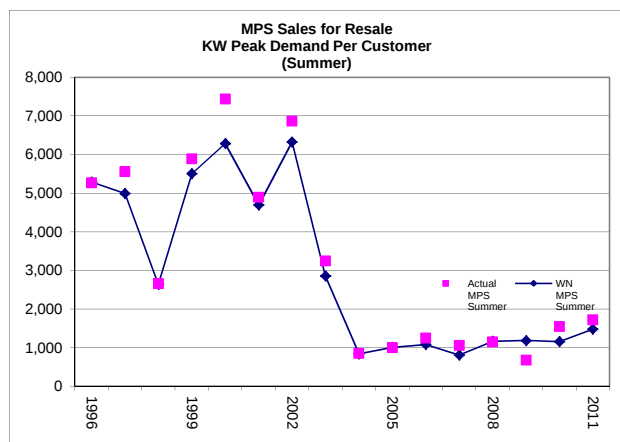
**St. Joseph Lighting Jump's due to change in methodology for accounting for private lighting after being acquired by MPS

**Data points that are zero are from differences in system coincident peak time falling later (Morning) or early (Early Evening) in day when there is no lighting load

Plot 3A-25 MPS & SJ Sales for Resale KW Peak Demand Per Customer
(Actual vs. Weather Normalized)

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Total	WN MPS Total	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	5,261.8	5,285.2	3,298.7	3,148.4	5,261.8	5,285.2	-	-	-	-	-	-	5,261.8	5,285.2	3,298.7	3,148.4	5,261.8	5,285.2
1997	5,555.9	4,988.4	3,781.3	3,578.7	5,555.9	4,988.4	-	-	-	-	-	-	5,555.9	4,988.4	3,781.3	3,578.7	5,555.9	4,988.4
1998	2,658.4	2,640.7	3,502.3	3,348.4	2,658.4	2,640.7	-	-	-	-	-	-	2,658.4	2,640.7	3,502.3	3,348.4	2,658.4	2,640.7
1999	5,882.2	5,506.7	4,593.3	4,420.8	5,882.2	5,506.7	-	-	-	-	-	-	5,882.2	5,506.7	4,593.3	4,420.8	5,882.2	5,506.7
2000	7,435.8	6,285.0	4,253.2	3,819.1	7,435.8	6,285.0	-	-	-	-	-	-	7,435.8	6,285.0	4,253.2	3,819.1	7,435.8	6,285.0
2001	4,894.1	4,695.6	4,421.7	4,255.4	4,894.1	4,695.6	-	-	-	-	-	-	4,894.1	4,695.6	4,421.7	4,255.4	4,894.1	4,695.6
2002	6,861.0	6,327.7	3,245.2	3,198.6	6,861.0	6,327.7	-	-	-	-	-	-	6,861.0	6,327.7	3,245.2	3,198.6	6,861.0	6,327.7
2003	3,240.9	2,856.0	3,762.7	1,611.4	3,240.9	2,856.0	-	-	-	-	-	-	3,240.9	2,856.0	3,762.7	1,611.4	3,240.9	2,856.0
2004	848.3	839.9	665.0	624.0	848.3	839.9	-	-	-	-	-	-	848.3	839.9	665.0	624.0	848.3	839.9
2005	994.2	1,007.0	945.8	1,026.5	994.2	1,007.0	-	-	-	-	-	-	994.2	1,007.0	945.8	1,026.5	994.2	1,007.0
2006	1,250.1	1,083.3	802.7	865.8	1,250.1	1,083.3	-	-	-	-	-	-	1,250.1	1,083.3	802.7	865.8	1,250.1	1,083.3
2007	1,052.3	810.0	1,016.2	800.5	1,052.3	810.0	-	-	-	-	-	-	1,052.3	810.0	1,016.2	800.5	1,052.3	810.0
2008	1,146.6	1,159.6	975.9	1,226.7	1,146.6	1,159.6	-	-	-	-	-	-	1,146.6	1,159.6	975.9	1,226.7	1,146.6	1,159.6
2009	676.1	1,183.8	1,222.1	1,201.3	676.1	1,183.8	-	-	-	-	-	-	676.1	1,183.8	1,222.1	1,201.3	676.1	1,183.8
2010	1,542.7	1,152.5	1,720.5	1,608.8	1,542.7	1,152.5	-	-	-	-	-	-	1,542.7	1,152.5	1,720.5	1,608.8	1,542.7	1,152.5
2011	1,717.3	1,478.2	1,055.6	1,170.5	1,717.3	1,478.2	-	-	-	-	-	-	1,717.3	1,478.2	1,055.6	1,170.5	1,717.3	1,478.2

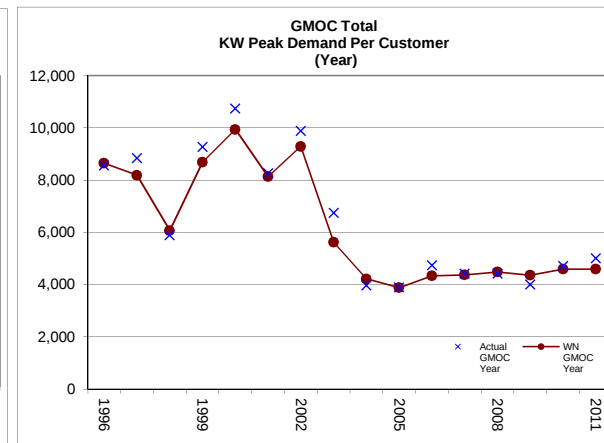
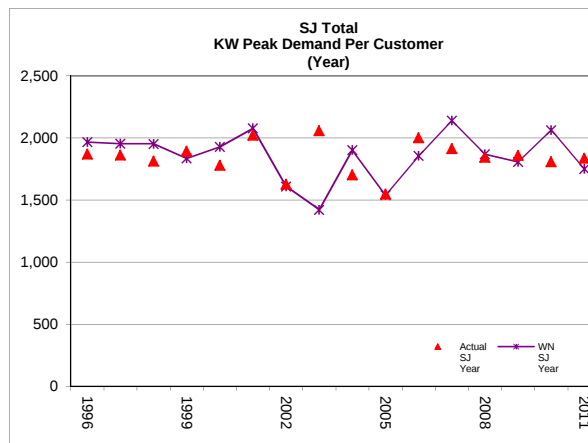
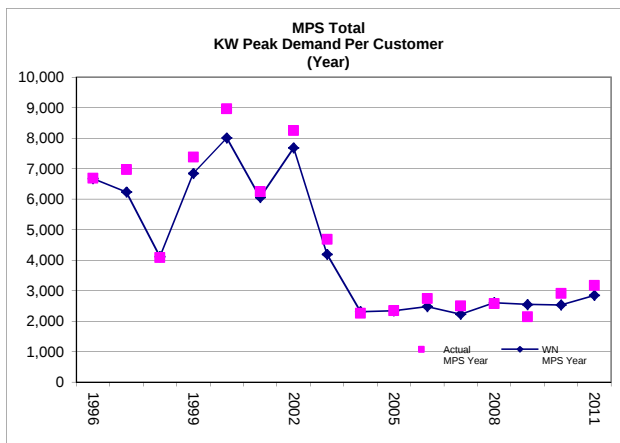
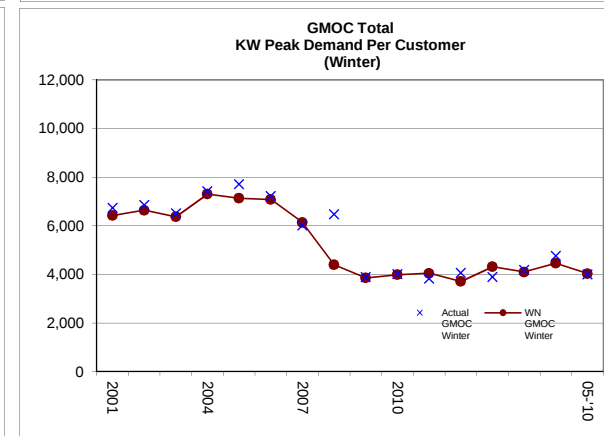
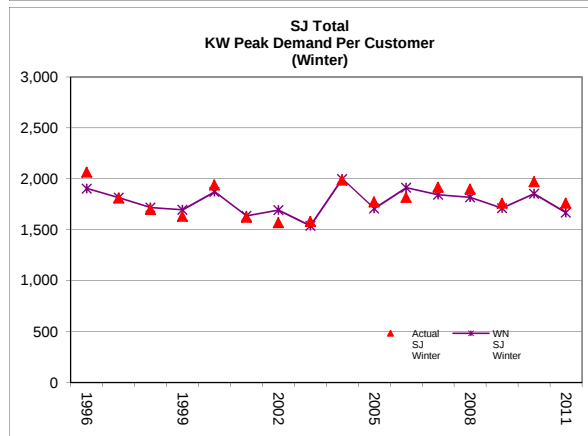
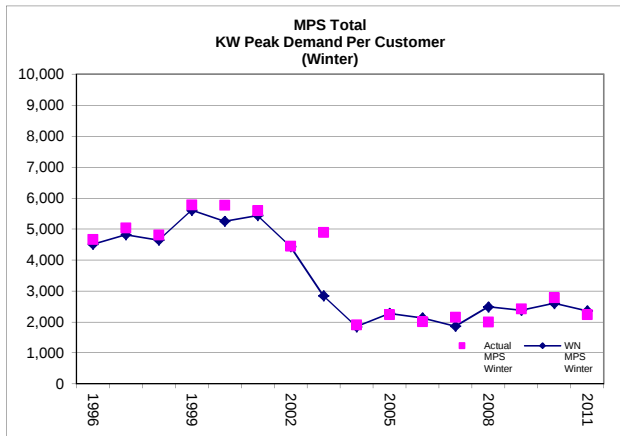
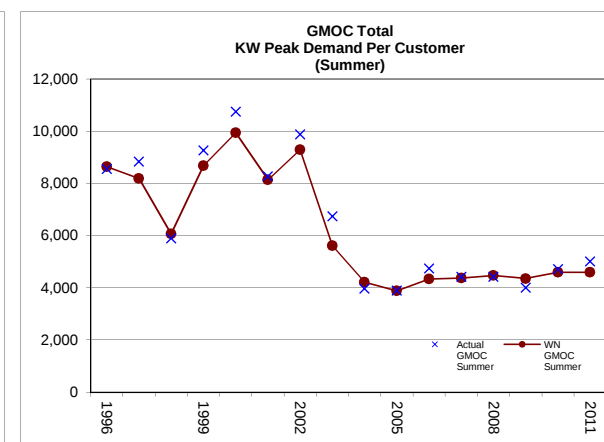
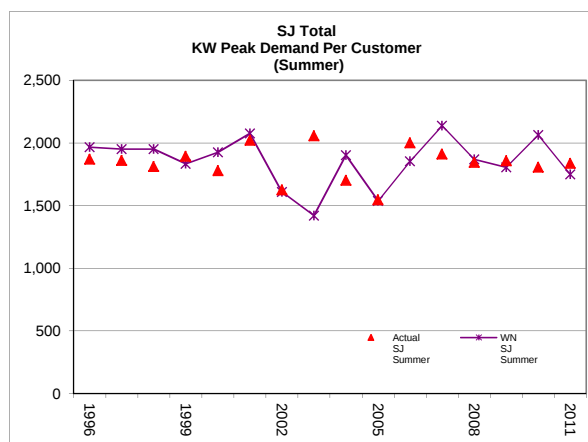
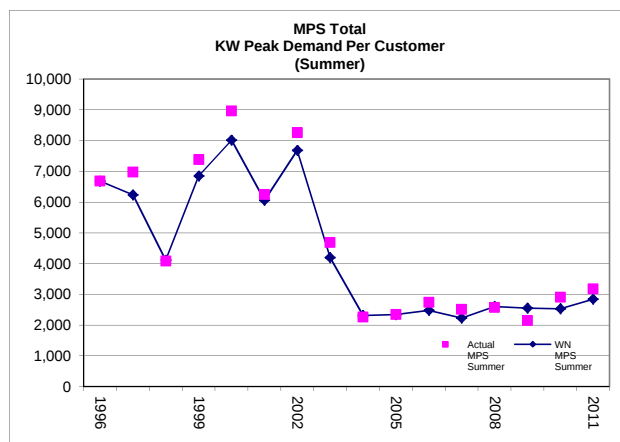
96-'00	9.0%	4.4%	6.6%	4.9%	9.0%	4.4%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	9.0%	4.4%	6.6%	4.9%	9.0%	4.4%
00-'05	-33.1%	-30.7%	-26.0%	-23.1%	-33.1%	-30.7%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-33.1%	-30.7%	-26.0%	-23.1%	-33.1%	-30.7%
05-'10	9.2%	2.7%	12.7%	9.4%	9.2%	2.7%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	9.2%	2.7%	12.7%	9.4%	9.2%	2.7%
10-'11	11.3%	28.3%	-38.6%	-27.2%	11.3%	28.3%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	11.3%	28.3%	-38.6%	-27.2%	11.3%	28.3%
96-'11	-7.2%	-8.1%	-7.3%	-6.4%	-7.2%	-8.1%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-7.2%	-8.1%	-7.3%	-6.4%	-7.2%	-8.1%



*In 2004/2005, El Dorado Springs, Odessa, and Harrisonville were no longer Sales for Resale customers.

Plot 3A-26 MPS & SJ Total KW Peak Demand Per Customer
(Actual vs. Weather Normalized)

Year	Actual MPS Summer	WN MPS Summer	Actual MPS Winter	WN MPS Winter	Actual MPS Year	WN MPS Year	Actual SJ Summer	WN SJ Summer	Actual SJ Winter	WN SJ Winter	Actual SJ Year	WN SJ Year	Actual GMOC Summer	WN GMOC Summer	Actual GMOC Winter	WN GMOC Winter	Actual GMOC Year	WN GMOC Year
1995																		
1996	6,684.7	6,677.7	4,666.1	4,508.3	6,684.7	6,677.7	1,871.9	1,966.9	2,067.0	1,904.4	1,871.9	1,966.9	8,556.6	8,644.6	6,733.2	6,412.8	8,556.6	8,644.6
1997	6,975.2	6,234.0	5,039.7	4,820.4	6,975.2	6,234.0	1,862.2	1,952.6	1,811.1	1,815.4	1,862.2	1,952.6	8,837.4	8,186.5	6,850.8	6,635.9	8,837.4	8,186.5
1998	4,081.2	4,113.6	4,809.4	4,645.4	4,081.2	4,113.6	1,814.6	1,952.0	1,699.8	1,718.2	1,814.6	1,952.0	5,895.7	6,065.6	6,509.2	6,363.6	5,895.7	6,065.6
1999	7,375.2	6,845.2	5,782.8	5,608.4	7,375.2	6,845.2	1,894.6	1,834.2	1,631.7	1,694.9	1,894.6	1,834.2	9,269.8	8,679.4	7,414.5	7,303.3	9,269.8	8,679.4
2000	8,961.5	8,011.2	5,774.4	5,255.6	8,961.5	8,011.2	1,781.6	1,927.1	1,940.9	1,871.5	1,781.6	1,927.1	10,743.1	9,938.2	7,715.2	7,127.1	10,743.1	9,938.2
2001	6,243.8	6,058.6	5,593.1	5,440.2	6,243.8	6,058.6	2,022.8	2,076.3	1,624.2	1,635.3	2,022.8	2,076.3	8,266.6	8,134.8	7,217.3	7,075.5	8,266.6	8,134.8
2002	8,253.7	7,678.9	4,443.5	4,439.8	8,253.7	7,678.9	1,627.6	1,609.2	1,570.3	1,692.5	1,627.6	1,609.2	9,881.3	9,288.0	6,013.8	6,132.3	9,881.3	9,288.0
2003	4,684.6	4,194.6	4,889.4	2,849.1	4,684.6	4,194.6	2,057.9	1,421.1	1,583.4	1,537.2	2,057.9	1,421.1	6,742.5	5,615.7	6,472.8	4,386.3	6,742.5	5,615.7
2004	2,263.2	2,314.1	1,903.7	1,847.8	2,263.2	2,314.1	1,702.7	1,902.2	1,989.4	1,998.7	1,702.7	1,902.2	3,965.9	4,216.4	3,893.1	3,846.5	3,965.9	4,216.4
2005	2,341.3	2,341.5	2,237.0	2,277.8	2,341.3	2,341.5	1,548.3	1,538.2	1,772.9	1,707.6	1,548.3	1,538.2	3,889.5	3,879.7	4,009.9	3,985.4	3,889.5	3,879.7
2006	2,743.0	2,480.5	2,008.1	2,129.3	2,743.0	2,480.5	2,001.5	1,854.9	1,817.8	1,913.2	2,001.5	1,854.9	4,744.5	4,335.5	3,825.9	4,042.4	4,744.5	4,335.5
2007	2,506.4	2,229.2	2,149.9	1,862.9	2,506.4	2,229.2	1,913.6	2,138.7	1,918.3	1,844.0	1,913.6	2,138.7	4,420.0	4,367.9	4,068.3	3,706.9	4,420.0	4,367.9
2008	2,577.9	2,607.4	1,998.6	2,489.2	2,577.9	2,607.4	1,846.2	1,868.7	1,898.6	1,817.8	1,846.2	1,868.7	4,424.2	4,476.1	3,897.2	4,307.0	4,424.2	4,476.1
2009	2,150.1	2,548.7	2,421.9	2,380.9	2,150.1	2,548.7	1,859.8	1,805.6	1,763.0	1,712.5	1,859.8	1,805.6	4,009.8	4,354.3	4,184.9	4,093.4	4,009.8	4,354.3
2010	2,909.4	2,530.6	2,782.9	2,602.3	2,909.4	2,530.6	1,809.7	2,062.7	1,973.0	1,852.8	1,809.7	2,062.7	4,719.1	4,593.2	4,755.9	4,455.1	4,719.1	4,593.2
2011	3,175.6	2,843.5	2,240.8	2,360.3	3,175.6	2,843.5	1,838.4	1,749.6	1,761.4	1,667.4	1,838.4	1,749.6	5,014.1	4,593.2	4,002.2	4,027.7	5,014.1	4,593.2
96-'00	7.6%	4.7%	5.5%	3.9%	7.6%	4.7%	-1.2%	-0.5%	-1.6%	-0.4%	-1.2%	-0.5%	5.9%	3.5%	3.5%	2.7%	5.9%	3.5%
00-'05	-23.5%	-21.8%	-17.3%	-15.4%	-23.5%	-21.8%	-2.8%	-4.4%	-1.8%	-1.8%	-2.8%	-4.4%	-18.4%	-17.1%	-12.3%	-11.0%	-18.4%	-17.1%
05-'10	4.4%	1.6%	4.5%	2.7%	4.4%	1.6%	3.2%	6.0%	2.2%	1.6%	3.2%	6.0%	3.9%	3.4%	3.5%	2.3%	3.9%	3.4%
10-'11	9.2%	12.4%	-19.5%	-9.3%	9.2%	12.4%	1.6%	-15.2%	-10.7%	-10.0%	1.6%	-15.2%	6.2%	0.0%	-15.8%	-9.6%	6.2%	0.0%
96-'11	-4.8%	-5.5%	-4.8%	-4.2%	-4.8%	-5.5%	-0.1%	-0.8%	-1.1%	-0.9%	-0.1%	-0.8%	-3.5%	-4.1%	-3.4%	-3.1%	-3.5%	-4.1%

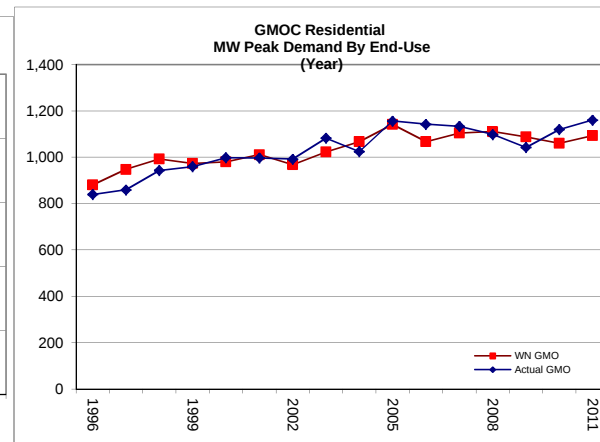
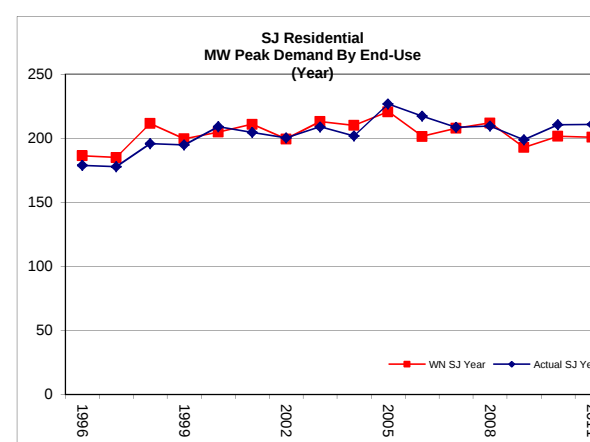
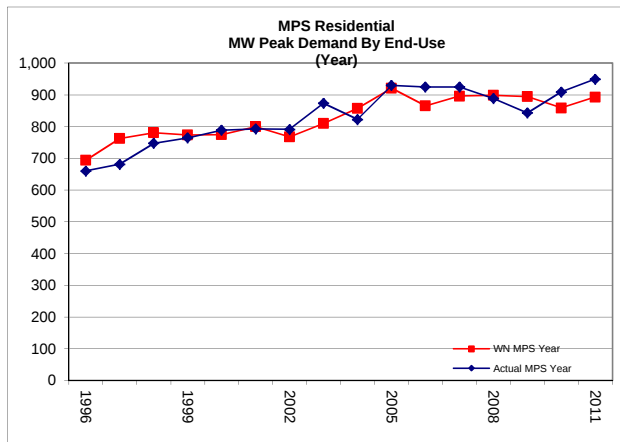
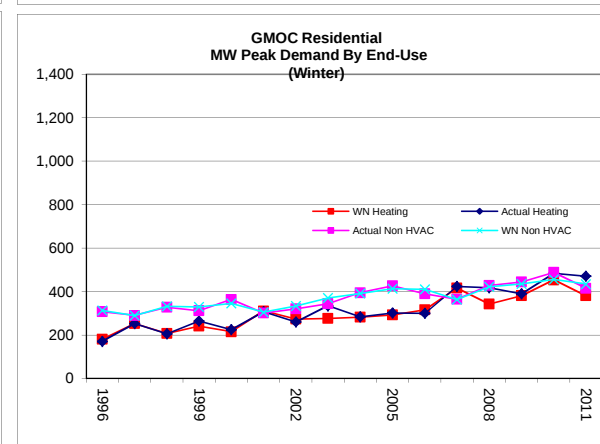
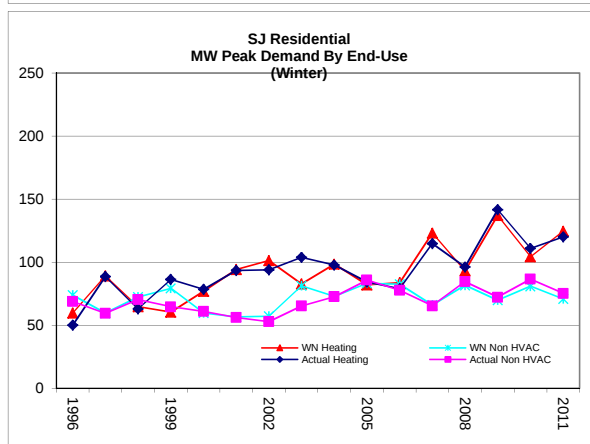
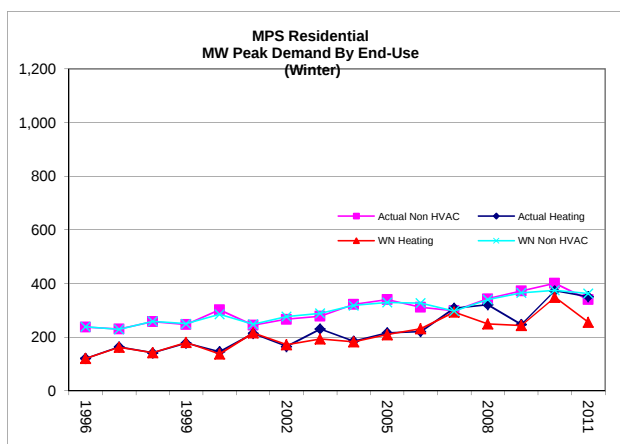
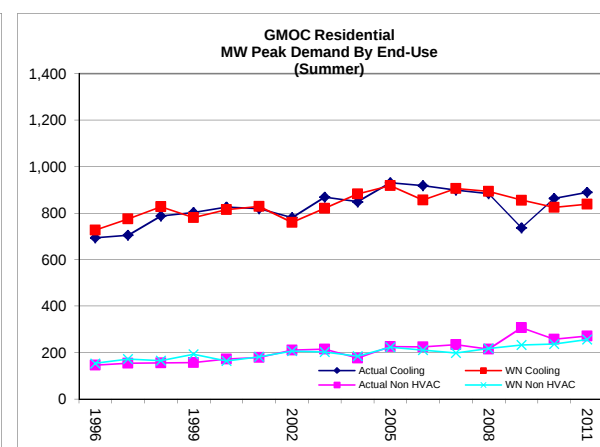
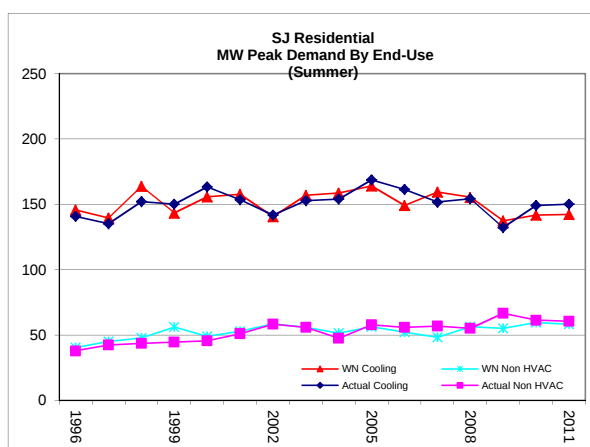
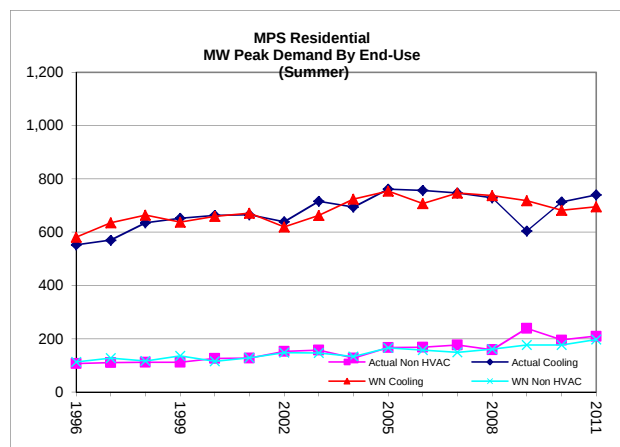


Plot 3A-27 MPS & SJ Residential MW Peak Demand By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	552.44	580.99	120.60	121.13	107.70	112.87	238.15	239.18	660.1	693.9	140.87	145.75	50.00	59.57	37.91	40.48	68.76	73.73	178.8	186.2
1997	569.98	635.51	163.66	162.97	111.28	127.23	230.75	229.78	681.3	762.7	135.32	139.65	88.56	89.05	42.46	45.23	59.28	59.47	177.8	184.9
1998	635.30	663.98	141.77	142.63	111.83	116.88	257.66	259.22	747.1	780.9	152.17	163.81	62.96	64.74	43.68	47.76	70.34	72.22	195.9	211.6
1999	652.09	637.38	178.29	180.50	112.11	136.14	247.25	250.32	764.2	773.5	150.19	143.43	86.25	60.29	44.60	56.10	64.55	79.09	194.8	199.5
2000	662.56	659.54	146.22	138.09	126.42	115.23	302.71	285.88	789.0	774.8	163.51	155.82	78.45	76.92	45.55	48.95	60.95	59.69	209.1	204.8
2001	665.04	671.37	213.85	216.54	127.49	128.70	245.23	248.31	792.5	800.1	153.56	157.77	93.40	94.17	50.92	53.07	55.96	56.44	204.5	210.8
2002	638.84	619.79	165.67	171.78	152.42	147.87	266.95	276.79	791.3	767.7	141.96	140.68	93.78	101.18	58.37	58.70	52.81	57.00	200.3	199.4
2003	715.67	663.47	230.44	193.34	158.00	146.48	278.52	288.69	873.7	809.9	152.86	157.13	103.83	82.60	56.01	55.92	65.26	81.11	208.9	213.0
2004	694.65	723.92	185.53	183.40	127.97	133.36	322.04	318.35	822.6	857.3	154.15	158.64	97.74	98.37	47.62	51.45	72.48	72.81	201.8	210.1
2005	761.86	754.69	216.46	209.87	167.64	166.06	340.04	329.69	929.5	920.8	168.86	164.10	84.19	81.95	57.81	56.50	85.69	83.30	226.7	220.6
2006	756.35	707.72	221.26	232.06	168.56	157.73	312.04	327.28	924.9	865.4	161.50	149.15	78.80	83.75	55.80	52.24	77.70	82.49	217.3	201.4
2007	747.19	746.60	308.27	293.42	177.35	149.53	298.76	297.12	924.5	896.1	151.77	159.53	114.70	123.11	56.78	48.29	65.28	66.02	208.5	207.8
2008	729.30	737.57	321.09	249.34	159.24	161.05	343.28	340.47	888.5	898.6	154.25	155.44	96.20	93.02	55.17	56.43	84.48	81.57	209.4	211.9
2009	603.77	718.14	247.65	243.45	239.67	176.76	372.14	365.83	843.4	894.9	132.25	137.50	141.64	137.03	66.59	55.25	72.17	69.68	198.8	192.8
2010	713.53	682.12	373.27	349.03	195.59	176.64	401.32	375.26	909.1	858.8	149.14	141.92	110.96	104.34	61.42	59.65	86.55	80.79	210.6	201.6
2011	739.51	695.54	350.89	255.80	209.93	197.45	339.99	363.48	949.4	893.0	150.23	142.42	119.92	124.55	60.59	58.26	75.19	70.81	210.8	200.7
96-'00	4.6%	3.2%	4.9%	3.3%	4.1%	0.5%	6.2%	4.6%	4.6%	2.8%	3.8%	1.7%	11.9%	6.6%	4.7%	4.9%	-3.0%	-5.1%	4.0%	2.4%
00-'05	2.8%	2.7%	8.2%	8.7%	5.8%	7.6%	2.4%	2.9%	3.3%	3.5%	0.6%	1.0%	1.4%	1.3%	4.9%	2.9%	7.1%	6.9%	1.6%	1.5%
05-'10	-1.3%	-2.0%	11.5%	10.7%	3.1%	1.2%	3.4%	2.6%	-0.4%	-1.4%	-2.5%	-2.9%	5.7%	5.0%	1.2%	1.1%	0.2%	-0.6%	-1.5%	-1.8%
10-'11	3.6%	2.0%	-6.0%	-26.7%	7.3%	11.8%	-15.3%	-3.1%	4.4%	4.0%	0.7%	0.4%	8.1%	19.4%	-1.3%	-2.3%	-13.1%	-12.4%	0.1%	-0.4%
96-'11	2.0%	1.2%	7.4%	5.1%	4.5%	3.8%	2.4%	2.8%	2.5%	1.7%	0.4%	-0.2%	6.0%	5.0%	3.2%	2.5%	0.6%	-0.3%	1.1%	0.5%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	693.3	726.7	170.6	180.7	145.6	153.3	306.9	312.9	838.9	880.1
1992	705.3	775.2	252.2	252.0	153.7	172.5	290.0	289.3	859.0	947.6
1993	787.5	827.8	204.7	207.4	155.5	164.6	328.0	331.4	943.0	992.4
1994	802.3	780.8	264.5	240.8	156.7	192.2	311.8	329.4	959.0	973.1
1995	826.1	815.4	224.7	215.0	172.0	164.2	363.7	345.6	998.0	979.5
1996	818.6	829.1	307.3	310.7	178.4	181.8	301.2	304.7	997.0	1,010.9
1997	780.8	760.5	259.5	273.0	210.8	206.6	319.8	333.8	991.6	967.0
1998	868.5	820.6	334.3	275.9	214.0	202.4	343.8	369.8	1,082.6	1,023.0
1999	848.8	882.6	283.3	281.8	175.6	184.8	394.5	391.2	1,024.4	1,067.4
2000	930.7	918.8	300.6	291.8	225.4	222.6	425.7	413.0	1,156.2	1,141.4
2001	917.8	856.9	300.1	315.8	224.4	210.0	389.7	409.8	1,142.2	1,066.8
2002	899.0	906.1	423.0	416.5	234.1	197.8	364.0	363.1	1,133.1	1,104.0
2003	883.6	893.0	417.3	342.4	214.4	217.5	427.8	422.0	1,098.0	1,110.5
2004	736.0	855.6	389.3	380.5	306.3	232.0	444.3	435.5	1,042.3	1,087.7
2005	862.7	824.0	484.2	453.4	257.0	236.3	487.9	456.1	1,119.7	1,060.3
2006	889.7	838.0	470.8	380.4	270.5	255.7	415.2	434.3	1,160.3	1,093.7

0.1%	4.5%	2.9%	7.1%	4.4%	4.2%	1.7%	4.3%	2.5%	4.4%	2.7%
0.1%	2.4%	2.4%	6.0%	6.3%	5.6%	6.3%	3.2%	3.6%	3.0%	3.1%
0.0%	-1.5%	-2.2%	10.0%	9.2%	2.7%	1.2%	2.8%	2.0%	-0.6%	-1.5%
0.0%	3.1%	1.7%	-2.8%	-16.1%	5.3%	8.2%	-14.9%	-4.8%	3.6%	3.1%
0.1%	1.7%	1.0%	7.0%	5.1%	4.2%	3.5%	2.0%	2.2%	2.2%	1.5%

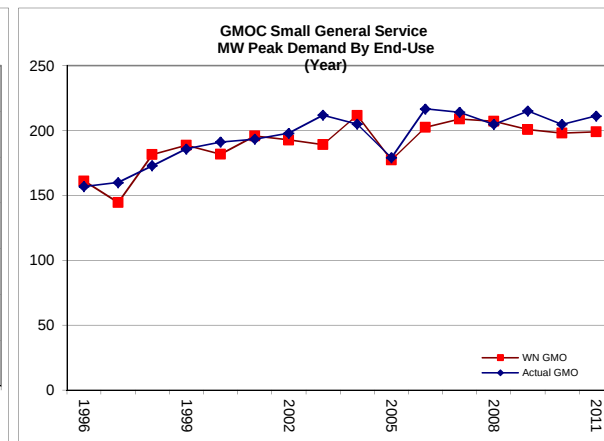
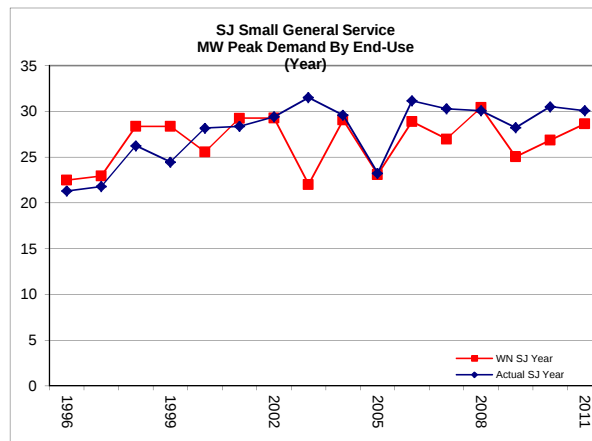
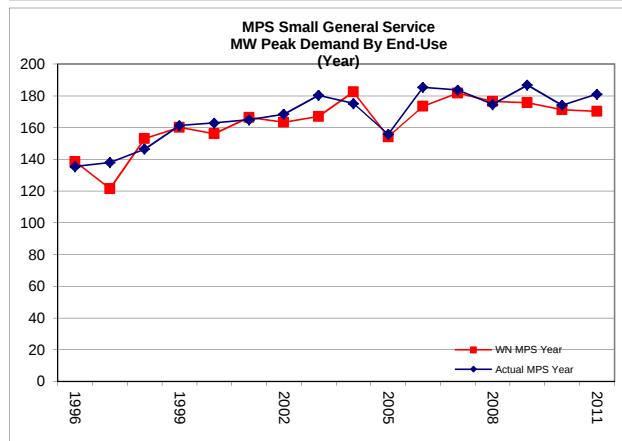
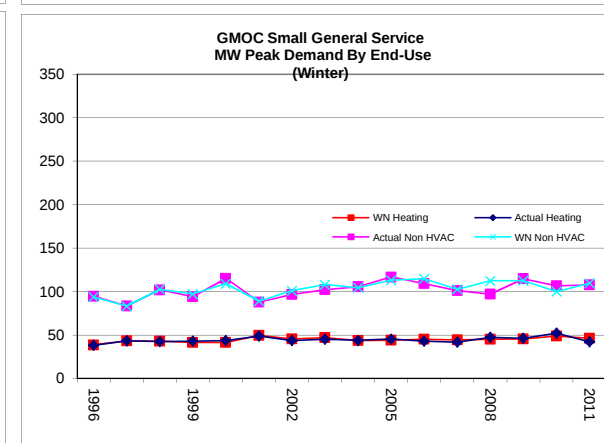
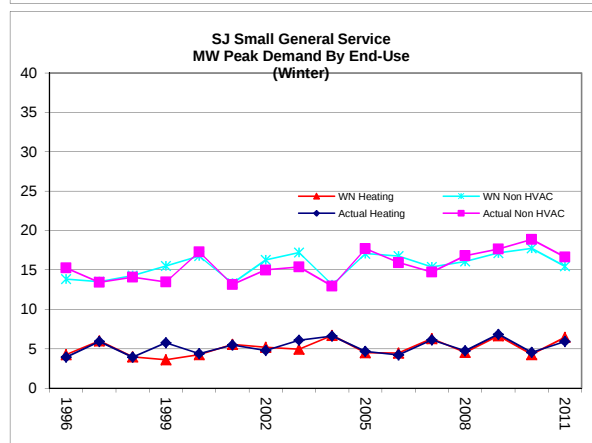
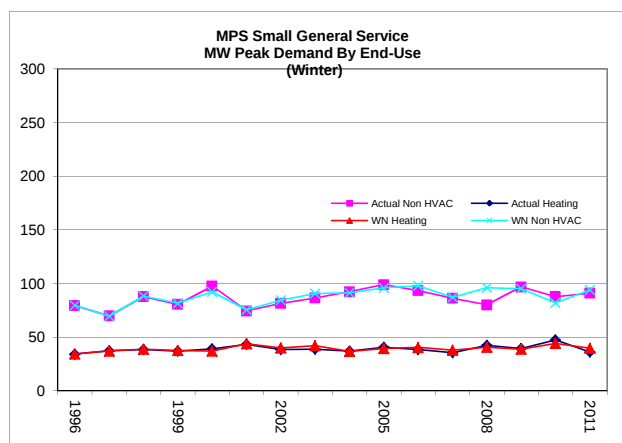
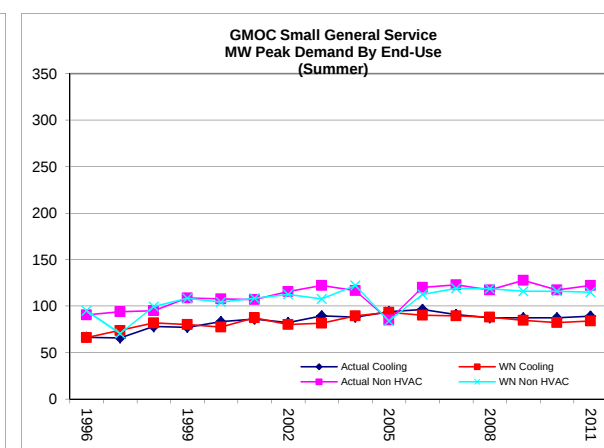
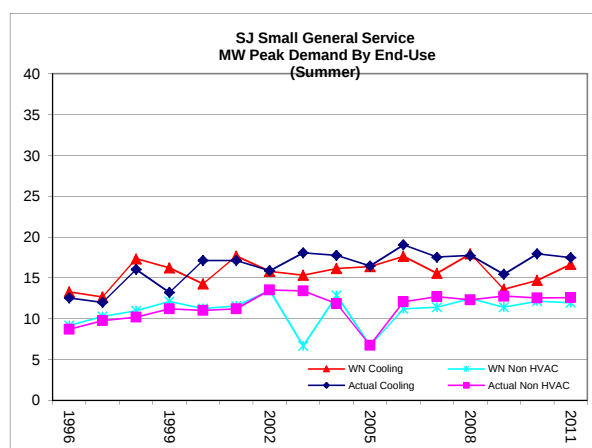
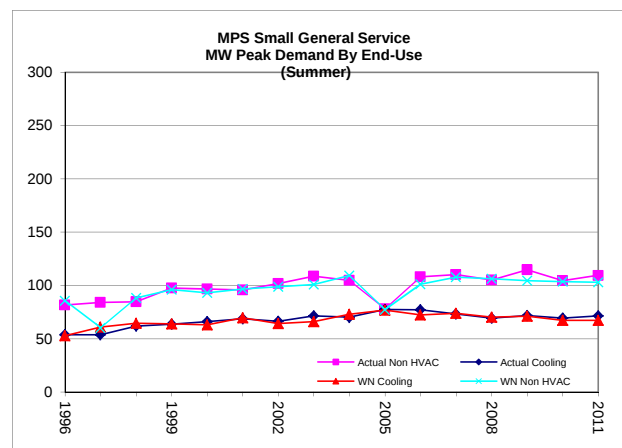


Plot 3A-28 MPS & SJ Small General Service MW Peak Demand By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	53.77	52.84	34.23	34.38	81.72	85.77	79.35	79.70	135.5	138.6	12.56	13.28	3.92	4.24	8.72	9.19	15.26	13.83	21.3	22.5
1997	53.78	61.11	37.41	37.25	84.28	60.30	69.97	69.67	138.1	121.4	12.02	12.67	5.93	5.99	9.77	10.26	13.42	13.53	21.8	22.9
1998	61.90	64.67	38.66	38.90	84.63	88.45	87.84	88.36	146.5	153.1	16.03	17.35	3.91	3.98	10.20	11.00	14.09	14.30	26.2	28.3
1999	63.74	64.01	37.19	37.65	97.54	96.20	80.68	81.67	161.3	160.2	13.22	16.24	5.77	3.62	11.23	12.10	13.49	15.51	24.4	28.3
2000	66.22	63.18	39.28	37.10	96.69	93.02	97.59	92.17	162.9	156.2	17.13	14.29	4.38	4.25	11.03	11.25	17.28	16.77	28.2	25.5
2001	68.98	69.61	43.32	43.87	95.91	96.83	74.53	75.47	164.9	166.4	17.15	17.69	5.46	5.54	11.21	11.55	13.14	13.32	28.4	29.2
2002	66.44	64.44	38.67	40.11	101.97	98.93	81.56	84.55	168.4	163.4	15.88	15.81	4.79	5.20	13.53	13.45	15.00	16.28	29.4	29.3
2003	71.42	66.20	38.95	42.12	108.83	100.90	86.66	90.65	180.3	167.1	18.08	15.33	6.07	4.93	13.42	6.67	15.38	17.21	31.5	22.0
2004	70.20	73.16	37.19	36.77	104.98	109.40	92.39	91.32	175.2	182.6	17.75	16.17	6.61	6.68	11.83	12.87	12.96	13.10	29.6	29.0
2005	77.57	76.83	40.61	39.38	78.12	77.38	98.98	95.96	155.7	154.2	16.48	16.38	4.67	4.50	6.75	6.71	17.71	17.07	23.2	23.1
2006	77.32	72.32	38.64	40.53	108.11	101.17	93.35	97.91	185.4	173.5	19.05	17.66	4.22	4.44	12.09	11.21	15.93	16.76	31.1	28.9
2007	73.43	74.03	35.64	38.02	110.24	107.79	86.28	87.21	183.7	181.8	17.54	15.57	6.11	6.28	12.72	11.40	14.72	15.40	30.3	27.0
2008	69.49	70.27	42.53	40.59	105.11	106.30	80.17	96.18	174.6	176.6	17.74	17.96	4.74	4.54	12.31	12.45	16.79	16.07	30.1	30.4
2009	71.90	71.11	39.47	38.80	114.87	104.58	96.88	95.22	186.8	175.7	15.44	13.59	6.83	6.63	12.77	11.43	17.66	17.15	28.2	25.0
2010	69.36	67.44	47.41	44.33	104.64	103.74	87.77	82.07	174.0	171.2	17.94	14.69	4.55	4.27	12.56	12.15	18.89	17.74	30.5	26.8
2011	71.56	67.29	36.21	39.71	109.49	102.98	91.14	93.95	181.1	170.3	17.49	16.65	5.93	6.46	12.58	11.97	16.63	15.47	30.1	28.6
96-'00	5.3%	4.6%	3.5%	1.9%	4.3%	2.1%	5.3%	3.7%	4.7%	3.0%	8.1%	1.8%	2.8%	0.1%	6.1%	5.2%	3.2%	4.9%	7.3%	3.3%
00-'05	3.2%	4.0%	0.7%	1.2%	-4.2%	-3.6%	0.3%	0.8%	-0.9%	-0.3%	-0.8%	2.8%	1.3%	1.1%	-9.4%	-9.8%	0.5%	0.4%	-3.8%	-2.0%
05-'10	-2.2%	-2.6%	3.1%	2.4%	6.0%	6.0%	-2.4%	-3.1%	2.2%	2.1%	1.7%	-2.1%	-0.5%	-1.0%	13.2%	12.6%	1.3%	0.8%	5.6%	3.1%
10-'11	3.2%	-0.2%	-23.6%	-10.4%	4.6%	-0.7%	3.8%	14.5%	4.1%	-0.5%	-2.5%	13.3%	30.4%	51.2%	0.1%	-1.4%	-11.9%	-12.8%	-1.4%	6.7%
96-'11	1.9%	1.6%	0.4%	1.0%	2.0%	1.2%	0.9%	1.1%	2.0%	1.4%	2.2%	1.5%	2.8%	2.9%	2.5%	1.8%	0.6%	0.7%	2.3%	1.6%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	66.3	66.1	38.2	38.6	90.4	95.0	94.6	93.5	156.8	161.1
1992	65.8	73.8	43.3	43.2	94.0	70.6	83.4	83.2	159.8	144.3
1993	77.9	82.0	42.6	42.9	94.8	99.4	101.9	102.7	172.8	181.5
1994	77.0	80.3	43.0	41.3	108.8	108.3	94.2	97.2	185.7	188.6
1995	83.3	77.5	43.7	41.4	107.7	104.3	114.9	108.9	191.1	181.7
1996	86.1	87.3	48.8	49.4	107.1	108.4	87.7	88.8	193.2	195.7
1997	82.3	80.2	43.5	45.3	115.5	112.4	96.6	100.8	197.8	192.6
1998	89.5	81.5	45.0	47.1	122.3	107.6	102.0	107.9	211.8	189.1
1999	88.0	89.3	43.8	43.4	116.8	122.3	105.4	104.4	204.8	211.6
2000	94.0	93.2	45.3	43.9	84.9	84.1	116.7	113.0	178.9	177.3
2001	96.4	90.0	42.9	45.0	120.2	112.4	109.3	114.7	216.6	202.4
2002	91.0	89.6	41.8	44.3	123.0	119.2	101.0	102.6	213.9	208.8
2003	87.2	88.2	47.3	45.1	117.4	118.8	97.0	112.2	204.6	207.0
2004	87.3	84.7	46.3	45.4	127.6	116.0	114.5	112.4	215.0	200.7
2005	87.3	82.1	52.0	48.6	117.2	115.9	106.7	99.8	204.5	198.0
2006	89.1	83.9	42.1	46.2	122.1	115.0	107.8	109.4	211.1	198.9

0.1%	5.9%	4.0%	3.4%	1.7%	4.5%	2.4%	5.0%	3.9%	5.1%	3.1%
0.1%	2.4%	3.8%	0.7%	1.2%	-4.7%	-4.2%	0.3%	0.7%	-1.3%	-0.5%
0.0%	-1.5%	-2.5%	2.8%	2.1%	6.7%	6.6%	-1.8%	-2.5%	2.7%	2.2%
0.0%	2.0%	2.2%	-18.9%	-5.0%	4.2%	-0.8%	1.1%	9.6%	3.2%	0.4%
0.1%	2.0%	1.6%	0.7%	1.2%	2.0%	1.3%	0.9%	1.1%	2.0%	1.4%

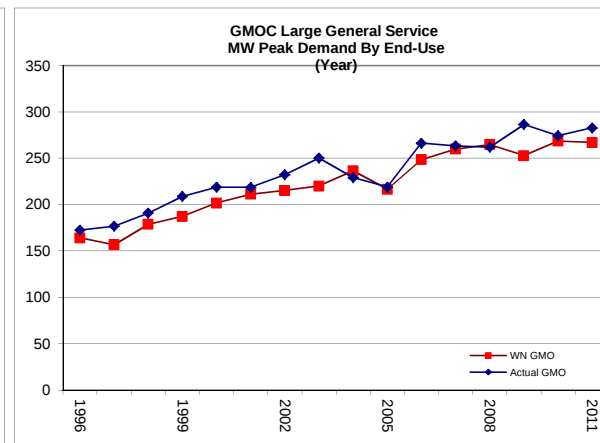
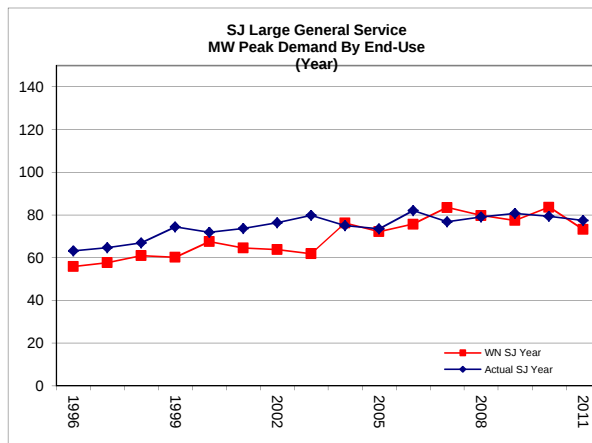
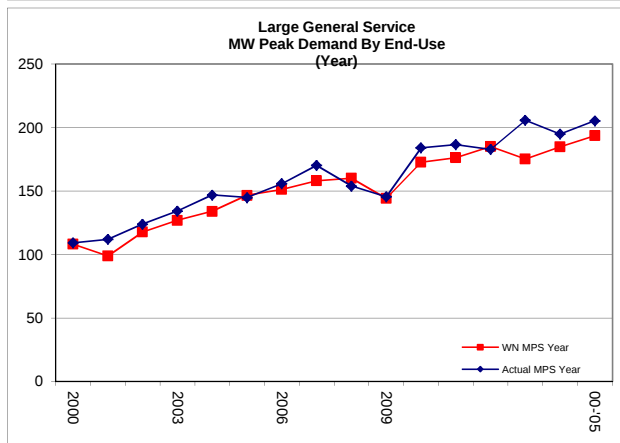
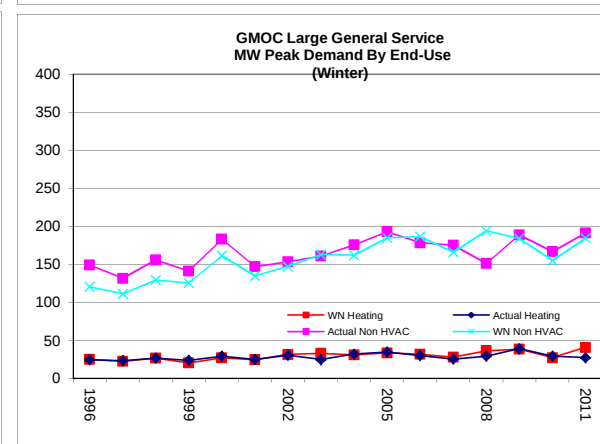
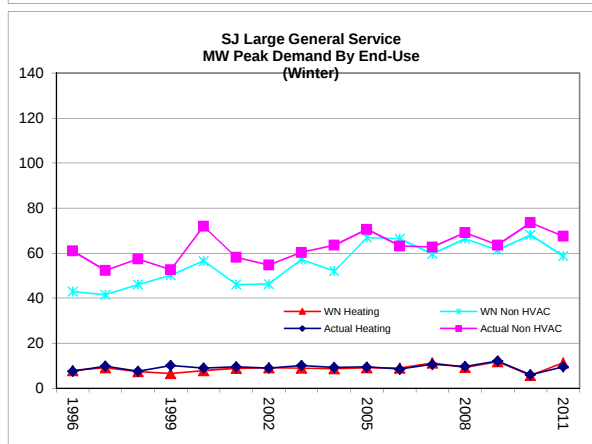
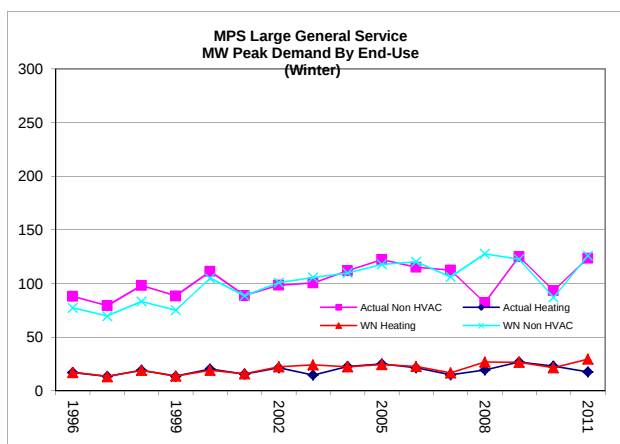
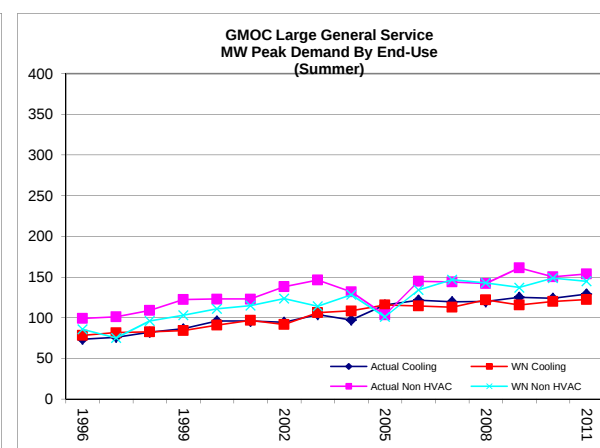
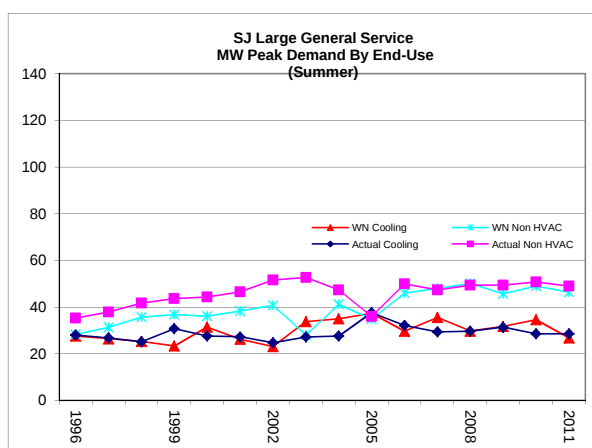
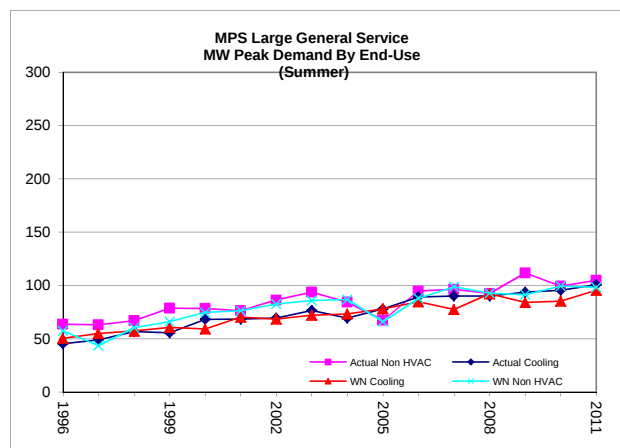


Plot 3A-29 MPS & SJ Large General Service MW Peak Demand By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	45.57	50.66	17.20	17.27	63.68	57.52	87.98	77.41	109.2	108.2	28.04	27.66	7.49	7.84	35.22	28.25	61.00	42.93	63.3	55.9
1997	49.05	55.12	13.45	13.39	63.02	43.77	79.35	69.72	112.1	98.9	26.76	26.44	9.77	9.00	37.90	31.27	52.33	41.47	64.7	57.7
1998	56.94	57.30	19.08	19.19	67.01	60.45	98.34	83.33	124.0	117.7	25.18	25.30	7.49	7.35	41.74	35.66	57.43	46.08	66.9	61.0
1999	55.54	60.86	13.68	13.85	78.79	66.13	88.52	75.25	134.3	127.0	30.74	23.41	10.10	6.54	43.68	36.81	52.60	50.17	74.4	60.2
2000	68.35	59.37	20.39	19.25	78.58	74.68	111.42	104.92	146.9	134.1	27.66	31.43	8.95	7.79	44.30	36.16	71.89	56.48	72.0	67.6
2001	68.48	70.28	15.62	15.81	76.41	76.36	88.81	88.75	144.9	146.6	27.26	26.26	9.49	8.72	46.47	38.31	58.15	46.08	73.7	64.6
2002	69.49	68.67	21.65	22.45	86.39	82.61	98.55	100.99	155.9	151.3	24.77	23.05	8.88	9.06	51.57	40.80	54.68	46.24	76.3	63.8
2003	76.57	72.20	14.72	24.18	93.71	85.97	100.49	105.74	170.3	158.2	27.21	33.83	10.04	8.89	52.66	28.00	60.31	57.06	79.9	61.8
2004	69.52	73.32	22.71	22.45	84.46	86.84	111.98	109.90	154.0	160.2	27.63	34.99	9.23	8.58	47.39	41.24	63.57	52.05	75.0	76.2
2005	77.99	78.25	25.26	24.49	67.44	66.05	122.42	117.82	145.4	144.3	37.61	37.29	9.41	9.11	35.91	34.93	70.55	66.98	73.5	72.2
2006	89.27	84.63	21.70	22.76	94.81	88.03	115.23	120.19	184.1	172.7	32.12	29.70	8.43	8.88	50.02	46.04	63.15	66.31	82.1	75.7
2007	90.10	77.47	15.02	16.76	96.46	98.80	112.65	106.38	186.6	176.3	29.44	35.50	10.54	11.19	47.37	48.00	62.62	59.70	76.8	83.5
2008	90.08	92.16	19.47	27.01	92.65	92.89	82.00	127.62	182.7	185.0	29.67	29.73	9.66	9.20	49.45	50.03	69.10	66.36	79.1	79.8
2009	93.85	84.03	27.04	26.58	111.81	91.29	124.96	122.78	205.7	175.3	31.38	31.70	12.02	11.75	49.39	45.76	63.59	61.41	80.8	77.5
2010	95.49	85.28	23.19	21.68	99.49	99.54	93.38	87.09	195.0	184.8	28.56	34.63	5.97	5.66	50.79	49.04	73.49	68.07	79.3	83.7
2011	100.56	95.55	17.74	29.53	104.78	98.17	123.73	125.95	205.3	193.7	28.51	26.76	9.54	11.26	48.94	46.44	67.50	58.63	77.4	73.2
96-'00	10.7%	4.0%	4.3%	2.8%	5.4%	6.7%	6.1%	7.9%	7.7%	5.5%	-0.3%	3.2%	4.5%	-0.2%	5.9%	6.4%	4.2%	7.1%	3.3%	4.9%
00-'05	2.7%	5.7%	4.4%	4.9%	-3.0%	-2.4%	1.9%	2.3%	-0.2%	1.5%	6.3%	3.5%	1.0%	3.2%	-4.1%	-0.7%	-0.4%	3.5%	0.4%	1.3%
05-'10	4.1%	1.7%	-1.7%	-2.4%	8.1%	8.5%	-5.3%	-5.9%	6.0%	5.1%	-5.4%	-1.5%	-8.7%	-9.1%	7.2%	7.0%	0.8%	0.3%	1.5%	3.0%
10-'11	5.3%	12.0%	-23.5%	36.2%	5.3%	-1.4%	32.5%	44.6%	5.3%	4.8%	-0.2%	-22.7%	59.8%	99.1%	-3.6%	-5.3%	-8.2%	-13.9%	-2.4%	-12.5%
96-'11	5.4%	4.3%	0.2%	3.6%	3.4%	3.6%	2.3%	3.3%	4.3%	4.0%	0.1%	-0.2%	1.6%	2.4%	2.2%	3.4%	0.7%	2.1%	1.4%	1.8%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	73.6	78.3	24.7	25.1	98.9	85.8	149.0	120.3	172.5	164.1
1992	75.8	81.6	23.2	22.4	100.9	75.0	131.7	111.2	176.7	156.6
1993	82.1	82.6	26.6	26.5	108.8	96.1	155.8	129.4	190.9	178.7
1994	86.3	84.3	23.8	20.4	122.5	102.9	141.1	125.4	208.7	187.2
1995	96.0	90.8	29.3	27.0	122.9	110.8	183.3	161.4	218.9	201.6
1996	95.7	96.5	25.1	24.5	122.9	114.7	147.0	134.8	218.6	211.2
1997	94.3	91.7	30.5	31.5	138.0	123.4	153.2	147.2	232.2	215.1
1998	103.8	106.0	24.8	33.1	146.4	114.0	160.8	162.8	250.1	220.0
1999	97.2	108.3	31.9	31.0	131.8	128.1	175.5	162.0	229.0	236.4
2000	115.6	115.5	34.7	33.6	103.4	101.0	193.0	184.8	219.0	216.5
2001	121.4	114.3	30.1	31.6	144.8	134.1	178.4	186.5	266.2	248.4
2002	119.5	113.0	25.6	27.9	143.8	146.8	175.3	166.1	263.4	259.8
2003	119.7	121.9	29.1	36.2	142.1	142.9	151.1	194.0	261.9	264.8
2004	125.2	115.7	39.1	38.3	161.2	137.1	188.5	184.2	286.4	252.8
2005	124.0	119.9	29.2	27.3	150.3	148.6	166.9	155.2	274.3	268.5
2006	129.1	122.3	27.3	40.8	153.7	144.6	191.2	184.6	282.8	266.9

0.1%	6.9%	3.8%	4.4%	1.9%	5.6%	6.6%	5.3%	7.6%	6.1%	5.3%
0.1%	3.8%	4.9%	3.4%	4.4%	-3.4%	-1.8%	1.0%	2.7%	0.0%	1.4%
0.0%	1.4%	0.7%	-3.4%	-4.0%	7.8%	8.0%	-2.9%	-3.4%	4.6%	4.4%
0.0%	4.0%	2.0%	-6.4%	49.2%	2.3%	-2.7%	14.6%	19.0%	3.1%	-0.6%
0.1%	3.8%	3.0%	0.7%	3.3%	3.0%	3.5%	1.7%	2.9%	3.4%	3.3%

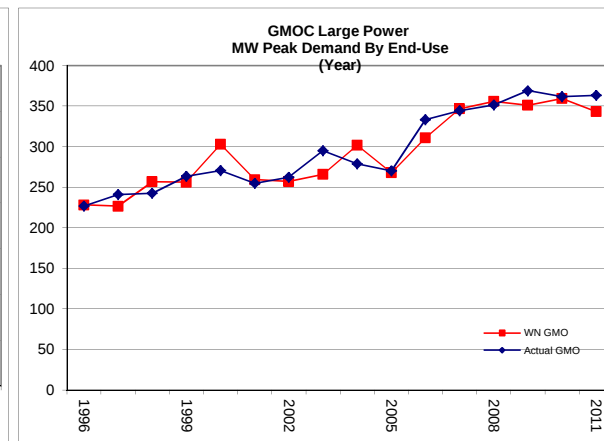
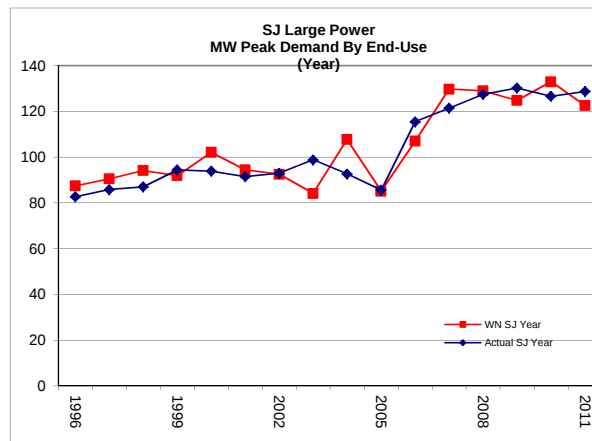
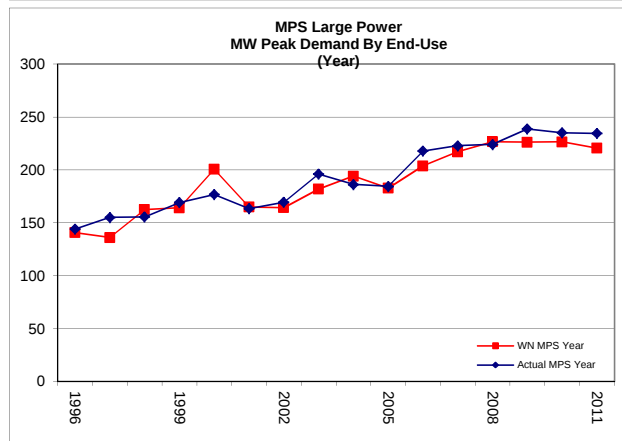
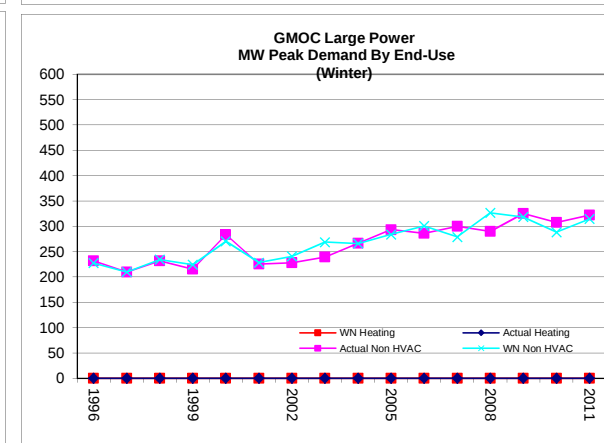
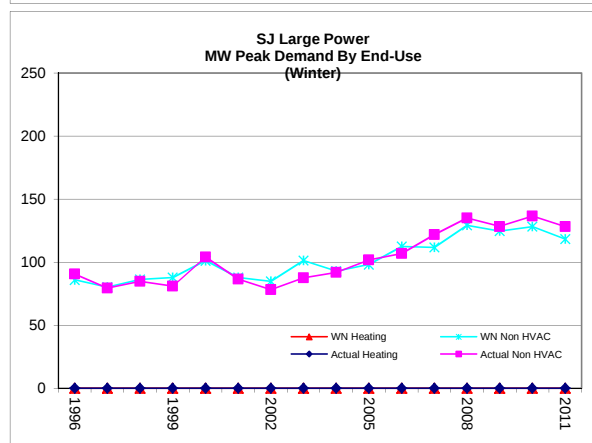
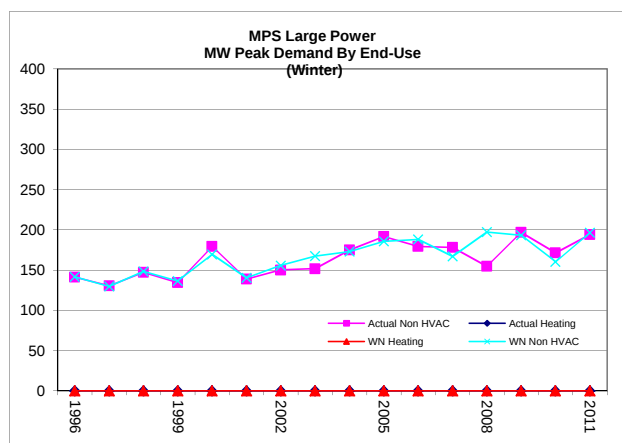
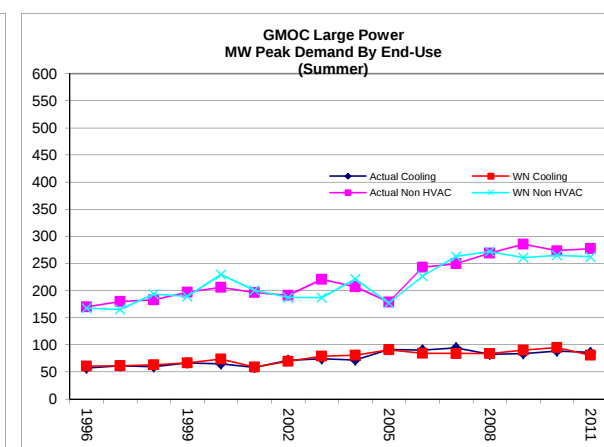
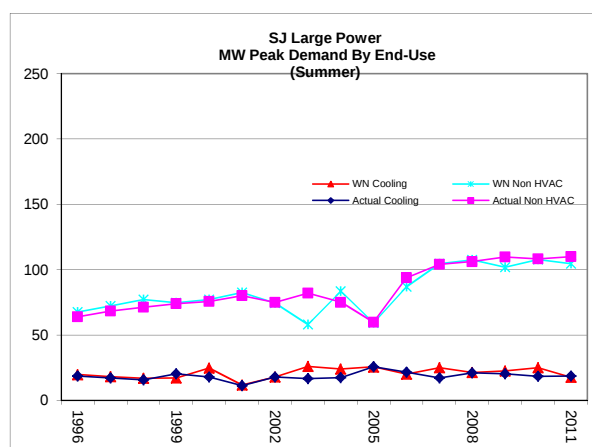
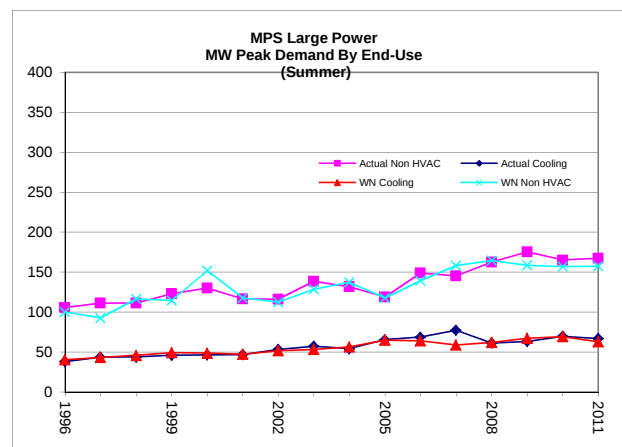


Plot 3A-30 MPS & SJ Large Power MW Peak Demand By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	38.16	40.73	-	-	105.85	100.06	141.14	141.75	144.0	140.8	18.73	19.80	-	-	63.93	67.58	90.61	85.85	82.7	87.4
1997	43.88	43.27	-	-	111.27	92.79	130.44	129.89	155.1	136.1	17.28	18.23	-	-	68.49	72.23	79.39	80.15	85.8	90.5
1998	43.99	45.97	-	-	111.48	116.52	147.39	148.29	155.5	162.5	15.72	17.00	-	-	71.29	77.14	84.77	86.31	87.0	94.1
1999	46.09	49.49	-	-	123.04	114.72	134.69	136.36	169.1	164.2	20.33	17.15	-	-	74.02	74.74	80.86	87.78	94.3	91.9
2000	46.56	48.77	-	-	130.15	151.93	179.40	169.42	176.7	200.7	18.03	24.79	-	-	75.80	77.30	104.11	101.10	93.8	102.1
2001	46.85	47.29	-	-	116.57	117.68	138.83	140.57	163.4	165.0	11.37	11.73	-	-	80.07	82.61	86.55	87.83	91.4	94.3
2002	53.29	51.70	-	-	116.16	112.70	150.24	155.78	169.4	164.4	18.01	17.93	-	-	74.91	74.58	78.09	84.82	92.9	92.5
2003	57.43	53.24	-	-	138.66	128.55	151.79	167.61	196.1	181.8	16.75	25.94	-	-	82.02	58.18	87.51	101.22	98.8	84.1
2004	54.37	56.66	-	-	131.91	137.46	174.94	172.93	186.3	194.1	17.52	24.14	-	-	75.12	83.52	91.84	92.82	92.6	107.7
2005	65.59	64.97	-	-	118.85	117.73	191.73	185.89	184.4	182.7	25.83	25.68	-	-	59.77	59.41	101.77	98.07	85.6	85.1
2006	68.77	64.35	-	-	149.06	139.48	179.54	188.31	217.8	203.8	21.66	20.08	-	-	93.76	86.91	106.77	112.37	115.4	107.0
2007	77.30	58.86	-	-	145.58	158.26	178.27	167.23	222.9	217.1	17.17	25.15	-	-	104.21	104.55	121.79	111.66	121.4	129.7
2008	61.35	62.05	-	-	162.74	164.59	154.77	197.37	224.1	226.6	21.18	21.44	-	-	106.22	107.53	135.02	129.27	127.4	129.0
2009	63.29	67.57	-	-	175.46	158.61	196.86	193.52	238.7	226.2	20.31	22.72	-	-	109.87	102.05	128.26	124.60	130.2	124.8
2010	69.97	69.52	-	-	165.20	156.95	171.38	160.25	235.2	226.5	18.36	25.14	-	-	108.24	107.78	136.45	128.17	126.6	132.9
2011	67.04	63.06	-	-	167.52	157.56	194.03	196.55	234.6	220.6	18.72	17.82	-	-	109.98	104.69	128.05	118.20	128.7	122.5
96-'00	5.1%	4.6%	#DIV/0!	#DIV/0!	5.3%	11.0%	6.2%	4.6%	5.2%	9.3%	-0.9%	5.8%	#DIV/0!	#DIV/0!	4.3%	3.4%	3.5%	4.2%	3.2%	4.0%
00-'05	7.1%	5.9%	#DIV/0!	#DIV/0!	-1.8%	-5.0%	1.3%	1.9%	0.9%	-1.9%	7.5%	0.7%	#DIV/0!	#DIV/0!	-4.6%	-5.1%	-0.5%	-0.6%	-1.8%	-3.6%
05-'10	1.3%	1.4%	#DIV/0!	#DIV/0!	6.8%	5.9%	-2.2%	-2.9%	5.0%	4.4%	-6.6%	-0.4%	#DIV/0!	#DIV/0!	12.6%	12.7%	6.0%	5.5%	8.1%	9.3%
10-'11	-4.2%	-9.3%	#DIV/0!	#DIV/0!	1.4%	0.4%	13.2%	22.6%	-0.3%	-2.6%	1.9%	-29.1%	#DIV/0!	#DIV/0!	1.6%	-2.9%	-6.2%	-7.8%	1.7%	-7.8%
96-'11	3.8%	3.0%	#DIV/0!	#DIV/0!	3.1%	3.1%	2.1%	2.2%	3.3%	3.0%	0.0%	-0.7%	#DIV/0!	#DIV/0!	3.7%	3.0%	2.3%	2.2%	3.0%	2.3%

Year	GMO									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	56.9	60.5	-	-	169.8	167.6	231.8	227.6	226.7	228.2
1992	61.2	61.5	-	-	179.8	165.0	209.8	210.0	240.9	226.5
1993	59.7	63.0	-	-	182.8	193.7	232.2	234.6	242.5	256.6
1994	66.4	66.6	-	-	197.1	189.5	215.5	224.1	263.5	256.1
1995	64.6	73.6	-	-	205.9	229.2	283.5	270.5	270.5	302.8
1996	58.2	59.0	-	-	196.6	200.3	225.4	228.4	254.9	259.3
1997	71.3	69.6	-	-	191.1	187.3	228.3	240.6	262.4	256.9
1998	74.2	79.2	-	-	220.7	186.7	239.3	268.8	294.9	265.9
1999	71.9	80.8	-	-	207.0	221.0	266.8	265.8	278.9	301.8
2000	91.4	90.6	-	-	178.6	177.1	293.5	284.0	270.0	267.8
2001	90.4	84.4	-	-	242.8	226.4	286.3	300.7	333.3	310.8
2002	94.5	84.0	-	-	249.8	262.8	300.1	278.9	344.3	346.8
2003	82.5	83.5	-	-	269.0	272.1	289.8	326.6	351.5	355.6
2004	83.6	90.3	-	-	285.3	260.7	325.1	318.1	368.9	350.9
2005	88.3	94.7	-	-	273.4	264.7	307.8	288.4	361.8	359.4
2006	85.8	80.9	-	-	277.5	262.3	322.1	314.8	363.3	343.1

0.1%	3.2%	5.0%	#DIV/0!	#DIV/0!	4.9%	8.1%	5.2%	4.4%	4.5%	7.3%
0.1%	7.2%	4.3%	#DIV/0!	#DIV/0!	-2.8%	-5.0%	0.7%	1.0%	0.0%	-2.4%
0.0%	-0.7%	0.9%	#DIV/0!	#DIV/0!	8.9%	8.4%	1.0%	0.3%	6.0%	6.1%
0.0%	-2.9%	-14.6%	#DIV/0!	#DIV/0!	1.5%	-0.9%	4.6%	9.1%	0.4%	-4.5%
0.1%	2.8%	2.0%	#DIV/0!	#DIV/0!	3.3%	3.0%	2.2%	2.2%	3.2%	2.8%



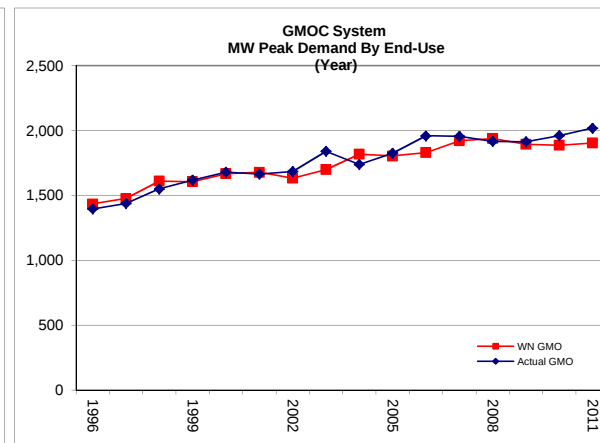
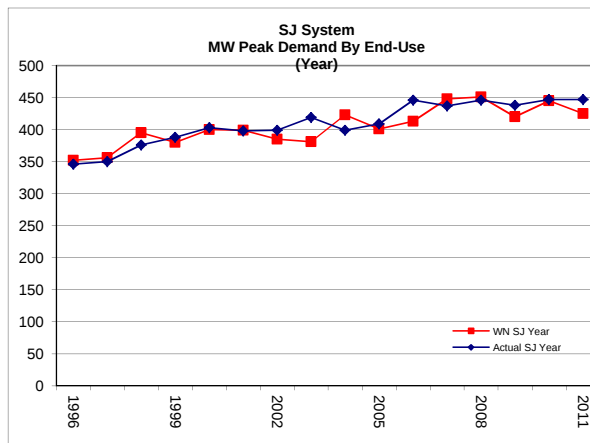
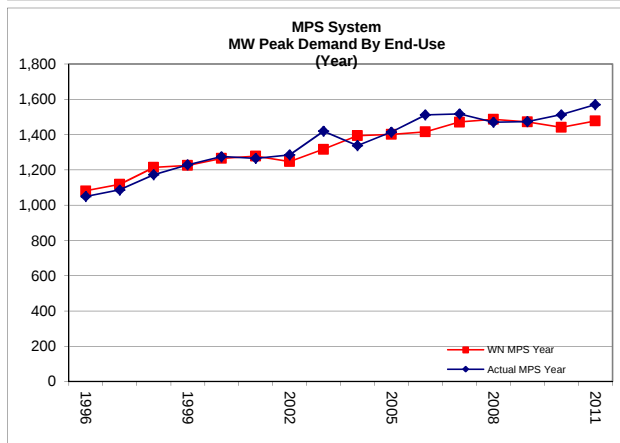
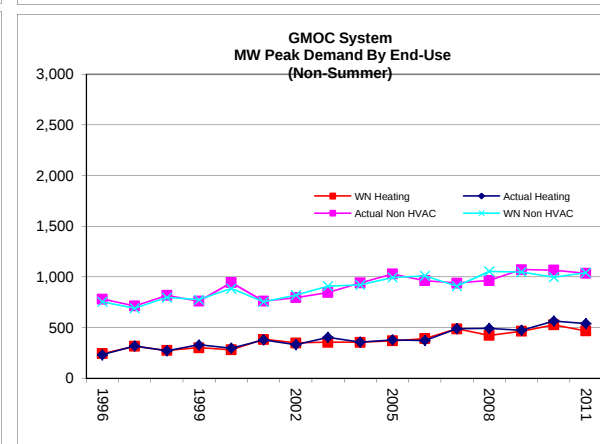
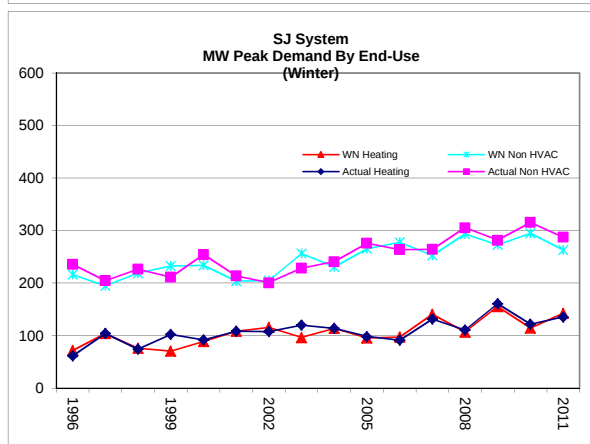
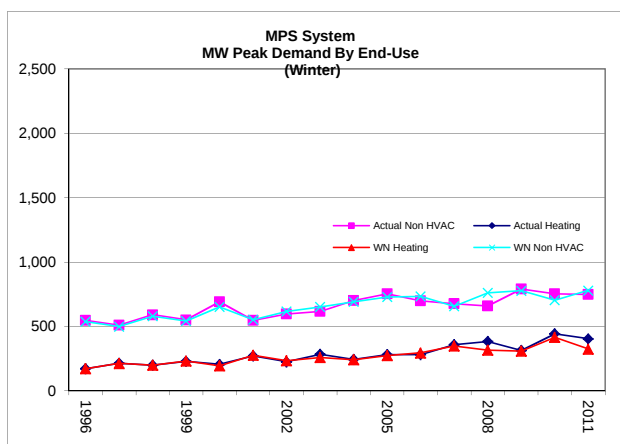
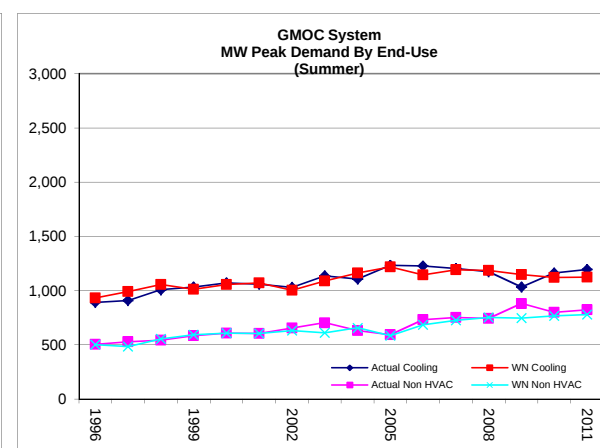
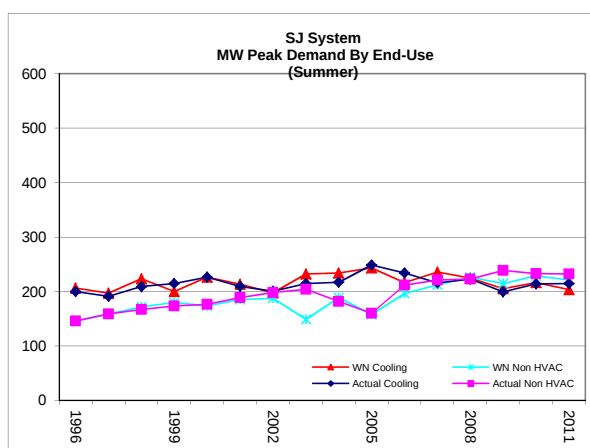
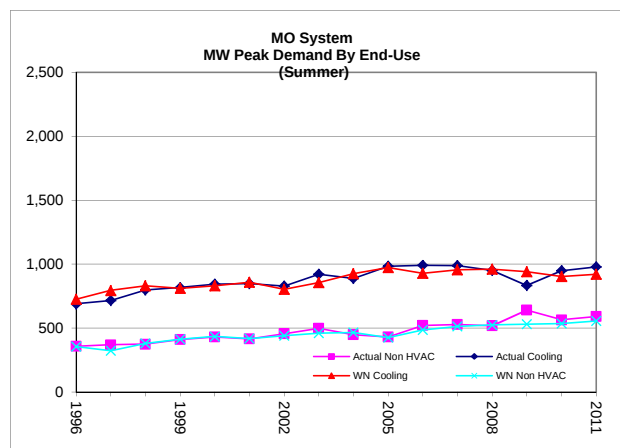
Plot 3A-31 MPS & SJ MW Peak Demand By End-Use
For classes that have end-use sales

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	689.9	725.2	172.0	172.8	359.0	356.2	546.6	538.0	1,048.9	1,081.4	200.2	206.5	61.4	71.6	145.8	145.5	235.6	216.3	346.0	352.0
1997	716.7	795.0	214.5	213.6	369.8	324.1	510.5	499.1	1,086.5	1,119.1	191.4	197.0	104.3	104.0	158.6	159.0	204.4	194.6	350.0	356.0
1998	798.1	831.9	199.5	200.7	375.0	382.3	591.2	579.2	1,173.1	1,214.2	209.1	223.5	74.4	76.1	166.9	171.6	226.6	218.9	376.0	395.0
1999	817.5	811.8	229.2	232.0	411.5	413.2	551.1	543.6	1,228.9	1,224.9	214.5	200.2	102.1	70.4	173.5	179.8	211.5	232.6	388.0	380.0
2000	843.7	830.9	205.9	194.4	431.8	434.9	691.1	652.4	1,275.5	1,265.7	226.3	226.3	91.8	89.0	176.7	173.7	254.2	234.0	403.0	400.0
2001	849.3	858.5	272.8	276.2	416.4	419.6	547.4	553.1	1,265.7	1,278.1	209.3	213.5	108.4	108.4	188.7	185.5	213.8	203.7	398.0	399.0
2002	828.1	804.6	226.0	234.3	456.9	442.1	597.3	618.1	1,285.0	1,246.7	200.6	197.5	107.4	115.4	198.4	187.5	200.6	204.3	399.0	385.0
2003	921.1	855.1	284.1	259.6	499.2	461.9	617.5	652.7	1,420.3	1,317.0	214.9	232.2	119.9	96.4	204.1	148.8	228.5	256.6	419.0	381.0
2004	888.7	927.1	245.4	242.6	449.3	467.1	701.4	692.5	1,338.1	1,394.1	217.0	233.9	113.6	113.6	182.0	189.1	240.9	230.8	399.0	423.0
2005	983.0	974.7	282.3	273.7	432.0	427.2	753.2	729.4	1,415.1	1,402.0	248.8	243.4	98.3	95.6	160.2	157.6	275.7	265.4	409.0	401.0
2006	991.7	929.0	281.6	295.4	520.5	486.4	700.2	733.7	1,512.2	1,415.4	234.3	216.6	91.5	97.1	211.7	196.4	263.5	277.9	446.0	413.0
2007	988.0	957.0	358.9	348.2	529.6	514.4	676.0	657.9	1,517.6	1,471.3	215.9	235.8	131.4	140.6	221.1	212.2	264.4	252.8	437.0	448.0
2008	950.2	962.1	383.1	316.9	519.8	524.8	660.2	761.6	1,470.0	1,486.9	222.8	224.6	110.6	106.8	223.2	226.4	305.4	293.3	446.0	451.0
2009	832.8	940.8	314.2	308.8	641.8	531.2	790.8	777.4	1,474.6	1,472.1	199.4	205.5	160.5	155.4	238.6	214.5	281.7	272.8	438.0	420.0
2010	948.3	904.4	443.9	415.0	564.9	536.9	753.8	704.7	1,513.3	1,441.2	214.0	216.4	121.5	114.3	233.0	228.6	315.4	294.8	447.0	445.0
2011	978.7	921.4	404.8	325.0	591.7	556.2	748.9	779.9	1,570.4	1,477.6	214.9	203.6	135.4	142.3	232.1	221.4	287.4	263.1	447.0	425.0

96-'00	5.2%	3.5%	4.6%	3.0%	4.7%	5.1%	6.0%	4.9%	5.0%	4.0%	3.1%	2.3%	10.6%	5.6%	4.9%	4.5%	1.9%	2.0%	3.9%	3.2%
00-'05	3.1%	3.2%	6.5%	7.1%	0.0%	-0.4%	1.7%	2.3%	2.1%	2.1%	1.9%	1.5%	1.4%	1.4%	-1.9%	-1.9%	1.6%	2.5%	0.3%	0.1%
05-'10	-0.7%	-1.5%	9.5%	8.7%	5.5%	4.7%	0.0%	-0.7%	1.4%	0.6%	-3.0%	-2.3%	4.3%	3.6%	7.8%	7.7%	2.7%	2.1%	1.8%	2.1%
10-'11	3.2%	1.9%	-8.8%	-21.7%	4.7%	3.6%	-0.7%	10.7%	3.8%	2.5%	0.4%	-5.9%	11.5%	24.5%	-0.4%	-3.2%	-8.9%	-10.7%	0.0%	-4.5%
96-'11	2.4%	1.6%	5.9%	4.3%	3.4%	3.0%	2.1%	2.5%	2.7%	2.1%	0.5%	-0.1%	5.4%	4.7%	3.1%	2.8%	1.3%	1.3%	1.7%	1.3%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	890.2	931.7	233.4	244.4	504.7	501.7	782.3	754.4	1,394.9	1,433.4
1992	908.1	992.0	318.8	317.7	528.5	483.1	714.9	693.7	1,436.5	1,475.1
1993	1,007.2	1,055.4	273.9	276.8	541.9	553.8	817.9	798.1	1,549.1	1,609.2
1994	1,031.9	1,012.0	331.3	302.5	585.0	593.0	762.6	776.2	1,616.9	1,604.9
1995	1,070.0	1,057.2	297.7	283.4	608.5	608.5	945.4	886.4	1,678.5	1,665.7
1996	1,058.7	1,072.0	381.1	384.6	605.1	605.1	761.2	756.8	1,663.7	1,677.1
1997	1,028.7	1,002.1	333.4	349.8	655.3	629.6	797.9	822.5	1,684.0	1,631.7
1998	1,136.0	1,087.3	404.1	356.1	703.3	610.7	845.9	909.3	1,839.3	1,698.0
1999	1,105.8	1,161.0	359.0	356.2	631.3	656.1	942.2	923.3	1,737.1	1,817.1
2000	1,231.8	1,218.2	380.6	369.3	592.3	584.8	1,028.9	994.8	1,824.1	1,803.0
2001	1,226.0	1,145.6	373.1	392.4	732.2	682.8	963.7	1,011.6	1,958.2	1,828.4
2002	1,203.9	1,192.7	490.3	488.8	750.7	726.6	940.4	910.7	1,954.6	1,919.3
2003	1,173.1	1,186.6	493.7	423.7	742.9	751.3	965.6	1,054.9	1,916.0	1,937.9
2004	1,032.2	1,146.4	474.7	464.2	880.4	745.7	1,072.5	1,050.2	1,912.6	1,892.1
2005	1,162.3	1,120.7	565.3	529.3	797.9	765.5	1,069.2	999.4	1,960.3	1,886.2
2006	1,193.6	1,125.1	540.2	467.3	823.8	777.5	1,036.3	1,043.0	2,017.4	1,902.6

0.1%	4.7%	3.2%	6.3%	3.8%	4.8%	4.9%	4.8%	4.1%	4.7%	3.8%
0.1%	2.9%	2.9%	5.0%	5.4%	-0.5%	-0.8%	1.7%	2.3%	1.7%	1.6%
0.0%	-1.2%	-1.7%	8.2%	7.5%	6.1%	5.5%	0.8%	0.1%	1.5%	0.9%
0.0%	2.7%	0.4%	-4.4%	-11.7%	3.2%	1.6%	-3.1%	4.4%	2.9%	0.9%
0.1%	2.0%	1.3%	5.8%	4.4%	3.3%	3.0%	1.9%	2.2%	2.5%	1.9%

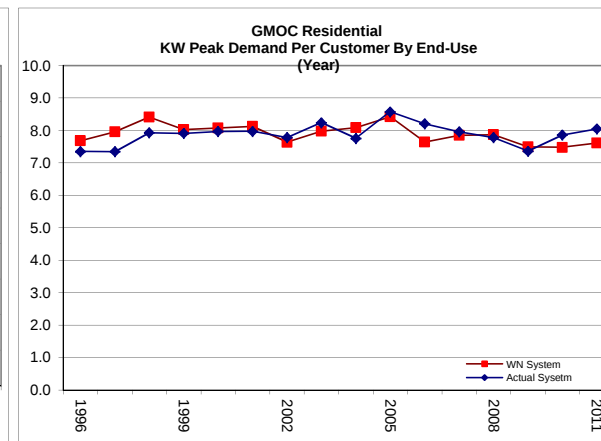
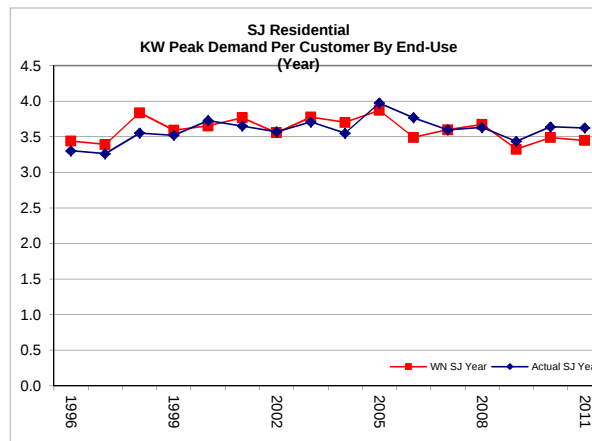
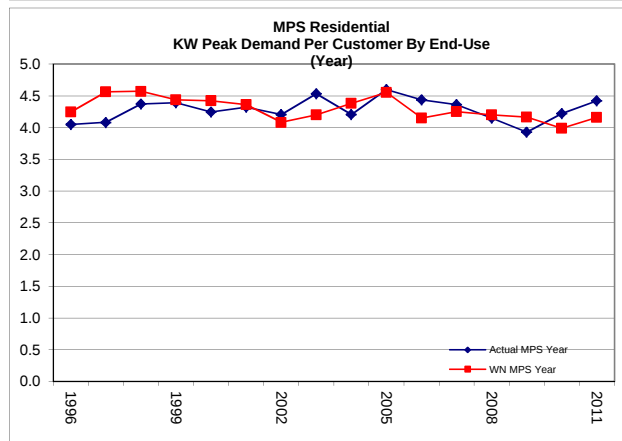
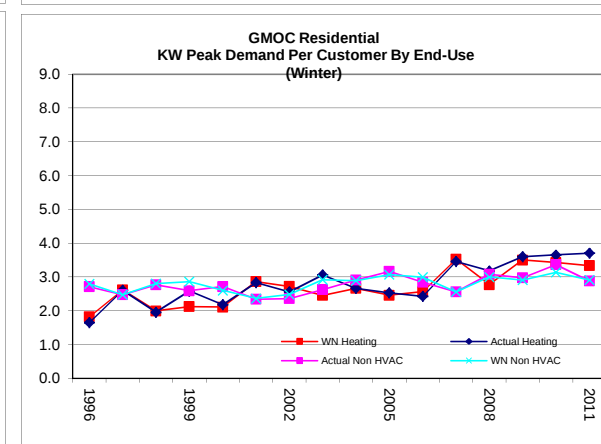
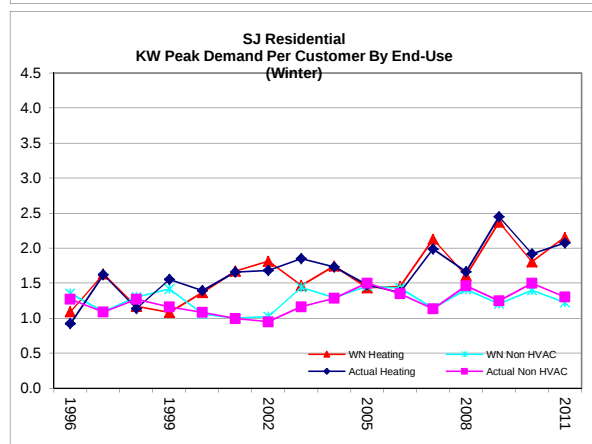
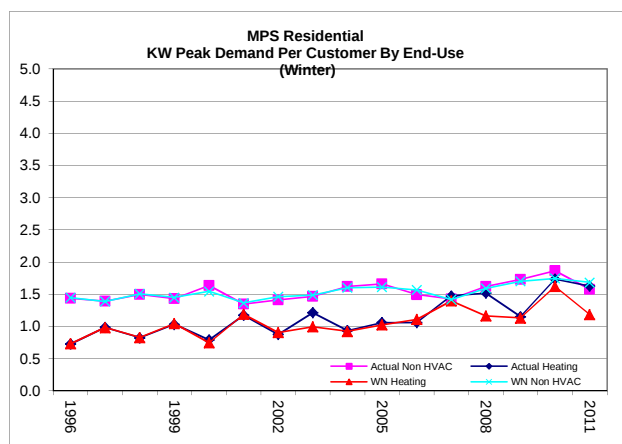
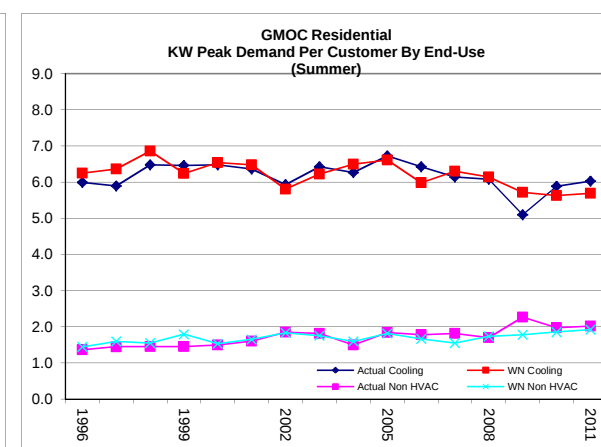
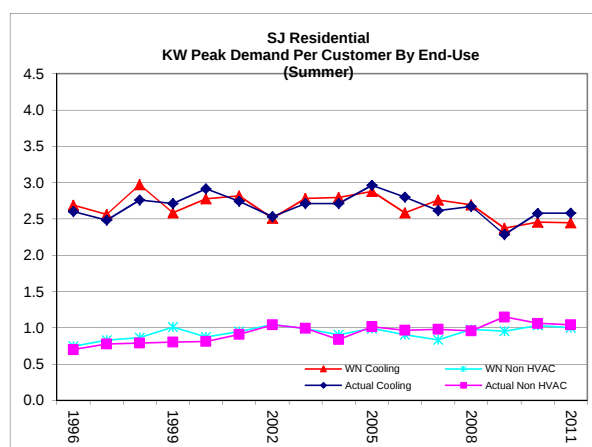
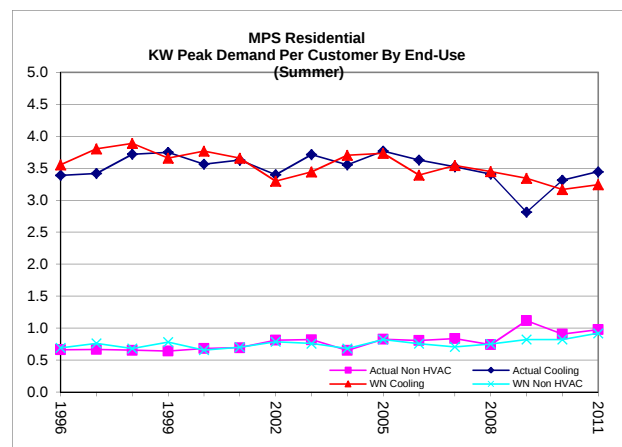


Plot 3A-32 MPS & SJ Residential KW Peak Demand Per Customer By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	3.39	3.55	0.73	0.73	0.66	0.69	1.44	1.45	4.0	4.2	2.60	2.69	0.92	1.09	0.70	0.75	1.27	1.35	3.3	3.4
1997	3.42	3.80	0.99	0.98	0.67	0.76	1.39	1.39	4.1	4.6	2.48	2.56	1.62	1.63	0.78	0.83	1.09	1.09	3.3	3.4
1998	3.72	3.89	0.82	0.83	0.65	0.68	1.50	1.51	4.4	4.6	2.76	2.97	1.13	1.17	0.79	0.87	1.27	1.30	3.6	3.8
1999	3.75	3.66	1.03	1.05	0.64	0.78	1.43	1.45	4.4	4.4	2.71	2.58	1.55	1.08	0.81	1.01	1.16	1.42	3.5	3.6
2000	3.56	3.77	0.79	0.75	0.68	0.66	1.64	1.54	4.2	4.4	2.91	2.78	1.39	1.36	0.81	0.87	1.08	1.06	3.7	3.7
2001	3.63	3.66	1.18	1.19	0.69	0.70	1.35	1.37	4.3	4.4	2.74	2.82	1.66	1.67	0.91	0.95	0.99	1.00	3.7	3.8
2002	3.40	3.30	0.88	0.91	0.81	0.79	1.41	1.46	4.2	4.1	2.53	2.51	1.68	1.81	1.04	1.05	0.95	1.02	3.6	3.6
2003	3.71	3.44	1.21	1.00	0.82	0.76	1.47	1.49	4.5	4.2	2.71	2.78	1.85	1.46	0.99	0.99	1.16	1.44	3.7	3.8
2004	3.55	3.70	0.93	0.92	0.65	0.68	1.62	1.60	4.2	4.4	2.71	2.79	1.73	1.74	0.84	0.91	1.28	1.29	3.5	3.7
2005	3.77	3.73	1.06	1.03	0.83	0.82	1.66	1.61	4.6	4.6	2.96	2.88	1.47	1.43	1.01	0.99	1.50	1.46	4.0	3.9
2006	3.63	3.39	1.06	1.11	0.81	0.76	1.50	1.57	4.4	4.2	2.80	2.58	1.37	1.45	0.97	0.91	1.35	1.43	3.8	3.5
2007	3.52	3.54	1.48	1.40	0.84	0.71	1.43	1.42	4.4	4.2	2.62	2.76	1.99	2.13	0.98	0.84	1.13	1.14	3.6	3.6
2008	3.41	3.45	1.52	1.17	0.74	0.75	1.62	1.59	4.2	4.2	2.67	2.69	1.66	1.61	0.96	0.98	1.46	1.41	3.6	3.7
2009	2.81	3.34	1.15	1.13	1.12	0.82	1.73	1.70	3.9	4.2	2.28	2.37	2.45	2.37	1.15	0.95	1.25	1.20	3.4	3.3
2010	3.31	3.17	1.74	1.62	0.91	0.82	1.87	1.74	4.2	4.0	2.58	2.46	1.92	1.80	1.06	1.03	1.50	1.40	3.6	3.5
2011	3.45	3.24	1.63	1.19	0.98	0.92	1.58	1.68	4.4	4.2	2.58	2.45	2.08	2.15	1.04	1.00	1.30	1.22	3.6	3.4
96-'00	1.3%	1.5%	2.0%	0.5%	0.7%	-1.2%	3.2%	1.7%	1.2%	1.0%	2.9%	0.8%	10.8%	5.7%	3.8%	4.0%	-3.9%	-5.9%	3.1%	1.5%
00-'05	1.1%	-0.2%	6.0%	6.6%	4.0%	4.5%	0.3%	0.9%	1.6%	0.6%	0.3%	0.7%	1.2%	1.0%	4.5%	2.6%	6.8%	6.6%	1.3%	1.2%
05-'10	-2.6%	-3.2%	10.4%	9.6%	1.8%	0.0%	2.3%	1.6%	-1.7%	-2.6%	-2.7%	-3.1%	5.4%	4.7%	0.9%	0.8%	0.0%	-0.8%	-1.8%	-2.1%
10-'11	4.0%	2.2%	-6.2%	-27.0%	7.7%	12.1%	-15.5%	-3.5%	4.8%	4.2%	0.2%	-0.3%	8.2%	19.4%	-1.9%	-3.0%	-13.1%	-12.4%	-0.4%	-1.1%
96-'11	0.1%	-0.6%	5.5%	3.3%	2.7%	1.9%	0.6%	1.0%	0.6%	-0.1%	-0.1%	-0.6%	5.6%	4.6%	2.7%	2.0%	0.2%	-0.7%	0.6%	0.0%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	6.0	6.2	1.7	1.8	1.4	1.4	2.7	2.8	7.3	7.7
1992	5.9	6.4	2.6	2.6	1.4	1.6	2.5	2.5	7.3	8.0
1993	6.5	6.9	2.0	2.0	1.4	1.6	2.8	2.8	7.9	8.4
1994	6.5	6.2	2.6	2.1	1.4	1.8	2.6	2.9	7.9	8.0
1995	6.5	6.5	2.2	2.1	1.5	1.5	2.7	2.6	8.0	8.1
1996	6.4	6.5	2.8	2.9	1.6	1.6	2.3	2.4	8.0	8.1
1997	5.9	5.8	2.6	2.7	1.9	1.8	2.4	2.5	7.8	7.6
1998	6.4	6.2	3.1	2.5	1.8	1.8	2.6	2.9	8.2	8.0
1999	6.3	6.5	2.7	2.7	1.5	1.6	2.9	2.9	7.8	8.1
2000	6.7	6.6	2.5	2.5	1.8	1.8	3.2	3.1	8.6	8.4
2001	6.4	6.0	2.4	2.6	1.8	1.7	2.8	3.0	8.2	7.6
2002	6.1	6.3	3.5	3.5	1.8	1.5	2.6	2.6	8.0	7.8
2003	6.1	6.1	3.2	2.8	1.7	1.7	3.1	3.0	7.8	7.9
2004	5.1	5.7	3.6	3.5	2.3	1.8	3.0	2.9	7.4	7.5
2005	5.9	5.6	3.7	3.4	2.0	1.9	3.4	3.1	7.9	7.5
2006	6.0	5.7	3.7	3.3	2.0	1.9	2.9	2.9	8.0	7.6

	2.0%	1.2%	7.2%	3.7%	2.3%	1.6%	0.1%	-1.8%	2.0%	1.3%
	0.8%	0.2%	3.0%	3.1%	4.3%	3.4%	3.1%	3.4%	1.5%	0.8%
	-2.6%	-3.2%	7.6%	6.8%	1.3%	0.4%	1.2%	0.5%	-1.7%	-2.3%
	2.3%	1.1%	1.3%	-2.6%	2.5%	3.7%	-14.4%	-7.4%	2.4%	1.7%
	0.0%	-0.6%	5.5%	4.1%	2.7%	1.9%	0.4%	0.3%	0.6%	-0.1%

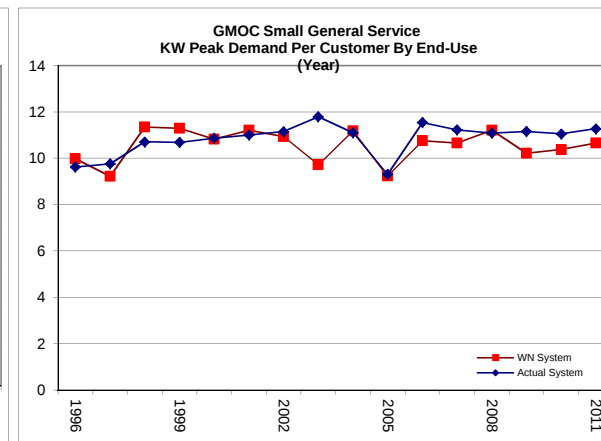
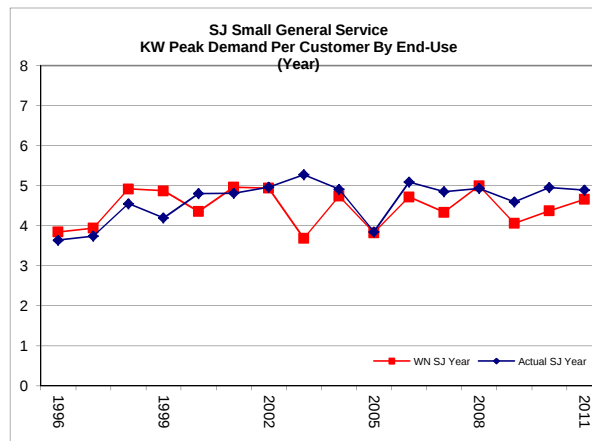
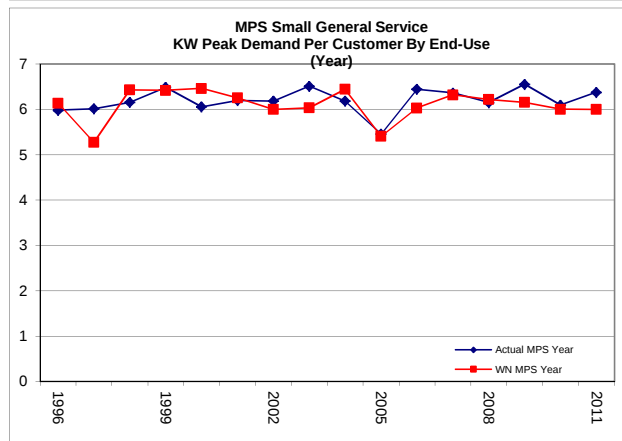
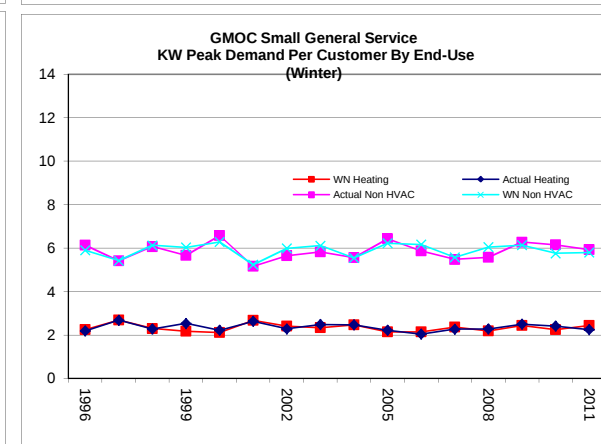
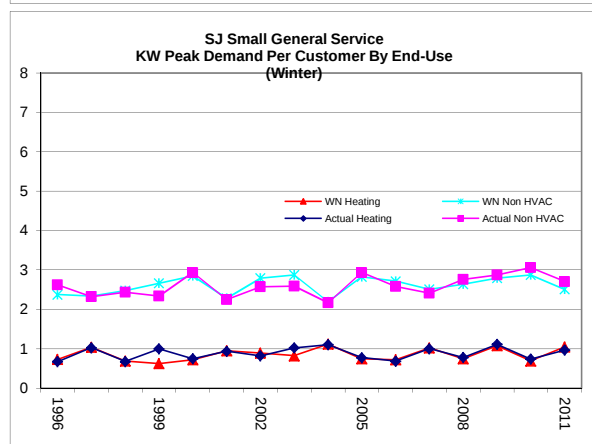
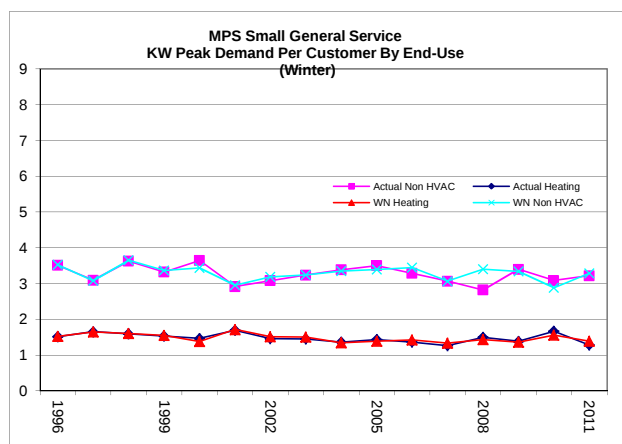
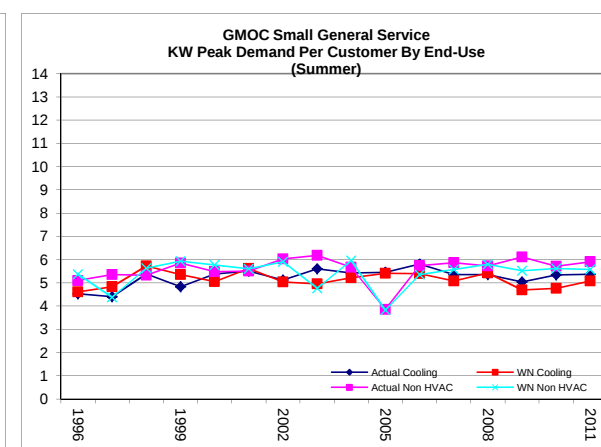
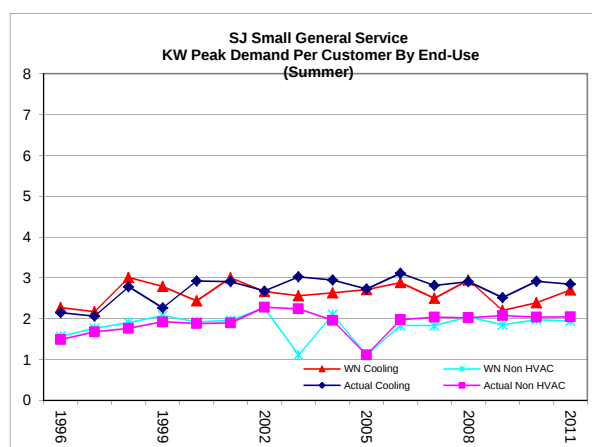
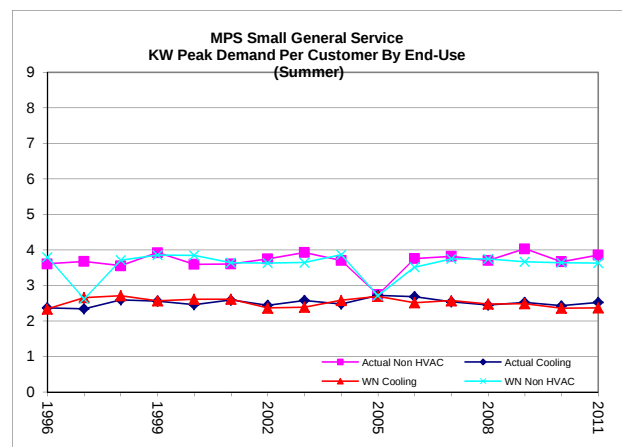


Plot 3A-33 MPS & SJ Small General Service KW Peak Demand Per Customer By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	2.4	2.3	1.5	1.5	3.6	3.8	3.5	3.5	6.0	6.1	2.15	2.27	0.67	0.73	1.49	1.57	2.62	2.37	3.6	3.8
1997	2.3	2.7	1.7	1.6	3.7	2.6	3.1	3.1	6.0	5.3	2.06	2.18	1.03	1.04	1.68	1.76	2.32	2.34	3.7	3.9
1998	2.6	2.7	1.6	1.6	3.6	3.7	3.6	3.7	6.2	6.4	2.78	3.01	0.68	0.69	1.77	1.91	2.44	2.47	4.6	4.9
1999	2.6	2.6	1.5	1.6	3.9	3.9	3.3	3.4	6.5	6.4	2.27	2.79	1.00	0.62	1.93	2.08	2.34	2.67	4.2	4.9
2000	2.5	2.6	1.5	1.4	3.6	3.8	3.6	3.4	6.1	6.5	2.92	2.44	0.74	0.72	1.88	1.92	2.93	2.85	4.8	4.4
2001	2.6	2.6	1.7	1.7	3.6	3.6	2.9	3.0	6.2	6.3	2.91	3.00	0.94	0.95	1.90	1.96	2.25	2.28	4.8	5.0
2002	2.4	2.4	1.5	1.5	3.7	3.6	3.1	3.2	6.2	6.0	2.68	2.67	0.82	0.89	2.28	2.27	2.57	2.79	5.0	4.9
2003	2.6	2.4	1.5	1.5	3.9	3.6	3.2	3.2	6.5	6.0	3.03	2.57	1.02	0.82	2.25	1.12	2.59	2.87	5.3	3.7
2004	2.5	2.6	1.4	1.3	3.7	3.9	3.4	3.3	6.2	6.4	2.95	2.64	1.11	1.12	1.96	2.10	2.17	2.19	4.9	4.7
2005	2.7	2.7	1.4	1.4	2.7	2.7	3.5	3.4	5.5	5.4	2.73	2.71	0.77	0.75	1.12	1.11	2.93	2.83	3.8	3.8
2006	2.7	2.5	1.4	1.4	3.8	3.5	3.3	3.4	6.4	6.0	3.11	2.89	0.68	0.72	1.98	1.83	2.58	2.72	5.1	4.7
2007	2.5	2.6	1.3	1.3	3.8	3.7	3.1	3.1	6.4	6.3	2.81	2.50	1.00	1.02	2.04	1.83	2.41	2.51	4.9	4.3
2008	2.4	2.5	1.5	1.4	3.7	3.7	2.8	3.4	6.2	6.2	2.91	2.95	0.78	0.75	2.02	2.04	2.76	2.64	4.9	5.0
2009	2.5	2.5	1.4	1.4	4.0	3.7	3.4	3.3	6.6	6.2	2.52	2.20	1.11	1.08	2.08	1.85	2.87	2.79	4.6	4.1
2010	2.4	2.4	1.7	1.6	3.7	3.6	3.1	2.9	6.1	6.0	2.91	2.39	0.74	0.69	2.04	1.98	3.06	2.87	5.0	4.4
2011	2.5	2.4	1.3	1.4	3.9	3.6	3.2	3.3	6.4	6.0	2.84	2.71	0.97	1.05	2.05	1.95	2.71	2.51	4.9	4.7
96-'00	0.9%	2.8%	-0.8%	-2.3%	-0.1%	0.3%	0.9%	-0.6%	0.3%	1.3%	8.0%	1.8%	2.5%	-0.2%	6.0%	5.1%	2.8%	4.6%	7.2%	3.2%
00-'05	2.0%	0.6%	-0.4%	0.1%	-5.3%	-6.8%	-0.8%	-0.3%	-2.1%	-3.5%	-1.4%	2.2%	0.8%	0.6%	-9.9%	-10.3%	0.0%	-0.1%	-4.3%	-2.6%
05-'10	-2.2%	-2.6%	3.0%	2.3%	6.0%	6.1%	-2.5%	-3.2%	2.2%	2.1%	1.3%	-2.5%	-1.0%	-1.5%	12.8%	12.2%	0.8%	0.3%	5.2%	2.7%
10-'11	3.8%	0.2%	-23.3%	-10.9%	5.2%	-0.3%	4.3%	13.9%	4.6%	-0.1%	-2.4%	13.3%	31.1%	51.3%	0.3%	-1.5%	-11.5%	-12.8%	-1.3%	6.6%
96-'11	0.4%	0.1%	-1.1%	-0.6%	0.4%	-0.3%	-0.6%	-0.5%	0.4%	-0.2%	1.9%	1.2%	2.4%	2.5%	2.1%	1.4%	0.2%	0.4%	2.0%	1.3%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	4.5	4.6	2.2	2.2	5.1	5.4	6.1	5.9	9.6	10.0
1992	4.4	4.8	2.7	2.7	5.4	4.4	5.4	5.4	9.8	9.2
1993	5.4	5.7	2.3	2.3	5.3	5.6	6.1	6.1	10.7	11.3
1994	4.8	5.4	2.5	2.2	5.9	5.9	5.7	6.0	10.7	11.3
1995	5.4	5.0	2.2	2.1	5.5	5.8	6.6	6.3	10.9	10.8
1996	5.5	5.6	2.6	2.7	5.5	5.6	5.2	5.2	11.0	11.2
1997	5.1	5.0	2.3	2.4	6.0	5.9	5.6	6.0	11.1	10.9
1998	5.6	5.0	2.5	2.3	6.2	4.8	5.8	6.1	11.8	9.7
1999	5.4	5.2	2.5	2.5	5.7	6.0	5.6	5.5	11.1	11.2
2000	5.4	5.4	2.2	2.1	3.9	3.8	6.4	6.2	9.3	9.2
2001	5.8	5.4	2.0	2.1	5.7	5.4	5.9	6.2	11.5	10.8
2002	5.4	5.1	2.3	2.4	5.9	5.6	5.5	5.6	11.2	10.7
2003	5.4	5.4	2.3	2.2	5.7	5.8	5.6	6.0	11.1	11.2
2004	5.0	4.7	2.5	2.4	6.1	5.5	6.3	6.1	11.1	10.2
2005	5.3	4.8	2.4	2.3	5.7	5.6	6.1	5.8	11.1	10.4
2006	5.4	5.1	2.2	2.4	5.9	5.6	5.9	5.8	11.3	10.7

	4.5%	2.3%	0.2%	-1.6%	1.8%	1.8%	1.7%	1.6%	3.1%	2.0%
	0.2%	1.4%	0.0%	0.3%	-6.8%	-7.9%	-0.4%	-0.2%	-3.1%	-3.1%
	-0.4%	-2.5%	1.7%	1.0%	8.2%	8.0%	-0.9%	-1.5%	3.5%	2.4%
	0.4%	6.8%	-6.6%	8.2%	3.5%	-0.7%	-3.5%	0.6%	2.0%	2.7%
	1.1%	0.6%	0.2%	0.5%	1.0%	0.3%	-0.2%	-0.1%	1.1%	0.4%

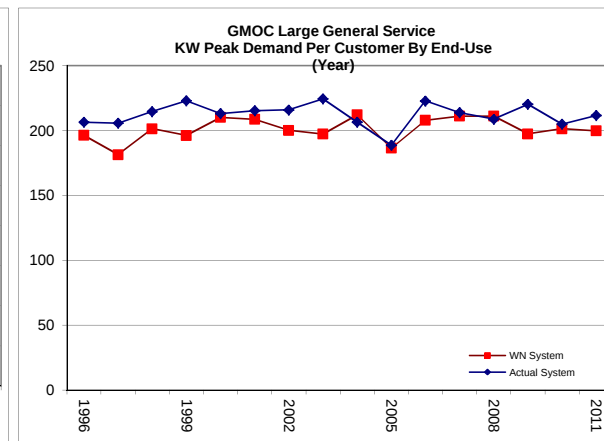
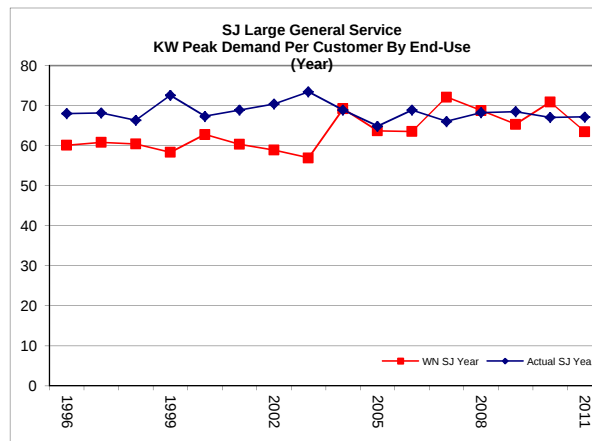
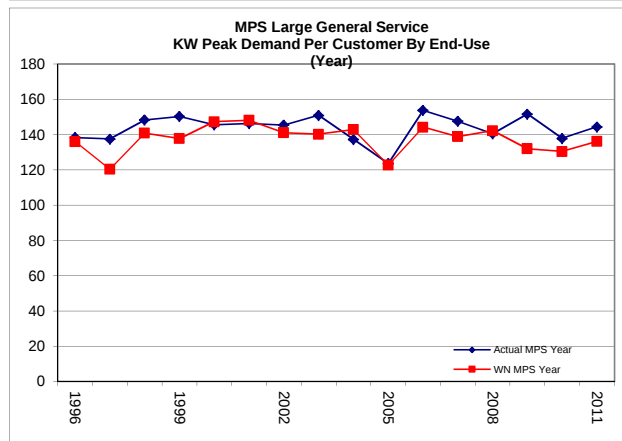
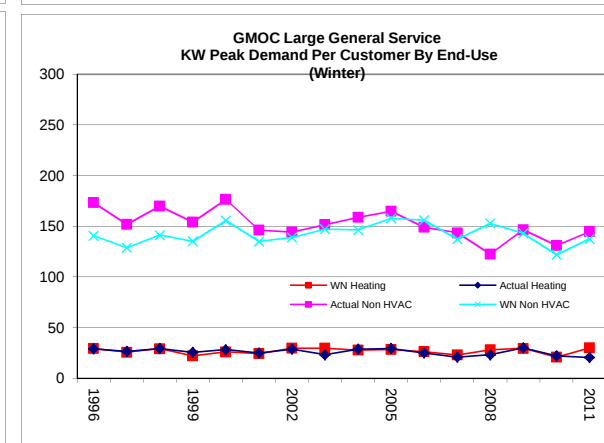
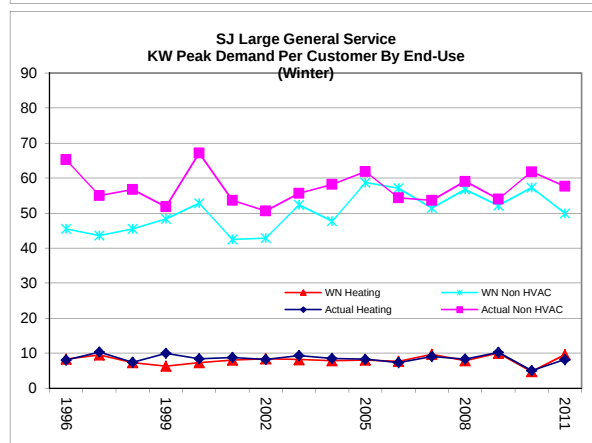
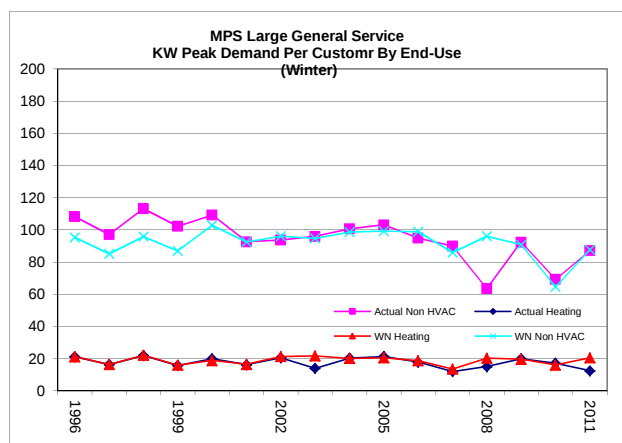
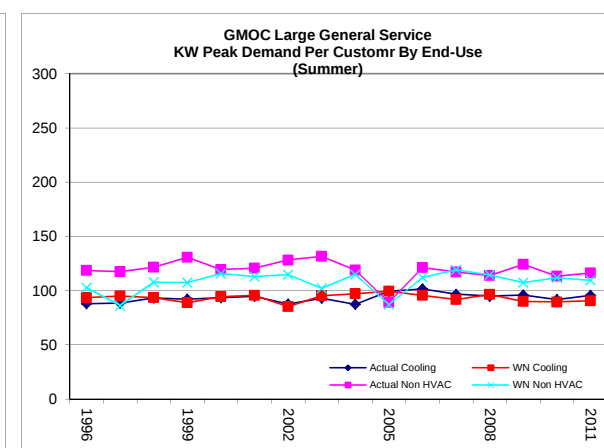
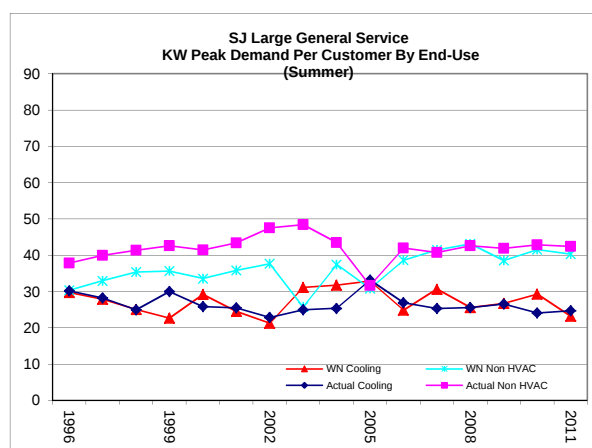
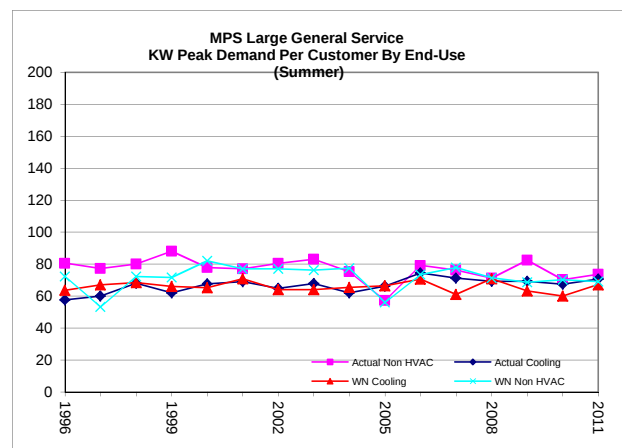


Plot 3A-34 MPS & SJ Large General Service KW Peak Demand Per Customer By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995																				
1996	57.7	63.7	21.2	21.2	80.6	72.4	108.2	95.2	138.3	136.1	30.15	29.74	8.02	8.32	37.87	30.37	65.24	45.53	68.0	60.1
1997	60.2	67.1	16.4	16.4	77.3	53.3	97.0	85.2	137.5	120.4	28.20	27.87	10.28	9.47	39.93	32.95	55.02	43.61	68.1	60.8
1998	68.1	68.5	22.0	22.1	80.2	72.3	113.2	95.9	148.3	140.8	24.96	25.07	7.40	7.26	41.36	35.34	56.70	45.49	66.3	60.4
1999	62.1	66.0	15.8	16.0	88.1	71.7	102.2	86.9	150.3	137.7	29.96	22.68	9.95	6.29	42.58	35.67	51.82	48.29	72.5	58.3
2000	67.7	65.2	20.0	18.9	77.9	82.1	109.2	102.9	145.6	147.3	25.87	29.18	8.37	7.28	41.44	33.57	67.19	52.79	67.3	62.8
2001	69.2	71.0	16.3	16.5	77.2	77.1	92.6	92.5	146.4	148.1	25.48	24.55	8.75	8.05	43.43	35.80	53.65	42.51	68.9	60.3
2002	64.8	64.1	20.6	21.4	80.6	77.1	93.8	96.1	145.4	141.1	22.85	21.26	8.23	8.39	47.57	37.64	50.63	42.82	70.4	58.9
2003	67.9	64.0	14.1	21.7	83.1	76.2	96.0	94.8	151.0	140.2	25.01	31.15	9.27	8.16	48.40	25.78	55.64	52.35	73.4	56.9
2004	62.0	65.4	20.4	20.2	75.3	77.5	100.6	98.7	137.4	142.9	25.37	31.75	8.45	7.85	43.51	37.42	58.21	47.67	68.9	69.2
2005	66.3	66.5	21.3	20.6	57.3	56.2	103.1	99.3	123.7	122.7	33.17	32.88	8.24	7.99	31.67	30.81	61.83	58.71	64.8	63.7
2006	74.6	70.7	17.9	18.7	79.2	73.5	94.8	98.9	153.8	144.2	26.95	24.92	7.25	7.64	41.96	38.62	54.35	57.07	68.9	63.5
2007	71.3	61.0	12.0	13.5	76.3	77.9	90.0	86.0	147.6	138.9	25.32	30.66	9.03	9.64	40.73	41.45	53.62	51.42	66.0	72.1
2008	69.2	70.8	15.1	20.3	71.2	71.4	63.6	96.0	140.5	142.2	25.58	25.63	8.25	7.86	42.63	43.13	59.06	56.72	68.2	68.8
2009	69.2	63.3	20.0	19.7	82.5	68.7	92.4	90.8	151.7	132.0	26.59	26.73	10.22	9.98	41.86	38.59	54.03	52.18	68.5	65.3
2010	67.5	60.2	17.2	16.1	70.4	70.3	69.3	64.7	137.9	130.4	24.12	29.32	5.02	4.76	42.90	41.53	61.81	57.25	67.0	70.9
2011	70.7	67.2	12.5	20.6	73.7	69.0	87.1	87.7	144.4	136.2	24.72	23.21	8.14	9.58	42.44	40.28	57.64	49.85	67.2	63.5
96-'00	4.1%	0.6%	-1.4%	-2.9%	-0.9%	3.2%	0.2%	1.9%	1.3%	2.0%	-3.8%	-0.5%	1.1%	-3.3%	2.3%	2.5%	0.7%	3.8%	-0.3%	1.1%
00-'05	-0.4%	0.4%	1.3%	1.8%	-5.9%	-7.3%	-1.1%	-0.7%	-3.2%	-3.6%	5.1%	2.4%	-0.3%	1.9%	-5.2%	-1.7%	-1.6%	2.1%	-0.7%	0.3%
05-'10	0.4%	-2.0%	-4.2%	-4.8%	4.2%	4.6%	-7.6%	-8.2%	2.2%	1.2%	-6.2%	-2.3%	-9.4%	-9.8%	6.3%	6.2%	0.0%	-0.5%	0.7%	2.2%
10-'11	4.7%	11.7%	-27.5%	27.8%	4.7%	-1.7%	25.6%	35.7%	4.7%	4.4%	2.5%	-20.9%	62.3%	101.3%	-1.1%	-3.0%	-6.7%	-12.9%	0.2%	-10.4%
96-'11	1.4%	0.4%	-3.5%	-0.2%	-0.6%	-0.3%	-1.4%	-0.5%	0.3%	0.0%	-1.3%	-1.6%	0.1%	0.9%	0.8%	1.9%	-0.8%	0.6%	-0.1%	0.4%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990										
1991	87.8	93.5	29.2	29.6	118.5	102.7	173.5	140.7	206.3	196.2
1992	88.4	95.0	26.7	25.8	117.3	86.3	152.0	128.8	205.6	181.3
1993	93.1	93.6	29.4	29.3	121.5	107.6	169.9	141.4	214.6	201.3
1994	92.1	88.7	25.7	22.3	130.7	107.4	154.0	135.2	222.8	196.1
1995	93.6	94.4	28.4	26.2	119.3	115.6	176.4	155.6	212.9	210.1
1996	94.6	95.5	25.0	24.5	120.6	112.9	146.3	135.1	215.3	208.5
1997	87.7	85.3	28.8	29.7	128.2	114.7	144.4	138.9	215.8	200.0
1998	92.9	95.2	23.3	29.8	131.5	102.0	151.6	147.1	224.4	197.2
1999	87.4	97.2	28.9	28.0	118.9	114.9	158.8	146.4	206.2	212.0
2000	99.5	99.4	29.5	28.6	89.0	87.0	165.0	158.0	188.5	186.4
2001	101.5	95.6	25.1	26.4	121.2	112.2	149.2	156.0	222.7	207.8
2002	96.6	91.7	21.0	23.2	117.0	119.3	143.6	137.4	213.6	211.0
2003	94.8	96.5	23.3	28.2	113.8	114.5	122.6	152.7	208.7	211.0
2004	95.8	90.0	30.2	29.6	124.3	107.3	146.5	143.0	220.1	197.3
2005	91.7	89.5	22.2	20.9	113.3	111.8	131.1	121.9	204.9	201.3
2006	95.4	90.4	20.6	30.1	116.1	109.3	144.7	137.6	211.6	199.7

	1.6%	0.3%	-0.7%	-3.0%	0.2%	3.0%	0.4%	2.5%	0.8%	1.7%
	1.2%	1.0%	0.8%	1.8%	-5.7%	-5.5%	-1.3%	0.3%	-2.4%	-2.4%
	-1.6%	-2.1%	-5.5%	-6.1%	4.9%	5.1%	-4.5%	-5.1%	1.7%	1.5%
	4.1%	1.0%	-7.2%	44.5%	2.5%	-2.2%	10.4%	12.8%	3.3%	-0.8%
	0.6%	-0.2%	-2.3%	0.1%	-0.1%	0.4%	-1.2%	-0.2%	0.2%	0.1%

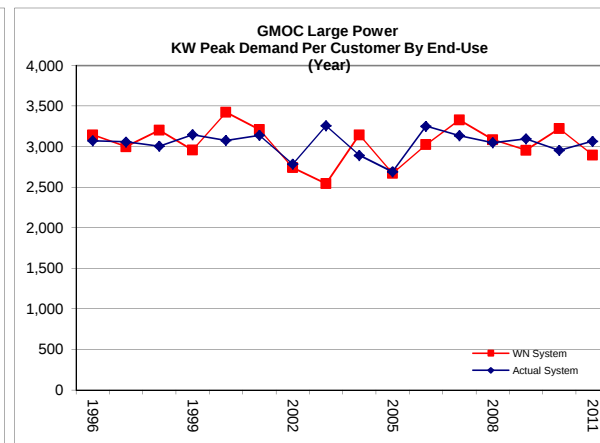
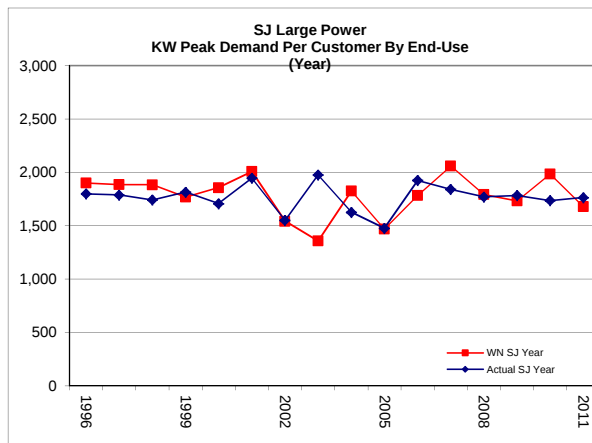
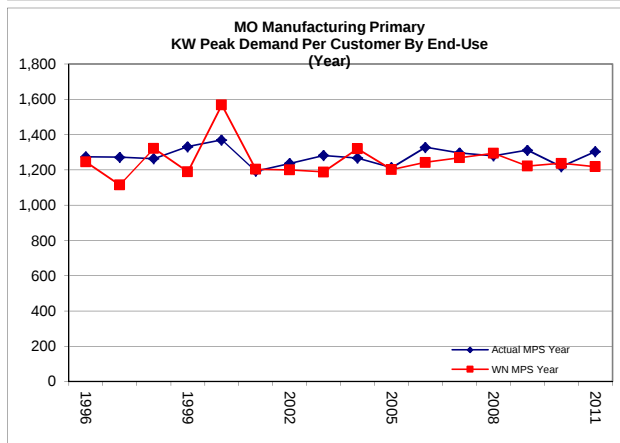
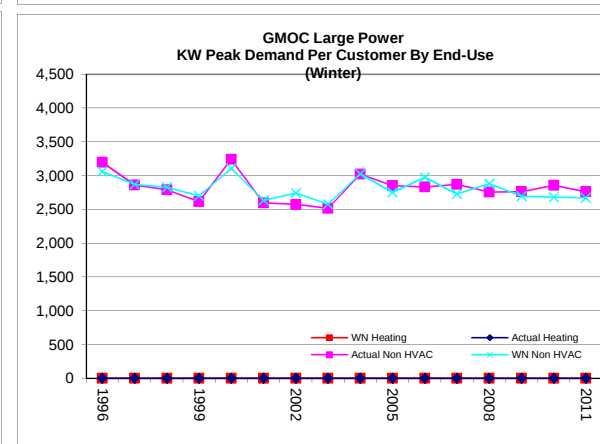
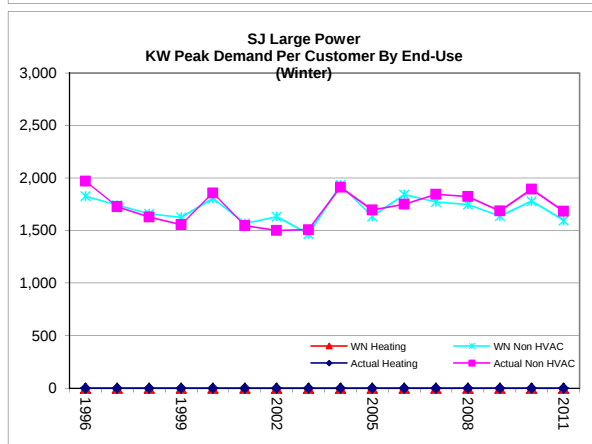
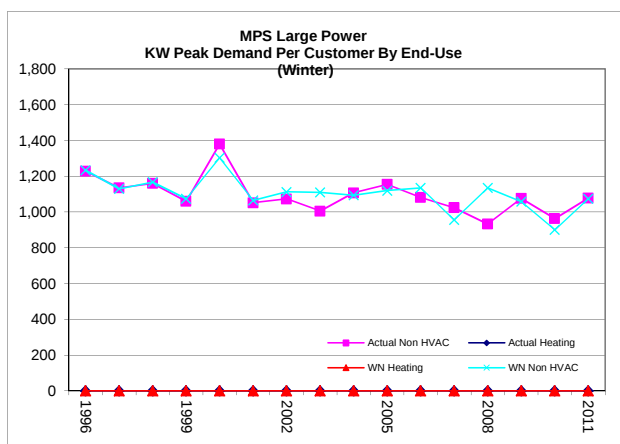
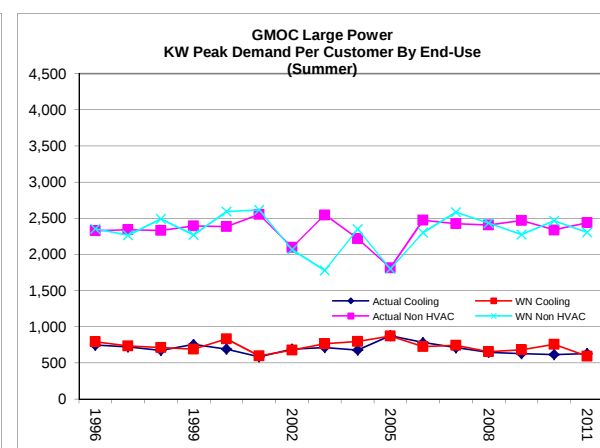
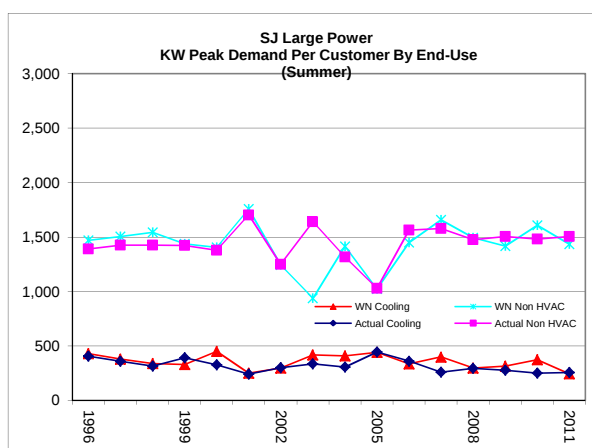
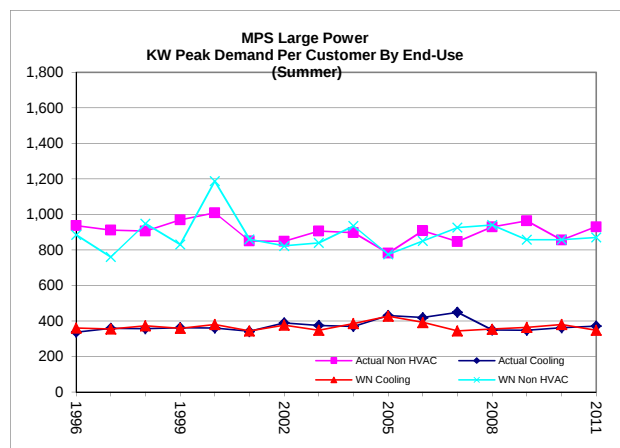


Plot 3A-35 MPS & SJ Large Power KW Peak Demand Per Customer By End-Use

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995											-	-	-	-	-	-	-	-	-	-
1996	337.7	360.4	-	-	936.7	885.5	1,227.3	1,232.6	1,274.5	1,245.9	407.2	430.42	-	-	1,389.8	1,469.1	1,969.9	1,826.7	1,796.9	1,899.5
1997	359.7	354.7	-	-	912.0	760.6	1,134.3	1,129.5	1,271.7	1,115.3	360.1	379.70	-	-	1,426.9	1,504.7	1,726.0	1,742.5	1,787.0	1,884.4
1998	357.6	373.8	-	-	906.4	947.3	1,160.6	1,167.6	1,264.0	1,321.0	314.3	340.08	-	-	1,425.8	1,542.7	1,630.2	1,659.8	1,740.2	1,882.8
1999	362.9	358.6	-	-	968.8	831.3	1,060.5	1,073.7	1,331.8	1,189.9	390.9	329.77	-	-	1,423.5	1,437.4	1,554.9	1,625.6	1,814.4	1,767.1
2000	360.9	381.0	-	-	1,008.9	1,186.9	1,380.0	1,303.2	1,369.8	1,567.9	327.9	450.79	-	-	1,378.1	1,405.5	1,859.2	1,805.4	1,706.0	1,856.3
2001	341.9	345.2	-	-	850.9	859.0	1,051.7	1,064.9	1,192.8	1,204.2	241.9	249.60	-	-	1,703.6	1,757.6	1,545.6	1,568.5	1,945.5	2,007.2
2002	388.9	377.3	-	-	847.9	822.6	1,073.2	1,112.7	1,236.8	1,200.0	300.1	298.76	-	-	1,248.6	1,243.0	1,501.8	1,631.2	1,548.6	1,541.8
2003	375.4	348.0	-	-	906.3	840.2	1,005.3	1,110.0	1,281.7	1,188.2	335.1	418.34	-	-	1,640.4	938.3	1,508.7	1,466.9	1,975.5	1,356.7
2004	369.9	385.4	-	-	897.3	935.1	1,107.2	1,094.5	1,267.2	1,320.6	307.4	409.15	-	-	1,317.9	1,415.7	1,913.3	1,933.7	1,625.3	1,824.8
2005	431.5	427.4	-	-	781.9	774.5	1,155.0	1,119.8	1,213.4	1,201.9	445.4	442.73	-	-	1,030.4	1,024.3	1,696.1	1,634.4	1,475.8	1,467.0
2006	419.3	392.4	-	-	908.9	850.5	1,081.6	1,134.4	1,328.3	1,242.9	361.0	334.64	-	-	1,562.7	1,448.5	1,750.3	1,842.1	1,923.7	1,783.2
2007	449.4	344.2	-	-	846.4	925.5	1,024.6	955.6	1,295.8	1,269.8	260.2	399.21	-	-	1,578.9	1,659.5	1,845.4	1,772.4	1,839.1	2,058.7
2008	350.6	354.6	-	-	930.0	940.5	932.4	1,134.3	1,280.6	1,295.1	294.2	297.82	-	-	1,475.3	1,493.5	1,824.7	1,746.9	1,769.5	1,791.3
2009	347.7	365.2	-	-	964.1	857.4	1,075.7	1,057.5	1,311.8	1,222.6	278.3	315.56	-	-	1,505.0	1,417.3	1,687.7	1,639.5	1,783.3	1,732.9
2010	362.5	379.9	-	-	855.9	857.6	962.8	900.3	1,218.5	1,237.5	251.6	375.25	-	-	1,482.7	1,608.7	1,895.1	1,780.2	1,734.3	1,984.0
2011	372.5	348.4	-	-	930.7	870.5	1,077.9	1,074.0	1,303.1	1,218.9	256.4	244.06	-	-	1,506.5	1,434.1	1,684.9	1,597.3	1,762.9	1,678.2
96-'00	1.7%	1.4%	#DIV/0!	#DIV/0!	1.9%	7.6%	3.0%	1.4%	1.8%	5.9%	-5.3%	1.2%	#DIV/0!	#DIV/0!	-0.2%	-1.1%	-1.4%	-0.3%	-1.3%	-0.6%
00-'05	3.6%	2.3%	#DIV/0!	#DIV/0!	-5.0%	-8.2%	-3.5%	-3.0%	-2.4%	-5.2%	6.3%	-0.4%	#DIV/0!	#DIV/0!	-5.6%	-6.1%	-1.8%	-2.0%	-2.9%	-4.6%
05-'10	-3.4%	-2.3%	#DIV/0!	#DIV/0!	1.8%	2.1%	-3.6%	-4.3%	0.1%	0.6%	-10.8%	-3.3%	#DIV/0!	#DIV/0!	7.5%	9.4%	2.2%	1.7%	3.3%	6.2%
10-'11	2.7%	-8.3%	#DIV/0!	#DIV/0!	8.7%	1.5%	12.0%	19.3%	6.9%	-1.5%	1.9%	-35.0%	#DIV/0!	#DIV/0!	1.6%	-10.9%	-11.1%	-10.3%	1.7%	-15.4%
96-'11	0.7%	-0.2%	#DIV/0!	#DIV/0!	0.0%	-0.1%	-0.9%	-0.9%	0.1%	-0.1%	-3.0%	-3.7%	#DIV/0!	#DIV/0!	0.5%	-0.2%	-1.0%	-0.9%	-0.1%	-0.8%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990	-	-	-	-	-	-	-	-	-	-
1991	744.9	790.8	-	-	2,326.5	2,354.6	3,197.2	3,059.3	3,071.4	3,145.4
1992	719.7	734.4	-	-	2,339.0	2,265.3	2,860.3	2,872.0	3,058.7	2,999.7
1993	671.9	713.8	-	-	2,332.2	2,490.0	2,790.8	2,827.5	3,004.1	3,203.9
1994	753.8	688.4	-	-	2,392.3	2,268.6	2,615.5	2,699.3	3,146.2	2,957.1
1995	688.8	831.8	-	-	2,387.0	2,592.5	3,239.2	3,108.7	3,075.8	3,424.2
1996	583.9	594.8	-	-	2,554.5	2,616.6	2,597.3	2,633.4	3,138.3	3,211.4
1997	689.0	676.1	-	-	2,096.5	2,065.6	2,574.9	2,743.8	2,785.5	2,741.7
1998	710.5	766.3	-	-	2,546.7	1,778.5	2,514.0	2,576.9	3,257.1	2,544.8
1999	677.2	794.6	-	-	2,215.3	2,350.8	3,020.6	3,028.3	2,892.5	3,145.4
2000	876.9	870.2	-	-	1,812.3	1,798.8	2,851.1	2,754.3	2,689.2	2,668.9
2001	780.4	727.0	-	-	2,471.6	2,299.0	2,831.8	2,976.5	3,252.0	3,026.0
2002	709.7	743.4	-	-	2,425.3	2,585.0	2,869.9	2,728.0	3,134.9	3,328.4
2003	644.8	652.4	-	-	2,405.3	2,434.0	2,757.0	2,881.2	3,050.0	3,086.4
2004	626.0	680.8	-	-	2,469.1	2,274.7	2,763.4	2,697.0	3,095.1	2,955.5
2005	614.1	755.1	-	-	2,338.6	2,466.3	2,857.9	2,680.5	2,952.7	3,221.5
2006	628.8	592.4	-	-	2,437.2	2,304.6	2,762.8	2,671.4	3,066.0	2,897.1

-1.9%	1.3%	#DIV/0!	#DIV/0!	0.6%	2.4%	0.3%	0.4%	0.0%	2.1%
4.9%	0.9%	#DIV/0!	#DIV/0!	-5.4%	-7.0%	-2.5%	-2.4%	-2.7%	-4.9%
-6.9%	-2.8%	#DIV/0!	#DIV/0!	5.2%	6.5%	0.0%	-0.5%	1.9%	3.8%
2.4%	-21.5%	#DIV/0!	#DIV/0!	4.2%	-6.6%	-3.3%	-0.3%	3.8%	-10.1%
-1.1%	-1.9%	#DIV/0!	#DIV/0!	0.3%	-0.1%	-1.0%	-0.9%	0.0%	-0.5%



Plot 3A-36 MPS & SJ KW Peak Demand Per Customer By End-Use
For classes that have end-use sales

Year	MPS										SJ									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year		Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	401.2	430.0	23.4	23.5	1,021.6	962.3	1,340.5	1,332.8	1,422.8	1,392.4	442.1	465.1	9.6	10.1	1,429.8	1,501.8	2,039.0	1,875.9	1,871.9	1,966.9
1997	425.6	428.3	19.1	19.0	993.7	817.3	1,235.8	1,219.2	1,419.3	1,245.6	392.8	412.3	12.9	12.1	1,469.3	1,540.3	1,784.4	1,789.5	1,862.2	1,952.6
1998	432.0	448.9	24.4	24.5	990.7	1,024.0	1,278.9	1,268.7	1,422.8	1,472.9	344.8	371.1	9.2	9.1	1,469.8	1,580.9	1,690.6	1,709.1	1,814.6	1,952.0
1999	431.4	430.9	18.4	18.6	1,061.5	907.6	1,167.5	1,165.4	1,492.9	1,338.5	425.8	357.8	12.5	8.0	1,468.8	1,476.1	1,610.3	1,678.0	1,894.6	1,834.0
2000	434.7	452.6	22.2	21.0	1,091.0	1,273.5	1,494.5	1,411.1	1,525.8	1,726.1	359.6	485.2	10.5	9.4	1,422.2	1,441.9	1,930.4	1,862.1	1,781.8	1,927.1
2001	417.3	422.4	19.2	19.4	932.4	940.5	1,148.6	1,161.8	1,349.7	1,362.9	273.0	280.0	11.3	10.7	1,749.8	1,796.3	1,602.5	1,614.3	2,022.8	2,076.3
2002	459.6	447.1	22.9	23.8	933.0	904.1	1,171.4	1,213.4	1,392.6	1,351.2	328.2	325.2	10.7	11.1	1,299.4	1,284.0	1,555.9	1,677.8	1,627.6	1,609.2
2003	449.6	417.8	16.7	24.2	994.1	920.8	1,106.0	1,209.5	1,443.7	1,338.6	365.8	454.8	12.1	10.4	1,692.0	966.2	1,568.1	1,523.6	2,057.9	1,421.1
2004	437.9	457.1	22.7	22.4	977.0	1,017.1	1,212.8	1,198.2	1,414.9	1,474.3	338.4	446.3	11.3	10.7	1,364.3	1,456.1	1,975.0	1,984.9	1,702.7	1,902.4
2005	504.3	500.4	23.8	23.1	842.8	834.2	1,263.3	1,224.1	1,347.1	1,334.6	484.3	481.2	10.5	10.2	1,064.2	1,057.2	1,762.4	1,697.4	1,548.5	1,538.4
2006	500.2	469.0	20.3	21.3	992.7	928.3	1,181.2	1,238.3	1,492.9	1,397.3	393.9	365.0	9.3	9.8	1,607.6	1,489.9	1,808.5	1,903.4	2,001.5	1,854.9
2007	526.8	411.4	14.7	16.3	927.3	1,007.8	1,119.0	1,046.1	1,454.1	1,419.2	291.0	435.1	12.0	12.8	1,622.7	1,703.6	1,902.5	1,827.5	1,913.6	2,138.7
2008	425.7	431.3	18.1	22.9	1,005.6	1,016.4	1,000.4	1,235.3	1,431.3	1,447.7	325.3	329.1	10.7	10.2	1,520.9	1,539.7	1,887.9	1,807.6	1,846.2	1,868.7
2009	422.3	434.3	22.5	22.2	1,051.7	930.6	1,173.3	1,153.4	1,474.0	1,364.9	309.7	346.9	13.8	13.4	1,550.1	1,458.7	1,745.8	1,695.7	1,859.8	1,805.6
2010	435.8	445.6	20.6	19.3	930.9	932.4	1,037.1	969.6	1,366.7	1,378.0	281.2	409.4	7.7	7.3	1,528.7	1,653.2	1,961.5	1,841.7	1,809.9	2,062.7
2011	449.1	421.2	15.4	23.1	1,009.2	944.1	1,169.8	1,166.7	1,458.3	1,365.3	286.5	272.4	11.2	12.8	1,552.0	1,477.3	1,746.5	1,650.9	1,838.6	1,749.8
96-'00	2.0%	1.3%	-1.3%	-2.8%	1.7%	7.3%	2.8%	1.4%	1.8%	5.5%	-5.0%	1.1%	2.2%	-2.0%	-0.1%	-1.0%	-1.4%	-0.2%	-1.2%	-0.5%
00-'05	3.0%	2.0%	1.3%	1.9%	-5.0%	-8.1%	-3.3%	-2.8%	-2.5%	-5.0%	6.1%	-0.2%	0.0%	1.7%	-5.6%	-6.0%	-1.8%	-1.8%	-2.8%	-4.4%
05-'10	-2.9%	-2.3%	-2.8%	-3.5%	2.0%	2.2%	-3.9%	-4.6%	0.3%	0.6%	-10.3%	-3.2%	-6.1%	-6.5%	7.5%	9.4%	2.2%	1.6%	3.2%	6.0%
10-'11	3.1%	-5.5%	-25.3%	20.0%	8.4%	1.3%	12.8%	20.3%	6.7%	-0.9%	1.9%	-33.5%	45.7%	76.2%	1.5%	-10.6%	-11.0%	-10.4%	1.6%	-15.2%
96-'11	0.8%	-0.1%	-2.8%	-0.1%	-0.1%	-0.1%	-0.9%	-0.9%	0.2%	-0.1%	-2.8%	-3.5%	1.0%	1.6%	0.5%	-0.1%	-1.0%	-0.8%	-0.1%	-0.8%

Year	GMOC									
	Cooling		Heating		Non-HVAC Summer		Non-HVAC Winter		Year	
	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
1990	-	-	-	-	-	-	-	-	-	-
1991	843.3	895.2	33.0	33.6	2,451.4	2,464.1	3,379.5	3,208.8	3,294.7	3,359.3
1992	818.4	840.6	32.0	31.1	2,463.0	2,357.5	3,020.2	3,008.7	3,281.4	3,198.1
1993	776.8	820.0	33.6	33.6	2,460.5	2,604.8	2,969.5	2,977.8	3,237.3	3,424.9
1994	857.2	788.7	30.9	26.6	2,530.3	2,383.8	2,777.8	2,843.4	3,387.5	3,172.5
1995	794.3	937.8	32.7	30.4	2,513.3	2,715.4	3,424.9	3,273.2	3,307.6	3,653.2
1996	690.4	702.4	30.5	30.1	2,682.2	2,736.8	2,751.1	2,776.1	3,372.6	3,439.2
1997	787.8	772.3	33.7	34.9	2,232.5	2,188.1	2,727.3	2,891.2	3,020.2	2,960.3
1998	815.4	872.7	28.9	34.6	2,686.2	1,887.0	2,674.1	2,733.1	3,501.5	2,759.7
1999	776.3	903.5	34.0	33.2	2,341.3	2,473.2	3,187.8	3,183.1	3,117.6	3,376.7
2000	988.5	981.6	34.3	33.2	1,907.0	1,891.4	3,025.6	2,921.5	2,895.6	2,873.0
2001	894.1	834.0	29.6	31.1	2,600.3	2,418.2	2,989.7	3,141.7	3,494.4	3,252.2
2002	817.7	846.5	26.8	29.1	2,550.0	2,711.4	3,021.5	2,873.5	3,367.8	3,557.9
2003	751.0	760.4	28.8	33.1	2,526.5	2,556.1	2,888.3	3,043.0	3,277.6	3,316.5
2004	732.0	781.2	36.3	35.6	2,601.8	2,389.3	2,919.1	2,849.1	3,333.7	3,170.5
2005	717.0	855.0	28.3	26.5	2,459.6	2,585.6	2,998.6	2,811.3	3,176.5	3,440.6
2006	735.7	693.6	26.6	35.9	2,561.2	2,421.4	2,916.3	2,817.6	3,296.9	3,115.1

-1.5%	1.2%	-0.2%	-2.5%	0.6%	2.5%	0.3%	0.5%	0.1%	2.1%
4.5%	0.9%	0.9%	1.8%	-5.4%	-7.0%	-2.4%	-2.2%	-2.6%	-4.7%
-6.2%	-2.7%	-3.8%	-4.4%	5.2%	6.5%	-0.2%	-0.8%	1.9%	3.7%
2.6%	-18.9%	-6.1%	35.4%	4.1%	-6.3%	-2.7%	0.2%	3.8%	-9.5%
-0.9%	-1.7%	-1.4%	0.4%	0.3%	-0.1%	-1.0%	-0.9%	0.0%	-0.5%

