

Part 1 - Appendix H
Kansas City Power & Light Reports

Missouri 4 CSR 240-22.030 (8) Reporting Requirements
Load Analysis and Forecasting

(8)(A) For each major class specified in subsection (1)(A) the utility shall provide plots of number of units, energy usage per unit and total class energy usage.

(8)(A)(1) Plots shall be produced for the summer period (June through September), the remaining non-summer months and the calendar year.

(8)(A)(2) The plots shall cover the historical database period and the forecast period of at least twenty (20) years.

(8)(A)(2.A) The historical period shall include both actual and weather normalized energy usage per unit and total class energy usage.

(8)(A)(2.B) The plots for the forecast period shall show each end-use component of major class energy usage per unit and total class energy usage for the base-case forecast.

Compliance: See Plots H-1 through H-64 for base-case KCP&L forecast reports designed to comply with section (8)(A) reporting requirements.

Linked Files:**Work Files**

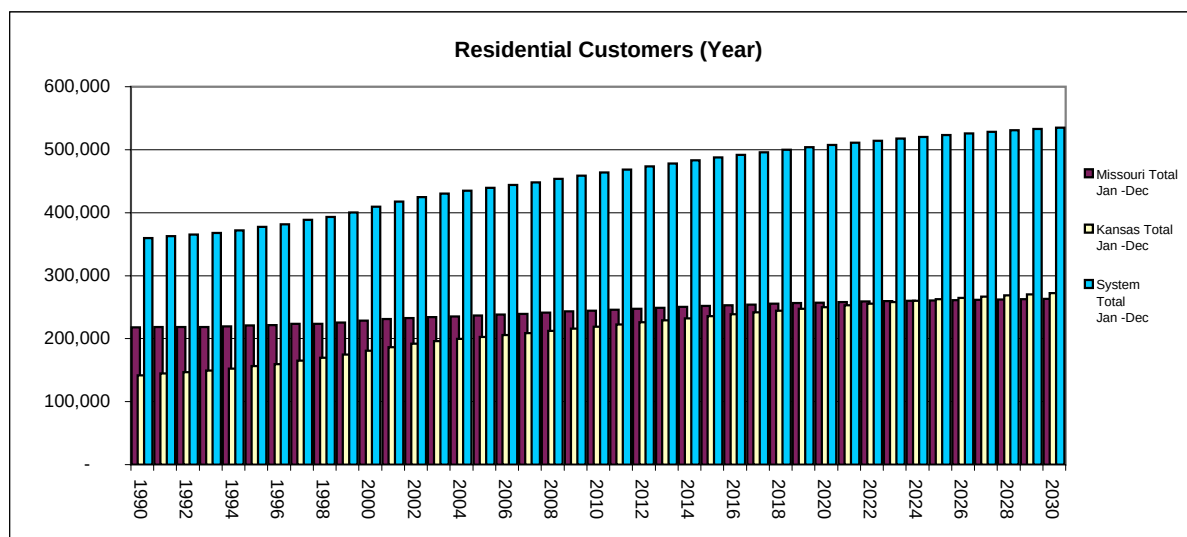
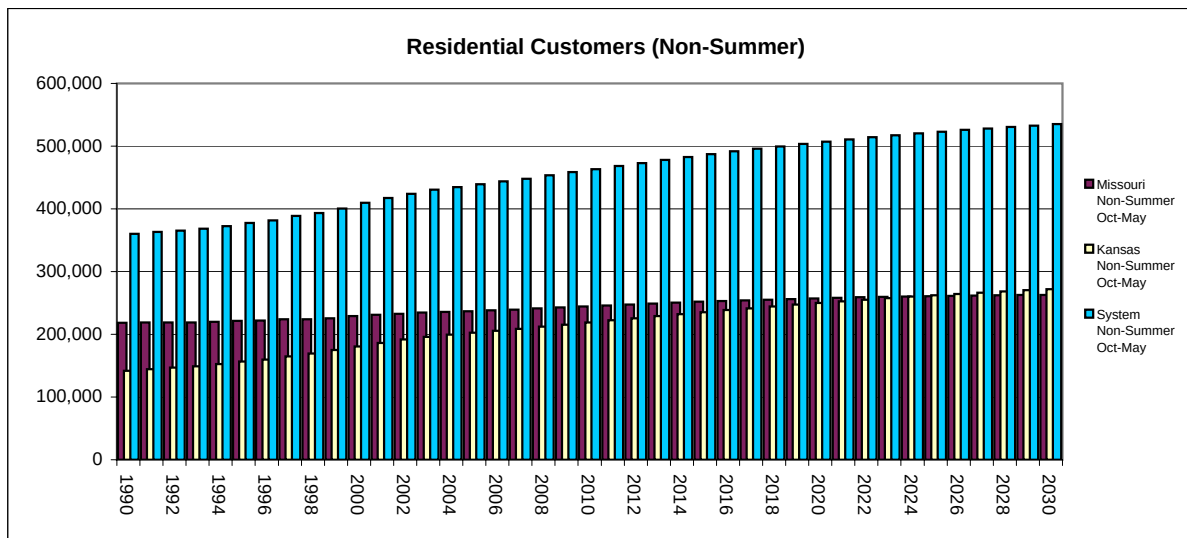
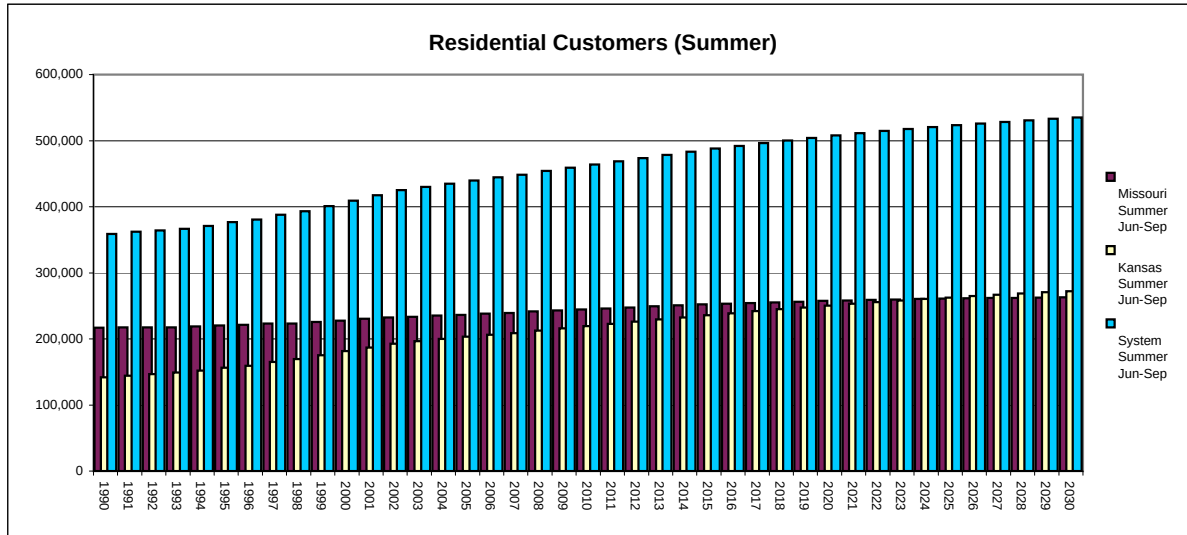
Folder: Datalyzers/WN Class
Datalyzers/Actual Class
Datalyzers/Actual End Use Class

Project Files

IRP_8A_KCPL_Customer.xls
IRP_8A_KCPL_GWH.xls
IRP_8A_KCPL_AvgUse.xls
IRP_8A_KCPL_EndUse_AvgUse.xls
IRP_8A_KCPL_EndUse_GWH.xls

Plot H-1: Missouri & Kansas Residential Customers

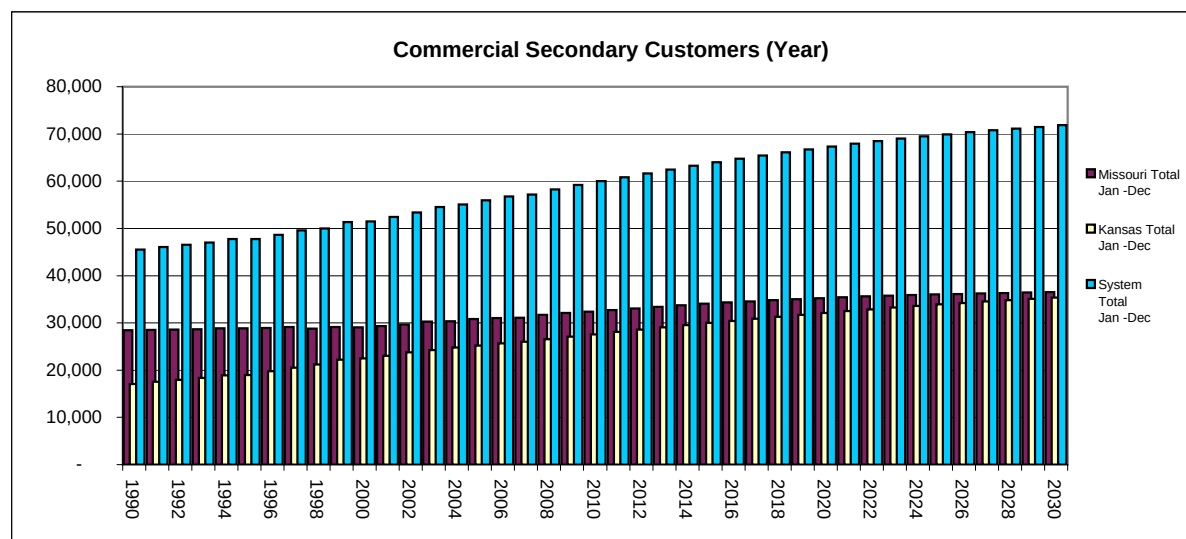
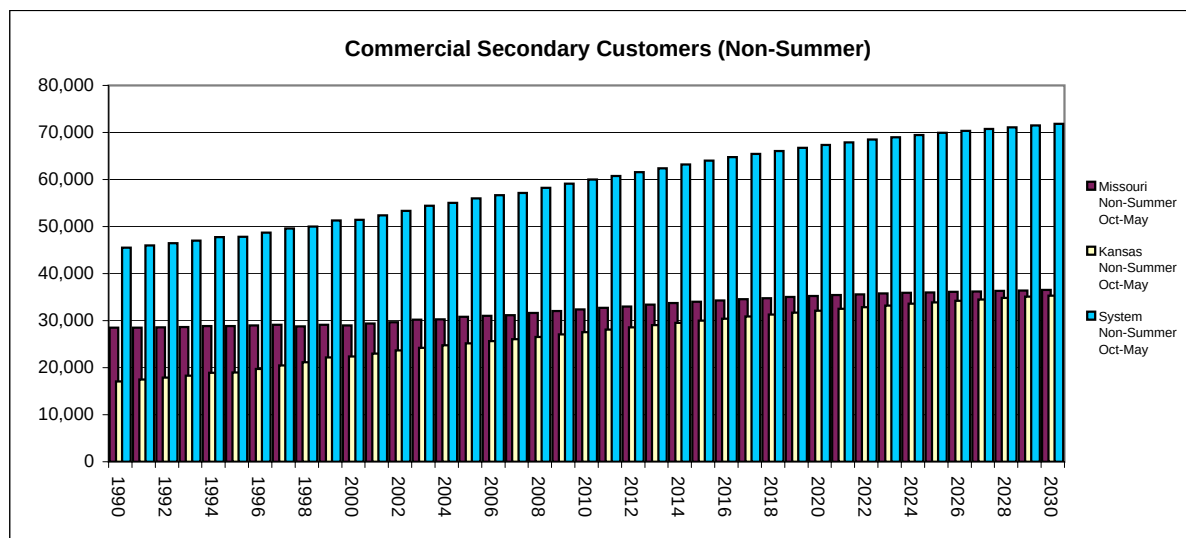
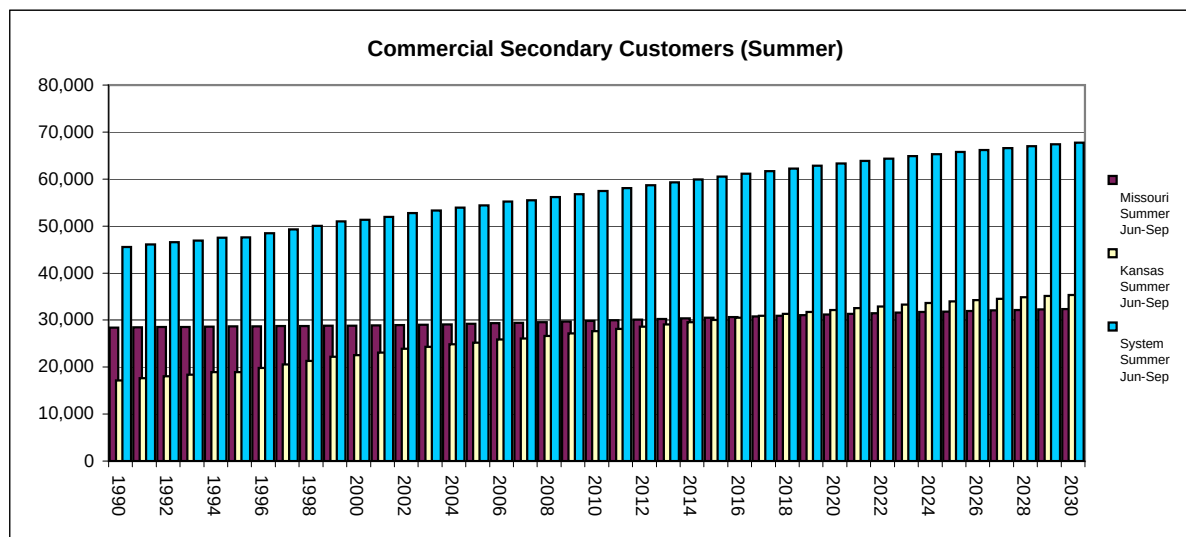
Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	216,985	218,346	217,892	141,772	142,088	141,983	358,757	360,434	359,875
1991	217,565	218,670	218,301	144,522	144,605	144,577	362,087	363,274	362,878
1992	217,478	218,688	218,285	146,758	146,798	146,784	364,236	365,486	365,069
1993	217,672	219,128	218,642	149,097	149,177	149,150	366,769	368,304	367,792
1994	218,713	220,056	219,608	152,178	152,645	152,489	370,890	372,702	372,098
1995	220,389	221,346	221,027	156,268	156,385	156,346	376,657	377,731	377,373
1996	221,149	222,055	221,753	159,357	159,775	159,636	380,506	381,831	381,389
1997	223,119	223,786	223,563	164,982	164,985	164,984	388,100	388,771	388,547
1998	223,370	223,842	223,685	169,676	169,412	169,500	393,046	393,254	393,185
1999	225,573	225,457	225,496	175,419	174,806	175,010	400,992	400,263	400,506
2000	227,655	229,110	228,625	181,433	180,750	180,977	409,087	409,860	409,602
2001	230,676	231,170	231,005	186,733	186,429	186,531	417,409	417,599	417,536
2002	232,527	232,417	232,453	192,845	191,799	192,148	425,372	424,216	424,601
2003	233,498	234,506	234,170	196,577	196,173	196,308	430,075	430,679	430,478
2004	235,126	235,463	235,351	199,884	199,323	199,510	435,010	434,786	434,860
2005	236,455	236,691	236,612	203,174	202,568	202,770	439,629	439,259	439,382
2006	238,412	238,378	238,389	206,228	205,717	205,887	444,639	444,095	444,276
2007	239,318	239,441	239,400	208,937	208,576	208,696	448,254	448,017	448,096
2008	241,604	241,331	241,422	212,461	212,011	212,161	454,064	453,342	453,583
2009	243,267	243,066	243,133	215,998	215,556	215,703	459,265	458,622	458,836
2010	244,671	244,498	244,556	219,451	219,020	219,164	464,122	463,518	463,720
2011	246,056	245,881	245,939	222,824	222,402	222,543	468,879	468,284	468,482
2012	247,592	247,393	247,460	226,141	225,727	225,865	473,734	473,120	473,325
2013	249,198	248,998	249,065	229,422	229,012	229,149	478,620	478,011	478,214
2014	250,716	250,526	250,590	232,655	232,251	232,386	483,372	482,777	482,975
2015	252,134	251,953	252,013	235,833	235,435	235,567	487,966	487,388	487,581
2016	253,313	253,169	253,217	238,927	238,540	238,669	492,240	491,709	491,886
2017	254,353	254,225	254,268	241,924	241,550	241,674	496,277	495,774	495,942
2018	255,390	255,261	255,304	244,831	244,467	244,588	500,221	499,728	499,892
2019	256,406	256,278	256,321	247,651	247,299	247,416	504,058	503,577	503,737
2020	257,409	257,281	257,323	250,392	250,049	250,164	507,801	507,330	507,487
2021	258,292	258,183	258,220	253,044	252,713	252,823	511,336	510,896	511,043
2022	259,052	258,961	258,991	255,596	255,277	255,384	514,648	514,238	514,375
2023	259,728	259,643	259,672	258,045	257,739	257,841	517,774	517,383	517,513
2024	260,309	260,237	260,261	260,386	260,094	260,191	520,695	520,331	520,452
2025	260,873	260,800	260,824	262,624	262,345	262,438	523,498	523,145	523,262
2026	261,360	261,300	261,320	264,760	264,493	264,582	526,119	525,793	525,902
2027	261,779	261,727	261,745	266,789	266,535	266,620	528,568	528,262	528,364
2028	262,185	262,134	262,151	268,718	268,477	268,557	530,902	530,611	530,708
2029	262,606	262,552	262,570	270,557	270,327	270,404	533,163	532,879	532,974
2030	263,019	262,966	262,984	272,312	272,093	272,166	535,331	535,059	535,150
90-'06	0.6%	0.6%	0.6%	2.4%	2.3%	2.3%	1.4%	1.3%	1.3%
07-'10	0.7%	0.7%	0.7%	1.7%	1.6%	1.6%	1.2%	1.1%	1.1%
10-'15	0.6%	0.6%	0.6%	1.5%	1.5%	1.5%	1.0%	1.0%	1.0%
15-'20	0.4%	0.4%	0.4%	1.2%	1.2%	1.2%	0.8%	0.8%	0.8%
20-'25	0.3%	0.3%	0.3%	1.0%	1.0%	1.0%	0.6%	0.6%	0.6%
25-'30	0.2%	0.2%	0.2%	0.7%	0.7%	0.7%	0.4%	0.5%	0.5%
07-'30	0.4%	0.4%	0.4%	1.2%	1.2%	1.2%	0.8%	0.8%	0.8%



Plot H-2: Missouri & Kansas Commercial Secondary Customers

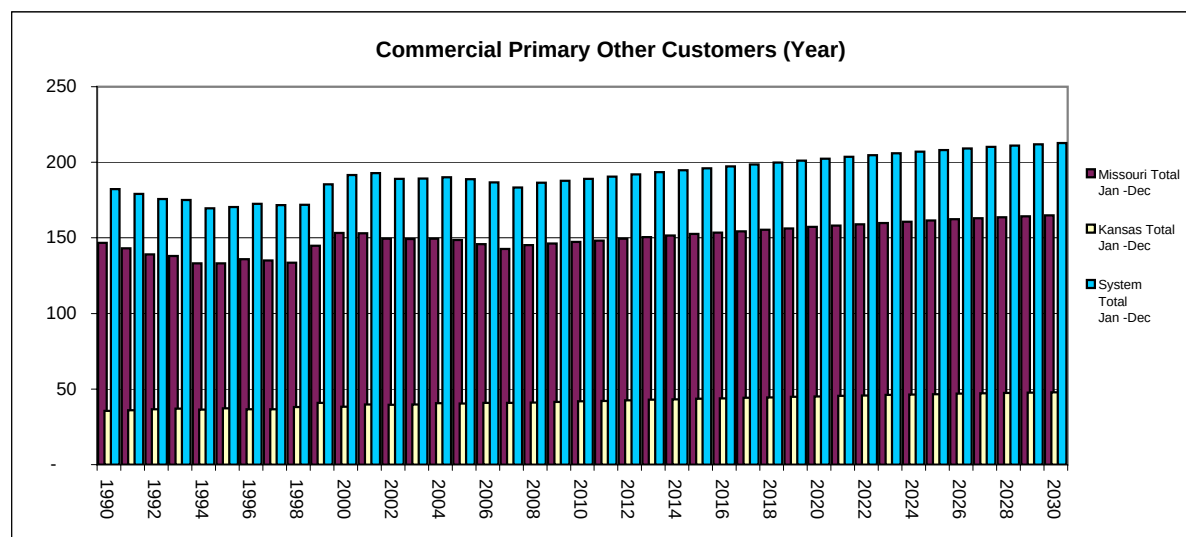
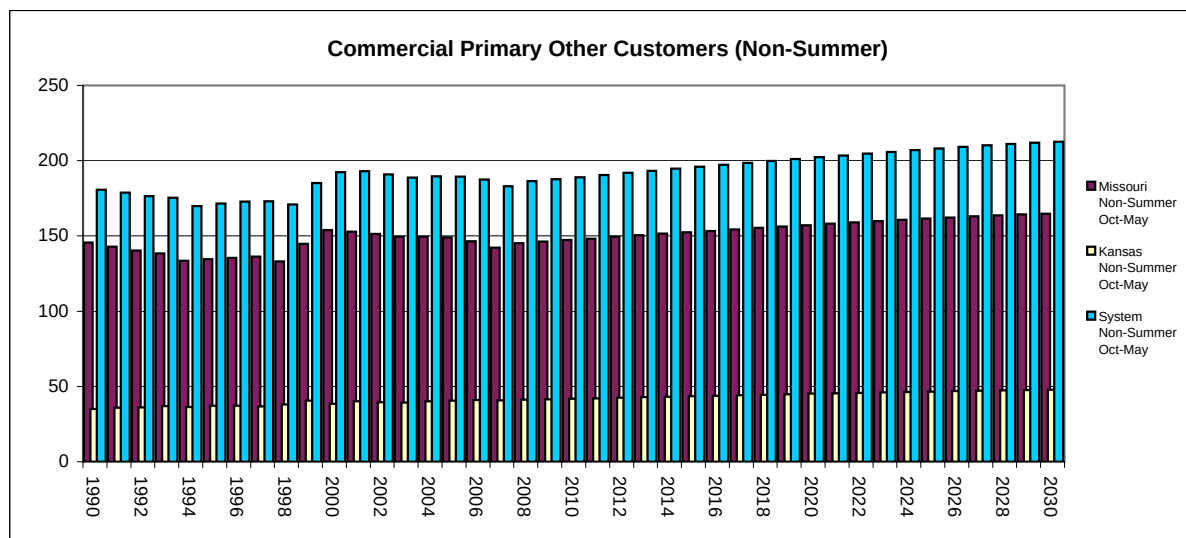
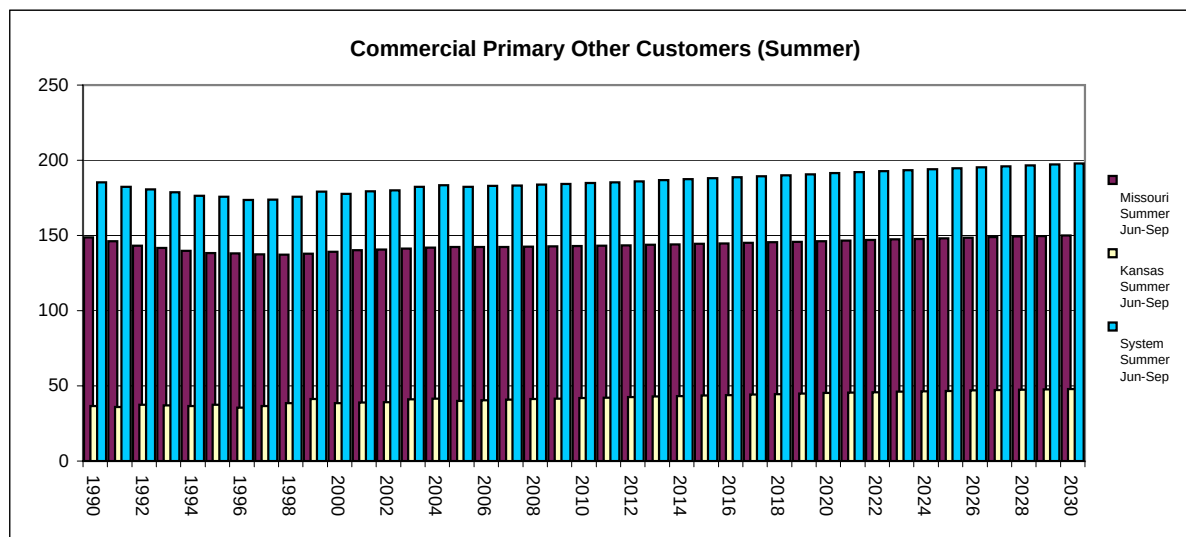
Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	28,397	28,472	28,447	17,153	17,071	17,098	45,550	45,543	45,546
1991	28,467	28,496	28,509	17,611	17,484	17,527	46,077	45,980	46,036
1992	28,516	28,576	28,589	18,052	17,861	17,924	46,567	46,437	46,513
1993	28,553	28,669	28,668	18,351	18,310	18,324	46,904	46,979	46,992
1994	28,610	28,841	28,839	18,945	18,886	18,906	47,554	47,727	47,745
1995	28,634	28,870	28,831	18,925	18,959	18,948	47,559	47,829	47,778
1996	28,654	28,965	28,902	19,812	19,719	19,750	48,466	48,684	48,652
1997	28,707	29,113	29,101	20,580	20,487	20,518	49,287	49,600	49,619
1998	28,711	28,808	28,786	21,317	21,158	21,211	50,027	49,966	49,997
1999	28,769	29,095	29,161	22,200	22,189	22,193	50,969	51,284	51,354
2000	28,801	29,005	29,042	22,546	22,414	22,458	51,347	51,418	51,500
2001	28,842	29,388	29,357	23,087	23,017	23,040	51,928	52,405	52,397
2002	28,905	29,636	29,645	23,890	23,702	23,765	52,795	53,337	53,409
2003	29,011	30,174	30,249	24,318	24,231	24,260	53,329	54,405	54,509
2004	29,102	30,306	30,329	24,853	24,734	24,774	53,955	55,040	55,103
2005	29,208	30,815	30,810	25,193	25,154	25,167	54,401	55,969	55,977
2006	29,319	31,032	31,050	25,868	25,613	25,698	55,186	56,645	56,748
2007	29,419	31,123	31,121	26,083	26,024	26,043	55,502	57,147	57,165
2008	29,540	31,662	31,684	26,619	26,554	26,575	56,160	58,215	58,260
2009	29,669	32,067	32,083	27,136	27,071	27,093	56,805	59,138	59,175
2010	29,800	32,391	32,404	27,640	27,577	27,598	57,440	59,968	60,002
2011	29,934	32,695	32,708	28,132	28,071	28,091	58,066	60,766	60,799
2012	30,070	33,023	33,037	28,616	28,556	28,576	58,686	61,579	61,613
2013	30,210	33,376	33,391	29,095	29,035	29,055	59,305	62,411	62,446
2014	30,352	33,716	33,730	29,567	29,508	29,528	59,919	63,224	63,258
2015	30,495	34,035	34,049	30,031	29,973	29,992	60,526	64,008	64,041
2016	30,637	34,311	34,322	30,483	30,426	30,445	61,120	64,738	64,768
2017	30,778	34,548	34,557	30,920	30,866	30,884	61,698	65,414	65,441
2018	30,917	34,777	34,786	31,345	31,292	31,310	62,262	66,069	66,096
2019	31,054	35,002	35,011	31,757	31,705	31,723	62,811	66,707	66,734
2020	31,189	35,224	35,233	32,157	32,107	32,124	63,346	67,331	67,357
2021	31,323	35,427	35,436	32,544	32,496	32,512	63,867	67,923	67,948
2022	31,453	35,603	35,610	32,917	32,871	32,886	64,370	68,473	68,496
2023	31,580	35,756	35,763	33,275	33,230	33,245	64,855	68,987	69,008
2024	31,704	35,890	35,896	33,617	33,574	33,589	65,321	69,465	69,484
2025	31,824	36,015	36,020	33,944	33,903	33,917	65,768	69,918	69,937
2026	31,941	36,128	36,133	34,256	34,217	34,230	66,197	70,345	70,363
2027	32,054	36,224	36,228	34,553	34,515	34,528	66,606	70,740	70,756
2028	32,163	36,314	36,318	34,834	34,799	34,811	66,998	71,114	71,129
2029	32,270	36,406	36,410	35,103	35,070	35,081	67,373	71,476	71,491
2030	32,373	36,498	36,502	35,360	35,328	35,338	67,733	71,826	71,840

90-'06	0.2%	0.5%	0.5%	2.6%	2.6%	2.6%	1.2%	1.4%	1.4%
07-'10	0.4%	1.3%	1.4%	2.0%	2.0%	2.0%	1.2%	1.6%	1.6%
10-'15	0.5%	1.0%	1.0%	1.7%	1.7%	1.7%	1.1%	1.3%	1.3%
15-'20	0.5%	0.7%	0.7%	1.4%	1.4%	1.4%	0.9%	1.0%	1.0%
20-'25	0.4%	0.4%	0.4%	1.1%	1.1%	1.1%	0.8%	0.8%	0.8%
25-'30	0.3%	0.3%	0.3%	0.8%	0.8%	0.8%	0.6%	0.5%	0.5%
07-'30	0.4%	0.7%	0.7%	1.3%	1.3%	1.3%	0.9%	1.0%	1.0%



Plot H-3 Missouri & Kansas Commercial Primary Other Customers

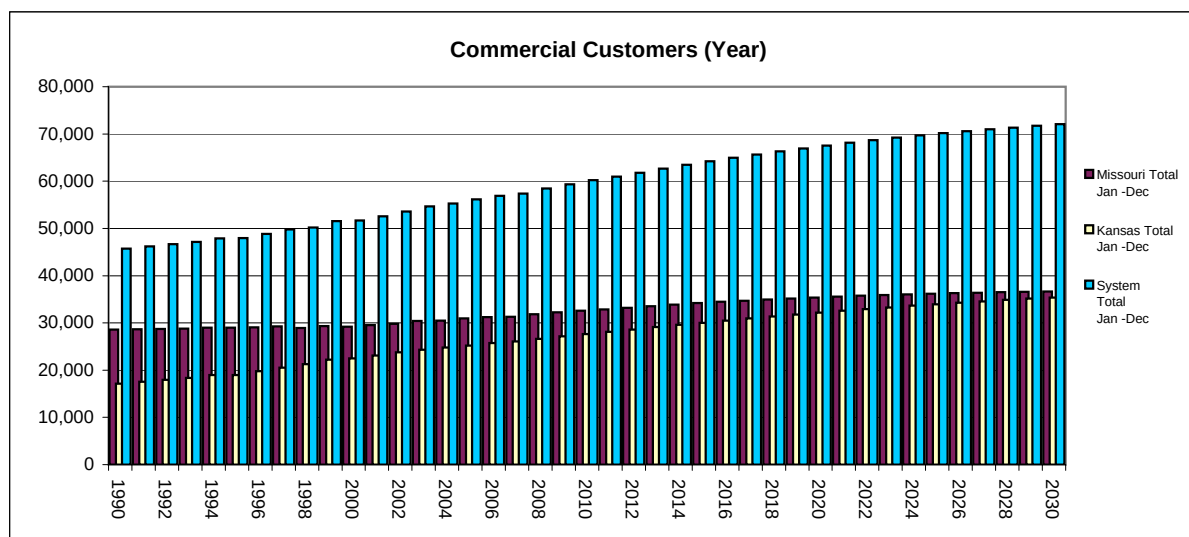
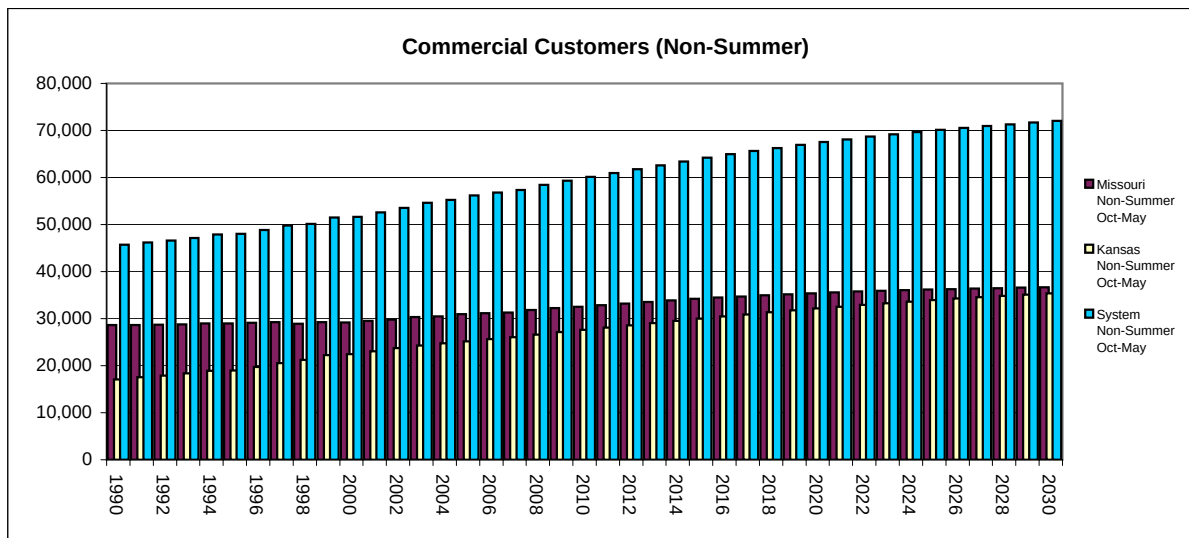
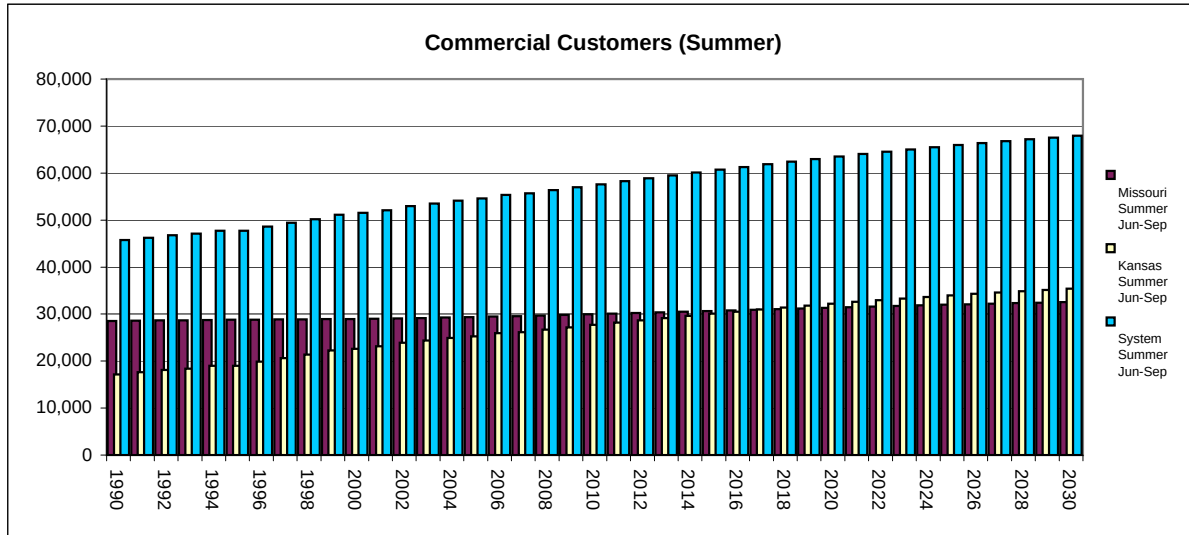
Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	149	146	147	37	35	36	185	181	182
1991	146	143	143	36	36	36	182	179	179
1992	143	140	139	38	36	37	181	176	176
1993	142	138	138	37	37	37	179	175	175
1994	140	134	133	37	36	36	176	170	170
1995	138	135	133	38	37	37	176	172	171
1996	138	136	136	36	37	37	174	173	173
1997	137	136	135	37	37	37	174	173	172
1998	137	133	134	39	38	38	176	171	172
1999	138	145	145	41	41	41	179	185	186
2000	139	154	153	39	38	38	178	192	192
2001	140	153	153	39	40	40	179	193	193
2002	141	151	150	39	40	40	180	191	189
2003	141	150	149	41	39	40	182	189	189
2004	142	149	149	42	40	41	183	190	190
2005	142	149	149	40	41	40	182	190	189
2006	142	146	146	41	41	41	183	188	187
2007	142	142	143	41	41	41	183	183	183
2008	143	145	145	41	41	41	184	186	186
2009	143	146	146	42	41	41	184	188	188
2010	143	147	147	42	42	42	185	189	189
2011	143	148	148	42	42	42	185	190	190
2012	144	149	149	43	43	43	186	192	192
2013	144	150	150	43	43	43	187	193	193
2014	144	151	152	43	43	43	187	195	195
2015	144	153	153	44	44	44	188	196	196
2016	145	153	153	44	44	44	189	197	197
2017	145	154	154	44	44	44	189	199	199
2018	145	155	155	45	45	45	190	200	200
2019	146	156	156	45	45	45	191	201	201
2020	146	157	157	45	45	45	191	202	202
2021	147	158	158	46	45	45	192	204	204
2022	147	159	159	46	46	46	193	205	205
2023	147	160	160	46	46	46	193	206	206
2024	148	161	161	46	46	46	194	207	207
2025	148	162	162	47	47	47	195	208	208
2026	148	162	162	47	47	47	195	209	209
2027	149	163	163	47	47	47	196	210	210
2028	149	164	164	47	47	47	197	211	211
2029	150	164	164	48	48	48	197	212	212
2030	150	165	165	48	48	48	198	213	213
90-'06	-0.3%	0.0%	0.0%	0.7%	1.0%	0.9%	-0.1%	0.2%	0.2%
07-'10	0.1%	1.2%	1.1%	0.9%	0.8%	0.8%	0.3%	1.1%	1.0%
10-'15	0.2%	0.7%	0.7%	0.8%	0.8%	0.8%	0.3%	0.7%	0.7%
15-'20	0.2%	0.6%	0.6%	0.7%	0.7%	0.7%	0.4%	0.6%	0.6%
20-'25	0.3%	0.5%	0.5%	0.6%	0.6%	0.6%	0.3%	0.6%	0.6%
25-'30	0.3%	0.4%	0.4%	0.5%	0.5%	0.5%	0.3%	0.4%	0.4%
07-'30	0.2%	0.6%	0.6%	0.7%	0.7%	0.7%	0.3%	0.7%	0.6%



Plot H-4 Missouri & Kansas Commercial Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	28,546	28,618	28,594	17,189	17,106	17,134	45,735	45,724	45,728
1991	28,613	28,639	28,652	17,647	17,520	17,563	46,260	46,159	46,215
1992	28,659	28,716	28,728	18,089	17,897	17,961	46,748	46,613	46,689
1993	28,695	28,807	28,806	18,388	18,347	18,361	47,083	47,155	47,167
1994	28,750	28,975	28,973	18,981	18,923	18,942	47,731	47,897	47,915
1995	28,772	29,004	28,964	18,963	18,996	18,985	47,734	48,000	47,949
1996	28,792	29,100	29,038	19,847	19,756	19,786	48,639	48,856	48,825
1997	28,844	29,249	29,236	20,616	20,524	20,555	49,461	49,773	49,790
1998	28,848	28,941	28,919	21,355	21,196	21,249	50,203	50,137	50,168
1999	28,907	29,240	29,306	22,242	22,230	22,234	51,148	51,469	51,540
2000	28,940	29,159	29,195	22,585	22,452	22,496	51,524	51,611	51,691
2001	28,982	29,541	29,510	23,126	23,057	23,080	52,107	52,598	52,590
2002	29,046	29,787	29,794	23,929	23,742	23,804	52,975	53,528	53,598
2003	29,153	30,323	30,398	24,359	24,270	24,300	53,512	54,594	54,698
2004	29,244	30,455	30,478	24,895	24,775	24,815	54,139	55,230	55,293
2005	29,351	30,964	30,958	25,233	25,195	25,207	54,584	56,158	56,166
2006	29,461	31,179	31,196	25,908	25,654	25,738	55,369	56,832	56,934
2007	29,561	31,265	31,264	26,124	26,064	26,084	55,685	57,330	57,348
2008	29,683	31,807	31,829	26,660	26,595	26,617	56,343	58,402	58,446
2009	29,812	32,214	32,229	27,177	27,113	27,134	56,989	59,326	59,363
2010	29,943	32,538	32,551	27,682	27,619	27,640	57,625	60,157	60,191
2011	30,077	32,843	32,856	28,174	28,113	28,133	58,251	60,956	60,989
2012	30,213	33,173	33,187	28,659	28,598	28,619	58,872	61,771	61,805
2013	30,353	33,527	33,542	29,138	29,078	29,098	59,491	62,605	62,640
2014	30,496	33,867	33,882	29,610	29,551	29,571	60,106	63,419	63,453
2015	30,639	34,188	34,201	30,075	30,016	30,036	60,714	64,204	64,237
2016	30,782	34,465	34,476	30,527	30,470	30,489	61,309	64,935	64,965
2017	30,923	34,702	34,712	30,965	30,910	30,928	61,888	65,612	65,640
2018	31,062	34,932	34,942	31,389	31,336	31,354	62,452	66,268	66,296
2019	31,200	35,158	35,167	31,802	31,750	31,767	63,002	66,908	66,935
2020	31,336	35,381	35,391	32,202	32,152	32,169	63,538	67,533	67,559
2021	31,469	35,585	35,594	32,590	32,541	32,558	64,059	68,127	68,151
2022	31,600	35,762	35,769	32,963	32,916	32,932	64,563	68,678	68,701
2023	31,727	35,916	35,923	33,321	33,276	33,291	65,048	69,193	69,214
2024	31,851	36,051	36,056	33,663	33,621	33,635	65,515	69,672	69,691
2025	31,972	36,177	36,182	33,991	33,950	33,963	65,963	70,126	70,145
2026	32,089	36,291	36,295	34,303	34,264	34,277	66,392	70,555	70,572
2027	32,203	36,387	36,391	34,600	34,563	34,575	66,802	70,950	70,966
2028	32,312	36,478	36,482	34,882	34,847	34,858	67,194	71,325	71,340
2029	32,419	36,570	36,574	35,151	35,117	35,128	67,570	71,688	71,703
2030	32,523	36,663	36,667	35,407	35,375	35,386	67,930	72,038	72,053

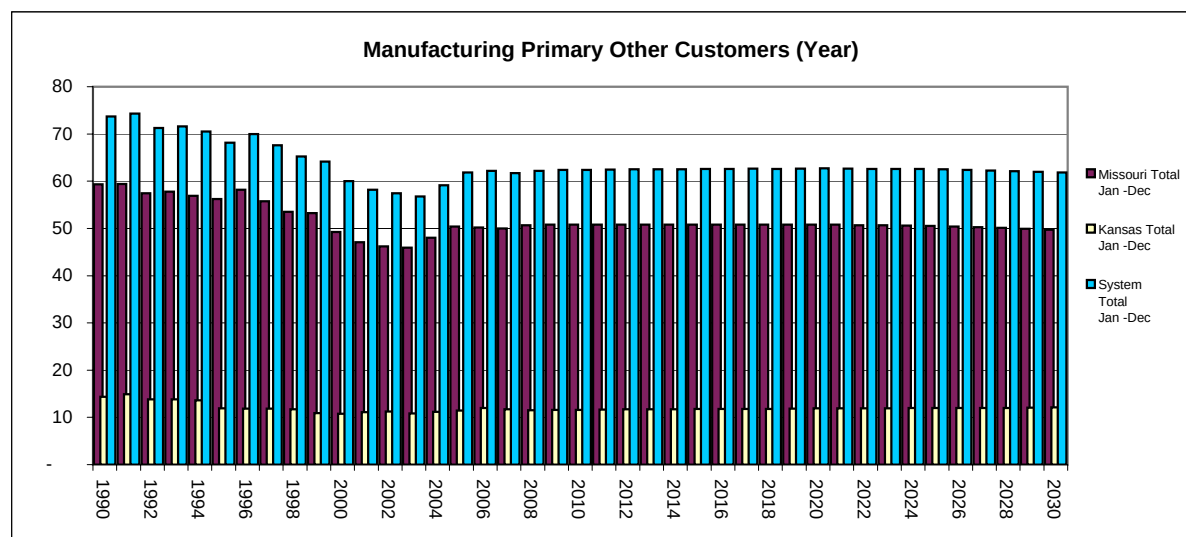
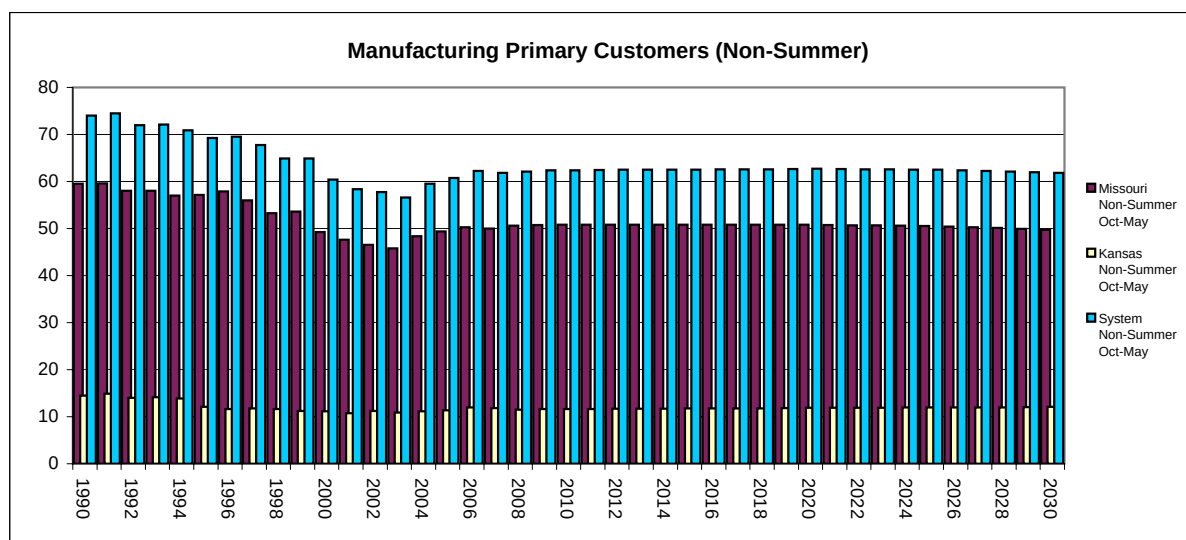
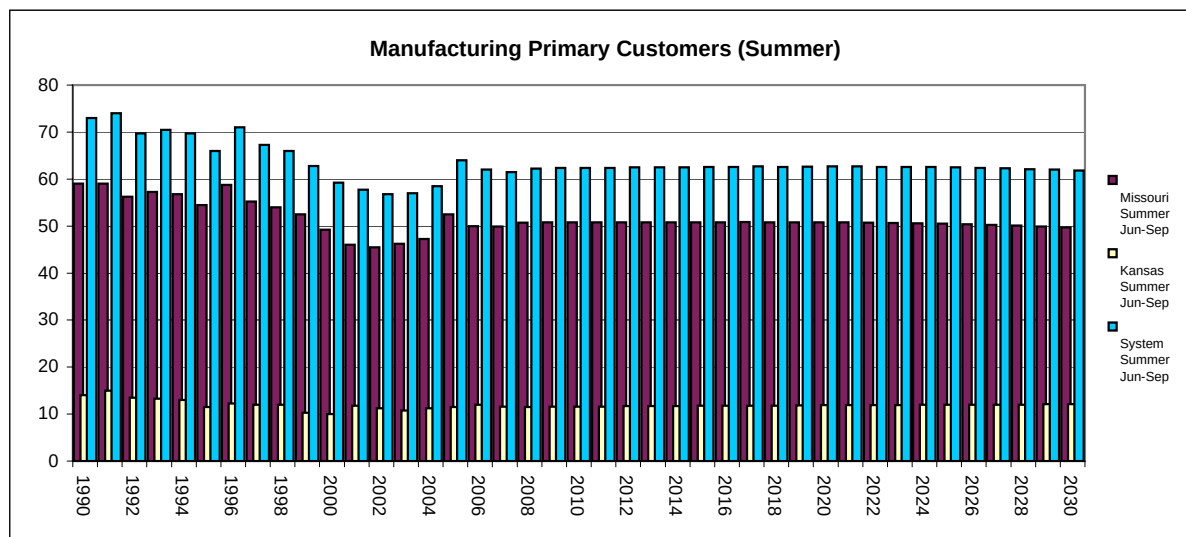
90-'06	0.2%	0.5%	0.5%	2.6%	2.6%	2.6%	1.2%	1.4%	1.4%
07-'10	0.4%	1.3%	1.4%	1.9%	1.9%	1.9%	1.1%	1.6%	1.6%
10-'15	0.5%	1.0%	1.0%	1.7%	1.7%	1.7%	1.0%	1.3%	1.3%
15-'20	0.5%	0.7%	0.7%	1.4%	1.4%	1.4%	0.9%	1.0%	1.0%
20-'25	0.4%	0.4%	0.4%	1.1%	1.1%	1.1%	0.8%	0.8%	0.8%
25-'30	0.3%	0.3%	0.3%	0.8%	0.8%	0.8%	0.6%	0.5%	0.5%
07-'30	0.4%	0.7%	0.7%	1.3%	1.3%	1.3%	0.9%	1.0%	1.0%



Plot H-5 Missouri & Kansas Manufacturing Primary Customers

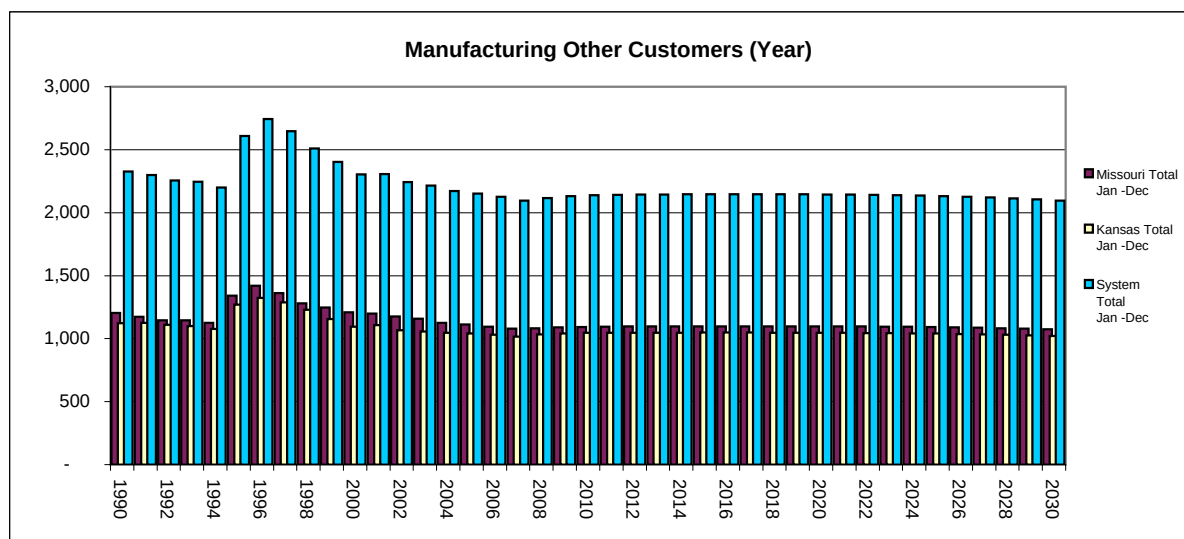
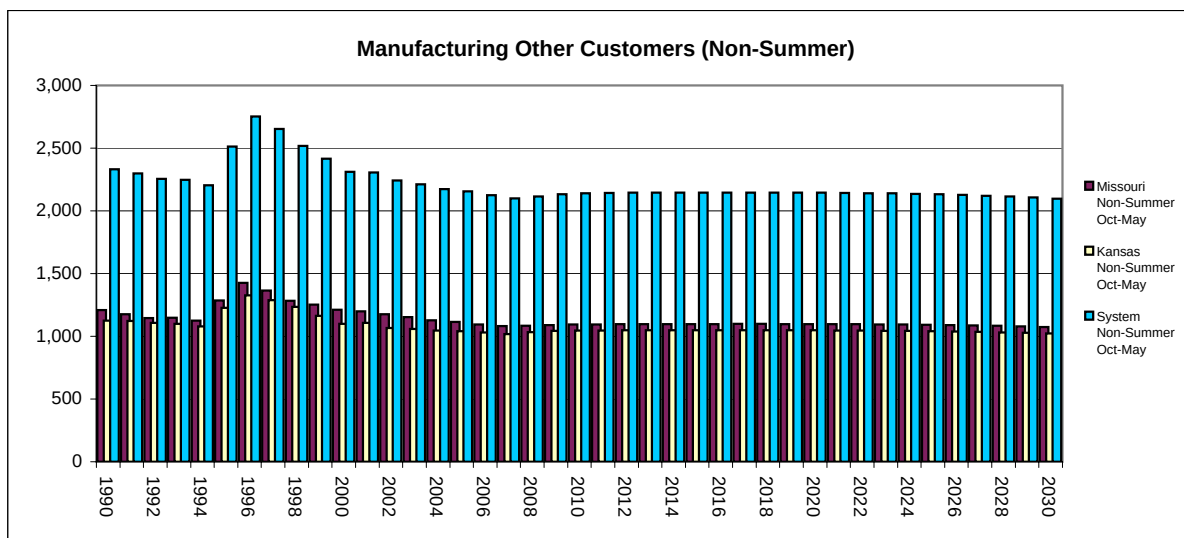
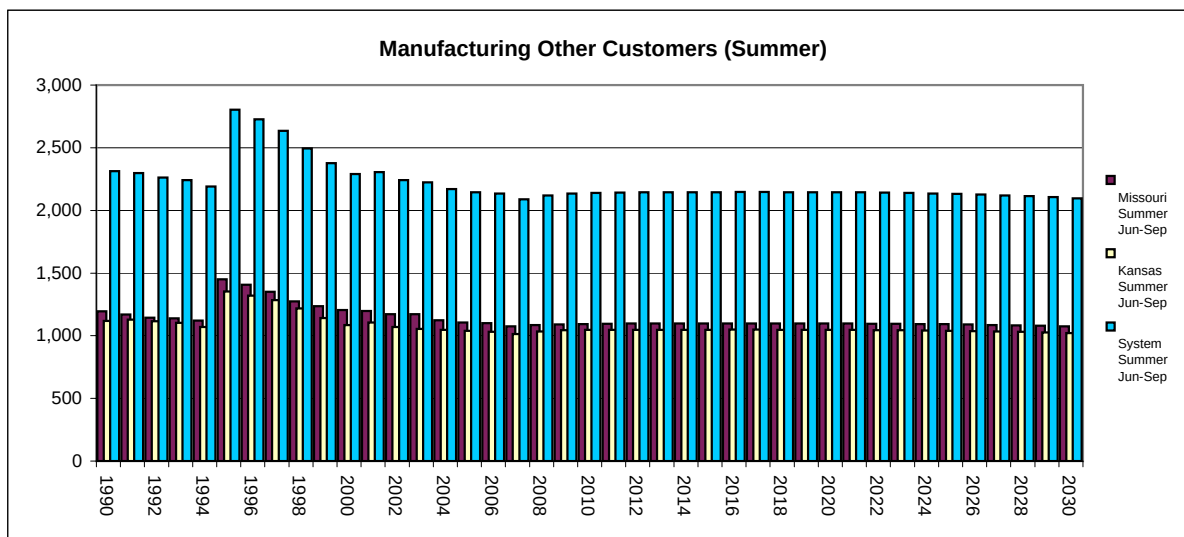
Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	59	60	59	14	15	14	73	74	74
1991	59	60	59	15	15	15	74	75	74
1992	56	58	57	14	14	14	70	72	71
1993	57	58	58	13	14	14	71	72	72
1994	57	57	57	13	14	14	70	71	71
1995	55	57	56	12	12	12	66	69	68
1996	59	58	58	12	12	12	71	70	70
1997	55	56	56	12	12	12	67	68	68
1998	54	53	54	12	12	12	66	65	65
1999	53	54	53	10	11	11	63	65	64
2000	49	49	49	10	11	11	59	60	60
2001	46	48	47	12	11	11	58	58	58
2002	46	47	46	11	11	11	57	58	57
2003	46	46	46	11	11	11	57	57	57
2004	47	48	48	11	11	11	59	60	59
2005	53	49	50	12	11	11	64	61	62
2006	50	50	50	12	12	12	62	62	62
2007	50	50	50	12	12	12	62	62	62
2008	51	51	51	12	12	12	62	62	62
2009	51	51	51	12	12	12	62	62	62
2010	51	51	51	12	12	12	62	62	62
2011	51	51	51	12	12	12	62	62	62
2012	51	51	51	12	12	12	63	63	63
2013	51	51	51	12	12	12	63	63	63
2014	51	51	51	12	12	12	63	63	63
2015	51	51	51	12	12	12	63	63	63
2016	51	51	51	12	12	12	63	63	63
2017	51	51	51	12	12	12	63	63	63
2018	51	51	51	12	12	12	63	63	63
2019	51	51	51	12	12	12	63	63	63
2020	51	51	51	12	12	12	63	63	63
2021	51	51	51	12	12	12	63	63	63
2022	51	51	51	12	12	12	63	63	63
2023	51	51	51	12	12	12	63	63	63
2024	51	51	51	12	12	12	63	63	63
2025	51	51	51	12	12	12	63	63	63
2026	50	50	50	12	12	12	62	62	62
2027	50	50	50	12	12	12	62	62	62
2028	50	50	50	12	12	12	62	62	62
2029	50	50	50	12	12	12	62	62	62
2030	50	50	50	12	12	12	62	62	62

90-'06	-1.0%	-1.1%	-1.0%	-1.0%	-1.2%	-1.1%	-1.0%	-1.1%	-1.1%
07-'10	0.6%	0.5%	0.5%	0.1%	-0.6%	-0.4%	0.5%	0.3%	0.4%
10-'15	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.1%	0.0%	0.1%
15-'20	0.0%	0.0%	0.0%	0.2%	0.3%	0.2%	0.0%	0.0%	0.0%
20-'25	-0.1%	-0.1%	-0.1%	0.2%	0.2%	0.2%	-0.1%	-0.1%	-0.1%
25-'30	-0.3%	-0.3%	-0.3%	0.2%	0.2%	0.2%	-0.2%	-0.2%	-0.2%
07-'30	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%



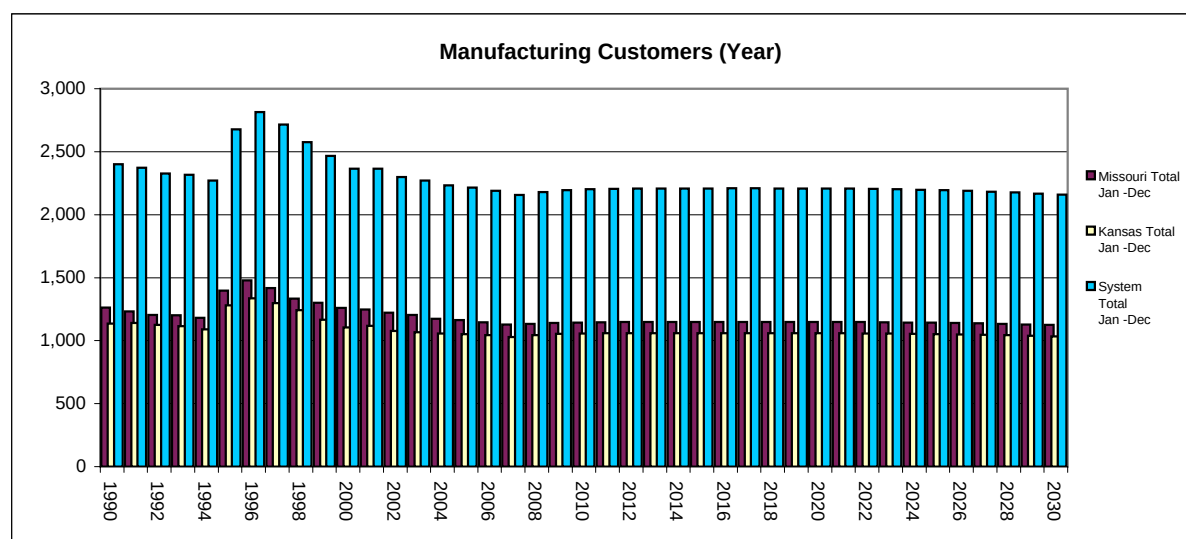
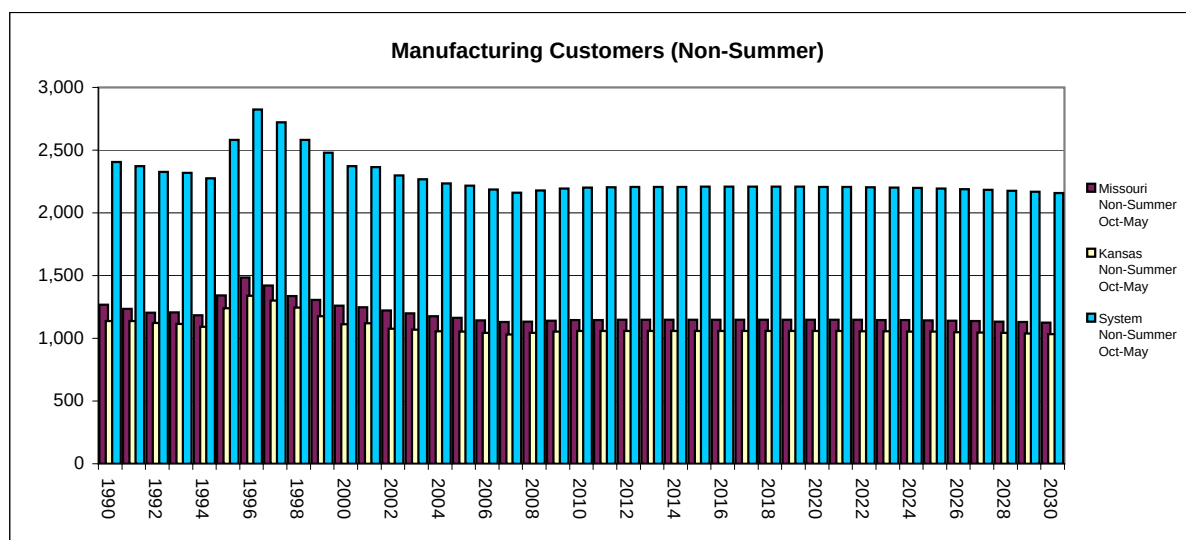
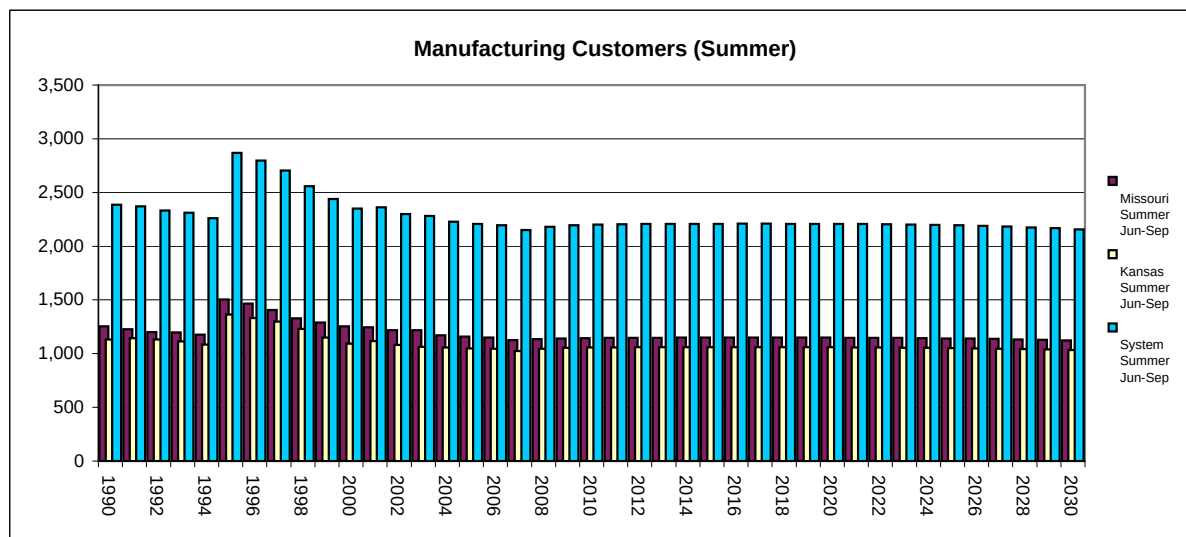
Plot H-6 Missouri & Kansas Manufacturing Other Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	1,196	1,208	1,204	1,118	1,124	1,122	2,314	2,332	2,326
1991	1,170	1,175	1,173	1,129	1,122	1,124	2,298	2,298	2,298
1992	1,145	1,147	1,146	1,117	1,108	1,111	2,262	2,254	2,257
1993	1,139	1,148	1,145	1,102	1,100	1,101	2,241	2,248	2,246
1994	1,120	1,126	1,124	1,070	1,079	1,076	2,191	2,205	2,200
1995	1,450	1,285	1,340	1,354	1,227	1,269	2,804	2,512	2,609
1996	1,407	1,427	1,420	1,319	1,327	1,324	2,726	2,753	2,744
1997	1,351	1,366	1,361	1,285	1,288	1,287	2,636	2,654	2,648
1998	1,274	1,284	1,280	1,219	1,234	1,229	2,493	2,518	2,510
1999	1,237	1,251	1,247	1,141	1,164	1,156	2,378	2,415	2,403
2000	1,206	1,212	1,210	1,085	1,101	1,095	2,291	2,312	2,305
2001	1,199	1,199	1,199	1,106	1,108	1,107	2,305	2,307	2,306
2002	1,172	1,176	1,175	1,070	1,065	1,067	2,242	2,242	2,242
2003	1,171	1,153	1,159	1,054	1,058	1,056	2,224	2,211	2,215
2004	1,123	1,129	1,127	1,047	1,046	1,046	2,170	2,174	2,173
2005	1,106	1,115	1,112	1,038	1,042	1,040	2,144	2,156	2,152
2006	1,101	1,094	1,096	1,033	1,031	1,031	2,134	2,124	2,127
2007	1,075	1,080	1,079	1,014	1,019	1,017	2,089	2,099	2,096
2008	1,084	1,083	1,083	1,035	1,032	1,033	2,119	2,115	2,116
2009	1,090	1,089	1,090	1,043	1,042	1,043	2,133	2,132	2,132
2010	1,094	1,093	1,094	1,046	1,046	1,046	2,140	2,139	2,140
2011	1,096	1,095	1,095	1,047	1,047	1,047	2,143	2,142	2,143
2012	1,097	1,097	1,097	1,048	1,048	1,048	2,144	2,144	2,144
2013	1,097	1,097	1,097	1,047	1,048	1,048	2,145	2,145	2,145
2014	1,098	1,098	1,098	1,048	1,048	1,048	2,145	2,145	2,145
2015	1,098	1,098	1,098	1,048	1,048	1,048	2,146	2,146	2,146
2016	1,098	1,098	1,098	1,048	1,048	1,048	2,146	2,146	2,146
2017	1,098	1,098	1,098	1,048	1,048	1,048	2,147	2,146	2,147
2018	1,098	1,098	1,098	1,047	1,048	1,048	2,145	2,146	2,146
2019	1,098	1,098	1,098	1,048	1,048	1,048	2,146	2,146	2,146
2020	1,098	1,098	1,098	1,047	1,047	1,047	2,145	2,145	2,145
2021	1,097	1,097	1,097	1,046	1,046	1,046	2,143	2,144	2,144
2022	1,096	1,096	1,096	1,045	1,045	1,045	2,141	2,142	2,142
2023	1,095	1,095	1,095	1,044	1,044	1,044	2,139	2,139	2,139
2024	1,094	1,094	1,094	1,042	1,042	1,042	2,136	2,136	2,136
2025	1,092	1,092	1,092	1,040	1,040	1,040	2,132	2,132	2,132
2026	1,089	1,090	1,089	1,037	1,038	1,038	2,127	2,127	2,127
2027	1,086	1,087	1,087	1,034	1,035	1,034	2,120	2,121	2,121
2028	1,083	1,083	1,083	1,031	1,031	1,031	2,113	2,114	2,114
2029	1,079	1,079	1,079	1,027	1,027	1,027	2,105	2,106	2,106
2030	1,074	1,075	1,074	1,022	1,022	1,022	2,096	2,097	2,096
90-'06	-0.5%	-0.6%	-0.6%	-0.5%	-0.5%	-0.5%	-0.5%	-0.6%	-0.6%
07-'10	0.6%	0.4%	0.5%	1.1%	0.9%	0.9%	0.8%	0.6%	0.7%
10-'15	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
25-'30	-0.3%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%	-0.3%	-0.3%	-0.3%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



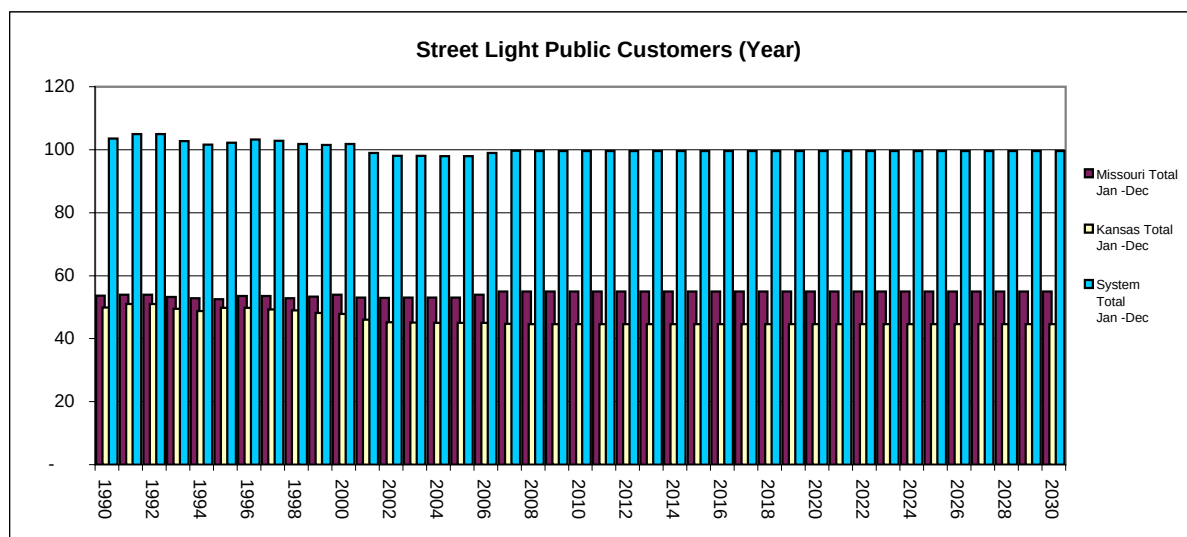
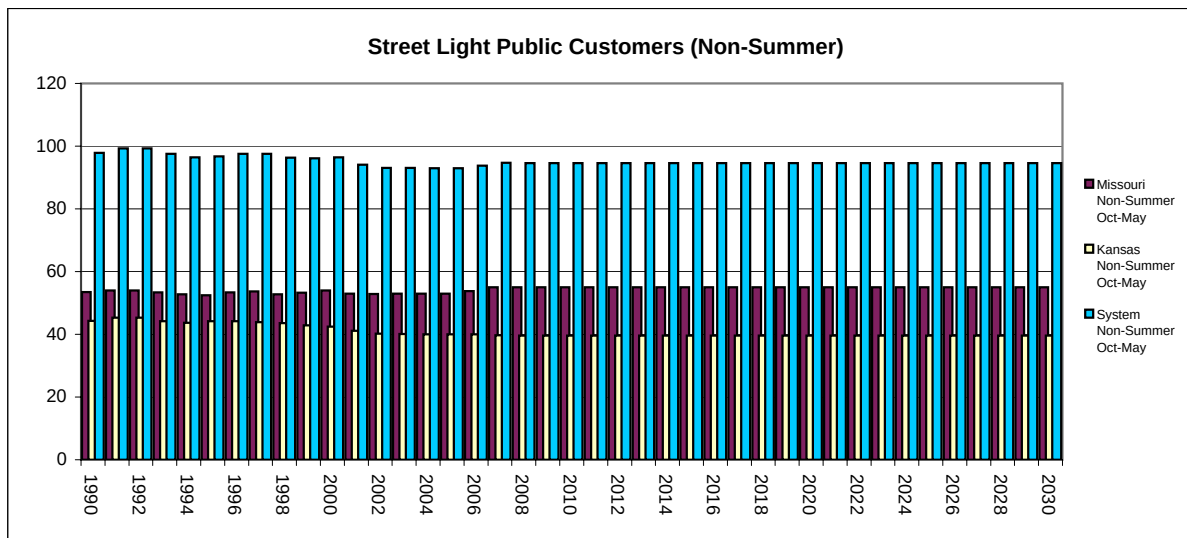
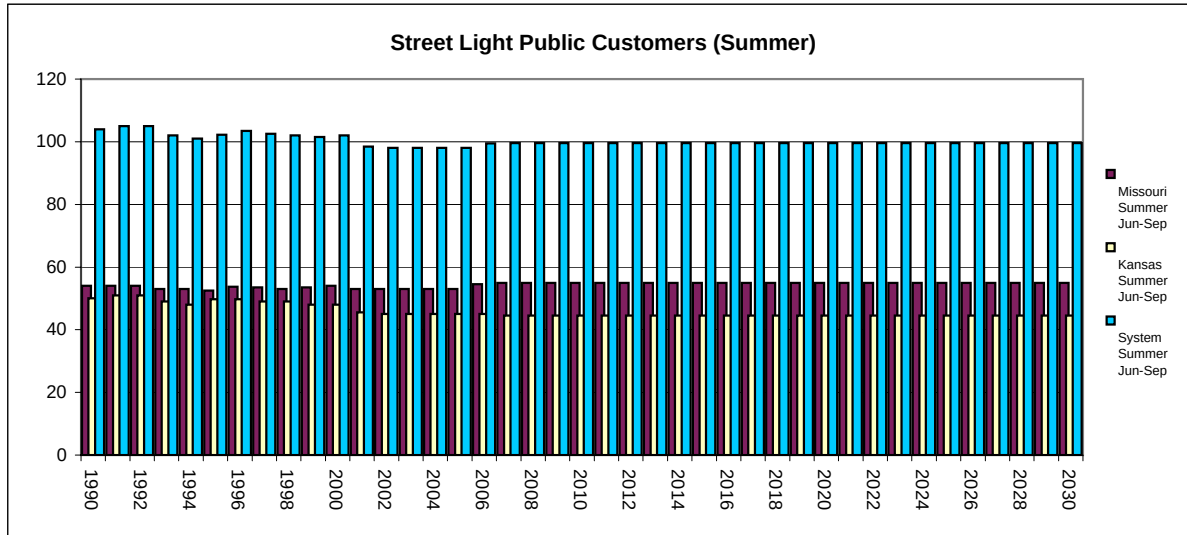
Plot H-7 Missouri & Kansas Manufacturing Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	1,255	1,268	1,263	1,132	1,139	1,137	2,387	2,406	2,400
1991	1,229	1,235	1,233	1,144	1,137	1,139	2,372	2,372	2,372
1992	1,201	1,205	1,203	1,131	1,122	1,125	2,331	2,326	2,328
1993	1,197	1,206	1,203	1,115	1,115	1,115	2,312	2,320	2,317
1994	1,177	1,183	1,181	1,083	1,093	1,090	2,260	2,276	2,271
1995	1,504	1,343	1,396	1,366	1,239	1,281	2,870	2,581	2,677
1996	1,465	1,485	1,478	1,332	1,338	1,336	2,797	2,823	2,814
1997	1,406	1,422	1,417	1,297	1,300	1,299	2,703	2,722	2,716
1998	1,328	1,337	1,334	1,231	1,246	1,241	2,559	2,583	2,575
1999	1,290	1,305	1,300	1,151	1,175	1,167	2,440	2,480	2,467
2000	1,256	1,261	1,259	1,095	1,112	1,106	2,350	2,373	2,365
2001	1,245	1,247	1,246	1,118	1,119	1,118	2,363	2,366	2,365
2002	1,218	1,223	1,221	1,082	1,077	1,078	2,299	2,299	2,299
2003	1,217	1,199	1,205	1,064	1,069	1,067	2,281	2,267	2,272
2004	1,170	1,177	1,175	1,058	1,057	1,057	2,228	2,234	2,232
2005	1,158	1,164	1,162	1,050	1,053	1,052	2,208	2,217	2,214
2006	1,151	1,144	1,146	1,045	1,043	1,043	2,196	2,186	2,190
2007	1,125	1,130	1,129	1,026	1,030	1,029	2,151	2,161	2,157
2008	1,135	1,134	1,134	1,046	1,044	1,045	2,181	2,177	2,179
2009	1,141	1,140	1,140	1,055	1,054	1,054	2,196	2,194	2,195
2010	1,145	1,144	1,144	1,058	1,057	1,058	2,202	2,202	2,202
2011	1,146	1,146	1,146	1,059	1,059	1,059	2,205	2,205	2,205
2012	1,148	1,147	1,147	1,059	1,059	1,059	2,207	2,207	2,207
2013	1,148	1,148	1,148	1,059	1,059	1,059	2,207	2,207	2,207
2014	1,148	1,148	1,148	1,060	1,059	1,059	2,208	2,208	2,208
2015	1,149	1,149	1,149	1,060	1,060	1,060	2,208	2,208	2,208
2016	1,149	1,149	1,149	1,060	1,060	1,060	2,209	2,209	2,209
2017	1,149	1,149	1,149	1,060	1,060	1,060	2,209	2,209	2,209
2018	1,149	1,149	1,149	1,059	1,060	1,060	2,208	2,209	2,209
2019	1,149	1,149	1,149	1,059	1,059	1,059	2,208	2,208	2,208
2020	1,149	1,149	1,149	1,059	1,059	1,059	2,208	2,208	2,208
2021	1,148	1,148	1,148	1,058	1,058	1,058	2,206	2,206	2,206
2022	1,147	1,147	1,147	1,057	1,057	1,057	2,204	2,204	2,204
2023	1,146	1,146	1,146	1,056	1,056	1,056	2,201	2,202	2,202
2024	1,144	1,144	1,144	1,054	1,054	1,054	2,198	2,199	2,198
2025	1,142	1,142	1,142	1,052	1,052	1,052	2,194	2,195	2,195
2026	1,140	1,140	1,140	1,049	1,050	1,050	2,189	2,190	2,189
2027	1,137	1,137	1,137	1,046	1,047	1,046	2,183	2,183	2,183
2028	1,133	1,133	1,133	1,043	1,043	1,043	2,175	2,176	2,176
2029	1,129	1,129	1,129	1,039	1,039	1,039	2,167	2,168	2,168
2030	1,124	1,124	1,124	1,034	1,034	1,034	2,157	2,159	2,158
90-'06	-0.5%	-0.6%	-0.6%	-0.5%	-0.6%	-0.5%	-0.5%	-0.6%	-0.6%
07-'10	0.6%	0.4%	0.5%	1.0%	0.9%	0.9%	0.8%	0.6%	0.7%
10-'15	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%
25-'30	-0.3%	-0.3%	-0.3%	-0.4%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



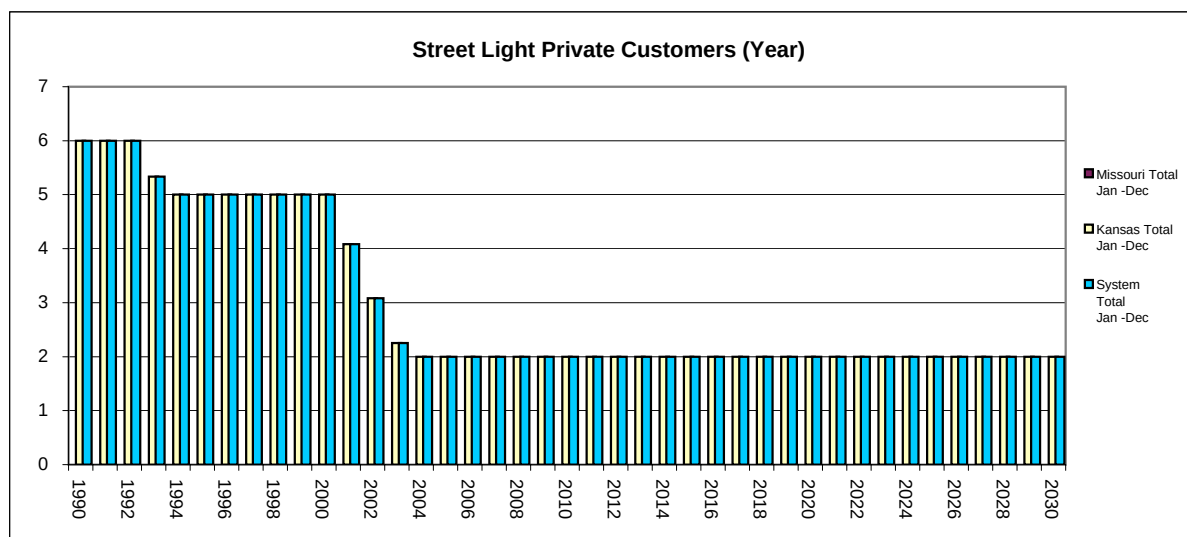
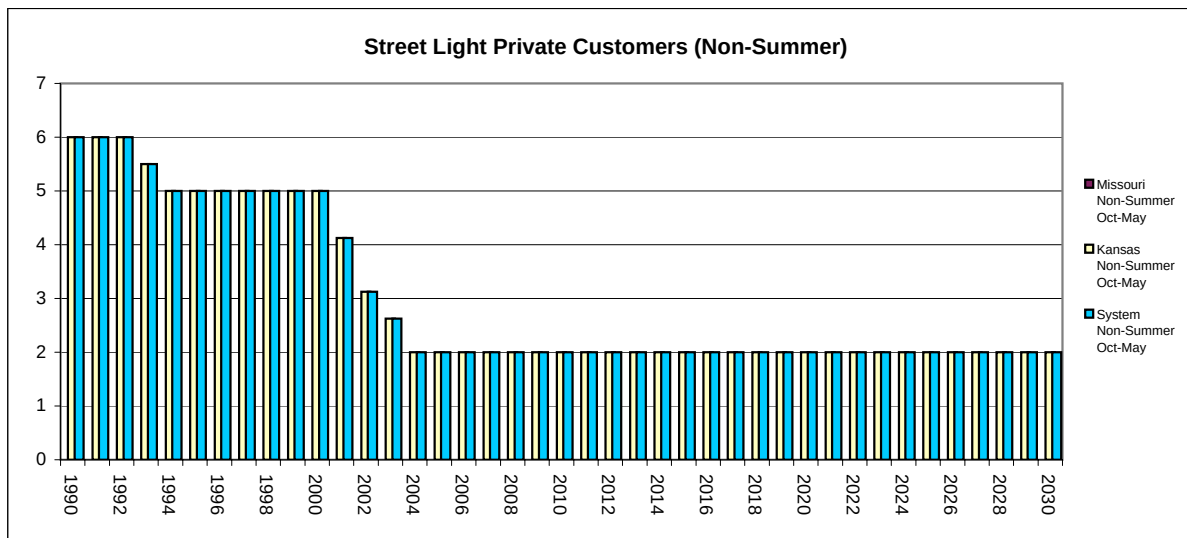
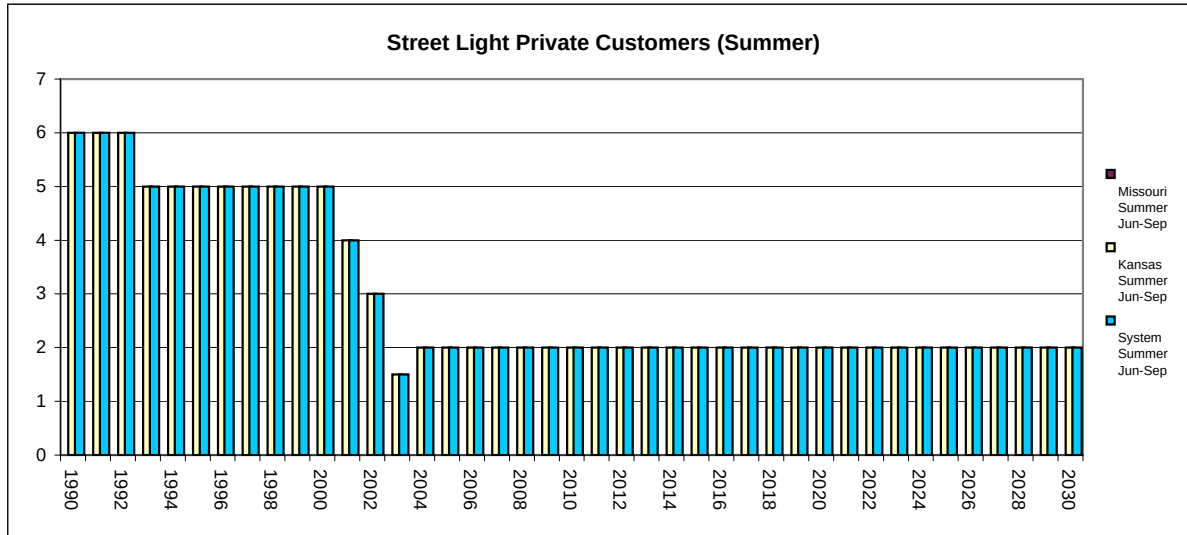
Plot H-8 Missouri & Kansas Street Light Public Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	54	54	54	50	44	50	104	98	104
1991	54	54	54	51	45	51	105	99	105
1992	54	54	54	51	45	51	105	99	105
1993	53	53	53	49	44	50	102	98	103
1994	53	53	53	48	44	49	101	96	102
1995	53	53	53	50	44	50	102	97	102
1996	54	53	54	50	44	50	104	98	103
1997	54	54	54	49	44	49	103	98	103
1998	53	53	53	49	44	49	102	96	102
1999	54	53	53	48	43	48	102	96	102
2000	54	54	54	48	42	48	102	96	102
2001	53	53	53	46	41	46	99	94	99
2002	53	53	53	45	40	45	98	93	98
2003	53	53	53	45	40	45	98	93	98
2004	53	53	53	45	40	45	98	93	98
2005	53	53	53	45	40	45	98	93	98
2006	55	54	54	45	40	45	100	94	99
2007	55	55	55	45	40	45	100	95	100
2008	55	55	55	45	40	45	100	95	100
2009	55	55	55	45	40	45	100	95	100
2010	55	55	55	45	40	45	100	95	100
2011	55	55	55	45	40	45	100	95	100
2012	55	55	55	45	40	45	100	95	100
2013	55	55	55	45	40	45	100	95	100
2014	55	55	55	45	40	45	100	95	100
2015	55	55	55	45	40	45	100	95	100
2016	55	55	55	45	40	45	100	95	100
2017	55	55	55	45	40	45	100	95	100
2018	55	55	55	45	40	45	100	95	100
2019	55	55	55	45	40	45	100	95	100
2020	55	55	55	45	40	45	100	95	100
2021	55	55	55	45	40	45	100	95	100
2022	55	55	55	45	40	45	100	95	100
2023	55	55	55	45	40	45	100	95	100
2024	55	55	55	45	40	45	100	95	100
2025	55	55	55	45	40	45	100	95	100
2026	55	55	55	45	40	45	100	95	100
2027	55	55	55	45	40	45	100	95	100
2028	55	55	55	45	40	45	100	95	100
2029	55	55	55	45	40	45	100	95	100
2030	55	55	55	45	40	45	100	95	100
90-'06	0.1%	0.0%	0.0%	-0.7%	-0.6%	-0.6%	-0.3%	-0.3%	-0.3%
07-'10	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



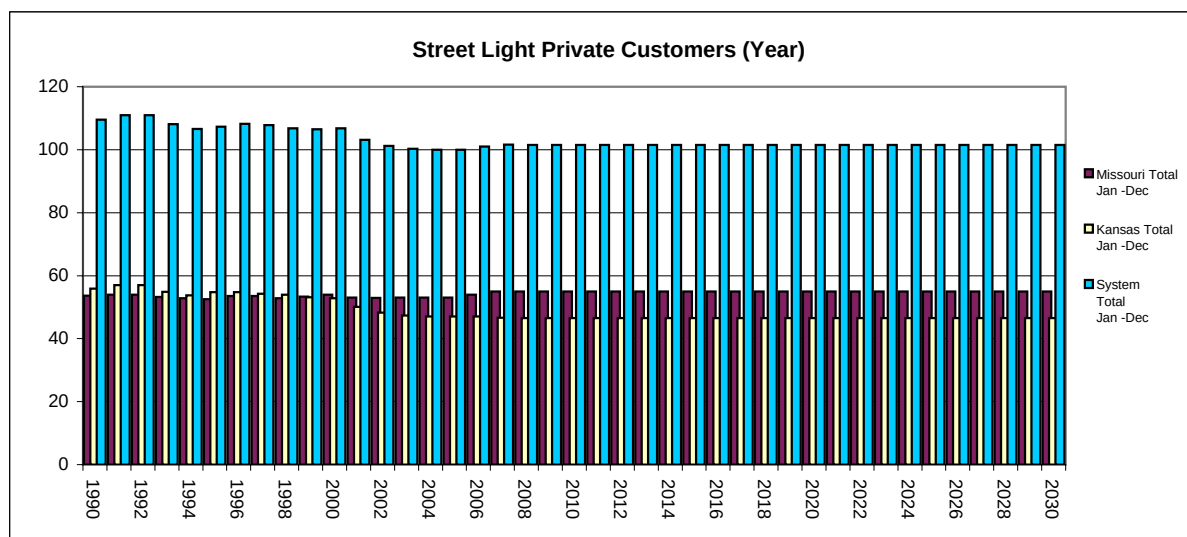
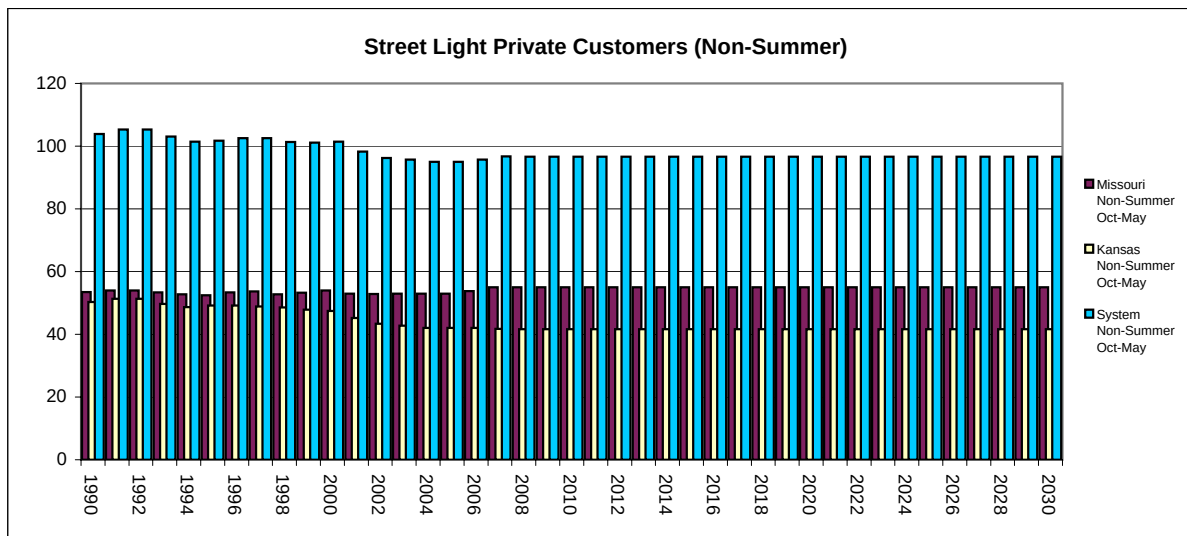
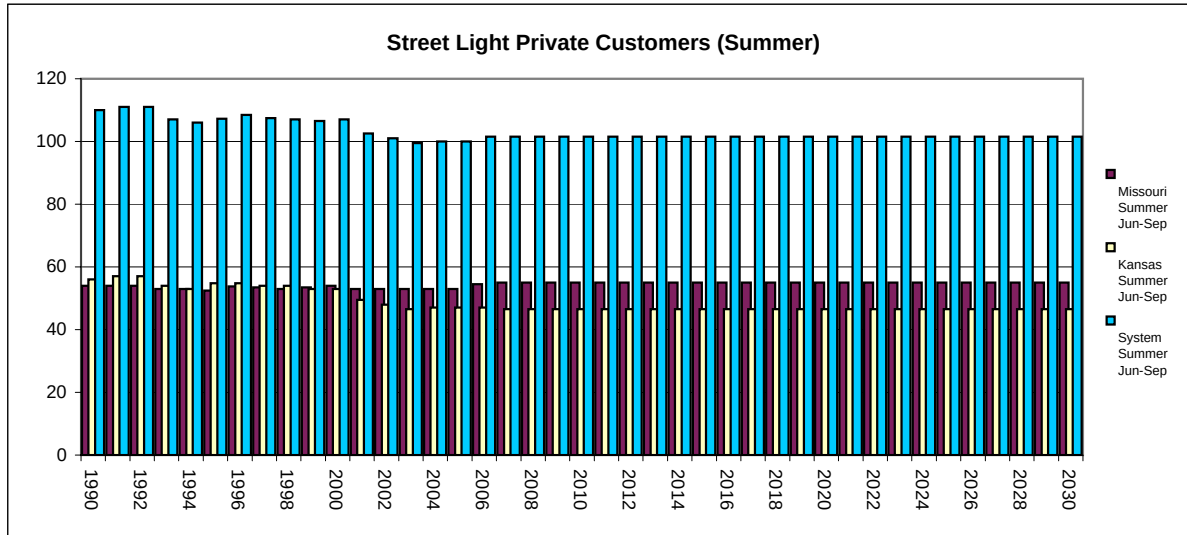
Plot H-9 Missouri & Kansas Street Light Private Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	0	0	0	6	6	6	6	6	6
1991	0	0	0	6	6	6	6	6	6
1992	0	0	0	6	6	6	6	6	6
1993	0	0	0	5	6	5	5	6	5
1994	0	0	0	5	5	5	5	5	5
1995	0	0	0	5	5	5	5	5	5
1996	0	0	0	5	5	5	5	5	5
1997	0	0	0	5	5	5	5	5	5
1998	0	0	0	5	5	5	5	5	5
1999	0	0	0	5	5	5	5	5	5
2000	0	0	0	5	5	5	5	5	5
2001	0	0	0	4	4	4	4	4	4
2002	0	0	0	3	3	3	3	3	3
2003	0	0	0	2	3	2	2	3	2
2004	0	0	0	2	2	2	2	2	2
2005	0	0	0	2	2	2	2	2	2
2006	0	0	0	2	2	2	2	2	2
2007	0	0	0	2	2	2	2	2	2
2008	0	0	0	2	2	2	2	2	2
2009	0	0	0	2	2	2	2	2	2
2010	0	0	0	2	2	2	2	2	2
2011	0	0	0	2	2	2	2	2	2
2012	0	0	0	2	2	2	2	2	2
2013	0	0	0	2	2	2	2	2	2
2014	0	0	0	2	2	2	2	2	2
2015	0	0	0	2	2	2	2	2	2
2016	0	0	0	2	2	2	2	2	2
2017	0	0	0	2	2	2	2	2	2
2018	0	0	0	2	2	2	2	2	2
2019	0	0	0	2	2	2	2	2	2
2020	0	0	0	2	2	2	2	2	2
2021	0	0	0	2	2	2	2	2	2
2022	0	0	0	2	2	2	2	2	2
2023	0	0	0	2	2	2	2	2	2
2024	0	0	0	2	2	2	2	2	2
2025	0	0	0	2	2	2	2	2	2
2026	0	0	0	2	2	2	2	2	2
2027	0	0	0	2	2	2	2	2	2
2028	0	0	0	2	2	2	2	2	2
2029	0	0	0	2	2	2	2	2	2
2030	0	0	0	2	2	2	2	2	2
90-'06	0.0%	0.0%	0.0%	-6.6%	-6.6%	-6.6%	-6.6%	-6.6%	-6.6%
07-'10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



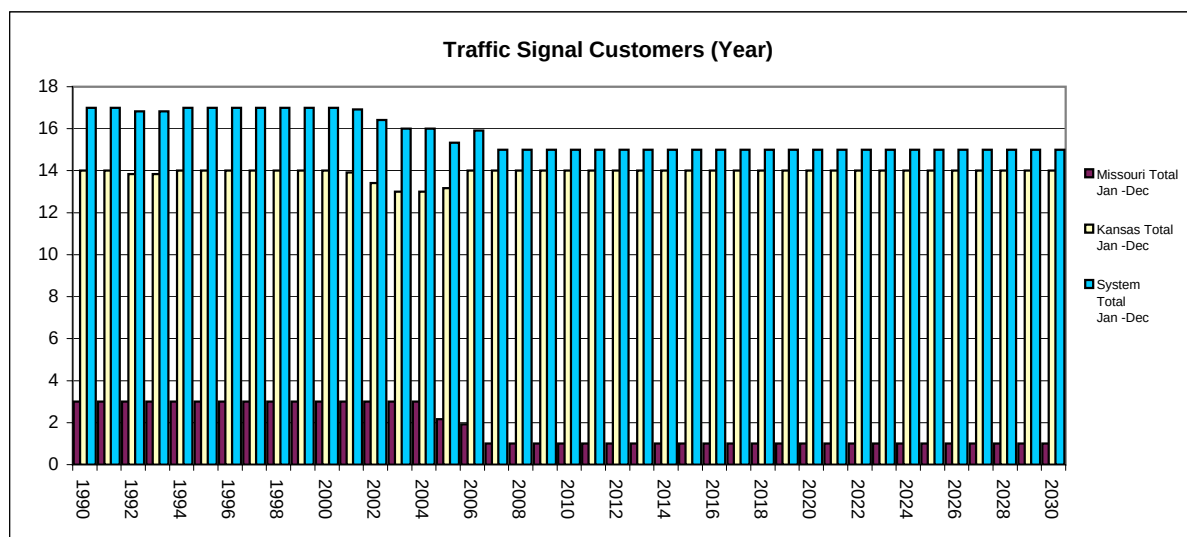
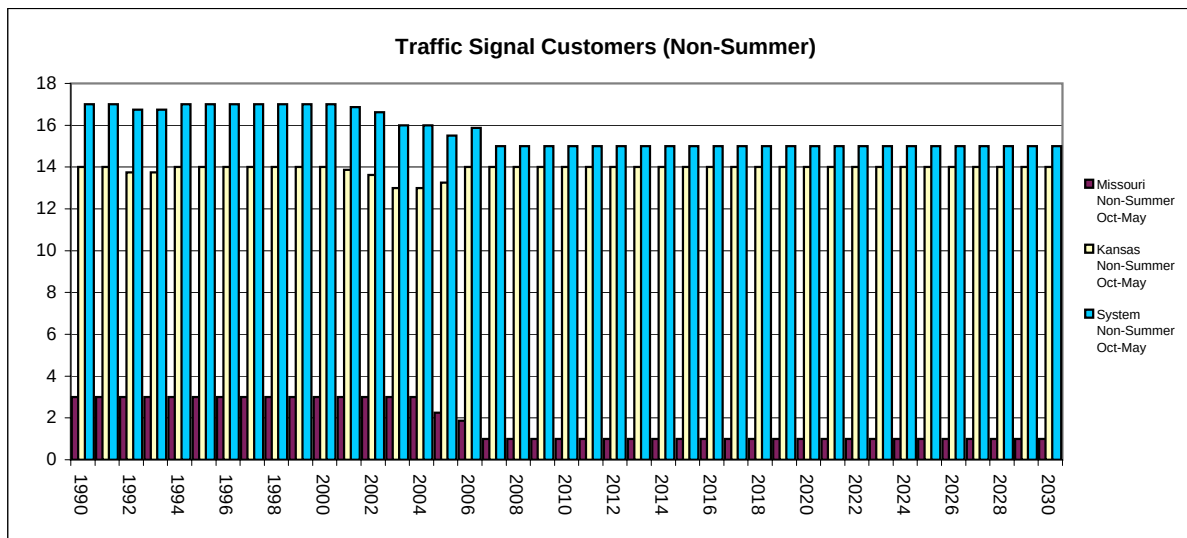
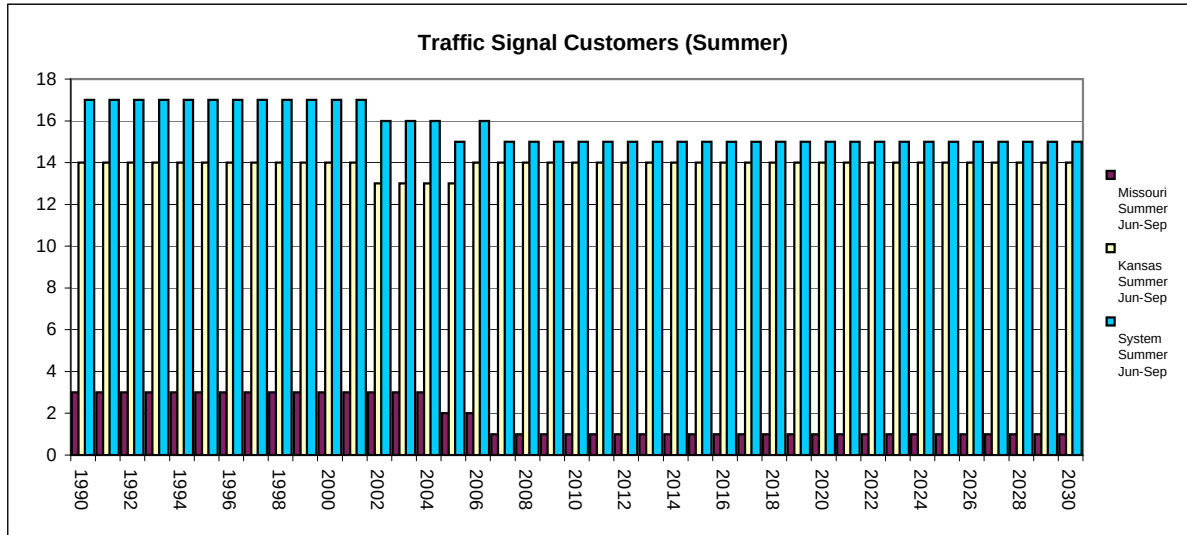
Plot H-10 Missouri & Kansas Street Light Private Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	54	54	54	56	50	56	110	104	110
1991	54	54	54	57	51	57	111	105	111
1992	54	54	54	57	51	57	111	105	111
1993	53	53	53	54	50	55	107	103	108
1994	53	53	53	53	49	54	106	101	107
1995	53	53	53	55	49	55	107	102	107
1996	54	53	54	55	49	55	109	103	108
1997	54	54	54	54	49	54	108	103	108
1998	53	53	53	54	49	54	107	101	107
1999	54	53	53	53	48	53	107	101	107
2000	54	54	54	53	47	53	107	101	107
2001	53	53	53	50	45	50	103	98	103
2002	53	53	53	48	43	48	101	96	101
2003	53	53	53	47	43	47	100	96	100
2004	53	53	53	47	42	47	100	95	100
2005	53	53	53	47	42	47	100	95	100
2006	55	54	54	47	42	47	102	96	101
2007	55	55	55	47	42	47	102	97	102
2008	55	55	55	47	42	47	102	97	102
2009	55	55	55	47	42	47	102	97	102
2010	55	55	55	47	42	47	102	97	102
2011	55	55	55	47	42	47	102	97	102
2012	55	55	55	47	42	47	102	97	102
2013	55	55	55	47	42	47	102	97	102
2014	55	55	55	47	42	47	102	97	102
2015	55	55	55	47	42	47	102	97	102
2016	55	55	55	47	42	47	102	97	102
2017	55	55	55	47	42	47	102	97	102
2018	55	55	55	47	42	47	102	97	102
2019	55	55	55	47	42	47	102	97	102
2020	55	55	55	47	42	47	102	97	102
2021	55	55	55	47	42	47	102	97	102
2022	55	55	55	47	42	47	102	97	102
2023	55	55	55	47	42	47	102	97	102
2024	55	55	55	47	42	47	102	97	102
2025	55	55	55	47	42	47	102	97	102
2026	55	55	55	47	42	47	102	97	102
2027	55	55	55	47	42	47	102	97	102
2028	55	55	55	47	42	47	102	97	102
2029	55	55	55	47	42	47	102	97	102
2030	55	55	55	47	42	47	102	97	102
90-'06	0.1%	0.0%	0.0%	-1.1%	-1.1%	-1.1%	-0.5%	-0.5%	-0.5%
07-'10	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



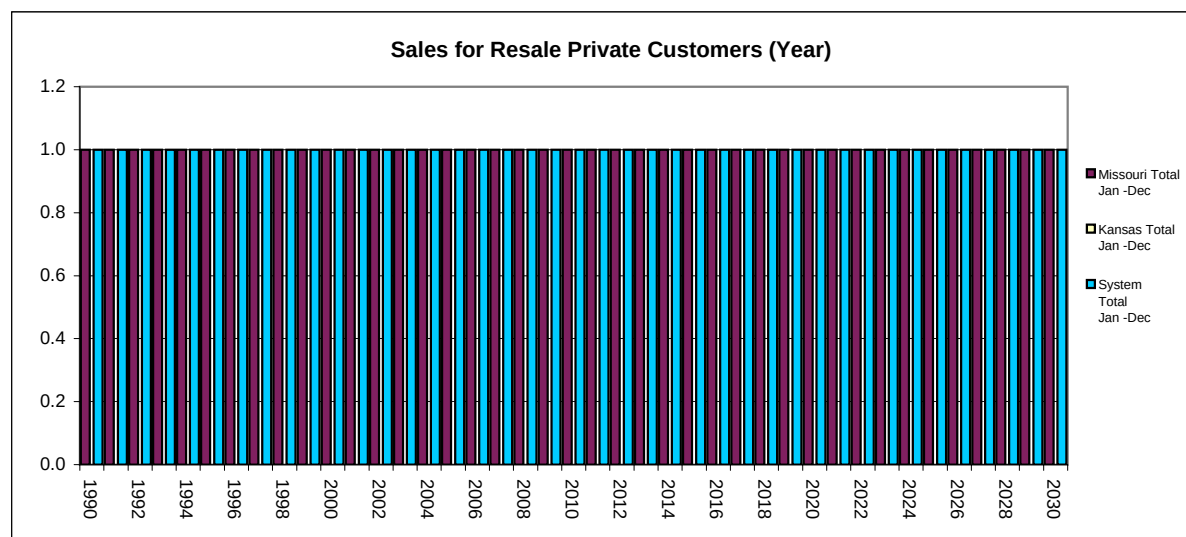
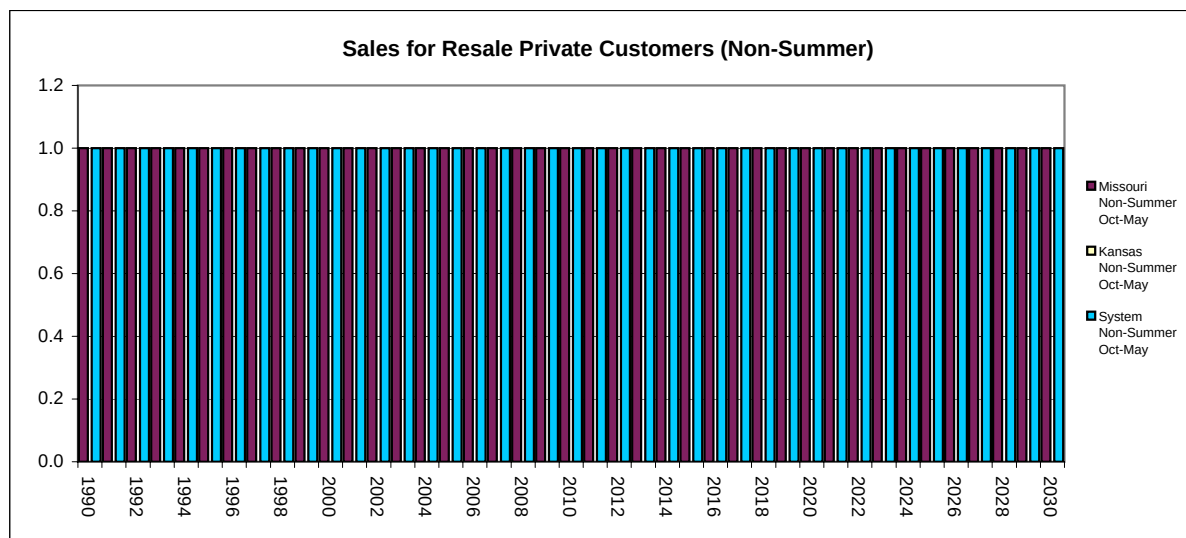
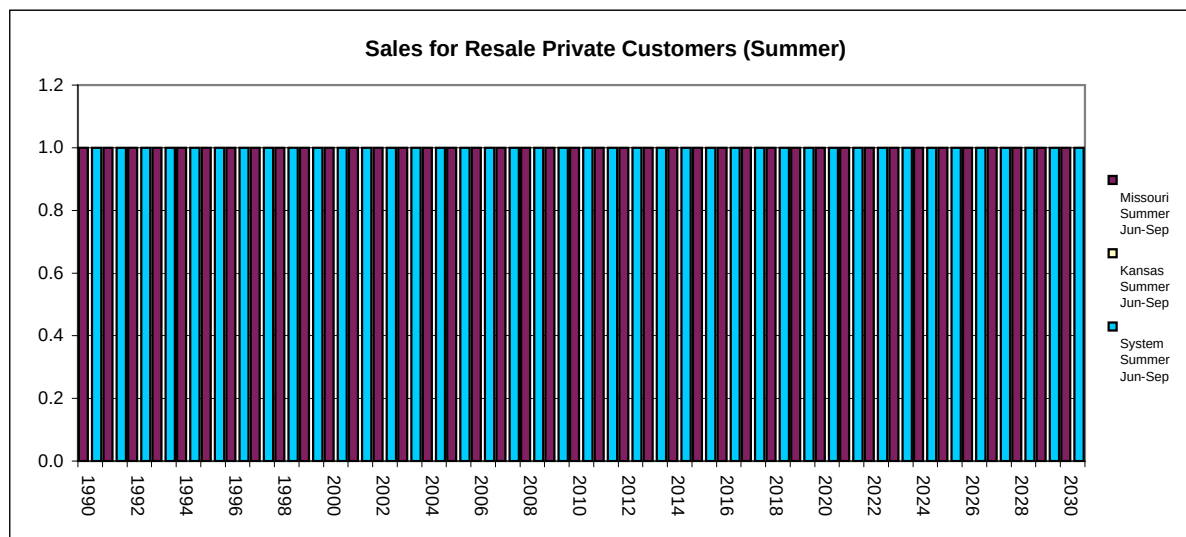
Plot H-11 Missouri & Kansas Traffic Signal Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	3	3	3	14	14	14	17	17	17
1991	3	3	3	14	14	14	17	17	17
1992	3	3	3	14	14	14	17	17	17
1993	3	3	3	14	14	14	17	17	17
1994	3	3	3	14	14	14	17	17	17
1995	3	3	3	14	14	14	17	17	17
1996	3	3	3	14	14	14	17	17	17
1997	3	3	3	14	14	14	17	17	17
1998	3	3	3	14	14	14	17	17	17
1999	3	3	3	14	14	14	17	17	17
2000	3	3	3	14	14	14	17	17	17
2001	3	3	3	14	14	14	17	17	17
2002	3	3	3	13	14	13	16	17	16
2003	3	3	3	13	13	13	16	16	16
2004	3	3	3	13	13	13	16	16	16
2005	2	2	2	13	13	13	15	16	15
2006	2	2	2	14	14	14	16	16	16
2007	1	1	1	14	14	14	15	15	15
2008	1	1	1	14	14	14	15	15	15
2009	1	1	1	14	14	14	15	15	15
2010	1	1	1	14	14	14	15	15	15
2011	1	1	1	14	14	14	15	15	15
2012	1	1	1	14	14	14	15	15	15
2013	1	1	1	14	14	14	15	15	15
2014	1	1	1	14	14	14	15	15	15
2015	1	1	1	14	14	14	15	15	15
2016	1	1	1	14	14	14	15	15	15
2017	1	1	1	14	14	14	15	15	15
2018	1	1	1	14	14	14	15	15	15
2019	1	1	1	14	14	14	15	15	15
2020	1	1	1	14	14	14	15	15	15
2021	1	1	1	14	14	14	15	15	15
2022	1	1	1	14	14	14	15	15	15
2023	1	1	1	14	14	14	15	15	15
2024	1	1	1	14	14	14	15	15	15
2025	1	1	1	14	14	14	15	15	15
2026	1	1	1	14	14	14	15	15	15
2027	1	1	1	14	14	14	15	15	15
2028	1	1	1	14	14	14	15	15	15
2029	1	1	1	14	14	14	15	15	15
2030	1	1	1	14	14	14	15	15	15
90-'06	-2.5%	-2.9%	-2.8%	0.0%	0.0%	0.0%	-0.4%	-0.4%	-0.4%
07-'10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



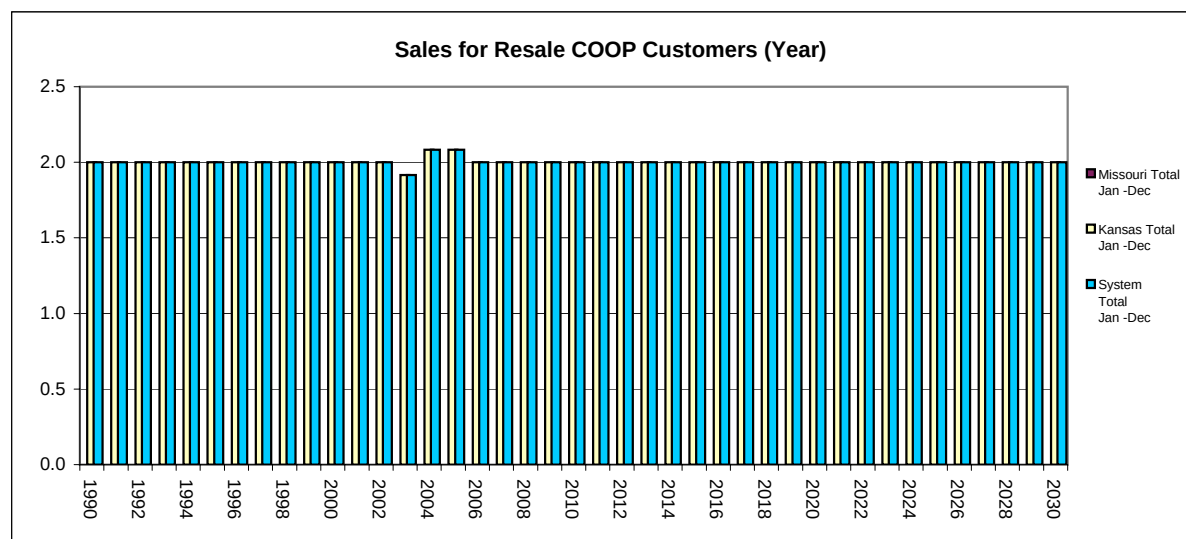
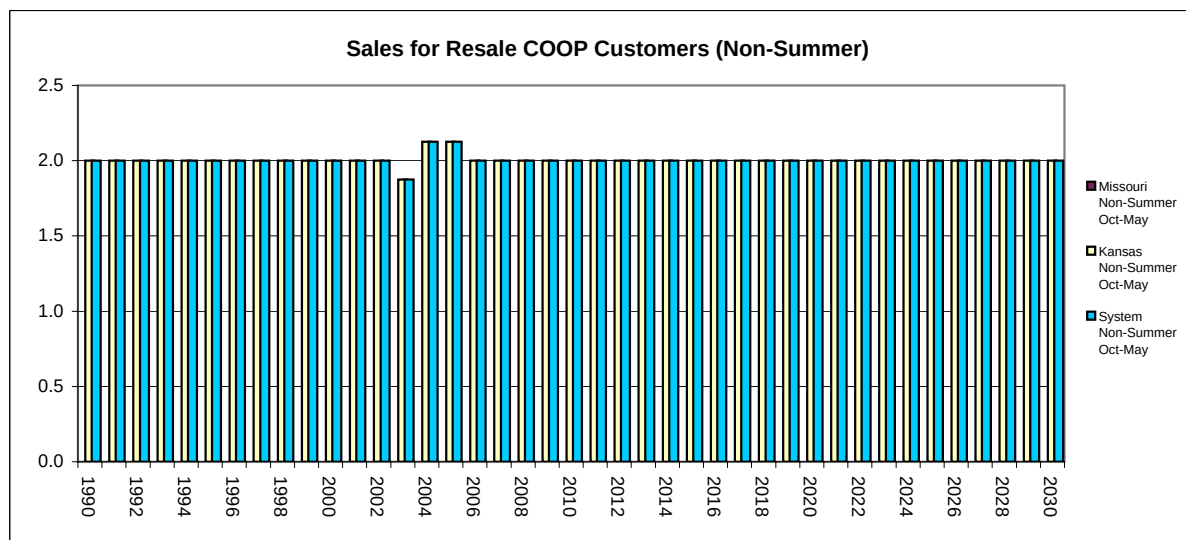
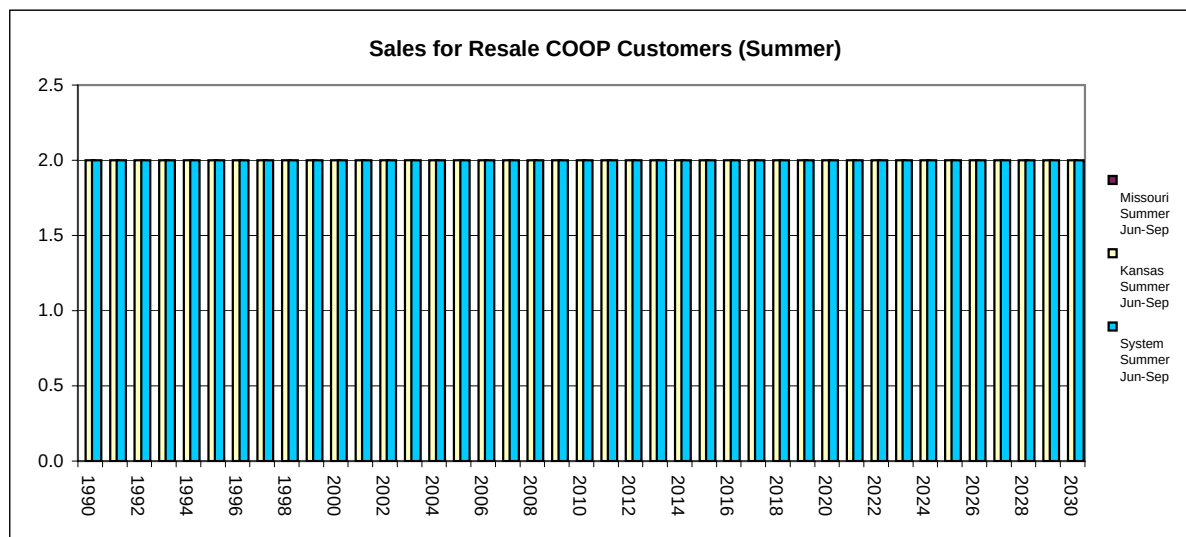
Plot H-12 Missouri & Kansas Sales for Reasle Private Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	1	1	1	0	0	0	1	1	1
1991	1	1	1	0	0	0	1	1	1
1992	1	1	1	0	0	0	1	1	1
1993	1	1	1	0	0	0	1	1	1
1994	1	1	1	0	0	0	1	1	1
1995	1	1	1	0	0	0	1	1	1
1996	1	1	1	0	0	0	1	1	1
1997	1	1	1	0	0	0	1	1	1
1998	1	1	1	0	0	0	1	1	1
1999	1	1	1	0	0	0	1	1	1
2000	1	1	1	0	0	0	1	1	1
2001	1	1	1	0	0	0	1	1	1
2002	1	1	1	0	0	0	1	1	1
2003	1	1	1	0	0	0	1	1	1
2004	1	1	1	0	0	0	1	1	1
2005	1	1	1	0	0	0	1	1	1
2006	1	1	1	0	0	0	1	1	1
2007	1	1	1	0	0	0	1	1	1
2008	1	1	1	0	0	0	1	1	1
2009	1	1	1	0	0	0	1	1	1
2010	1	1	1	0	0	0	1	1	1
2011	1	1	1	0	0	0	1	1	1
2012	1	1	1	0	0	0	1	1	1
2013	1	1	1	0	0	0	1	1	1
2014	1	1	1	0	0	0	1	1	1
2015	1	1	1	0	0	0	1	1	1
2016	1	1	1	0	0	0	1	1	1
2017	1	1	1	0	0	0	1	1	1
2018	1	1	1	0	0	0	1	1	1
2019	1	1	1	0	0	0	1	1	1
2020	1	1	1	0	0	0	1	1	1
2021	1	1	1	0	0	0	1	1	1
2022	1	1	1	0	0	0	1	1	1
2023	1	1	1	0	0	0	1	1	1
2024	1	1	1	0	0	0	1	1	1
2025	1	1	1	0	0	0	1	1	1
2026	1	1	1	0	0	0	1	1	1
2027	1	1	1	0	0	0	1	1	1
2028	1	1	1	0	0	0	1	1	1
2029	1	1	1	0	0	0	1	1	1
2030	1	1	1	0	0	0	1	1	1
90-'06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



Plot H-13 Missouri & Kansas Sales for Resale COOP Customers

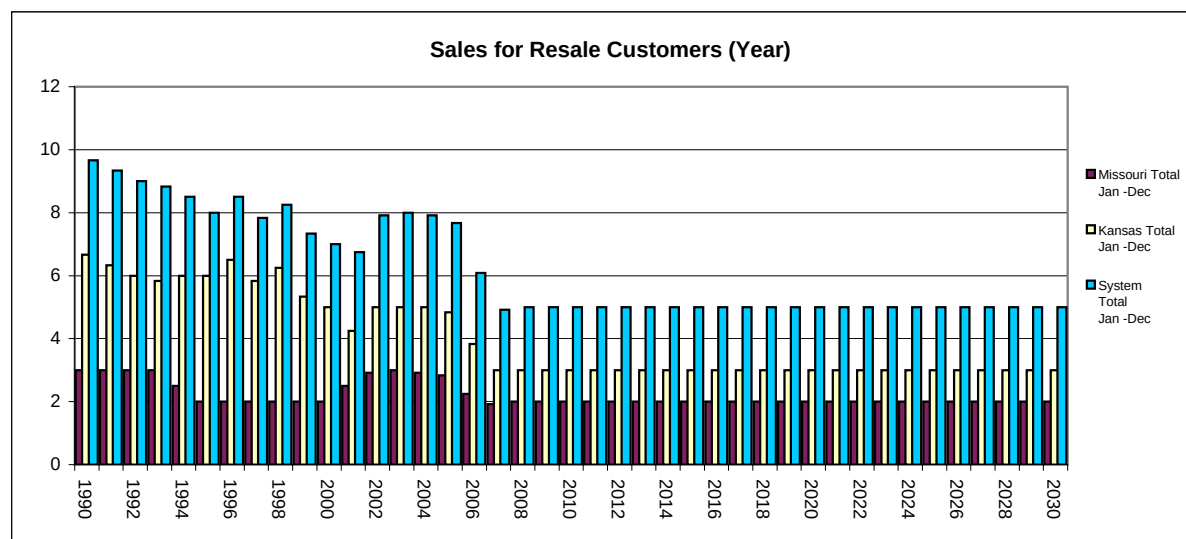
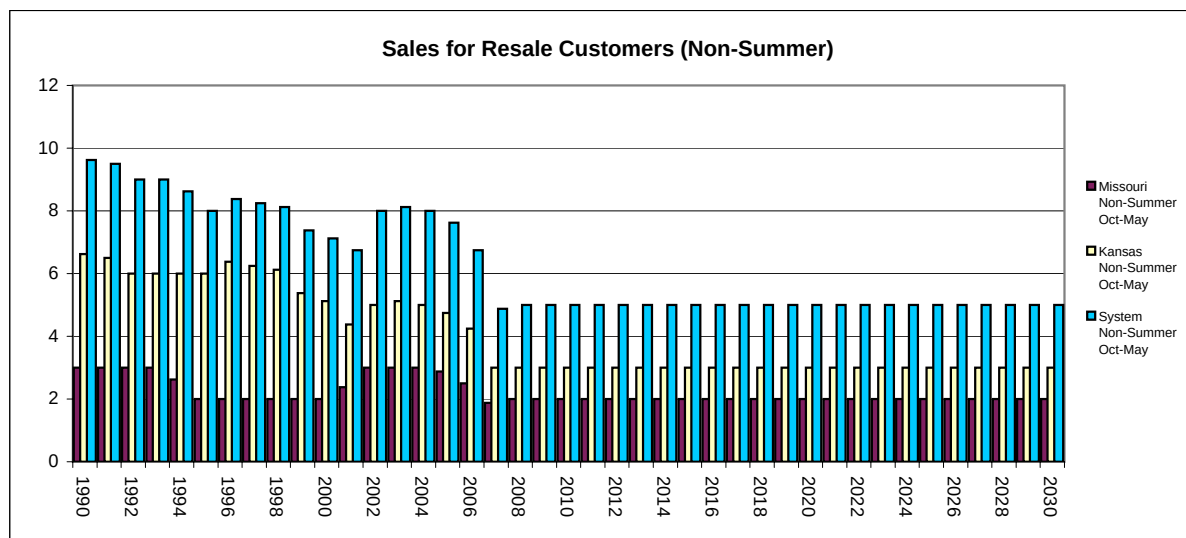
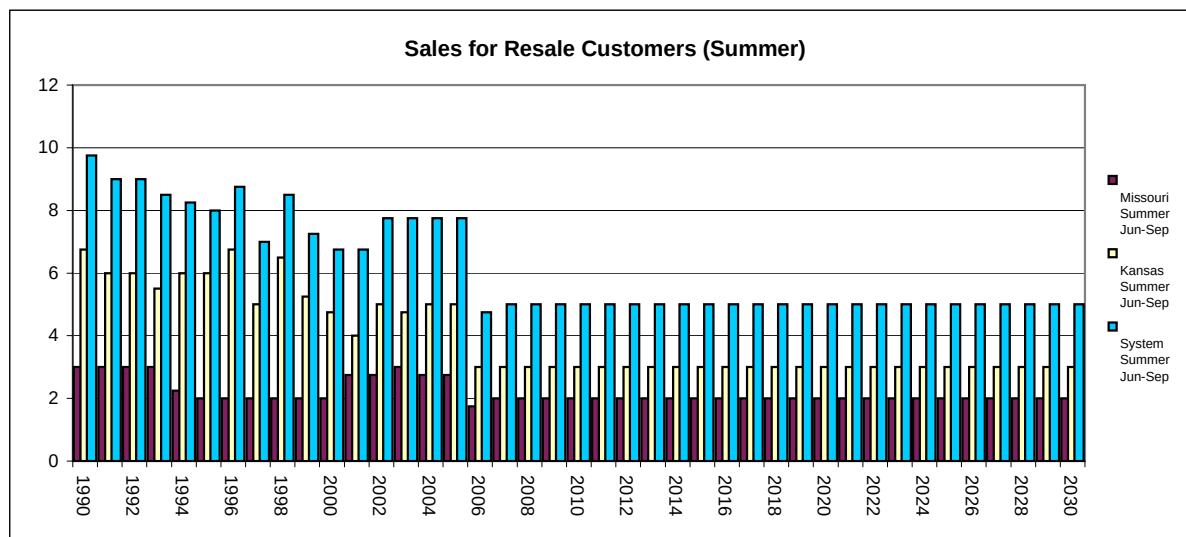
Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	0	0	0	2	2	2	2	2	2
1991	0	0	0	2	2	2	2	2	2
1992	0	0	0	2	2	2	2	2	2
1993	0	0	0	2	2	2	2	2	2
1994	0	0	0	2	2	2	2	2	2
1995	0	0	0	2	2	2	2	2	2
1996	0	0	0	2	2	2	2	2	2
1997	0	0	0	2	2	2	2	2	2
1998	0	0	0	2	2	2	2	2	2
1999	0	0	0	2	2	2	2	2	2
2000	0	0	0	2	2	2	2	2	2
2001	0	0	0	2	2	2	2	2	2
2002	0	0	0	2	2	2	2	2	2
2003	0	0	0	2	2	2	2	2	2
2004	0	0	0	2	2	2	2	2	2
2005	0	0	0	2	2	2	2	2	2
2006	0	0	0	2	2	2	2	2	2
2007	0	0	0	2	2	2	2	2	2
2008	0	0	0	2	2	2	2	2	2
2009	0	0	0	2	2	2	2	2	2
2010	0	0	0	2	2	2	2	2	2
2011	0	0	0	2	2	2	2	2	2
2012	0	0	0	2	2	2	2	2	2
2013	0	0	0	2	2	2	2	2	2
2014	0	0	0	2	2	2	2	2	2
2015	0	0	0	2	2	2	2	2	2
2016	0	0	0	2	2	2	2	2	2
2017	0	0	0	2	2	2	2	2	2
2018	0	0	0	2	2	2	2	2	2
2019	0	0	0	2	2	2	2	2	2
2020	0	0	0	2	2	2	2	2	2
2021	0	0	0	2	2	2	2	2	2
2022	0	0	0	2	2	2	2	2	2
2023	0	0	0	2	2	2	2	2	2
2024	0	0	0	2	2	2	2	2	2
2025	0	0	0	2	2	2	2	2	2
2026	0	0	0	2	2	2	2	2	2
2027	0	0	0	2	2	2	2	2	2
2028	0	0	0	2	2	2	2	2	2
2029	0	0	0	2	2	2	2	2	2
2030	0	0	0	2	2	2	2	2	2
90-'06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



Plot H-14 Missouri & Kansas Total Sale for Resale Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	3	3	3	7	7	7	10	10	10
1991	3	3	3	6	7	6	9	10	9
1992	3	3	3	6	6	6	9	9	9
1993	3	3	3	6	6	6	9	9	9
1994	2	3	3	6	6	6	8	9	9
1995	2	2	2	6	6	6	8	8	8
1996	2	2	2	7	6	7	9	8	9
1997	2	2	2	5	6	6	7	8	8
1998	2	2	2	7	6	6	9	8	8
1999	2	2	2	5	5	5	7	7	7
2000	2	2	2	5	5	5	7	7	7
2001	3	2	3	4	4	4	7	7	7
2002	3	3	3	5	5	5	8	8	8
2003	3	3	3	5	5	5	8	8	8
2004	3	3	3	5	5	5	8	8	8
2005	3	3	3	5	5	5	8	8	8
2006	2	3	2	3	4	4	5	7	6
2007	2	2	2	3	3	3	5	5	5
2008	2	2	2	3	3	3	5	5	5
2009	2	2	2	3	3	3	5	5	5
2010	2	2	2	3	3	3	5	5	5
2011	2	2	2	3	3	3	5	5	5
2012	2	2	2	3	3	3	5	5	5
2013	2	2	2	3	3	3	5	5	5
2014	2	2	2	3	3	3	5	5	5
2015	2	2	2	3	3	3	5	5	5
2016	2	2	2	3	3	3	5	5	5
2017	2	2	2	3	3	3	5	5	5
2018	2	2	2	3	3	3	5	5	5
2019	2	2	2	3	3	3	5	5	5
2020	2	2	2	3	3	3	5	5	5
2021	2	2	2	3	3	3	5	5	5
2022	2	2	2	3	3	3	5	5	5
2023	2	2	2	3	3	3	5	5	5
2024	2	2	2	3	3	3	5	5	5
2025	2	2	2	3	3	3	5	5	5
2026	2	2	2	3	3	3	5	5	5
2027	2	2	2	3	3	3	5	5	5
2028	2	2	2	3	3	3	5	5	5
2029	2	2	2	3	3	3	5	5	5
2030	2	2	2	3	3	3	5	5	5

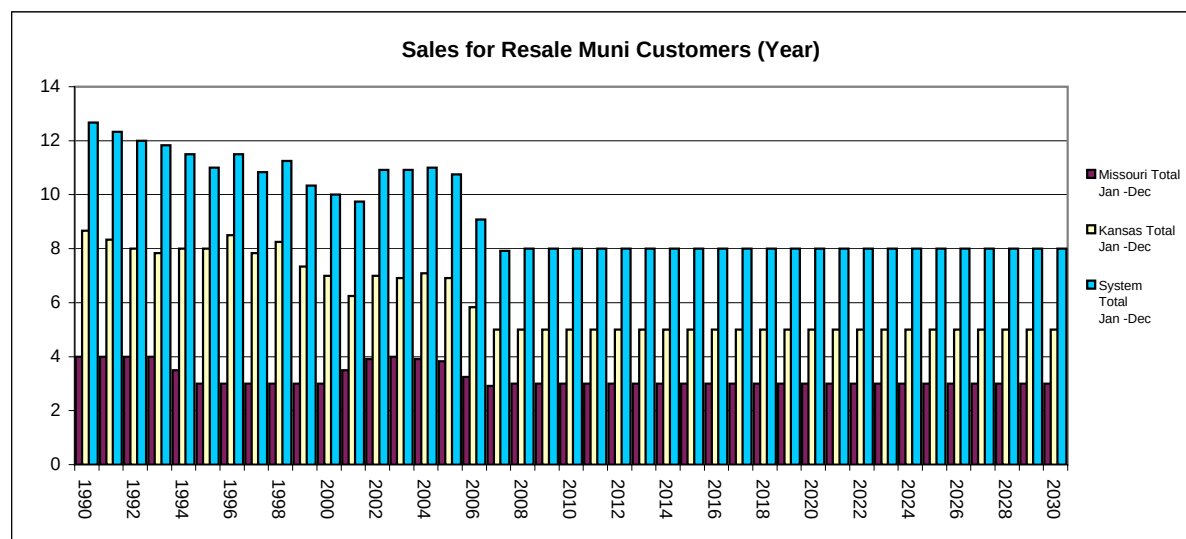
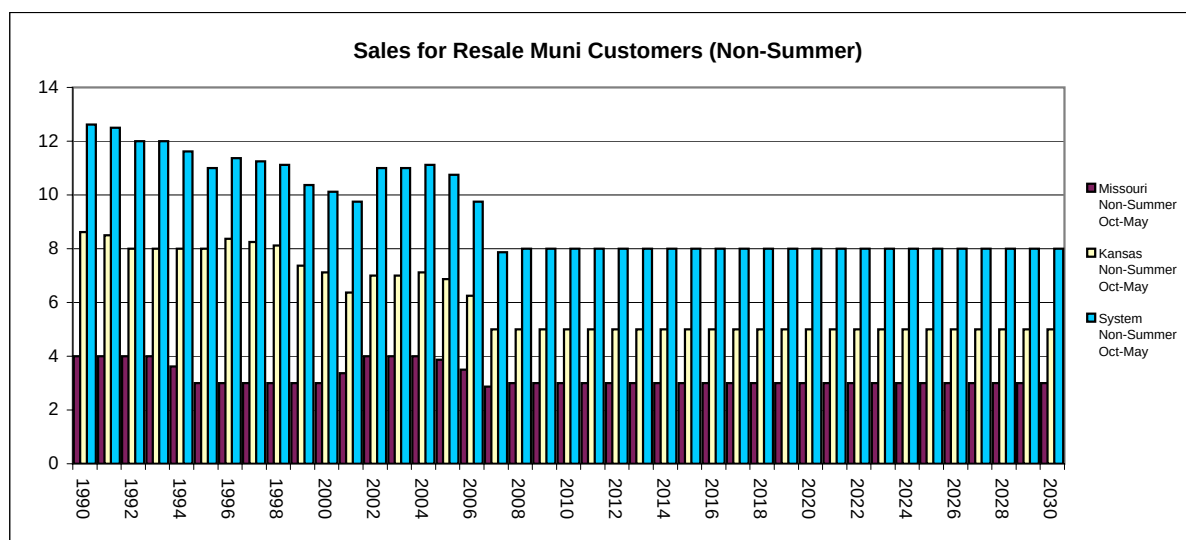
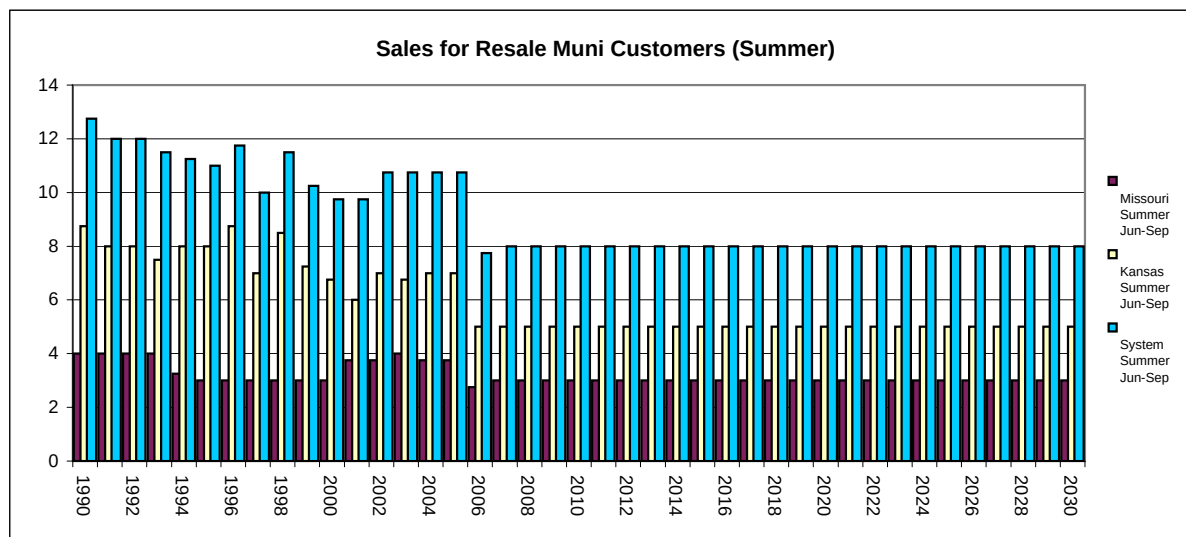
90-'06	-3.3%	-1.1%	-1.8%	-4.9%	-2.7%	-3.4%	-4.4%	-2.2%	-2.9%
07-'10	0.0%	2.2%	1.4%	0.0%	0.0%	0.0%	0.0%	0.8%	0.6%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%



Plot H-15 Missouri & Kansas Sale for Resale Muni Customers

Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	4	4	4	9	9	9	13	13	13
1991	4	4	4	8	9	8	12	13	12
1992	4	4	4	8	8	8	12	12	12
1993	4	4	4	8	8	8	12	12	12
1994	3	4	4	8	8	8	11	12	12
1995	3	3	3	8	8	8	11	11	11
1996	3	3	3	9	8	9	12	11	12
1997	3	3	3	7	8	8	10	11	11
1998	3	3	3	9	8	8	12	11	11
1999	3	3	3	7	7	7	10	10	10
2000	3	3	3	7	7	7	10	10	10
2001	4	3	4	6	6	6	10	10	10
2002	4	4	4	7	7	7	11	11	11
2003	4	4	4	7	7	7	11	11	11
2004	4	4	4	7	7	7	11	11	11
2005	4	4	4	7	7	7	11	11	11
2006	3	4	3	5	6	6	8	10	9
2007	3	3	3	5	5	5	8	8	8
2008	3	3	3	5	5	5	8	8	8
2009	3	3	3	5	5	5	8	8	8
2010	3	3	3	5	5	5	8	8	8
2011	3	3	3	5	5	5	8	8	8
2012	3	3	3	5	5	5	8	8	8
2013	3	3	3	5	5	5	8	8	8
2014	3	3	3	5	5	5	8	8	8
2015	3	3	3	5	5	5	8	8	8
2016	3	3	3	5	5	5	8	8	8
2017	3	3	3	5	5	5	8	8	8
2018	3	3	3	5	5	5	8	8	8
2019	3	3	3	5	5	5	8	8	8
2020	3	3	3	5	5	5	8	8	8
2021	3	3	3	5	5	5	8	8	8
2022	3	3	3	5	5	5	8	8	8
2023	3	3	3	5	5	5	8	8	8
2024	3	3	3	5	5	5	8	8	8
2025	3	3	3	5	5	5	8	8	8
2026	3	3	3	5	5	5	8	8	8
2027	3	3	3	5	5	5	8	8	8
2028	3	3	3	5	5	5	8	8	8
2029	3	3	3	5	5	5	8	8	8
2030	3	3	3	5	5	5	8	8	8

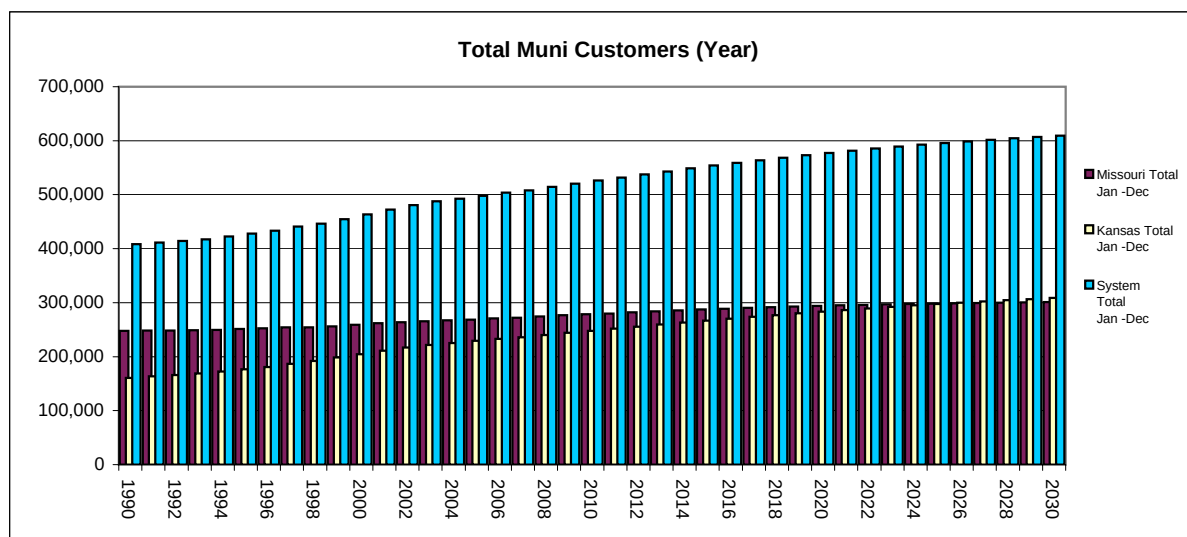
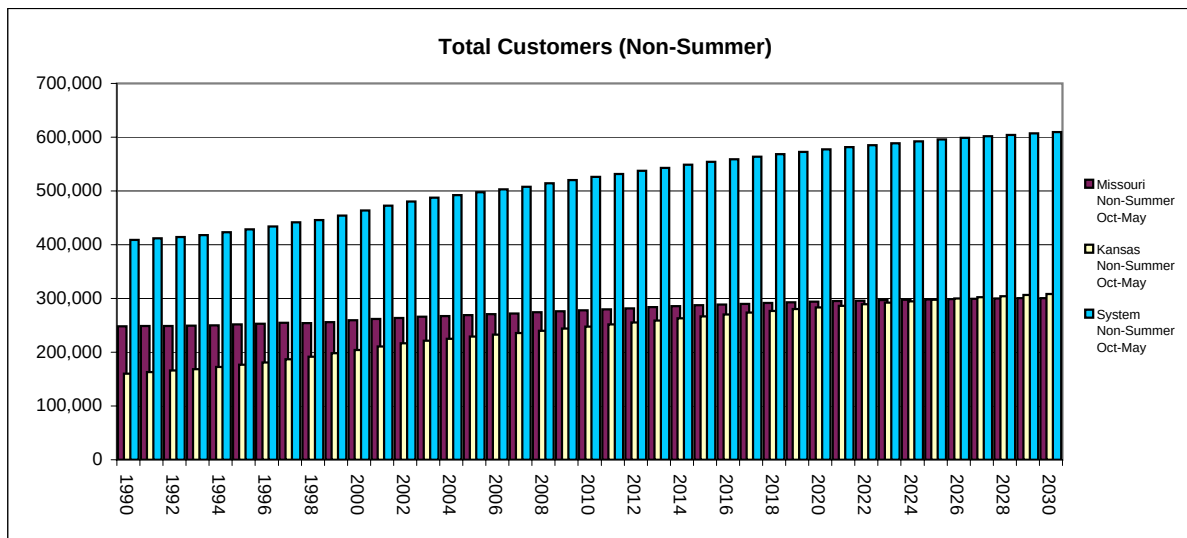
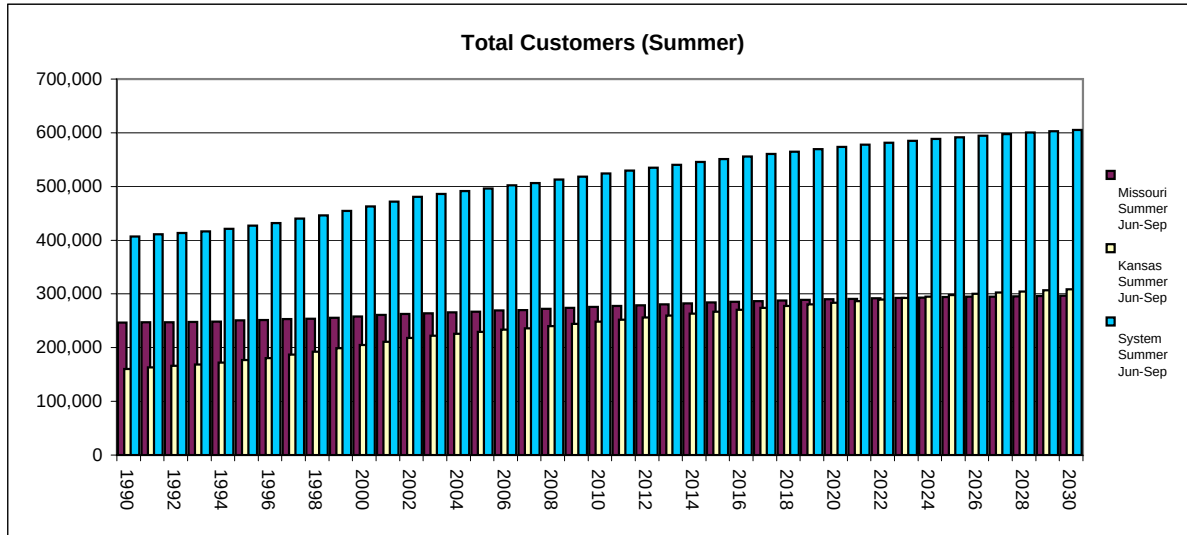
90-'06	-2.3%	-0.8%	-1.3%	-3.4%	-2.0%	-2.4%	-3.1%	-1.6%	-2.1%
07-'10	0.0%	1.4%	0.9%	0.0%	0.0%	0.0%	0.0%	0.5%	0.3%
10-'15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15-'20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
20-'25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
25-'30	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
07-'30	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%



Plot H-16 Missouri & Kansas Total Customers

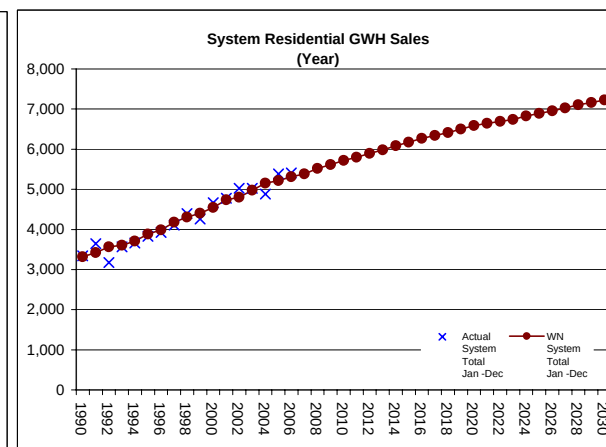
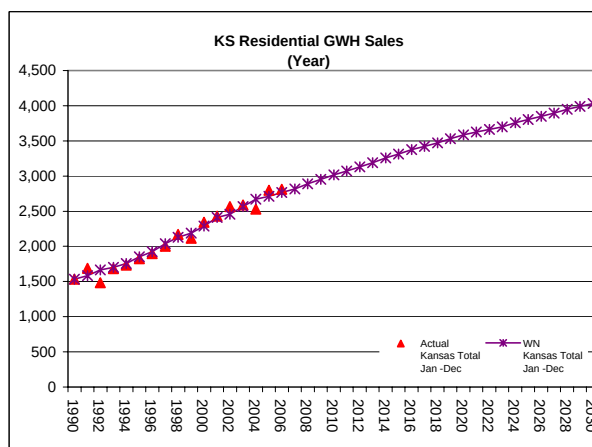
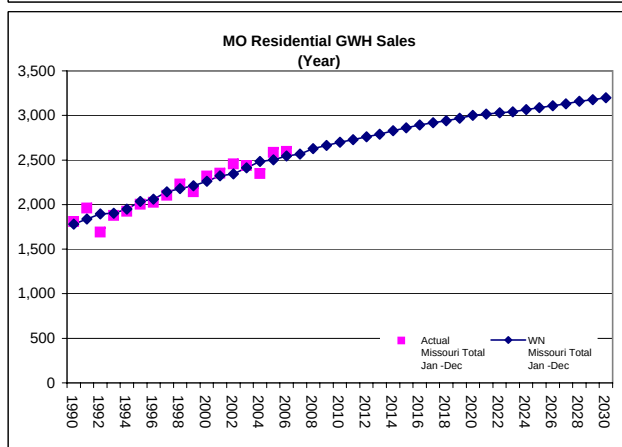
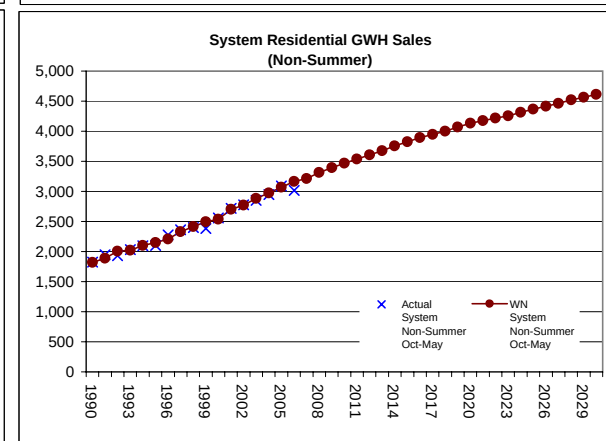
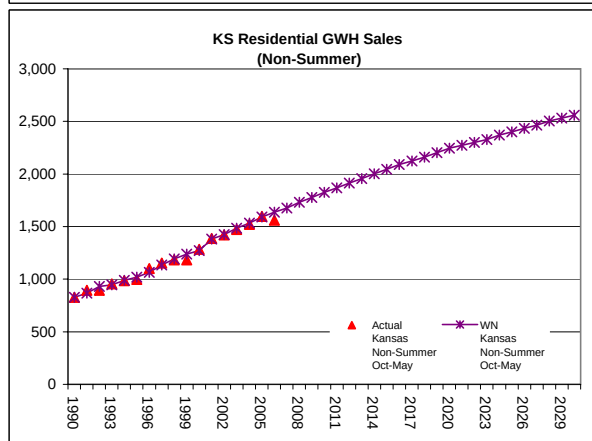
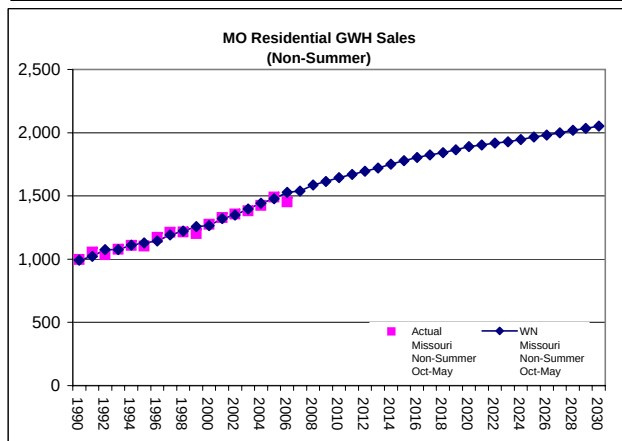
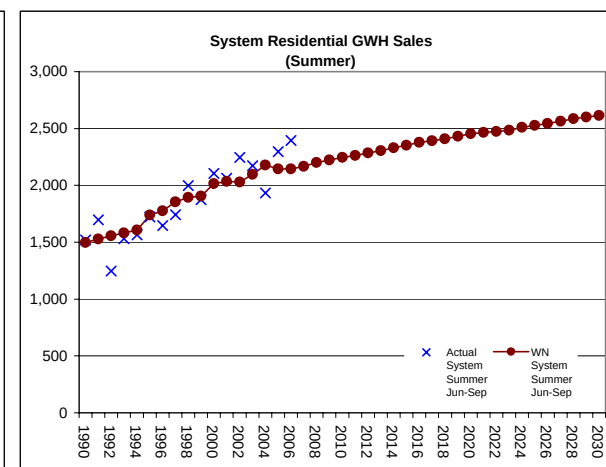
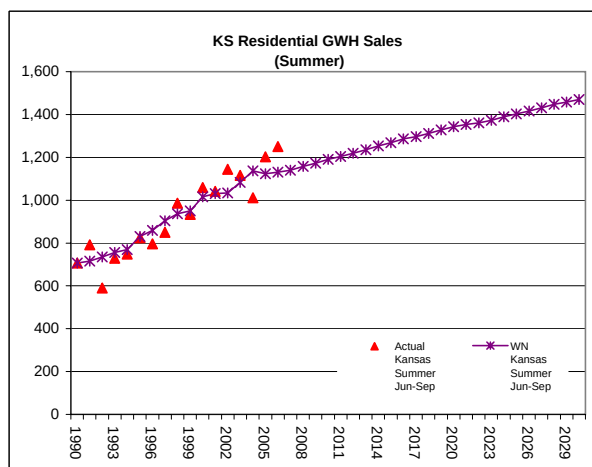
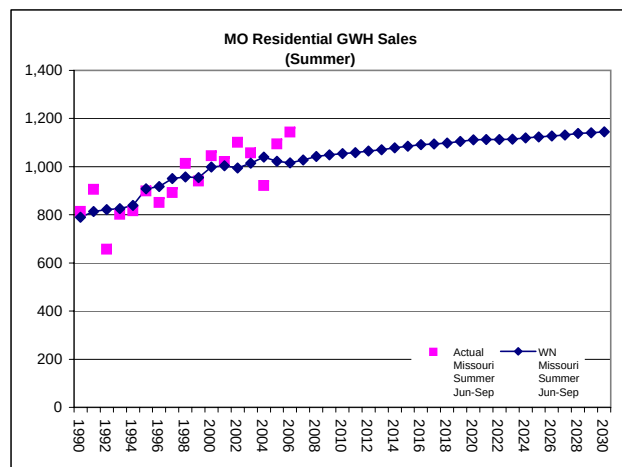
Year	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	System Summer Jun-Sep	System Non-Summer Oct-May	System Total Jan -Dec
1990	246,847	248,292	247,810	160,172	160,406	160,331	407,019	408,697	408,142
1991	247,467	248,604	248,247	163,391	163,336	163,358	410,859	411,940	411,605
1992	247,398	248,670	248,277	166,056	165,889	165,949	413,454	414,560	414,226
1993	247,623	249,201	248,711	168,676	168,710	168,702	416,299	417,911	417,413
1994	248,698	250,274	249,822	172,317	172,731	172,597	421,015	423,005	422,418
1995	250,724	251,751	251,446	176,672	176,691	176,689	427,396	428,443	428,135
1996	251,466	252,700	252,329	180,613	180,941	180,836	432,079	433,641	433,164
1997	253,429	254,516	254,275	186,970	186,880	186,914	440,399	441,396	441,189
1998	253,605	254,179	253,997	192,339	191,925	192,066	445,944	446,103	446,063
1999	255,829	256,061	256,161	198,885	198,280	198,485	454,714	454,341	454,646
2000	257,910	259,589	259,139	205,185	204,382	204,653	463,095	463,971	463,792
2001	260,962	262,017	261,820	211,046	210,671	210,799	472,008	472,687	472,620
2002	262,849	263,486	263,528	217,924	216,681	217,099	480,773	480,168	480,627
2003	263,927	266,088	265,833	222,066	221,575	221,742	485,994	487,663	487,574
2004	265,600	267,155	267,063	225,904	225,216	225,449	491,503	492,371	492,512
2005	267,022	268,878	268,791	229,524	228,878	229,097	496,546	497,756	497,888
2006	269,083	270,759	270,790	233,246	232,475	232,736	502,329	503,235	503,526
2007	270,063	271,895	271,851	236,152	235,732	235,875	506,215	507,627	507,726
2008	272,481	274,330	274,444	240,233	239,710	239,888	512,713	514,040	514,332
2009	274,279	276,479	276,562	244,296	243,783	243,957	518,574	520,262	520,519
2010	275,818	278,240	278,310	248,256	247,757	247,926	524,075	525,996	526,237
2011	277,338	279,930	280,001	252,122	251,634	251,800	529,461	531,564	531,801
2012	279,012	281,772	281,853	255,925	255,445	255,608	534,937	537,217	537,461
2013	280,758	283,732	283,813	259,685	259,210	259,372	540,443	542,942	543,185
2014	282,419	285,601	285,678	263,391	262,923	263,082	545,810	548,523	548,760
2015	283,981	287,349	287,422	267,032	266,572	266,728	551,013	553,920	554,151
2016	285,303	288,841	288,900	270,579	270,131	270,284	555,882	558,972	559,184
2017	286,484	290,135	290,188	274,014	273,580	273,728	560,499	563,715	563,916
2018	287,660	291,401	291,453	277,345	276,924	277,068	565,005	568,325	568,521
2019	288,814	292,644	292,696	280,578	280,169	280,309	569,392	572,813	573,005
2020	289,952	293,869	293,921	283,719	283,321	283,457	573,671	577,191	577,379
2021	290,968	294,976	295,020	286,758	286,373	286,504	577,726	581,349	581,525
2022	291,858	295,929	295,966	289,682	289,312	289,438	581,539	585,240	585,404
2023	292,661	296,765	296,799	292,488	292,132	292,254	585,148	588,896	589,053
2024	293,363	297,491	297,521	295,169	294,829	294,946	588,533	592,321	592,467
2025	294,047	298,178	298,208	297,733	297,407	297,519	591,779	595,585	595,727
2026	294,647	298,790	298,814	300,177	299,867	299,974	594,825	598,657	598,788
2027	295,178	299,311	299,332	302,500	302,205	302,307	597,677	601,515	601,638
2028	295,689	299,805	299,825	304,708	304,427	304,524	600,397	604,232	604,349
2029	296,213	300,311	300,333	306,811	306,544	306,636	603,024	606,855	606,969
2030	296,725	300,812	300,834	308,819	308,563	308,651	605,544	609,375	609,485

90-'06	0.5%	0.5%	0.6%	2.4%	2.3%	2.4%	1.3%	1.3%	1.3%
07-'10	0.7%	0.8%	0.8%	1.7%	1.7%	1.7%	1.2%	1.2%	1.2%
10-'15	0.6%	0.6%	0.6%	1.5%	1.5%	1.5%	1.0%	1.0%	1.0%
15-'20	0.4%	0.4%	0.4%	1.2%	1.2%	1.2%	0.8%	0.8%	0.8%
20-'25	0.3%	0.3%	0.3%	1.0%	1.0%	1.0%	0.6%	0.6%	0.6%
25-'30	0.2%	0.2%	0.2%	0.7%	0.7%	0.7%	0.5%	0.5%	0.5%
07-'30	0.4%	0.4%	0.4%	1.2%	1.2%	1.2%	0.8%	0.8%	0.8%



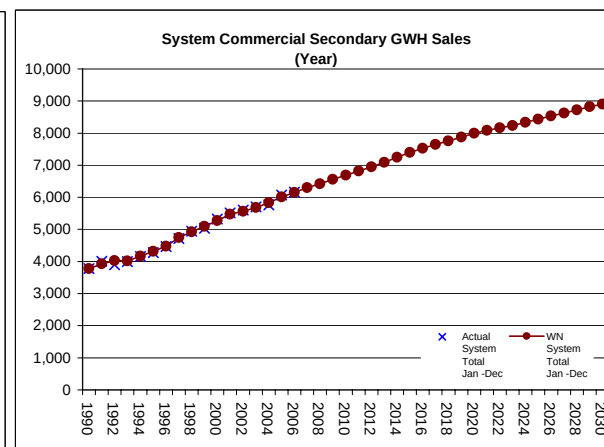
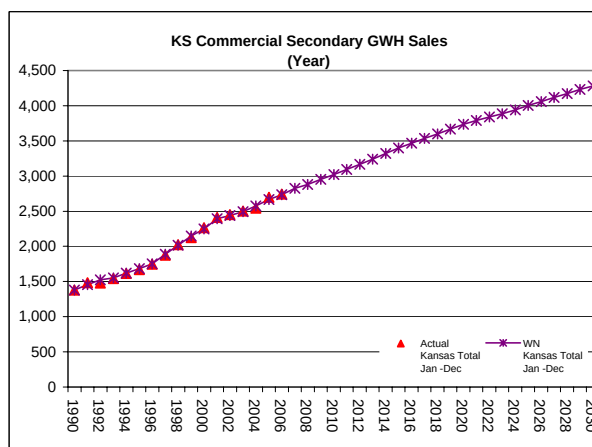
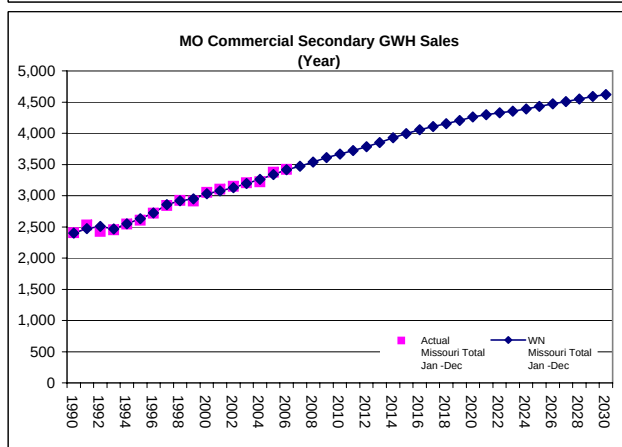
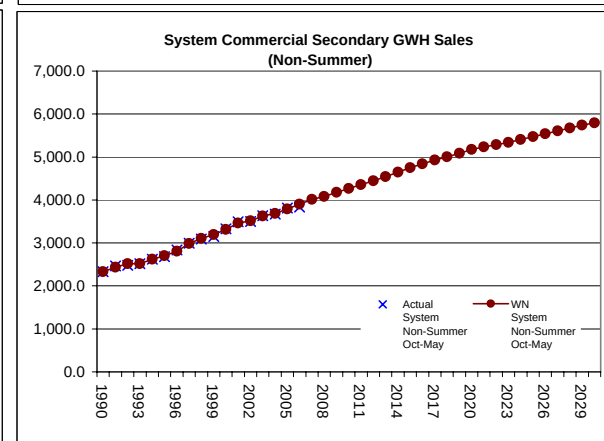
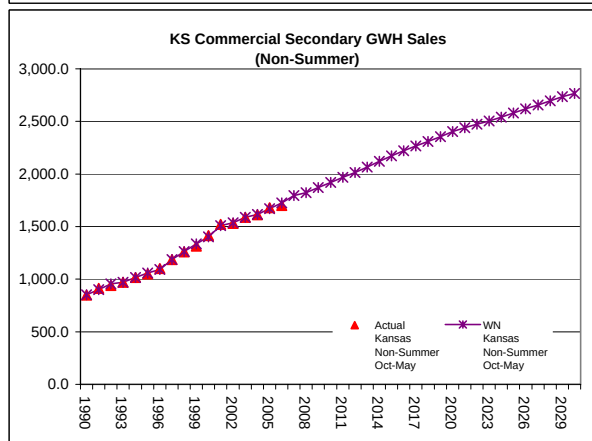
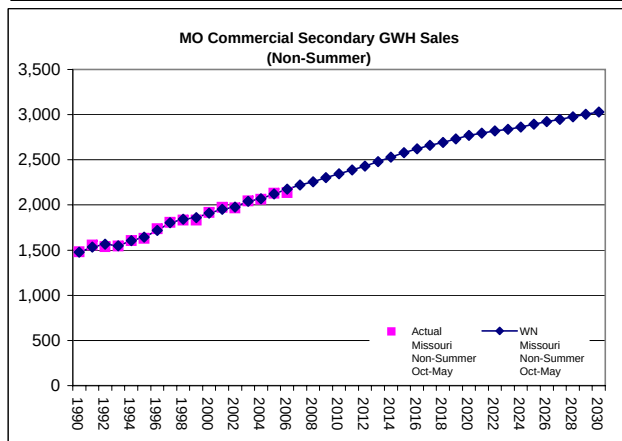
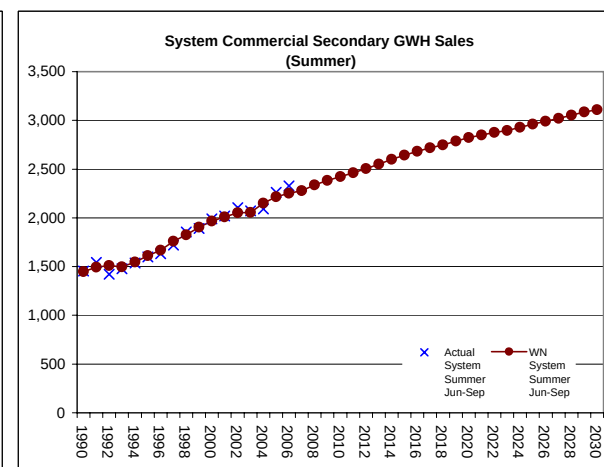
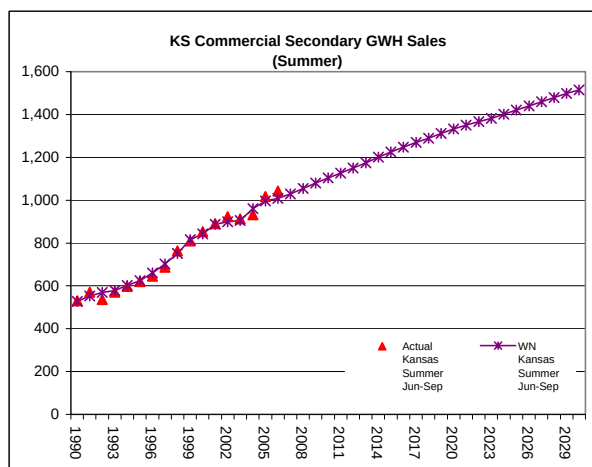
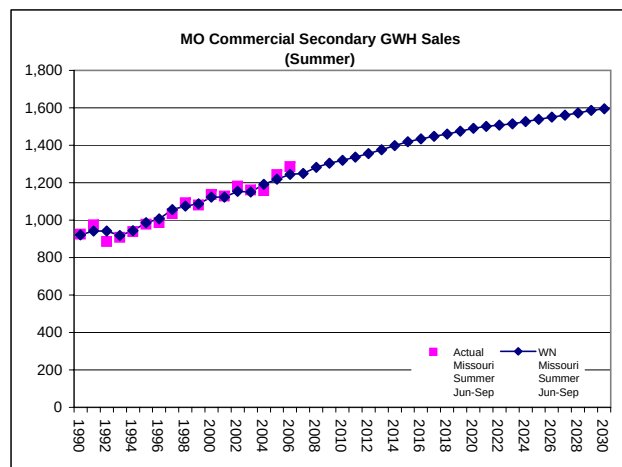
Plot H-17 Missouri & Kansas Residential GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	813.4	789.6	997.0	991.2	1,810.4	1,780.8	707.1	707.0	827.3	827.3	1,534.3	1,534.2	1,520.5	1,496.6	1,824.2	1,818.5	3,344.7	3,315.0
1991	905.7	813.6	1,054.0	1,022.9	1,959.7	1,836.5	792.5	715.6	894.2	867.6	1,686.6	1,583.3	1,698.2	1,529.2	1,948.1	1,890.5	3,646.3	3,419.7
1992	657.4	822.0	1,034.3	1,074.6	1,691.7	1,896.7	590.2	735.4	894.5	929.8	1,484.7	1,665.2	1,247.6	1,557.4	1,928.8	2,004.5	3,176.4	3,561.8
1993	802.0	826.1	1,076.7	1,076.3	1,878.8	1,902.5	729.5	756.2	954.8	947.2	1,684.3	1,703.4	1,531.5	1,582.3	2,031.6	2,023.6	3,563.1	3,605.9
1994	816.7	838.5	1,107.4	1,110.7	1,924.1	1,949.2	748.6	768.7	985.9	989.4	1,734.5	1,758.2	1,565.3	1,607.2	2,093.3	2,100.2	3,658.5	3,707.4
1995	898.6	907.5	1,102.9	1,127.4	2,001.5	2,034.9	824.5	831.1	998.6	1,020.8	1,823.0	1,851.9	1,723.1	1,738.6	2,101.5	2,148.1	3,824.6	3,886.8
1996	850.7	917.2	1,172.8	1,143.4	2,023.4	2,060.6	796.0	859.0	1,102.9	1,066.4	1,898.9	1,925.4	1,646.7	1,776.3	2,275.7	2,209.7	3,922.3	3,986.0
1997	891.7	951.2	1,211.6	1,192.2	2,103.3	2,143.3	849.7	903.7	1,152.7	1,135.0	2,002.4	2,038.7	1,741.4	1,854.9	2,364.3	2,327.1	4,105.7	4,182.0
1998	1,012.9	957.7	1,214.7	1,221.6	2,227.5	2,179.3	986.1	936.7	1,183.7	1,193.9	2,169.8	2,130.6	1,999.0	1,894.4	2,398.4	2,415.5	4,397.4	4,309.9
1999	940.4	954.4	1,202.8	1,256.5	2,143.2	2,210.9	933.1	950.6	1,182.4	1,239.6	2,115.5	2,190.2	1,873.5	1,905.1	2,385.2	2,496.1	4,258.7	4,401.1
2000	1,044.6	997.9	1,276.1	1,264.7	2,320.7	2,262.7	1,059.6	1,015.9	1,283.2	1,271.0	2,342.7	2,286.9	2,104.1	2,013.9	2,559.2	2,535.7	4,663.4	4,549.5
2001	1,021.3	1,003.5	1,328.4	1,320.3	2,349.6	2,323.7	1,040.9	1,030.3	1,388.0	1,381.6	2,428.9	2,412.0	2,062.1	2,033.8	2,716.4	2,701.9	4,778.5	4,735.7
2002	1,101.1	993.9	1,355.0	1,349.0	2,456.1	2,342.9	1,143.9	1,034.3	1,421.4	1,423.5	2,565.3	2,457.8	2,245.0	2,028.3	2,776.5	2,772.5	5,021.4	4,800.8
2003	1,056.9	1,014.6	1,381.0	1,396.2	2,437.9	2,410.8	1,116.6	1,082.4	1,471.6	1,485.9	2,588.2	2,568.3	2,173.5	2,096.9	2,852.6	2,882.1	5,026.1	4,979.0
2004	920.9	1,040.0	1,425.5	1,442.6	2,346.4	2,482.5	1,012.0	1,137.0	1,519.8	1,532.5	2,531.8	2,669.5	1,932.9	2,177.0	2,945.3	2,975.0	4,878.2	5,152.0
2005	1,093.7	1,022.8	1,489.8	1,477.8	2,583.5	2,500.6	1,202.1	1,122.9	1,598.4	1,590.1	2,800.5	2,713.1	2,295.8	2,145.7	3,088.1	3,067.9	5,383.9	5,213.6
2006	1,143.8	1,015.3	1,452.0	1,529.1	2,595.8	2,544.4	1,250.7	1,130.5	1,561.3	1,637.1	2,811.9	2,767.5	2,394.4	2,145.8	3,013.3	3,166.2	5,407.7	5,311.9
2007		1,028.0		1,537.7		2,565.7		1,139.9		1,677.4		2,817.2		2,167.8		3,215.1		5,382.9
2008		1,042.8		1,585.5		2,628.3		1,157.9		1,731.0		2,888.9		2,200.7		3,316.5		5,517.2
2009		1,048.6		1,615.0		2,663.6		1,173.4		1,778.0		2,951.4		2,222.1		3,393.0		5,615.1
2010		1,054.8		1,644.6		2,699.4		1,190.2		1,825.9		3,016.1		2,244.9		3,470.5		5,715.4
2011		1,058.9		1,669.3		2,728.2		1,204.6		1,868.5		3,073.1		2,263.5		3,537.8		5,801.3
2012		1,064.4		1,696.2		2,760.6		1,219.6		1,912.6		3,132.2		2,284.1		3,608.8		5,892.8
2013		1,069.7		1,720.6		2,790.3		1,236.0		1,955.1		3,191.1		2,305.7		3,675.7		5,981.4
2014		1,077.8		1,750.0		2,827.8		1,253.7		2,003.2		3,256.8		2,331.4		3,753.2		6,084.6
2015		1,084.7		1,777.7		2,862.4		1,268.4		2,044.2		3,312.6		2,353.0		3,821.9		6,175.0
2016		1,091.4		1,803.7		2,895.1		1,286.3		2,089.3		3,375.6		2,377.7		3,893.0		6,270.7
2017		1,094.6		1,823.6		2,918.2		1,297.1		2,125.0		3,422.1		2,391.7		3,948.6		6,340.4
2018		1,098.2		1,842.6		2,940.8		1,311.3		2,159.9		3,471.2		2,409.5		4,002.6		6,412.0
2019		1,104.2		1,864.7		2,968.9		1,328.6		2,204.2		3,532.9		2,432.9		4,068.9		6,501.8
2020		1,111.0		1,890.4		3,001.4		1,343.4		2,243.9		3,587.3		2,454.3		4,134.3		6,588.7
2021		1,112.3		1,903.8		3,016.1		1,353.8		2,272.8		3,626.7		2,466.1		4,176.7		6,642.8
2022		1,113.0		1,917.0		3,029.9		1,361.1		2,299.6		3,660.7		2,474.1		4,216.6		6,690.7
2023		1,113.6		1,928.2		3,041.8		1,372.5		2,326.1		3,698.7		2,486.1		4,254.3		6,740.5
2024		1,118.9		1,947.0		3,066.0		1,390.1		2,368.8		3,758.9		2,509.0		4,315.9		6,824.9
2025		1,123.4		1,964.9		3,088.3		1,402.7		2,400.2		3,802.9		2,526.1		4,365.1		6,891.2
2026		1,127.7		1,982.4		3,110.1		1,415.6		2,433.0		3,848.6		2,543.3		4,415.3		6,958.6
2027		1,132.0		1,999.2		3,131.2		1,430.6		2,465.1		3,895.8		2,562.6		4,464.4		7,027.0
2028		1,137.9		2,019.3		3,157.2		1,447.2		2,502.6		3,949.8		2,585.1		4,521.9		7,107.0
2029		1,141.2		2,035.2		3,176.5		1,458.3		2,530.5		3,988.8		2,599.6		4,565.7		7,165.2
2030		1,145.0		2,051.9		3,196.9		1,470.6		2,559.5		4,030.1		2,615.5		4,611.4		7,226.9
90-'06	2.2%	1.6%	2.4%	2.7%	2.3%	2.3%	3.6%	3.0%	4.0%	4.4%	3.9%	3.8%	2.9%	2.3%	3.2%	3.5%	3.0%	3.0%
07-'10		0.9%		2.3%		1.7%		1.5%		2.9%		2.3%		1.2%		2.6%		2.0%
10-'15		0.6%		1.6%		1.2%		1.3%		2.3%		1.9%		0.9%		1.9%		1.6%
15-'20		0.5%		1.2%		1.0%		1.2%		1.9%		1.6%		0.8%		1.6%		1.3%
20-'25		0.2%		0.8%		0.6%		0.9%		1.4%		1.2%		0.6%		1.1%		0.9%
25-'30		0.4%		0.9%		0.7%		0.9%		1.3%		1.2%		0.7%		1.1%		1.0%
07-'30		0.5%		1.3%		1.0%		1.1%		1.9%		1.6%		0.8%		1.6%		1.3%



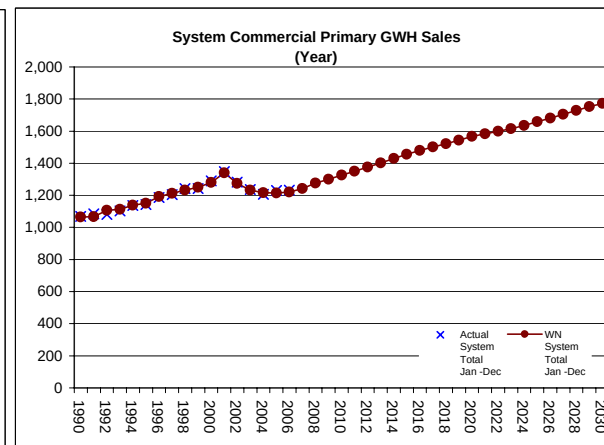
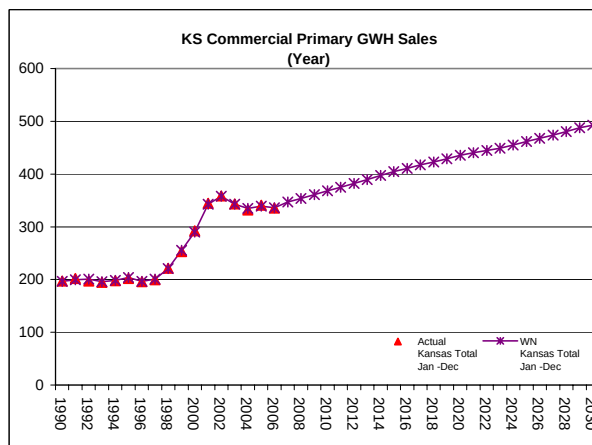
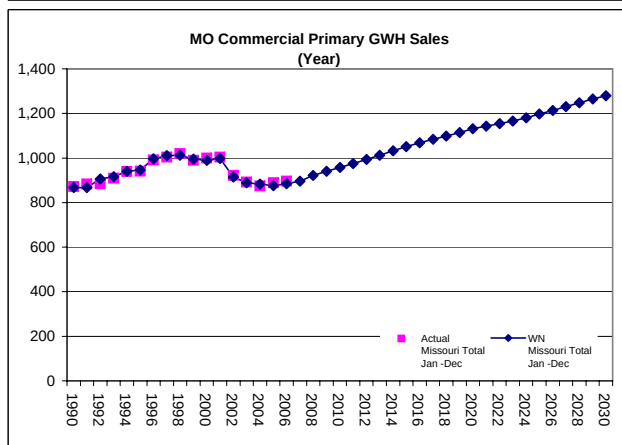
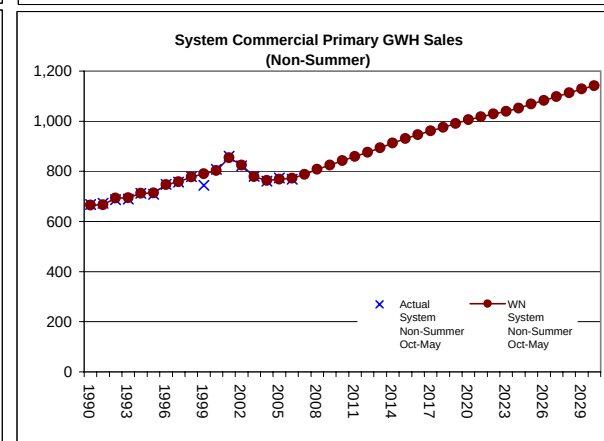
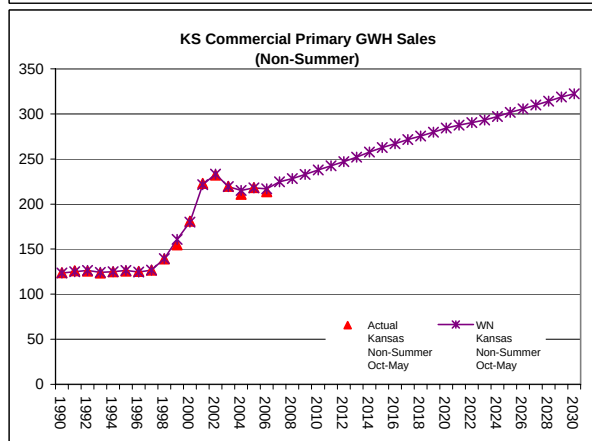
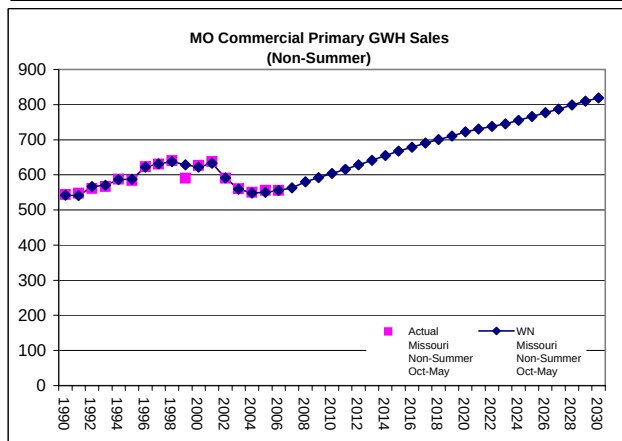
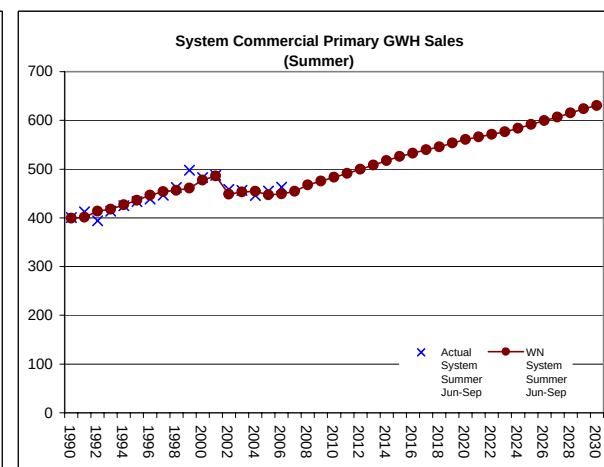
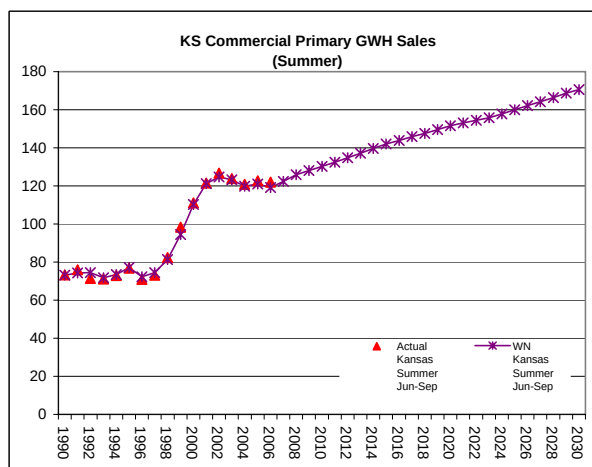
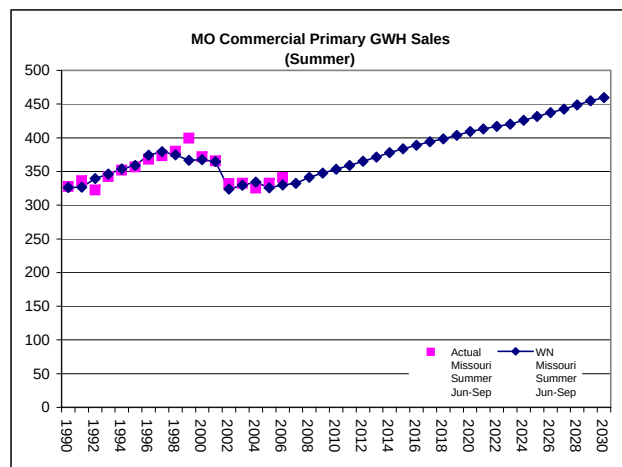
Plot H-18 Missouri & Kansas Commercial Secondary GWH Sales
(Actual vs. Weather Normalized)

	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri	Missouri	Missouri	Missouri	Missouri	Missouri	Kansas	Kansas	Kansas	Kansas	Kansas	Kansas	System	System	System	System	System	System
	Summer	Summer	Non-Summer	Non-Summer	Total	Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total	Summer	Summer	Non-Summer	Non-Summer	Total	Total
Year	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
1990	924.4	921.1	1,479.9	1,477.7	2,404.3	2,398.7	529.9	526.6	849.1	851.2	1,379.0	1,377.8	1,454.3	1,447.7	2,329.0	2,328.9	3,783.3	3,776.5
1991	974.3	941.8	1,553.4	1,532.5	2,527.7	2,474.3	570.0	552.8	913.0	901.3	1,483.1	1,454.1	1,544.3	1,494.6	2,466.5	2,433.8	4,010.8	3,928.4
1992	885.2	941.6	1,538.9	1,564.3	2,424.2	2,505.9	536.0	568.5	940.7	954.7	1,476.6	1,523.2	1,421.2	1,510.2	2,479.6	2,519.0	3,900.8	4,029.1
1993	907.7	918.7	1,545.8	1,548.8	2,453.5	2,467.4	571.4	578.8	970.1	971.5	1,541.5	1,550.4	1,479.1	1,497.5	2,516.0	2,520.3	3,995.1	4,017.8
1994	938.0	943.6	1,604.9	1,605.1	2,542.9	2,548.7	598.1	601.8	1,017.4	1,017.1	1,615.5	1,618.9	1,536.1	1,545.4	2,622.3	2,622.1	4,158.4	4,167.5
1995	977.7	986.9	1,629.1	1,642.6	2,606.8	2,629.5	619.9	624.5	1,050.4	1,059.2	1,670.3	1,683.6	1,597.6	1,611.3	2,679.5	2,701.8	4,277.1	4,313.1
1996	986.0	1,006.9	1,734.5	1,717.6	2,720.5	2,724.5	645.9	661.0	1,102.9	1,092.7	1,748.7	1,753.7	1,631.8	1,667.8	2,837.4	2,810.3	4,469.2	4,478.1
1997	1,034.0	1,056.7	1,806.0	1,801.7	2,840.0	2,858.4	687.8	701.7	1,186.9	1,186.6	1,874.6	1,888.3	1,721.8	1,758.4	2,992.8	2,988.3	4,714.6	4,746.7
1998	1,092.4	1,075.2	1,832.3	1,840.6	2,924.6	2,915.8	763.2	751.6	1,259.7	1,261.9	2,022.9	2,013.4	1,855.5	1,826.7	3,092.0	3,102.5	4,947.5	4,929.2
1999	1,081.1	1,087.5	1,831.4	1,861.0	2,912.5	2,948.6	810.3	815.4	1,315.7	1,334.4	2,126.0	2,149.8	1,891.4	1,902.9	3,147.1	3,195.4	5,038.5	5,098.3
2000	1,137.6	1,123.1	1,916.1	1,908.7	3,053.7	3,031.8	853.4	842.5	1,413.3	1,403.3	2,266.7	2,245.8	1,991.0	1,965.6	3,329.4	3,312.0	5,320.5	5,277.6
2001	1,127.9	1,122.9	1,973.2	1,953.6	3,101.1	3,076.5	889.7	887.1	1,521.3	1,508.4	2,411.0	2,395.6	2,017.6	2,010.0	3,494.5	3,462.0	5,512.1	5,472.0
2002	1,182.0	1,154.3	1,966.6	1,976.1	3,148.6	3,130.4	923.3	899.2	1,530.1	1,537.7	2,453.4	2,436.9	2,105.3	2,053.5	3,496.7	3,513.8	5,602.0	5,567.3
2003	1,160.1	1,150.9	2,042.6	2,042.1	3,202.7	3,193.1	912.4	905.5	1,588.0	1,587.1	2,500.4	2,492.6	2,072.5	2,056.4	3,630.6	3,629.2	5,703.1	5,685.6
2004	1,158.1	1,191.1	2,061.2	2,070.0	3,219.3	3,261.1	932.7	960.6	1,611.3	1,614.9	2,544.0	2,575.6	2,090.8	2,151.7	3,672.5	3,685.0	5,763.3	5,836.7
2005	1,242.6	1,218.7	2,129.7	2,121.0	3,372.3	3,339.8	1,018.1	997.1	1,679.5	1,670.9	2,697.6	2,668.0	2,260.7	2,215.8	3,809.2	3,791.9	6,069.9	6,007.7
2006	1,285.8	1,243.8	2,135.3	2,173.5	3,421.1	3,417.3	1,042.7	1,008.5	1,699.7	1,726.5	2,742.4	2,735.0	2,328.5	2,252.3	3,835.0	3,900.0	6,163.5	6,152.3
2007		1,250.0		2,222.9		3,472.9		1,029.4		1,794.3		2,823.7		2,279.4		4,017.2		6,296.6
2008		1,282.6		2,257.1		3,539.7		1,055.2		1,822.8		2,878.0		2,337.8		4,079.9		6,417.7
2009		1,304.3		2,304.2		3,608.5		1,080.7		1,871.4		2,952.2		2,385.0		4,175.6		6,560.6
2010		1,320.1		2,346.1		3,666.2		1,103.3		1,919.4		3,022.7		2,423.4		4,265.5		6,688.9
2011		1,336.1		2,386.9		3,723.0		1,126.0		1,967.2		3,093.2		2,462.2		4,354.0		6,816.2
2012		1,354.9		2,430.0		3,784.9		1,149.8		2,015.0		3,164.8		2,504.7		4,445.0		6,949.7
2013		1,375.7		2,478.1		3,853.8		1,174.3		2,065.3		3,239.6		2,550.1		4,543.3		7,093.4
2014		1,398.1		2,530.5		3,928.6		1,200.7		2,119.5		3,320.2		2,598.8		4,650.0		7,248.8
2015		1,418.1		2,579.3		3,997.4		1,225.4		2,171.7		3,397.1		2,643.4		4,751.0		7,394.5
2016		1,434.2		2,621.5		4,055.7		1,248.1		2,220.5		3,468.5		2,682.3		4,842.0		7,524.3
2017		1,448.1		2,659.9		4,108.0		1,269.7		2,267.7		3,537.4		2,717.8		4,927.7		7,645.4
2018		1,459.9		2,693.6		4,153.6		1,289.1		2,310.7		3,599.8		2,749.0		5,004.3		7,753.3
2019		1,475.2		2,730.9		4,206.1		1,311.2		2,356.2		3,667.4		2,786.4		5,087.0		7,873.4
2020		1,490.2		2,769.5		4,259.7		1,332.8		2,402.5		3,735.3		2,823.0		5,172.0		7,995.0
2021		1,500.6		2,796.1		4,296.7		1,350.6		2,438.7		3,789.3		2,851.2		5,234.8		8,086.0
2022		1,508.3		2,818.3		4,326.7		1,366.4		2,472.2		3,838.6		2,874.8		5,290.5		8,165.3
2023		1,515.2		2,837.6		4,352.8		1,381.6		2,503.4		3,885.0		2,896.8		5,341.0		8,237.8
2024		1,526.2		2,863.1		4,389.3		1,400.9		2,540.3		3,941.2		2,927.1		5,403.4		8,330.5
2025		1,539.0		2,893.7		4,432.7		1,421.4		2,581.5		4,002.9		2,960.4		5,475.1		8,435.5
2026		1,549.8		2,920.9		4,470.7		1,440.1		2,619.5		4,059.6		2,989.9		5,540.4		8,530.3
2027		1,560.8		2,947.2		4,508.0		1,459.1		2,656.8		4,115.9		3,019.9		5,604.0		8,623.8
2028		1,573.3		2,975.5		4,548.9		1,479.1		2,695.5		4,174.6		3,052.5		5,671.0		8,723.5
2029		1,586.3		3,005.0		4,591.3		1,499.0		2,734.2		4,233.2		3,085.3		5,739.2		8,824.5
2030		1,595.4		3,027.1		4,622.5		1,514.8		2,765.2		4,280.0		3,110.1		5,792.4		8,902.5
90-'06	2.1%	1.9%	2.3%	2.4%	2.2%	2.2%	4.3%	4.1%	4.4%	4.5%	4.4%	4.4%	3.0%	2.8%	3.2%	3.3%	3.1%	3.1%
07-'10		1.8%		1.8%		1.8%		2.3%		2.3%		2.3%		2.1%		2.0%		2.0%
10-'15		1.4%		1.9%		1.7%		2.1%		2.5%		2.4%		1.8%		2.2%		2.0%
15-'20		1.0%		1.4%		1.3%		1.7%		2.0%		1.9%		1.3%		1.7%		1.6%
20-'25		0.6%		0.9%		0.8%		1.3%		1.4%		1.4%		1.0%		1.1%		1.1%
25-'30		0.7%		0.9%		0.8%		1.3%		1.4%		1.3%		1.0%		1.1%		1.1%
07-'30		1.1%		1.4%		1.3%		1.7%		1.9%		1.8%		1.4%		1.6%		1.5%



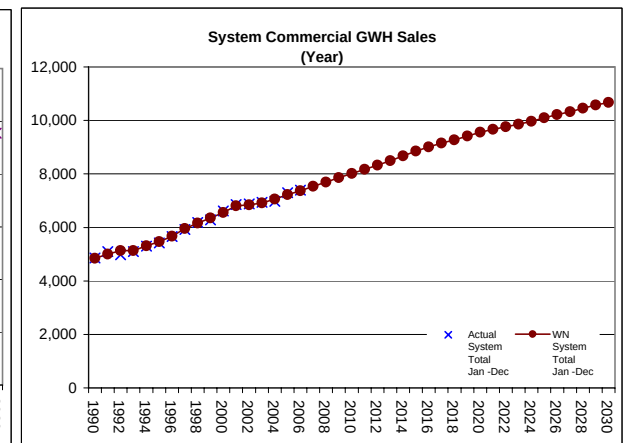
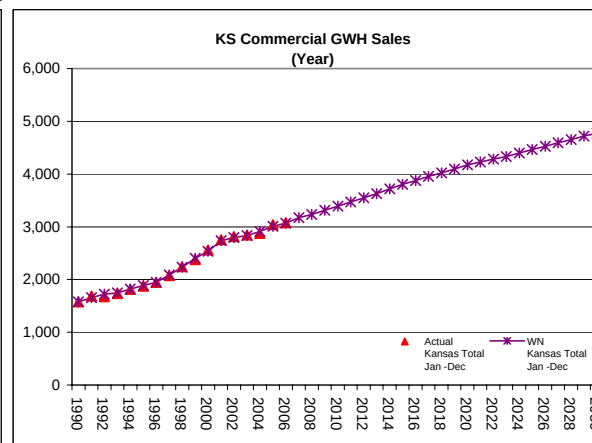
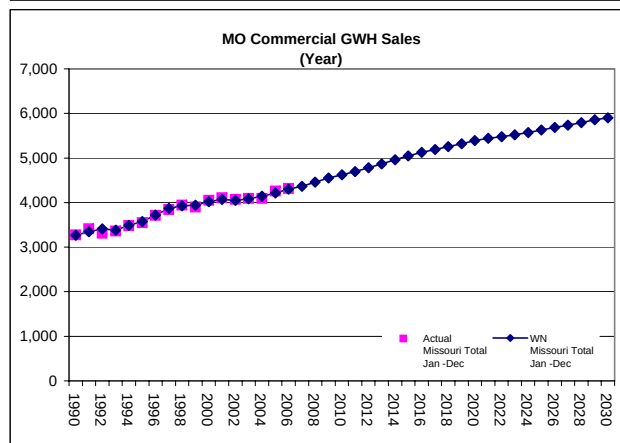
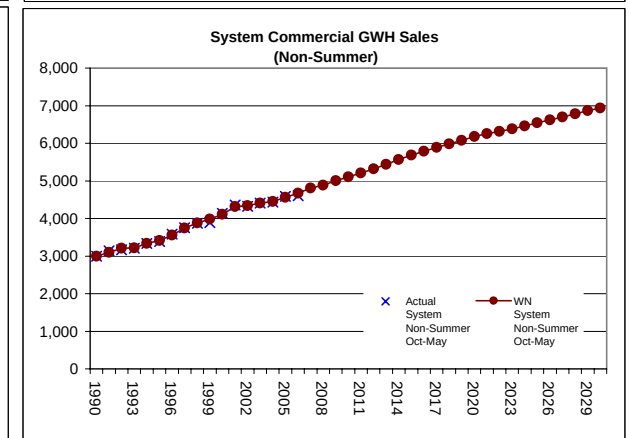
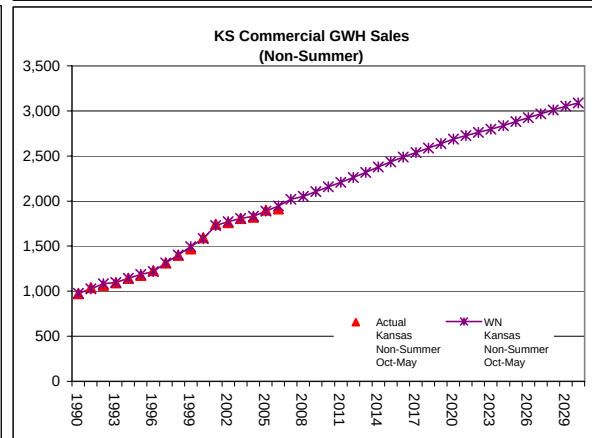
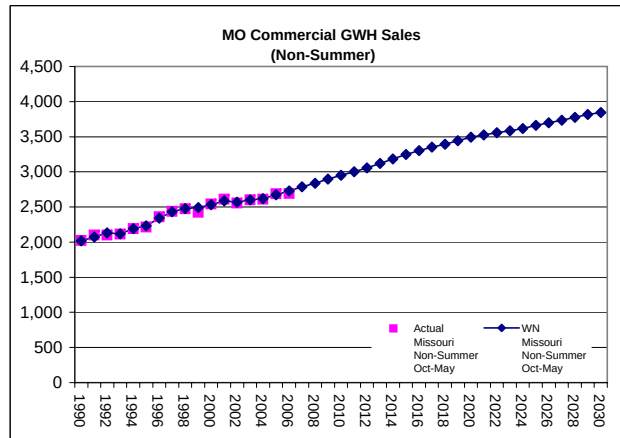
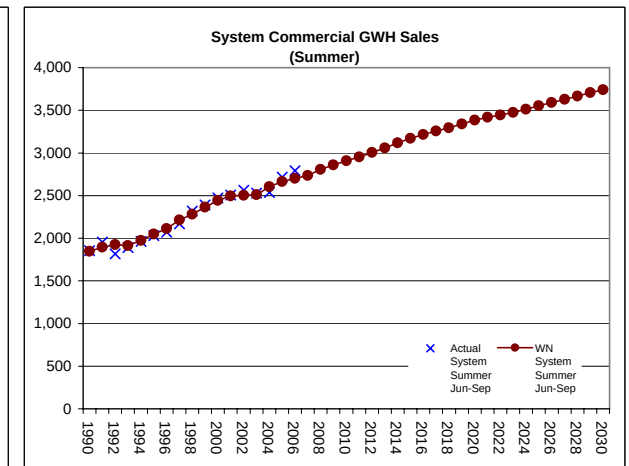
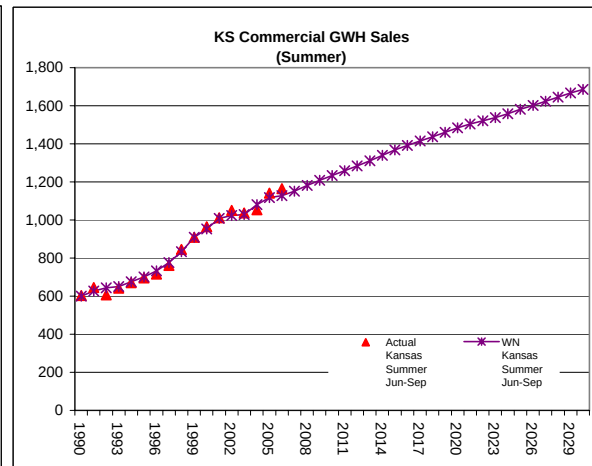
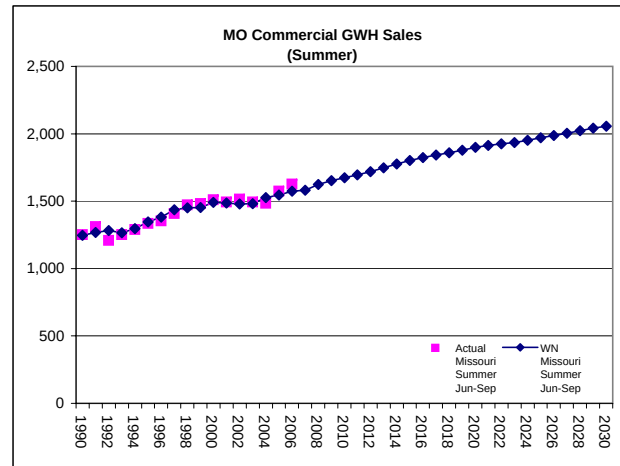
Plot H-19 Missouri & Kansas Commercial Primary GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System 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
1990	327.4	326.0	543.5	541.9	870.9	867.9	73.4	73.1	124.0	123.5	197.4	196.6	400.8	399.1	667.5	665.4	1,068.3	1,064.5
1991	336.1	326.5	547.2	541.4	883.3	868.0	76.0	74.4	125.9	124.9	201.9	199.3	412.1	400.9	673.1	666.4	1,085.2	1,067.3
1992	322.5	339.5	561.5	566.4	884.1	905.9	71.4	74.4	125.8	126.4	197.1	200.8	393.9	413.9	687.3	692.8	1,081.2	1,106.7
1993	342.5	346.0	566.4	570.2	908.9	916.2	71.1	71.8	123.4	124.2	194.5	196.0	413.6	417.8	689.8	694.4	1,103.4	1,112.2
1994	351.8	353.6	587.6	586.9	939.4	940.5	73.0	73.4	124.9	124.8	197.9	198.2	424.8	426.9	712.5	711.8	1,137.4	1,138.7
1995	356.4	359.0	583.5	587.5	939.9	946.5	76.7	77.2	125.6	126.4	202.3	203.6	433.1	436.2	709.1	713.9	1,142.2	1,150.1
1996	368.0	374.4	622.7	622.0	990.7	996.4	70.9	72.2	125.2	124.4	196.0	196.7	438.9	446.6	747.9	746.5	1,186.8	1,193.1
1997	373.2	379.6	630.8	631.7	1,004.0	1,011.3	73.1	74.4	126.6	126.6	199.7	201.0	446.3	454.0	757.4	758.4	1,203.7	1,212.4
1998	379.8	374.8	640.0	637.4	1,019.8	1,012.2	82.4	81.3	139.3	139.6	221.6	220.9	462.2	456.1	779.3	776.9	1,241.5	1,233.1
1999	399.2	366.4	590.1	628.8	989.3	995.2	98.3	94.4	154.8	160.8	253.0	255.2	497.5	460.7	744.8	789.7	1,242.3	1,250.4
2000	371.7	367.4	627.1	622.5	998.8	990.0	111.2	110.2	181.0	180.1	292.2	290.3	482.8	477.6	808.1	802.6	1,291.0	1,280.2
2001	365.8	364.5	637.8	632.9	1,003.5	997.3	121.4	121.2	223.0	221.6	344.5	342.8	487.2	485.7	860.8	854.5	1,348.0	1,340.1
2002	331.8	323.7	590.7	591.6	922.4	915.3	126.8	124.8	232.1	233.2	358.8	358.0	458.5	448.4	822.7	824.8	1,281.3	1,273.3
2003	332.2	329.7	560.2	559.6	892.4	889.3	123.9	123.3	219.6	219.4	343.5	342.7	456.1	453.0	779.8	779.0	1,235.9	1,231.9
2004	325.2	334.4	549.8	548.0	875.0	882.4	120.8	119.8	211.0	215.0	331.8	334.8	446.1	454.2	760.8	763.0	1,206.9	1,217.2
2005	332.5	325.9	556.0	550.4	888.5	876.2	122.7	121.0	218.2	218.1	341.0	339.1	455.2	446.9	774.2	768.4	1,229.4	1,215.3
2006	340.8	329.8	555.3	555.3	896.1	885.1	122.0	119.1	213.6	217.0	335.6	336.1	462.8	449.0	768.9	772.3	1,231.7	1,221.2
2007		332.4		563.0		895.4		122.4		224.7		347.1		454.7		787.7		1,242.5
2008		341.4		580.4		921.8		125.8		228.1		354.0		467.2		808.5		1,275.8
2009		347.6		592.3		939.9		128.1		232.9		361.1		475.7		825.2		1,301.0
2010		353.2		604.3		957.5		130.3		237.7		368.0		483.6		842.0		1,325.5
2011		358.8		616.2		975.0		132.4		242.4		374.8		491.3		858.6		1,349.9
2012		364.9		628.4		993.3		134.8		247.2		381.9		499.7		875.5		1,375.2
2013		371.2		641.1		1,012.3		137.1		252.2		389.3		508.4		893.3		1,401.7
2014		377.9		654.9		1,032.8		139.7		257.6		397.3		517.6		912.5		1,430.0
2015		383.8		667.6		1,051.4		141.9		262.6		404.6		525.8		930.2		1,456.0
2016		389.0		678.8		1,067.8		143.9		267.1		411.0		532.9		945.9		1,478.8
2017		394.1		690.1		1,084.2		145.9		271.5		417.4		540.0		961.6		1,501.6
2018		398.4		700.1		1,098.5		147.6		275.5		423.0		546.0		975.6		1,521.6
2019		403.7		710.6		1,114.3		149.5		279.6		429.2		553.2		990.2		1,543.5
2020		409.1		722.2		1,131.4		151.6		284.2		435.8		560.8		1,006.4		1,567.2
2021		413.2		730.4		1,143.6		153.1		287.4		440.6		566.3		1,017.9		1,584.2
2022		416.8		738.0		1,154.8		154.5		290.4		444.9		571.3		1,028.4		1,599.7
2023		420.4		745.3		1,165.7		155.9		293.3		449.1		576.3		1,038.5		1,614.8
2024		425.7		755.0		1,180.7		157.9		297.1		454.9		583.6		1,052.0		1,635.6
2025		431.7		766.3		1,198.0		160.1		301.6		461.6		591.7		1,067.9		1,659.6
2026		437.1		776.9		1,214.0		162.1		305.7		467.9		599.2		1,082.7		1,681.9
2027		442.7		787.5		1,230.1		164.2		309.9		474.1		606.8		1,097.3		1,704.2
2028		448.7		798.6		1,247.4		166.5		314.3		480.7		615.2		1,112.9		1,728.1
2029		454.9		810.0		1,264.9		168.7		318.8		487.5		623.6		1,128.8		1,752.4
2030		459.8		819.1		1,278.9		170.6		322.4		492.9		630.3		1,141.5		1,771.8
90-'06	0.3%	0.1%	0.1%	0.2%	0.2%	0.1%	3.2%	3.1%	3.5%	3.6%	3.4%	3.4%	0.9%	0.7%	0.9%	0.9%	0.9%	0.9%
07-'10		2.1%		2.4%		2.3%		2.1%		1.9%		2.0%		2.1%		2.2%		2.2%
10-'15		1.7%		2.0%		1.9%		1.7%		2.0%		1.9%		1.7%		2.0%		1.9%
15-'20		1.3%		1.6%		1.5%		1.3%		1.6%		1.5%		1.3%		1.6%		1.5%
20-'25		1.1%		1.2%		1.1%		1.1%		1.2%		1.1%		1.1%		1.2%		1.2%
25-'30		1.3%		1.3%		1.3%		1.3%		1.3%		1.3%		1.3%		1.3%		1.3%
07-'30		1.4%		1.6%		1.6%		1.5%		1.6%		1.5%		1.4%		1.6%		1.6%



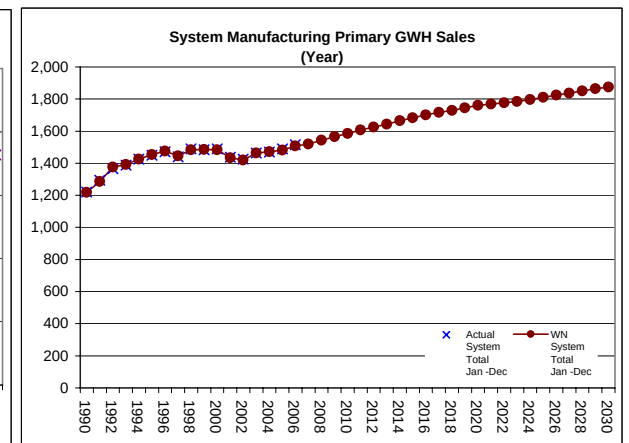
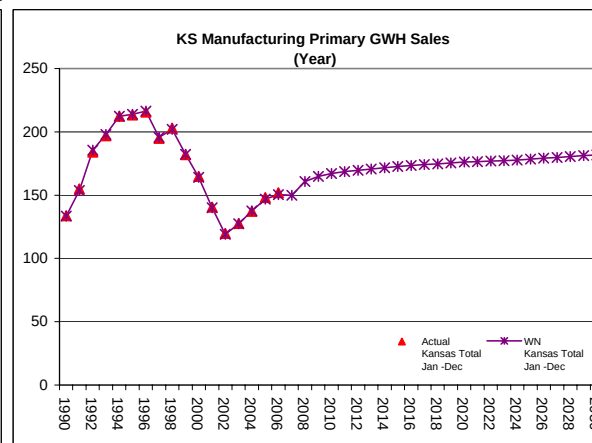
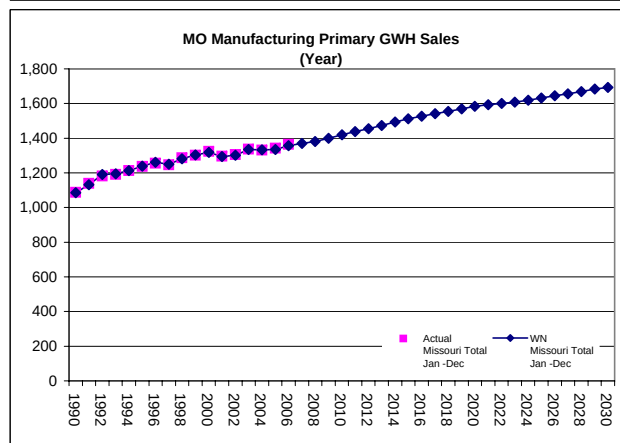
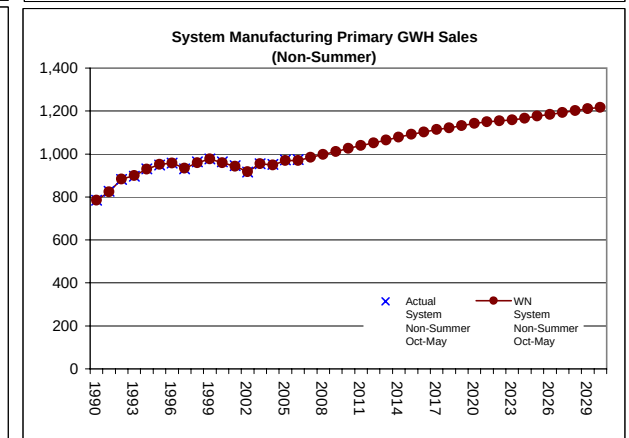
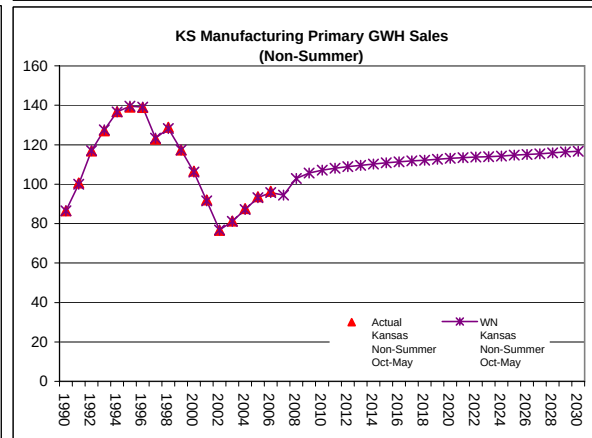
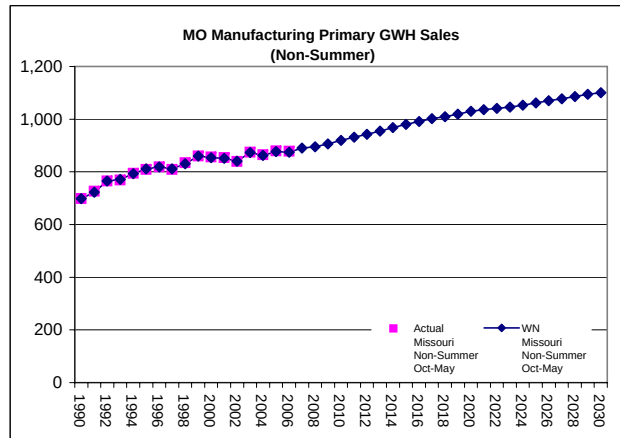
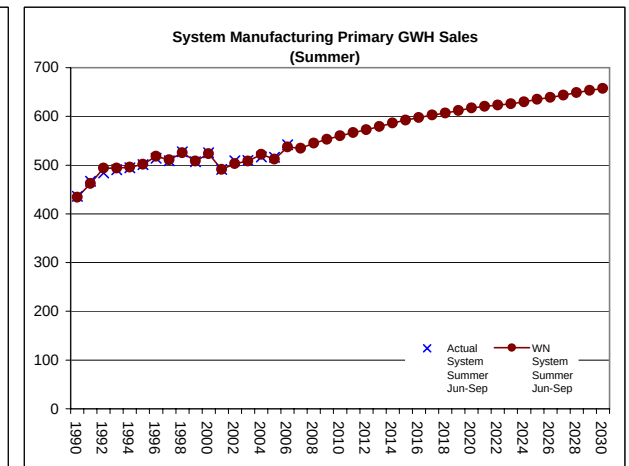
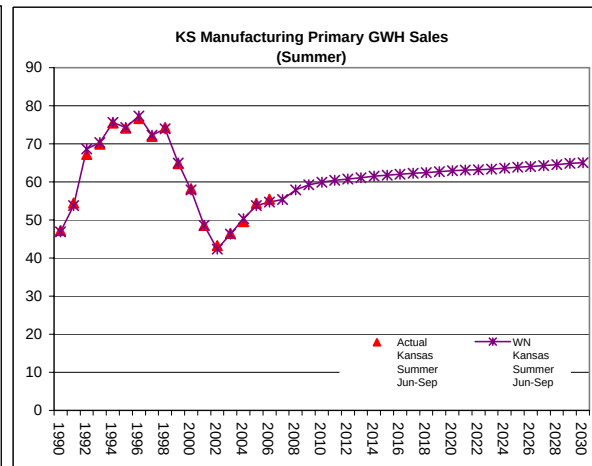
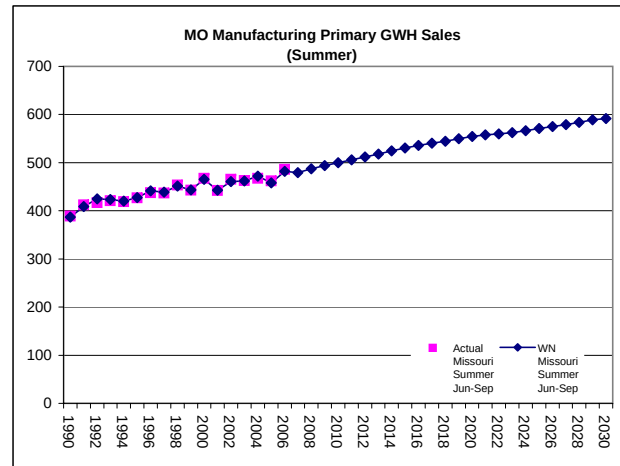
Plot H-20 Missouri & Kansas Commercial GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System Total Jan -Dec
1990	1,251.8	1,247.1	2,023.4	2,019.6	3,275.2	3,266.7	603.2	599.7	973.1	974.7	1,576.4	1,574.4	1,855.1	1,846.8	2,996.5	2,994.3	4,851.6	4,841.0
1991	1,310.4	1,268.3	2,100.6	2,074.0	3,411.0	3,342.3	646.0	627.2	1,038.9	1,026.2	1,684.9	1,653.4	1,956.4	1,895.5	3,139.6	3,100.2	5,095.9	4,995.7
1992	1,207.8	1,281.1	2,100.5	2,130.7	3,308.2	3,411.8	607.3	642.9	1,066.4	1,081.1	1,673.8	1,724.0	1,815.1	1,924.1	3,166.9	3,211.8	4,982.0	5,135.8
1993	1,250.2	1,264.7	2,112.2	2,119.0	3,362.4	3,383.7	642.5	650.6	1,093.6	1,095.7	1,736.1	1,746.3	1,892.7	1,915.3	3,205.8	3,214.7	5,098.4	5,130.0
1994	1,289.8	1,297.2	2,192.5	2,192.0	3,482.3	3,489.2	671.1	675.1	1,142.3	1,141.9	1,813.5	1,817.1	1,960.9	1,972.3	3,334.8	3,333.9	5,295.8	5,306.2
1995	1,334.1	1,345.9	2,212.6	2,230.1	3,546.7	3,575.9	696.6	701.7	1,176.0	1,185.5	1,872.6	1,887.2	2,030.7	2,047.5	3,388.6	3,415.6	5,419.3	5,463.2
1996	1,353.9	1,381.2	2,357.3	2,339.6	3,711.2	3,720.9	716.7	733.2	1,228.0	1,217.2	1,944.8	1,950.3	2,070.7	2,114.4	3,585.3	3,556.8	5,656.0	5,671.2
1997	1,407.3	1,436.3	2,436.7	2,433.4	3,844.0	3,869.7	760.9	776.1	1,313.5	1,313.2	2,074.4	2,089.3	2,168.1	2,212.4	3,750.2	3,746.7	5,918.4	5,959.1
1998	1,472.2	1,450.0	2,472.3	2,478.0	3,944.5	3,928.0	845.5	832.8	1,399.0	1,401.4	2,244.5	2,234.3	2,317.7	2,282.8	3,871.3	3,879.5	6,189.0	6,162.3
1999	1,480.3	1,453.9	2,421.5	2,489.9	3,901.8	3,943.7	908.5	909.8	1,470.5	1,495.2	2,379.0	2,405.0	2,388.9	2,363.7	3,892.0	3,985.1	6,280.8	6,348.8
2000	1,509.3	1,490.6	2,543.2	2,531.2	4,052.5	4,021.8	964.6	952.7	1,594.3	1,583.4	2,558.9	2,536.0	2,473.8	2,443.3	4,137.6	4,114.6	6,611.4	6,557.8
2001	1,493.7	1,487.4	2,610.9	2,586.4	4,104.7	4,073.8	1,011.1	1,008.3	1,744.4	1,730.0	2,755.5	2,738.4	2,504.9	2,495.7	4,355.3	4,316.5	6,860.2	6,812.2
2002	1,513.8	1,478.0	2,557.2	2,567.7	4,071.0	4,045.7	1,050.1	1,024.0	1,762.1	1,770.9	2,812.2	2,794.9	2,563.8	2,502.0	4,319.4	4,338.6	6,883.2	6,840.6
2003	1,492.3	1,480.6	2,602.8	2,601.7	4,095.1	4,082.3	1,036.2	1,028.7	1,807.6	1,806.5	2,843.8	2,835.2	2,528.6	2,509.4	4,410.4	4,408.2	6,939.0	6,917.6
2004	1,483.4	1,525.5	2,611.0	2,618.0	4,094.3	4,143.5	1,053.5	1,080.5	1,822.3	1,829.9	2,875.9	2,910.4	2,536.9	2,606.0	4,433.3	4,447.9	6,970.2	7,053.9
2005	1,575.1	1,544.6	2,685.7	2,671.4	4,260.8	4,216.0	1,140.8	1,118.1	1,897.7	1,888.9	3,038.5	3,007.0	2,715.9	2,662.7	4,583.4	4,560.3	7,299.3	7,223.1
2006	1,626.6	1,573.6	2,690.7	2,728.8	4,317.2	4,302.4	1,164.7	1,127.7	1,913.3	1,943.5	3,078.0	3,071.2	2,791.3	2,701.3	4,603.9	4,672.3	7,395.2	7,373.6
2007		1,582.3		2,785.9		4,368.3		1,151.8		2,019.0		3,170.8		2,734.1		4,805.0		7,539.0
2008		1,624.0		2,837.5		4,461.5		1,181.0		2,050.9		3,231.9		2,805.0		4,888.4		7,693.4
2009		1,651.9		2,896.5		4,548.3		1,208.9		2,104.4		3,313.2		2,860.8		5,000.8		7,861.6
2010		1,673.3		2,950.4		4,623.7		1,233.6		2,157.1		3,390.7		2,907.0		5,107.5		8,014.4
2011		1,695.0		3,003.1		4,698.0		1,258.5		2,209.5		3,468.0		2,953.4		5,212.6		8,166.0
2012		1,719.9		3,058.3		4,778.2		1,284.6		2,262.2		3,546.7		3,004.4		5,320.5		8,324.9
2013		1,746.9		3,119.2		4,866.2		1,311.5		2,317.4		3,628.9		3,058.4		5,436.7		8,495.1
2014		1,776.0		3,185.3		4,961.4		1,340.3		2,377.1		3,717.5		3,116.3		5,562.5		8,678.8
2015		1,801.9		3,246.9		5,048.8		1,367.3		2,434.4		3,801.7		3,169.2		5,681.2		8,850.4
2016		1,823.2		3,300.3		5,123.5		1,392.0		2,487.5		3,879.5		3,215.2		5,787.8		9,003.0
2017		1,842.2		3,350.0		5,192.2		1,415.6		2,539.2		3,954.8		3,257.8		5,889.2		9,147.0
2018		1,858.4		3,393.7		5,252.1		1,436.6		2,586.1		4,022.8		3,295.0		5,979.9		9,274.9
2019		1,878.9		3,441.5		5,320.4		1,460.7		2,635.8		4,096.5		3,339.6		6,077.3		9,416.9
2020		1,899.4		3,491.7		5,391.1		1,484.4		2,686.7		4,171.1		3,383.8		6,178.4		9,562.2
2021		1,913.8		3,526.5		5,440.3		1,503.7		2,726.2		4,229.9		3,417.6		6,252.7		9,670.2
2022		1,925.1		3,556.3		5,481.4		1,520.9		2,762.6		4,283.5		3,446.0		6,318.9		9,764.9
2023		1,935.6		3,582.9		5,518.4		1,537.5		2,796.6		4,334.1		3,473.1		6,379.5		9,852.6
2024		1,952.0		3,618.0		5,570.0		1,558.8		2,837.4		4,396.1		3,510.7		6,455.4		9,966.1
2025		1,970.7		3,660.0		5,630.7		1,581.5		2,883.0		4,464.5		3,552.1		6,543.0		10,095.2
2026		1,986.9		3,697.9		5,684.8		1,602.2		2,925.2		4,527.4		3,589.1		6,623.1		10,212.2
2027		2,003.5		3,734.6		5,738.1		1,623.3		2,966.7		4,589.9		3,626.7		6,701.3		10,328.0
2028		2,022.1		3,774.1		5,796.2		1,645.6		3,009.7		4,655.3		3,667.7		6,783.9		10,451.6
2029		2,041.1		3,815.0		5,856.1		1,667.7		3,053.0		4,720.7		3,708.9		6,868.0		10,576.8
2030		2,055.1		3,846.3		5,901.4		1,685.3		3,087.6		4,772.9		3,740.4		6,933.8		10,674.3
90-'06	1.7%	1.5%	1.8%	1.9%	1.7%	1.7%	4.2%	4.0%	4.3%	4.4%	4.3%	4.3%	2.6%	2.4%	2.7%	2.8%	2.7%	2.7%
07-'10		1.9%		1.9%		1.9%		2.3%		2.2%		2.3%		2.1%		2.1%		2.1%
10-'15		1.5%		1.9%		1.8%		2.1%		2.4%		2.3%		1.7%		2.2%		2.0%
15-'20		1.1%		1.5%		1.3%		1.7%		2.0%		1.9%		1.3%		1.7%		1.6%
20-'25		0.7%		0.9%		0.9%		1.3%		1.4%		1.4%		1.0%		1.2%		1.1%
25-'30		0.8%		1.0%		0.9%		1.3%		1.4%		1.3%		1.0%		1.2%		1.1%
07-'30		1.1%		1.4%		1.3%		1.7%		1.9%		1.8%		1.4%		1.6%		1.5%



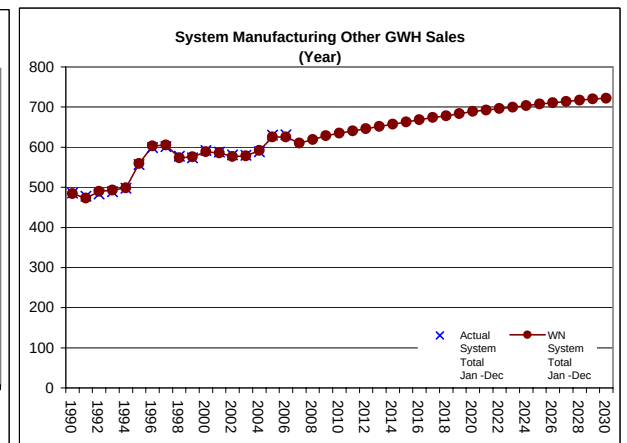
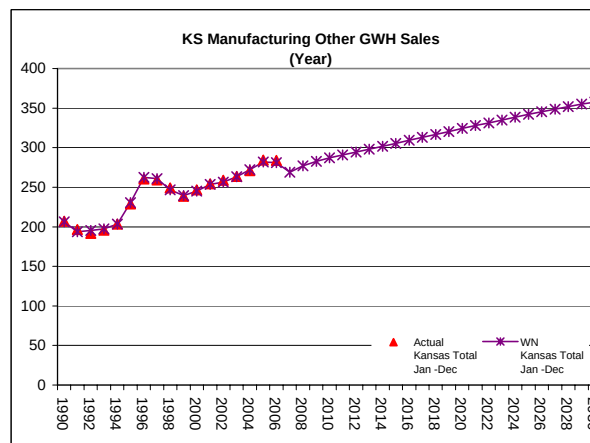
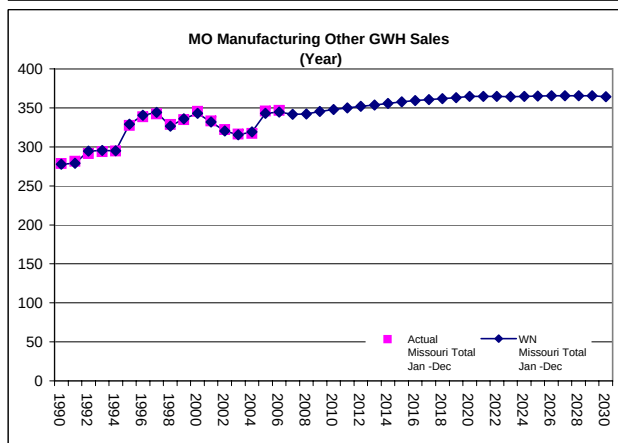
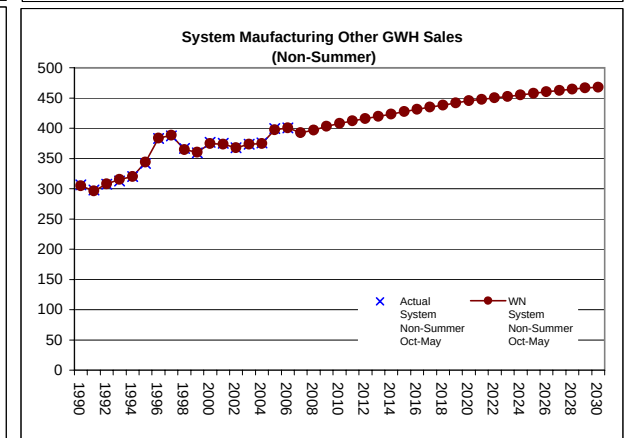
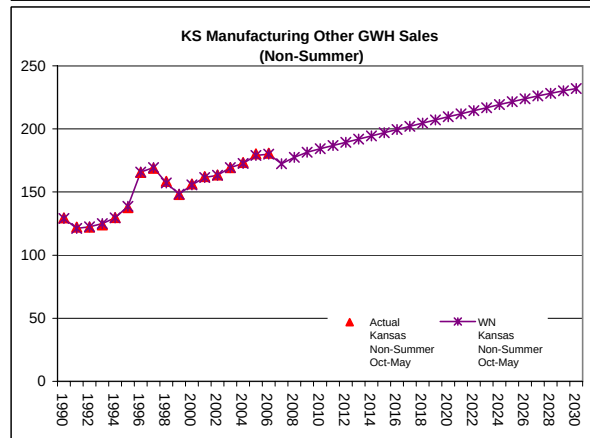
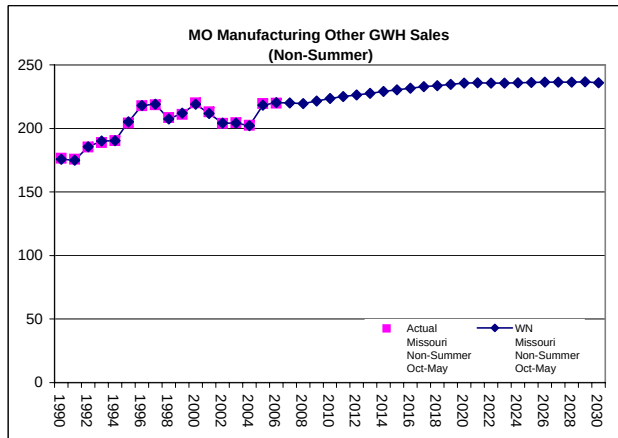
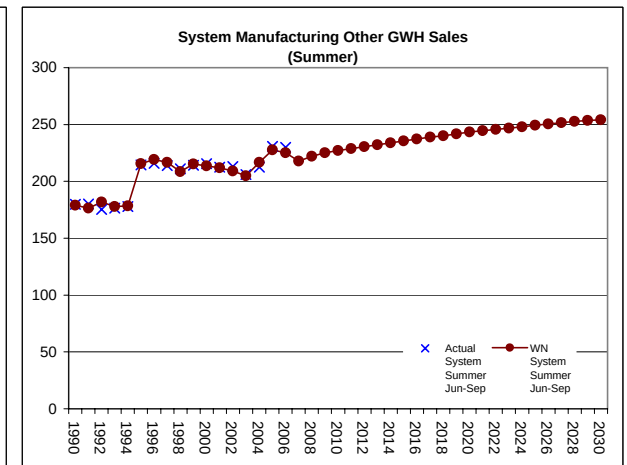
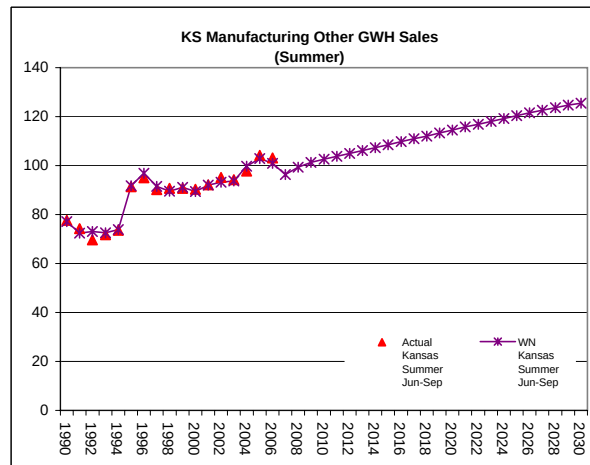
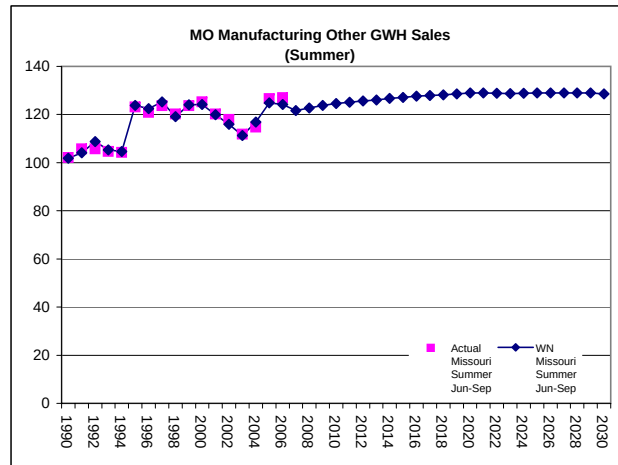
Plot H-21 Missouri & Kansas Manufacturing Primary GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
	Actual Jun-Sep	WN Jun-Sep	Actual Oct-May	WN Oct-May	Actual Jan-Dec	WN Jan-Dec	Actual Jun-Sep	WN Jun-Sep	Actual Oct-May	WN Oct-May	Actual Jan-Dec	WN Jan-Dec	Actual Jun-Sep	WN Jun-Sep	Actual Oct-May	WN Oct-May	Actual Jan-Dec	WN Jan-Dec
1990	388.7	386.8	698.8	698.4	1,087.5	1,085.2	47.2	46.9	86.5	86.4	133.8	133.4	436.0	433.8	785.3	784.8	1,221.3	1,218.6
1991	412.3	408.8	726.2	723.1	1,138.5	1,132.0	54.4	53.8	100.5	100.0	155.0	153.8	466.7	462.6	826.8	823.2	1,293.5	1,285.8
1992	417.0	424.9	765.2	765.6	1,182.2	1,190.5	67.2	68.6	116.9	117.0	184.1	185.6	484.2	493.5	882.1	882.6	1,366.3	1,376.1
1993	420.8	423.2	769.1	771.7	1,189.9	1,194.9	69.9	70.3	127.1	127.6	197.0	197.9	490.7	493.5	896.2	899.2	1,386.9	1,392.8
1994	418.9	419.9	794.2	793.4	1,213.1	1,213.3	75.4	75.6	136.8	136.7	212.2	212.3	494.3	495.5	931.0	930.1	1,425.3	1,425.6
1995	427.0	427.6	809.3	811.6	1,236.3	1,239.2	74.1	74.3	139.1	139.5	213.3	213.8	501.1	501.8	948.4	951.2	1,449.6	1,453.0
1996	437.4	441.1	818.3	819.0	1,255.7	1,260.1	76.6	77.3	139.0	139.1	215.6	216.4	514.0	518.4	957.3	958.1	1,471.3	1,476.5
1997	436.7	438.6	808.5	810.7	1,245.2	1,249.3	71.9	72.3	122.9	123.3	194.8	195.5	508.6	510.8	931.4	934.0	1,440.0	1,444.8
1998	453.3	451.6	834.2	830.5	1,287.4	1,282.1	74.3	74.0	128.8	128.1	203.0	202.1	527.5	525.6	962.9	958.6	1,490.5	1,484.2
1999	442.4	443.5	859.4	859.3	1,301.8	1,302.8	64.8	65.0	117.3	117.3	182.1	182.3	507.2	508.4	976.7	976.6	1,483.9	1,485.1
2000	467.3	465.5	856.5	853.5	1,323.7	1,319.0	58.2	57.9	106.7	106.1	164.9	164.1	525.5	523.5	963.2	959.6	1,488.6	1,483.1
2001	442.3	442.5	854.4	851.6	1,296.7	1,294.1	48.6	48.6	92.1	91.6	140.6	140.2	490.9	491.1	946.4	943.2	1,437.3	1,434.3
2002	465.4	460.4	839.7	840.7	1,305.1	1,301.1	43.3	42.4	76.6	76.8	119.9	119.2	508.6	502.8	916.3	917.5	1,424.9	1,420.3
2003	462.9	461.9	873.9	873.3	1,336.8	1,335.2	46.5	46.3	81.2	81.1	127.7	127.4	509.3	508.2	955.1	954.4	1,464.4	1,462.6
2004	467.2	471.8	864.4	862.0	1,331.7	1,333.8	49.6	50.4	87.6	87.2	137.1	137.5	516.8	522.1	952.0	949.2	1,468.8	1,471.3
2005	461.7	458.1	879.6	876.8	1,341.3	1,334.9	54.4	53.8	93.7	93.2	148.1	146.9	516.1	511.9	973.3	970.0	1,489.4	1,481.9
2006	486.1	482.2	878.0	874.1	1,364.0	1,356.3	55.4	54.7	96.4	95.8	151.9	150.5	541.5	536.9	974.4	969.9	1,515.9	1,506.8
2007		479.2		889.8		1,369.0		55.4		94.5		149.9		534.6		984.2		1,518.9
2008		487.1		894.6		1,381.8		57.9		102.8		160.7		545.0		997.4		1,542.5
2009		493.7		906.4		1,400.1		59.2		105.6		164.8		552.9		1,012.0		1,564.9
2010		499.9		919.3		1,419.2		59.9		107.1		167.1		559.8		1,026.4		1,586.2
2011		506.1		931.6		1,437.7		60.4		108.1		168.5		566.5		1,039.8		1,606.2
2012		511.8		943.1		1,454.9		60.8		108.9		169.6		572.6		1,052.0		1,624.6
2013		517.8		954.9		1,472.7		61.1		109.5		170.6		578.9		1,064.4		1,643.3
2014		524.6		968.5		1,493.1		61.5		110.2		171.7		586.1		1,078.7		1,664.8
2015		530.5		980.7		1,511.2		61.8		110.8		172.6		592.3		1,091.5		1,683.8
2016		535.8		991.4		1,527.2		62.0		111.3		173.3		597.8		1,102.7		1,700.5
2017		540.6		1,001.6		1,542.2		62.3		111.8		174.1		602.9		1,113.4		1,716.3
2018		544.3		1,009.7		1,554.0		62.4		112.2		174.6		606.7		1,121.9		1,728.6
2019		549.4		1,019.4		1,568.9		62.7		112.7		175.3		612.1		1,132.1		1,744.2
2020		554.4		1,029.8		1,584.2		62.9		113.1		176.1		617.3		1,143.0		1,760.2
2021		557.4		1,035.7		1,593.1		63.1		113.4		176.5		620.5		1,149.1		1,769.6
2022		559.9		1,040.8		1,600.7		63.2		113.7		176.9		623.1		1,154.5		1,777.6
2023		562.3		1,045.4		1,607.7		63.3		113.9		177.2		625.7		1,159.3		1,785.0
2024		566.4		1,052.6		1,619.0		63.6		114.3		177.8		630.0		1,166.8		1,796.8
2025		571.1		1,061.8		1,632.9		63.8		114.7		178.5		634.9		1,176.5		1,811.4
2026		575.2		1,069.5		1,644.7		64.1		115.1		179.1		639.2		1,184.6		1,823.8
2027		579.1		1,076.9		1,656.0		64.3		115.4		179.7		643.3		1,192.4		1,835.7
2028		583.9		1,085.6		1,669.5		64.6		115.9		180.4		648.5		1,201.5		1,849.9
2029		588.8		1,094.7		1,683.5		64.9		116.3		181.2		653.7		1,211.0		1,864.6
2030		592.0		1,100.5		1,692.4		65.0		116.6		181.6		657.0		1,217.1		1,874.1
90-'06	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.0%	1.0%	0.7%	0.6%	0.8%	0.8%	1.4%	1.3%	1.4%	1.3%	1.4%	1.3%
07-'10		1.4%		1.1%		1.2%		2.7%		4.3%		3.7%		1.5%		1.4%		1.5%
10-'15		1.2%		1.3%		1.3%		0.6%		0.7%		0.7%		1.1%		1.2%		1.2%
15-'20		0.9%		1.0%		0.9%		0.4%		0.4%		0.4%		0.8%		0.9%		0.9%
20-'25		0.6%		0.6%		0.6%		0.3%		0.3%		0.3%		0.6%		0.6%		0.6%
25-'30		0.7%		0.7%		0.7%		0.4%		0.3%		0.3%		0.7%		0.7%		0.7%
07-'30		0.9%		0.9%		0.9%		0.7%		0.9%		0.8%		0.9%		0.9%		0.9%



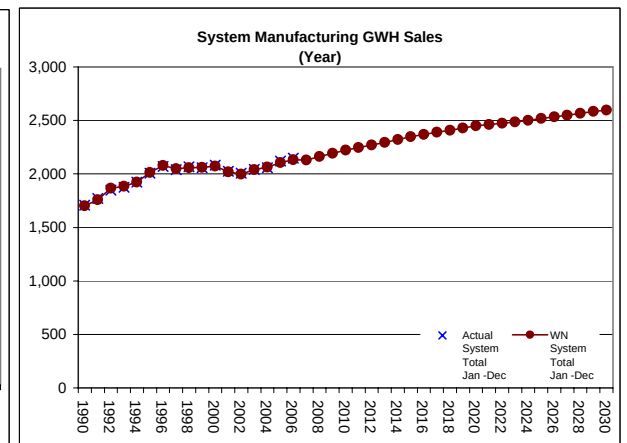
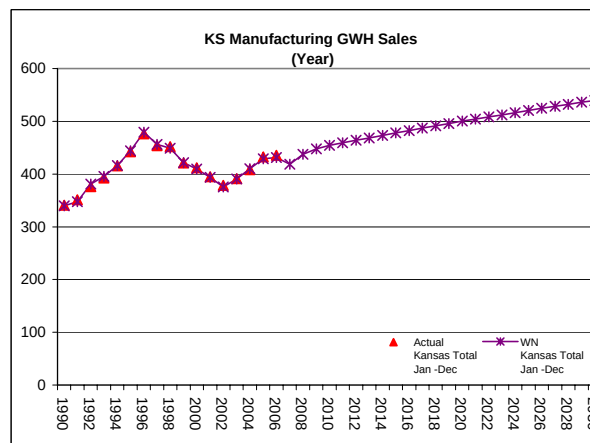
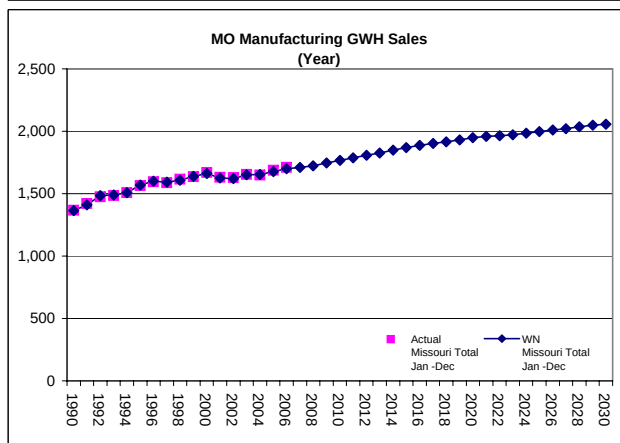
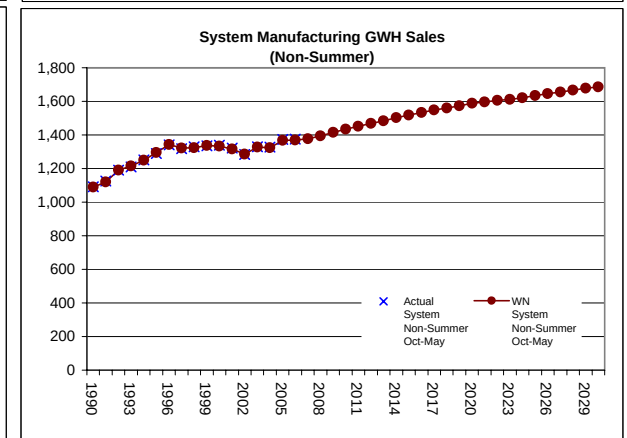
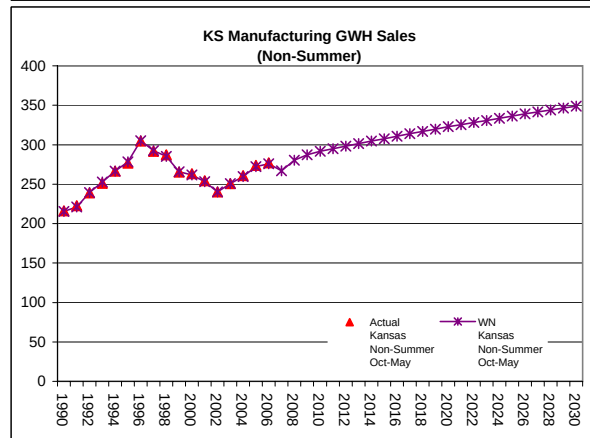
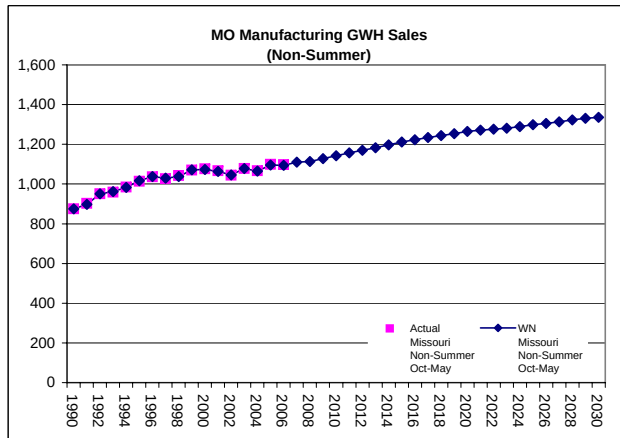
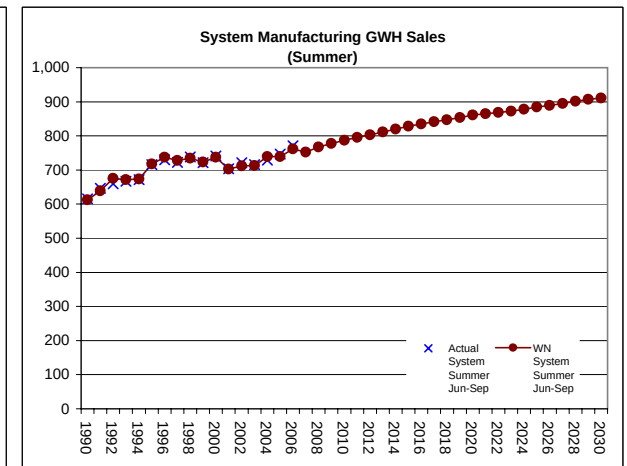
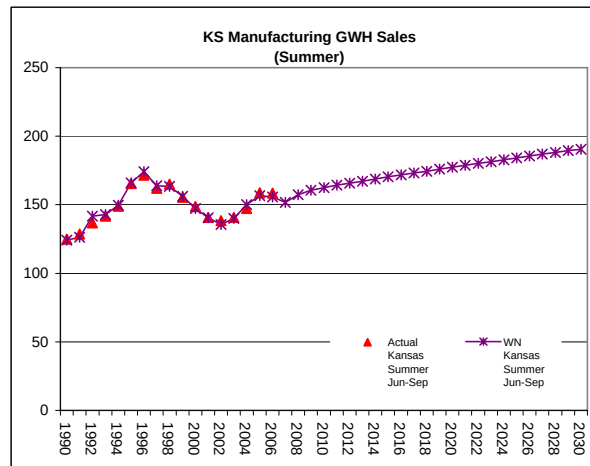
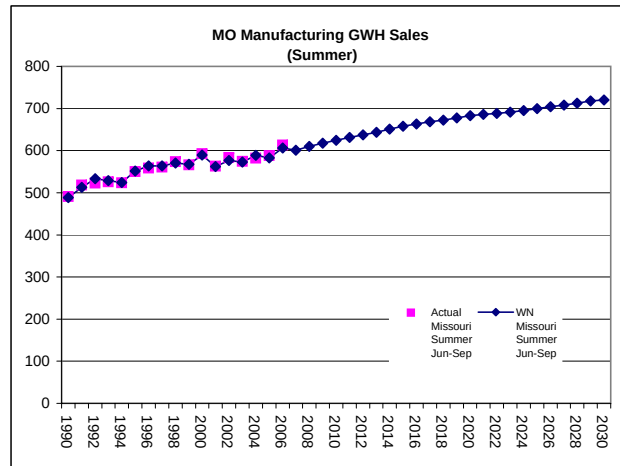
**Plot H-22 Missouri & Kansas Manufacturing Other GWH Sales
(Actual vs. Weather Normalized)**

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	102.1	101.8	176.5	175.8	278.6	277.6	77.7	77.2	129.6	129.0	207.3	206.2	179.7	179.0	306.1	304.8	485.9	483.8
1991	105.8	104.1	175.8	175.0	281.6	279.0	74.3	72.4	122.1	121.3	196.4	193.7	180.0	176.5	298.0	296.3	478.0	472.7
1992	105.8	108.8	185.3	185.6	291.1	294.4	69.6	73.1	122.2	122.4	191.9	195.5	175.4	181.9	307.6	307.9	483.0	489.8
1993	104.7	105.4	188.9	190.1	293.6	295.5	71.7	72.5	124.1	125.1	195.8	197.5	176.4	177.8	312.9	315.2	489.3	493.0
1994	104.3	104.6	190.4	190.2	294.7	294.8	73.5	73.9	129.8	129.7	203.4	203.6	177.8	178.5	320.2	319.9	498.0	498.4
1995	123.1	123.8	204.2	205.1	327.3	328.9	91.4	91.8	137.7	138.7	229.1	230.5	214.5	215.6	341.9	343.8	556.4	559.4
1996	120.8	122.4	217.8	218.0	338.6	340.5	95.0	96.8	165.5	165.8	260.5	262.6	215.8	219.3	383.3	383.8	599.1	603.1
1997	123.7	125.2	218.5	218.9	342.2	344.1	90.2	91.5	168.9	169.3	259.1	260.9	213.8	216.7	387.5	388.3	601.3	605.0
1998	120.2	119.1	208.4	207.5	328.7	326.6	90.7	89.5	158.4	157.2	249.1	246.7	210.9	208.6	366.8	364.7	577.8	573.3
1999	123.6	124.0	211.1	211.9	334.7	335.9	90.7	91.2	148.1	148.4	238.7	239.5	214.3	215.2	359.1	360.3	573.4	575.5
2000	125.2	124.2	220.1	218.9	345.3	343.1	90.4	89.5	156.5	155.7	246.9	245.1	215.6	213.6	376.6	374.6	592.2	588.3
2001	120.3	120.0	212.9	211.8	333.2	331.8	92.1	92.0	162.2	161.6	254.3	253.6	212.4	212.0	375.1	373.4	587.5	585.4
2002	118.0	116.0	204.0	204.2	321.9	320.2	95.1	93.2	163.6	163.3	258.7	256.5	213.1	209.1	367.5	367.6	580.6	576.7
2003	111.8	111.3	204.4	204.2	316.2	315.5	94.3	93.7	169.4	169.4	263.6	263.1	206.1	205.0	373.7	373.6	579.8	578.6
2004	114.7	116.9	202.5	202.2	317.2	319.1	97.8	99.7	173.4	172.6	271.1	272.4	212.4	216.7	375.9	374.9	588.3	591.5
2005	126.5	124.9	219.4	218.2	346.0	343.1	104.2	102.8	180.3	179.1	284.5	281.9	230.8	227.7	399.7	397.3	630.5	625.0
2006	126.9	124.2	219.8	220.4	346.7	344.5	103.1	100.9	180.9	180.0	283.9	280.9	230.0	225.1	400.7	400.3	630.7	625.4
2007		121.6		220.0		341.6		96.3		172.5		268.8		218.0		392.5		610.4
2008		122.7		219.4		342.1		99.4		177.5		276.9		222.1		396.9		619.0
2009		123.8		221.6		345.5		101.3		181.5		282.8		225.2		403.1		628.3
2010		124.5		223.5		348.0		102.6		184.4		287.1		227.2		407.9		635.1
2011		125.1		225.0		350.1		103.8		186.9		290.7		228.9		411.9		640.8
2012		125.6		226.2		351.8		105.0		189.4		294.4		230.6		415.7		646.3
2013		126.1		227.5		353.6		106.1		191.8		297.9		232.2		419.4		651.5
2014		126.7		229.1		355.7		107.3		194.4		301.7		234.0		423.4		657.4
2015		127.2		230.5		357.6		108.5		196.9		305.4		235.7		427.4		663.1
2016		127.6		231.7		359.2		109.7		199.5		309.2		237.3		431.1		668.4
2017		127.9		232.8		360.7		111.0		202.0		313.0		238.9		434.8		673.7
2018		128.1		233.6		361.7		112.0		204.5		316.6		240.2		438.1		678.3
2019		128.5		234.5		363.1		113.3		207.1		320.4		241.9		441.6		683.5
2020		128.9		235.6		364.5		114.6		209.7		324.2		243.5		445.3		688.8
2021		128.9		235.8		364.7		115.8		212.1		327.8		244.7		447.9		692.6
2022		128.8		235.8		364.6		116.9		214.5		331.4		245.7		450.3		696.0
2023		128.7		235.6		364.3		118.1		216.9		334.9		246.8		452.5		699.3
2024		128.8		235.8		364.6		119.2		219.3		338.5		248.0		455.1		703.1
2025		128.9		236.2		365.2		120.4		221.7		342.1		249.4		457.9		707.3
2026		129.0		236.4		365.4		121.5		223.9		345.4		250.5		460.3		710.8
2027		129.0		236.4		365.4		122.6		226.1		348.7		251.5		462.5		714.0
2028		129.0		236.5		365.5		123.7		228.2		351.9		252.7		464.7		717.4
2029		129.0		236.5		365.5		124.7		230.3		355.0		253.7		466.8		720.5
2030		128.6		235.8		364.4		125.5		232.1		357.7		254.2		467.9		722.1
90-'06	1.4%	1.2%	1.4%	1.4%	1.4%	1.4%	1.8%	1.7%	2.1%	2.1%	2.0%	2.0%	1.6%	1.4%	1.7%	1.7%	1.6%	1.6%
07-'10		0.8%		0.5%		0.6%		2.1%		2.3%		2.2%		1.4%		1.3%		1.3%
10-'15		0.4%		0.6%		0.5%		1.1%		1.3%		1.2%		0.7%		0.9%		0.9%
15-'20		0.3%		0.4%		0.4%		1.1%		1.3%		1.2%		0.7%		0.8%		0.8%
20-'25		0.0%		0.1%		0.0%		1.0%		1.1%		1.1%		0.5%		0.6%		0.5%
25-'30		-0.1%		0.0%		0.0%		0.8%		0.9%		0.9%		0.4%		0.4%		0.4%
07-'30		0.2%		0.3%		0.3%		1.2%		1.3%		1.2%		0.7%		0.8%		0.7%



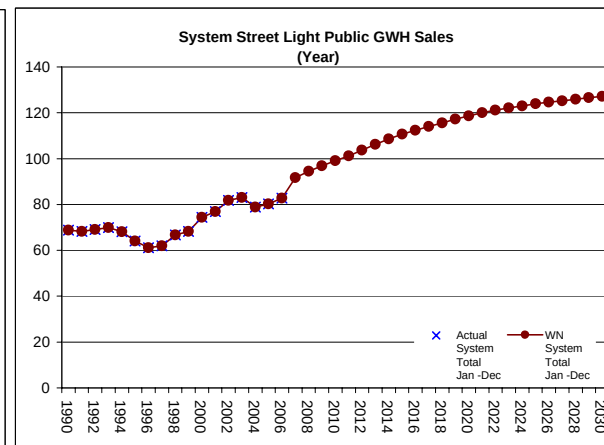
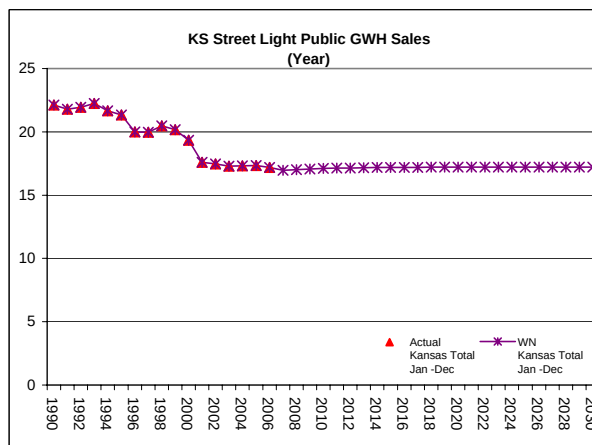
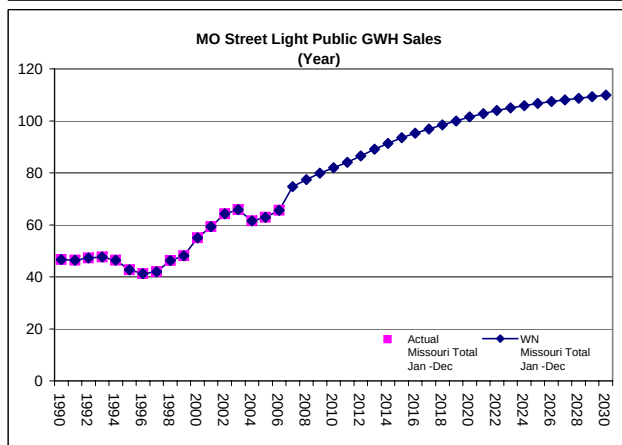
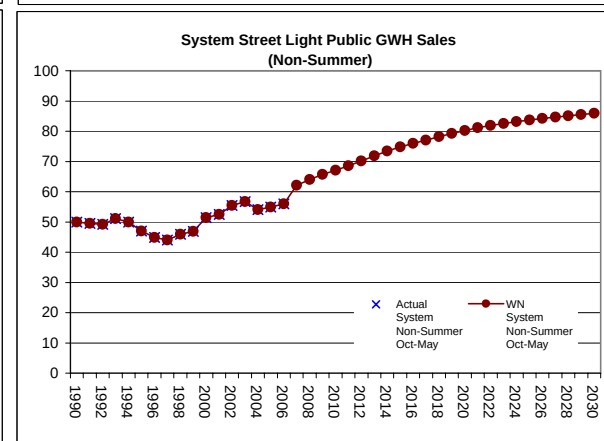
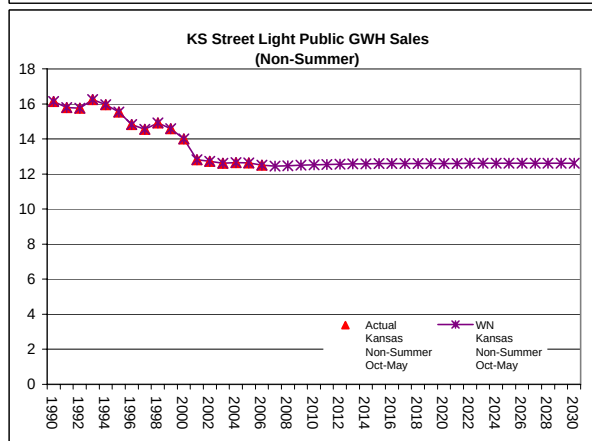
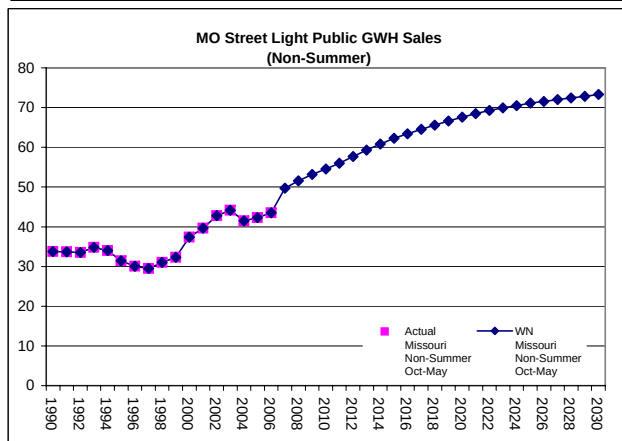
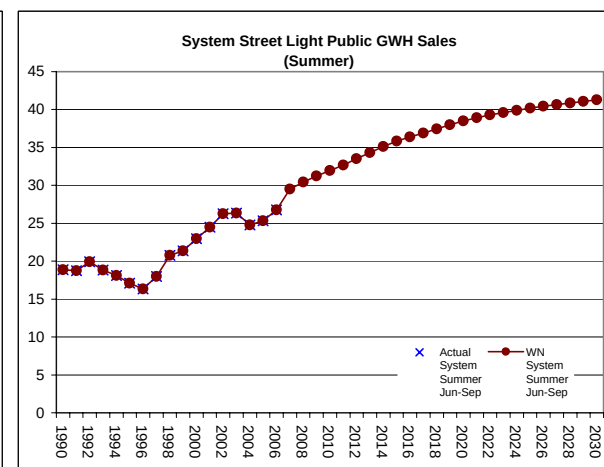
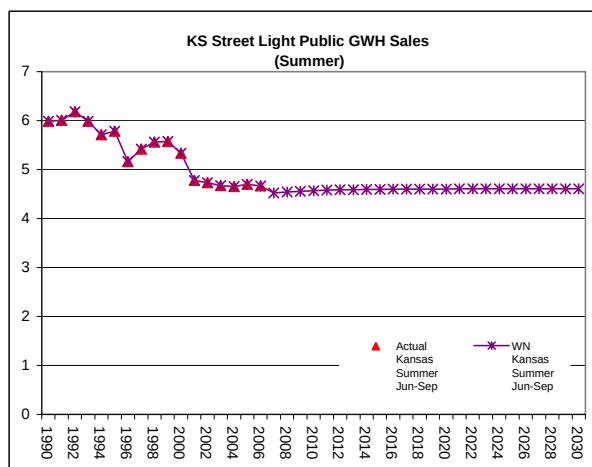
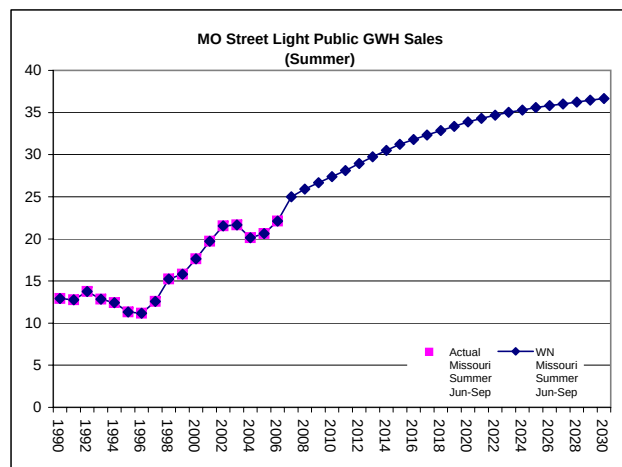
Plot H-23 Missouri & Kansas Manufacturing GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System Total Jan -Dec
1990	490.8	488.7	875.3	874.2	1,366.1	1,362.9	124.9	124.1	216.1	215.4	341.0	339.5	615.7	612.8	1,091.5	1,089.6	1,707.2	1,702.4
1991	518.1	512.9	902.1	898.1	1,420.2	1,411.0	128.7	126.2	222.7	221.3	351.4	347.5	646.8	639.1	1,124.8	1,119.4	1,771.6	1,758.5
1992	522.7	533.7	950.5	951.2	1,473.3	1,484.9	136.9	141.7	239.1	239.3	376.0	381.0	659.6	675.4	1,189.7	1,190.5	1,849.3	1,865.9
1993	525.5	528.6	957.9	961.8	1,483.5	1,490.3	141.6	142.8	251.1	252.6	392.8	395.4	667.1	671.4	1,209.1	1,214.4	1,876.2	1,885.8
1994	523.1	524.5	984.6	983.6	1,507.8	1,508.1	149.0	149.5	266.6	266.3	415.6	415.9	672.1	674.0	1,251.3	1,249.9	1,923.4	1,924.0
1995	550.1	551.4	1,013.5	1,016.7	1,563.6	1,568.1	165.5	166.1	276.8	278.3	442.4	444.3	715.6	717.4	1,290.3	1,295.0	2,006.0	2,012.4
1996	558.2	563.6	1,036.1	1,037.0	1,594.2	1,600.6	171.6	174.1	304.5	304.9	476.1	479.1	729.8	737.7	1,340.6	1,341.9	2,070.4	2,079.6
1997	560.4	563.8	1,027.1	1,029.7	1,587.5	1,593.4	162.1	163.8	291.8	292.6	453.9	456.4	722.5	727.6	1,318.9	1,322.3	2,041.3	2,049.8
1998	573.5	570.7	1,042.6	1,038.0	1,616.1	1,608.7	165.0	163.5	287.2	285.3	452.2	448.8	738.5	734.2	1,329.8	1,323.3	2,068.2	2,057.5
1999	566.0	567.5	1,070.5	1,071.2	1,636.5	1,638.7	155.4	156.1	265.4	265.7	420.8	421.8	721.5	723.6	1,335.8	1,336.9	2,057.3	2,060.5
2000	592.4	589.7	1,076.6	1,072.4	1,669.0	1,662.1	148.6	147.4	263.2	261.8	411.8	409.2	741.0	737.1	1,339.8	1,334.3	2,080.8	2,071.3
2001	562.6	562.5	1,067.3	1,063.3	1,629.9	1,625.8	140.7	140.6	254.2	253.2	395.0	393.8	703.3	703.1	1,321.5	1,316.6	2,024.8	2,019.6
2002	583.3	576.4	1,043.7	1,044.9	1,627.0	1,621.3	138.4	135.6	240.2	240.1	378.6	375.7	721.7	711.9	1,283.9	1,285.0	2,005.6	1,997.0
2003	574.7	573.2	1,078.3	1,077.5	1,653.0	1,650.7	140.7	140.0	250.6	250.5	391.3	390.6	715.4	713.2	1,328.9	1,328.0	2,044.3	2,041.2
2004	581.9	588.7	1,066.9	1,064.3	1,648.9	1,652.9	147.3	150.1	260.9	259.8	408.3	409.9	729.3	738.8	1,327.9	1,324.0	2,057.1	2,062.8
2005	588.2	583.0	1,099.0	1,095.0	1,687.3	1,678.0	158.6	156.6	274.0	272.2	432.6	428.8	746.9	739.6	1,373.0	1,367.3	2,119.9	2,106.9
2006	613.0	606.3	1,097.8	1,094.5	1,710.8	1,700.8	158.5	155.7	277.3	275.7	435.8	431.4	771.5	762.0	1,375.0	1,370.2	2,146.6	2,132.2
2007		600.9		1,109.8		1,710.6		151.7		267.0		418.7		752.6		1,376.7		2,129.3
2008		609.8		1,114.1		1,723.9		157.3		280.3		437.6		767.1		1,394.4		2,161.5
2009		617.5		1,128.1		1,745.6		160.6		287.0		447.6		778.1		1,415.1		2,193.2
2010		624.5		1,142.8		1,767.2		162.6		291.5		454.1		787.0		1,434.3		2,221.3
2011		631.1		1,156.6		1,787.7		164.2		295.1		459.3		795.4		1,451.7		2,247.0
2012		637.4		1,169.4		1,806.8		165.8		298.3		464.1		803.2		1,467.6		2,270.8
2013		643.9		1,182.4		1,826.3		167.2		301.3		468.6		811.1		1,483.8		2,294.9
2014		651.3		1,197.6		1,848.8		168.8		304.6		473.4		820.1		1,502.1		2,322.2
2015		657.7		1,211.2		1,868.8		170.3		307.7		478.0		828.0		1,518.8		2,346.8
2016		663.3		1,223.1		1,886.4		171.8		310.8		482.5		835.1		1,533.8		2,369.0
2017		668.5		1,234.4		1,902.9		173.2		313.8		487.0		841.8		1,548.2		2,390.0
2018		672.5		1,243.3		1,915.7		174.5		316.7		491.2		846.9		1,560.0		2,406.9
2019		678.0		1,254.0		1,932.0		176.0		319.7		495.7		854.0		1,573.7		2,427.7
2020		683.3		1,265.4		1,948.7		177.5		322.8		500.3		860.8		1,588.2		2,449.0
2021		686.4		1,271.5		1,957.8		178.8		325.5		504.4		865.2		1,597.0		2,462.2
2022		688.7		1,276.6		1,965.3		180.1		328.2		508.3		868.8		1,604.8		2,473.6
2023		691.0		1,281.1		1,972.1		181.4		330.8		512.2		872.4		1,611.8		2,484.3
2024		695.2		1,288.4		1,983.6		182.8		333.5		516.3		878.0		1,621.9		2,499.9
2025		700.1		1,298.0		1,998.0		184.3		336.4		520.6		884.3		1,634.4		2,518.7
2026		704.2		1,305.9		2,010.0		185.6		339.0		524.6		889.7		1,644.8		2,534.6
2027		708.0		1,313.4		2,021.4		186.9		341.5		528.4		894.9		1,654.9		2,549.8
2028		712.9		1,322.1		2,035.0		188.2		344.1		532.3		901.1		1,666.2		2,567.3
2029		717.8		1,331.2		2,049.0		189.5		346.6		536.1		907.3		1,677.8		2,585.1
2030		720.6		1,336.3		2,056.9		190.6		348.7		539.3		911.1		1,685.0		2,596.2
90-'06	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%	1.5%	1.4%	1.6%	1.6%	1.5%	1.5%	1.4%	1.4%	1.5%	1.4%	1.4%	1.4%
07-'10		1.3%		1.0%		1.1%		2.3%		3.0%		2.7%		1.5%		1.4%		1.4%
10-'15		1.0%		1.2%		1.1%		0.9%		1.1%		1.0%		1.0%		1.2%		1.1%
15-'20		0.8%		0.9%		0.8%		0.8%		1.0%		0.9%		0.8%		0.9%		0.9%
20-'25		0.5%		0.5%		0.5%		0.8%		0.8%		0.8%		0.5%		0.6%		0.6%
25-'30		0.6%		0.6%		0.6%		0.7%		0.7%		0.7%		0.6%		0.6%		0.6%
07-'30		0.8%		0.8%		0.8%		1.0%		1.2%		1.1%		0.8%		0.9%		0.9%



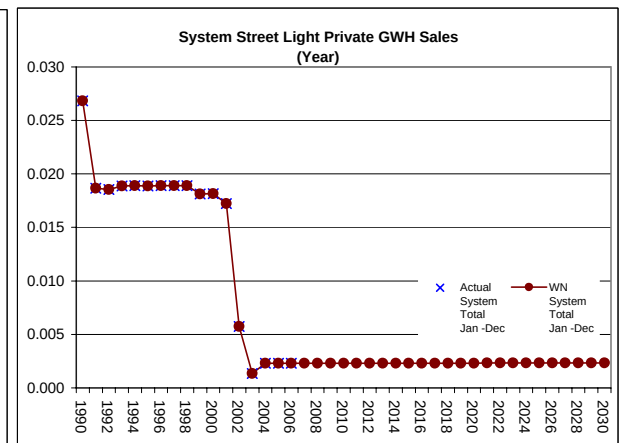
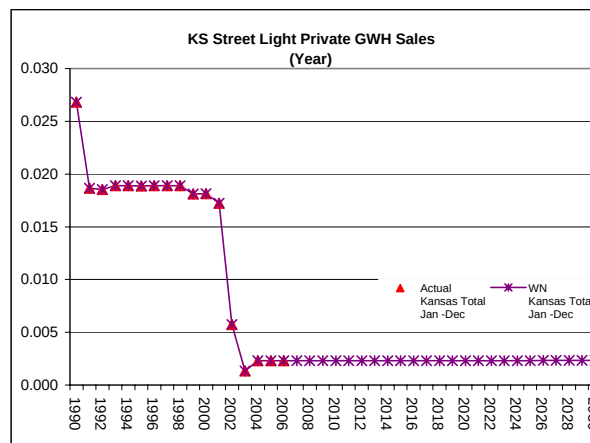
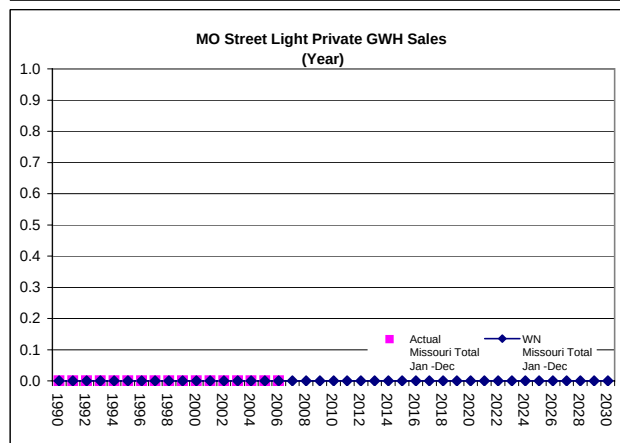
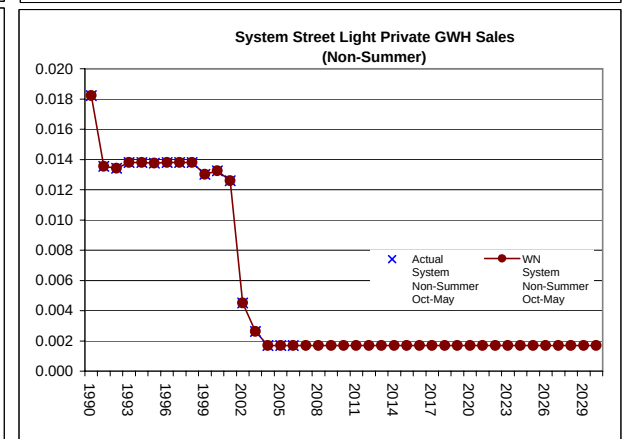
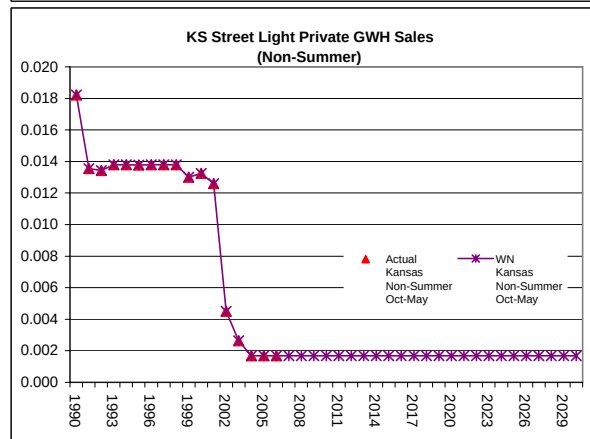
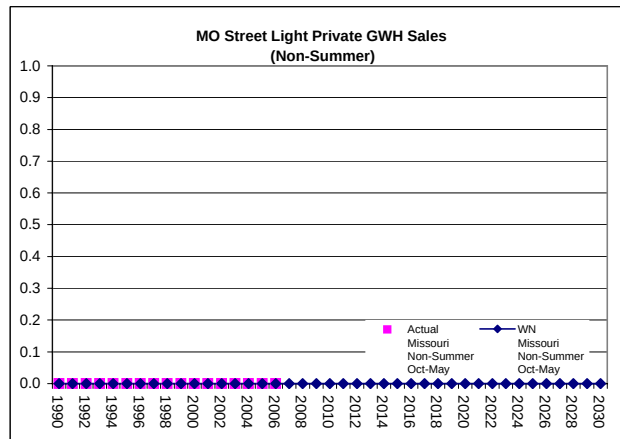
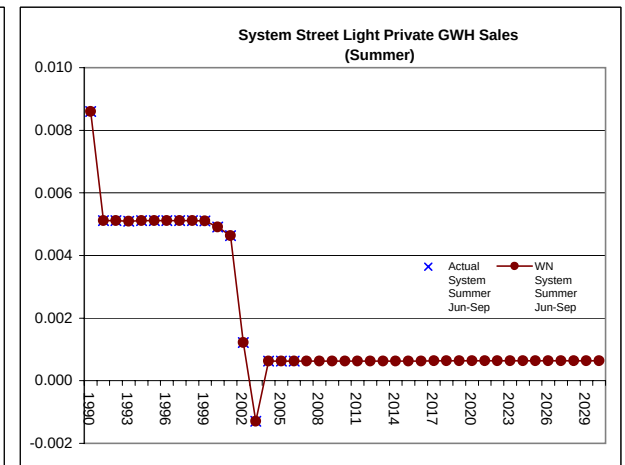
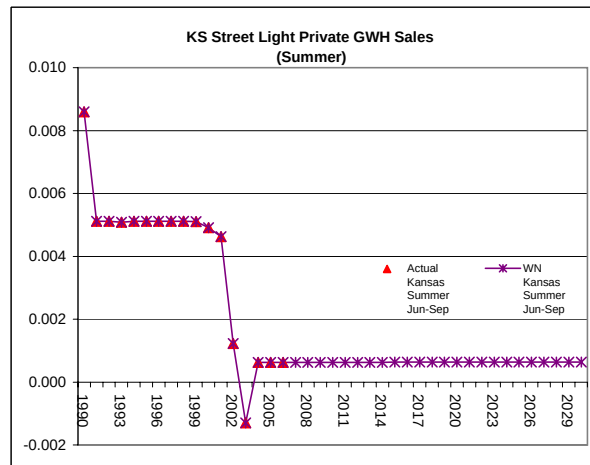
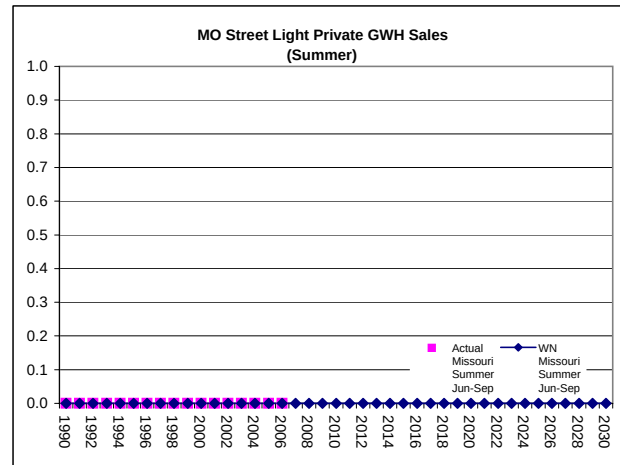
Plot H-24 Missouri & Kansas Street Light Public GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System 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
1990	12.9	12.9	33.8	33.8	46.7	46.7	6.0	6.0	16.1	16.1	22.1	22.1	18.9	18.9	49.9	49.9	68.8	68.8
1991	12.7	12.7	33.7	33.7	46.5	46.5	6.0	6.0	15.8	15.8	21.8	21.8	18.8	18.8	49.5	49.5	68.3	68.3
1992	13.7	13.7	33.5	33.5	47.2	47.2	6.2	6.2	15.7	15.7	21.9	21.9	19.9	19.9	49.2	49.2	69.1	69.1
1993	12.8	12.8	34.8	34.8	47.7	47.7	6.0	6.0	16.3	16.3	22.2	22.2	18.8	18.8	51.1	51.1	69.9	69.9
1994	12.4	12.4	34.0	34.0	46.4	46.4	5.7	5.7	15.9	15.9	21.7	21.7	18.1	18.1	50.0	50.0	68.1	68.1
1995	11.3	11.3	31.4	31.4	42.7	42.7	5.8	5.8	15.5	15.5	21.3	21.3	17.1	17.1	47.0	47.0	64.0	64.0
1996	11.2	11.2	30.0	30.0	41.2	41.2	5.2	5.2	14.8	14.8	20.0	20.0	16.3	16.3	44.9	44.9	61.2	61.2
1997	12.6	12.6	29.4	29.4	42.0	42.0	5.4	5.4	14.5	14.5	20.0	20.0	18.0	18.0	44.0	44.0	62.0	62.0
1998	15.2	15.2	31.1	31.1	46.3	46.3	5.6	5.6	14.9	14.9	20.5	20.5	20.8	20.8	46.0	46.0	66.7	66.7
1999	15.8	15.8	32.3	32.3	48.1	48.1	5.6	5.6	14.6	14.6	20.2	20.2	21.4	21.4	46.9	46.9	68.2	68.2
2000	17.6	17.6	37.4	37.4	55.0	55.0	5.3	5.3	14.0	14.0	19.3	19.3	23.0	23.0	51.4	51.4	74.4	74.4
2001	19.7	19.7	39.7	39.7	59.4	59.4	4.8	4.8	12.8	12.8	17.6	17.6	24.5	24.5	52.5	52.5	77.0	77.0
2002	21.5	21.5	42.8	42.8	64.3	64.3	4.7	4.7	12.7	12.7	17.5	17.5	26.3	26.3	55.5	55.5	81.7	81.7
2003	21.7	21.7	44.1	44.1	65.8	65.8	4.7	4.7	12.6	12.6	17.3	17.3	26.3	26.3	56.7	56.7	83.1	83.1
2004	20.1	20.1	41.5	41.5	61.6	61.6	4.7	4.7	12.7	12.7	17.3	17.3	24.8	24.8	54.1	54.1	78.9	78.9
2005	20.6	20.6	42.3	42.3	63.0	63.0	4.7	4.7	12.6	12.6	17.3	17.3	25.3	25.3	54.9	54.9	80.3	80.3
2006	22.1	22.1	43.5	43.5	65.6	65.6	4.7	4.7	12.5	12.5	17.2	17.2	26.8	26.8	56.0	56.0	82.8	82.8
2007		25.0		49.7		74.7		4.5		12.4		17.0		29.5		62.1		91.7
2008		25.9		51.6		77.5		4.5		12.5		17.0		30.4		64.0		94.5
2009		26.7		53.2		79.8		4.6		12.5		17.1		31.2		65.7		96.9
2010		27.4		54.6		81.9		4.6		12.5		17.1		31.9		67.1		99.0
2011		28.1		56.0		84.1		4.6		12.6		17.1		32.7		68.6		101.2
2012		28.9		57.6		86.6		4.6		12.6		17.2		33.5		70.2		103.7
2013		29.7		59.3		89.1		4.6		12.6		17.2		34.3		71.9		106.2
2014		30.5		60.8		91.4		4.6		12.6		17.2		35.1		73.4		108.5
2015		31.2		62.3		93.5		4.6		12.6		17.2		35.8		74.9		110.7
2016		31.8		63.4		95.2		4.6		12.6		17.2		36.4		76.0		112.4
2017		32.3		64.5		96.8		4.6		12.6		17.2		36.9		77.1		114.0
2018		32.8		65.6		98.4		4.6		12.6		17.2		37.4		78.2		115.6
2019		33.4		66.6		100.0		4.6		12.6		17.2		38.0		79.2		117.2
2020		33.9		67.6		101.5		4.6		12.6		17.2		38.5		80.2		118.7
2021		34.3		68.5		102.8		4.6		12.6		17.2		38.9		81.1		120.0
2022		34.7		69.3		103.9		4.6		12.6		17.2		39.3		81.9		121.2
2023		35.0		69.9		104.9		4.6		12.6		17.2		39.6		82.5		122.2
2024		35.3		70.5		105.8		4.6		12.6		17.2		39.9		83.1		123.0
2025		35.6		71.1		106.7		4.6		12.6		17.2		40.2		83.7		123.9
2026		35.8		71.6		107.4		4.6		12.6		17.2		40.4		84.2		124.6
2027		36.0		72.0		108.0		4.6		12.6		17.2		40.6		84.6		125.2
2028		36.2		72.4		108.7		4.6		12.6		17.2		40.8		85.0		125.9
2029		36.5		72.9		109.3		4.6		12.6		17.2		41.1		85.5		126.5
2030		36.7		73.3		109.9		4.6		12.6		17.2		41.3		85.9		127.2
90-'06	3.4%	3.4%	1.6%	1.6%	2.1%	2.1%	-1.5%	-1.5%	-1.6%	-1.6%	-1.6%	-1.6%	2.2%	2.2%	0.7%	0.7%	1.2%	1.2%
07-'10		3.1%		3.2%		3.1%		0.4%		0.2%		0.3%		2.7%		2.6%		2.6%
10-'15		2.7%		2.7%		2.7%		0.1%		0.1%		0.1%		2.3%		2.2%		2.2%
15-'20		1.6%		1.7%		1.7%		0.0%		0.0%		0.0%		1.4%		1.4%		1.4%
20-'25		1.0%		1.0%		1.0%		0.0%		0.0%		0.0%		0.9%		0.9%		0.9%
25-'30		0.6%		0.6%		0.6%		0.0%		0.0%		0.0%		0.5%		0.5%		0.5%
07-'30		1.7%		1.7%		1.7%		0.1%		0.1%		0.1%		1.5%		1.4%		1.4%



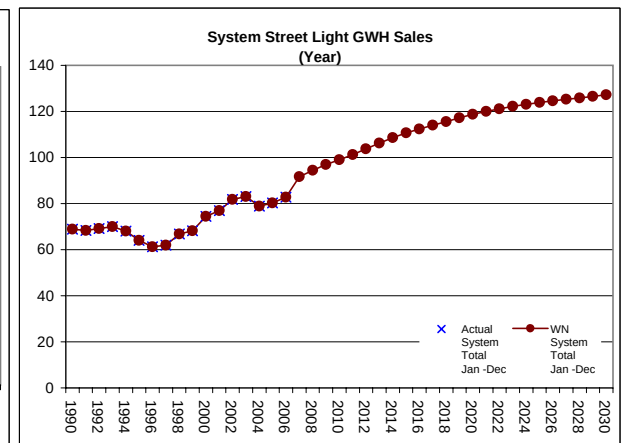
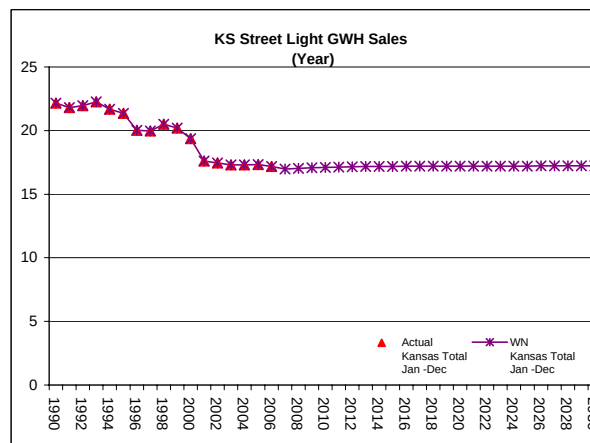
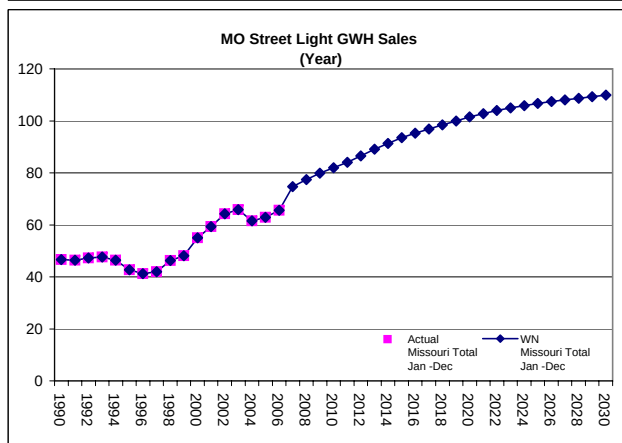
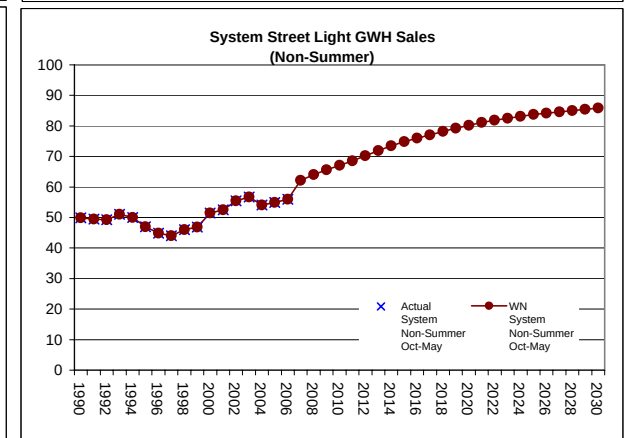
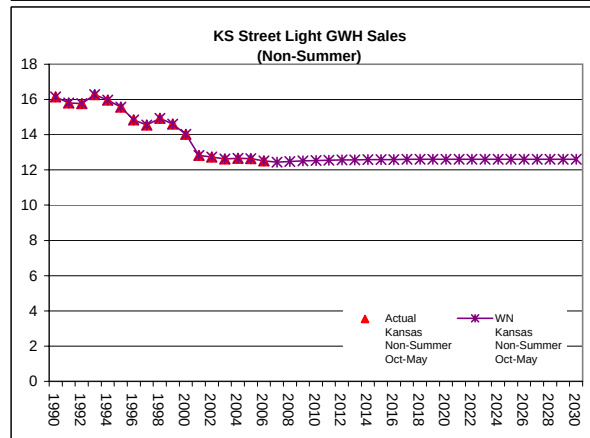
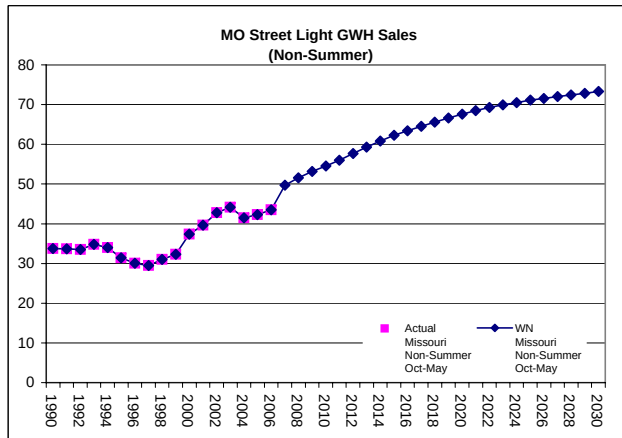
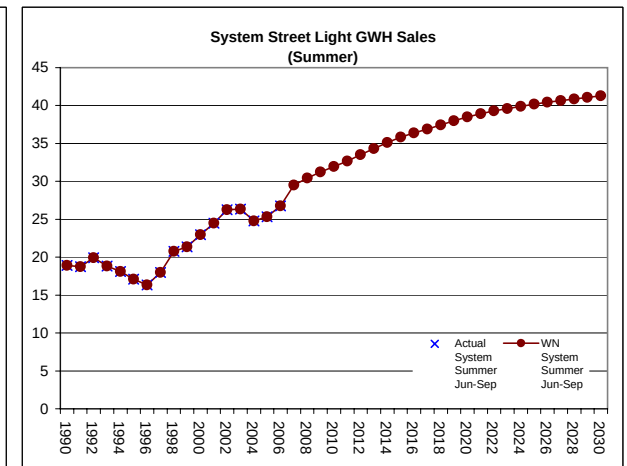
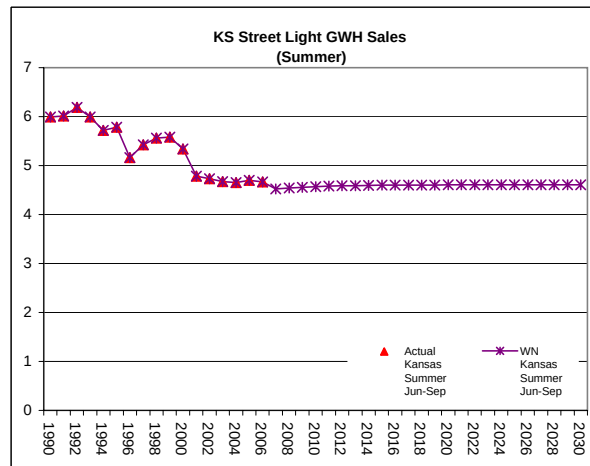
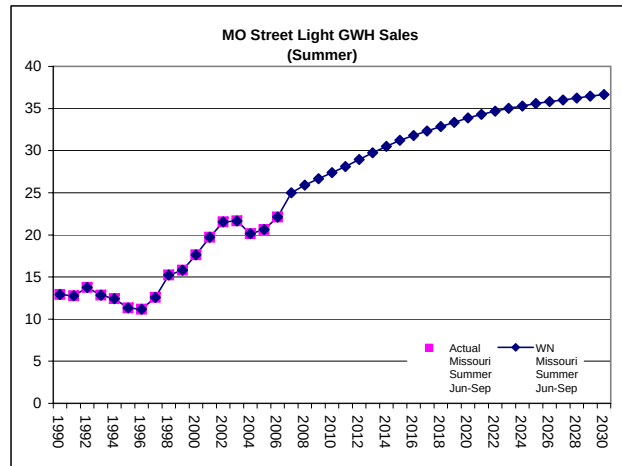
Plot H-25 Missouri & Kansas Street Light Private GWH Sales
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri	Missouri	Missouri	Missouri	Missouri	Missouri	Kansas	Kansas	Kansas	Kansas	Kansas	Kansas	System	System	System	System	System	System
	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
1990	0	0	0	0	0	0	0.0086	0.0086	0.0182	0.0182	0.0268	0.0268	0.0086	0.0086	0.0182	0.0182	0.0268	0.0268
1991	0	0	0	0	0	0	0.0051	0.0051	0.0135	0.0135	0.0187	0.0187	0.0051	0.0051	0.0135	0.0135	0.0187	0.0187
1992	0	0	0	0	0	0	0.0051	0.0051	0.0134	0.0134	0.0185	0.0185	0.0051	0.0051	0.0134	0.0134	0.0185	0.0185
1993	0	0	0	0	0	0	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189
1994	0	0	0	0	0	0	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189
1995	0	0	0	0	0	0	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189
1996	0	0	0	0	0	0	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189
1997	0	0	0	0	0	0	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189
1998	0	0	0	0	0	0	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189	0.0051	0.0051	0.0138	0.0138	0.0189	0.0189
1999	0	0	0	0	0	0	0.0051	0.0051	0.0130	0.0130	0.0181	0.0181	0.0051	0.0051	0.0130	0.0130	0.0181	0.0181
2000	0	0	0	0	0	0	0.0049	0.0049	0.0132	0.0132	0.0182	0.0182	0.0049	0.0049	0.0132	0.0132	0.0182	0.0182
2001	0	0	0	0	0	0	0.0046	0.0046	0.0126	0.0126	0.0172	0.0172	0.0046	0.0046	0.0126	0.0126	0.0172	0.0172
2002	0	0	0	0	0	0	0.0012	0.0012	0.0045	0.0045	0.0057	0.0057	0.0012	0.0012	0.0045	0.0045	0.0057	0.0057
2003	0	0	0	0	0	0	-0.0013	-0.0013	0.0026	0.0026	0.0013	0.0013	-0.0013	-0.0013	0.0026	0.0026	0.0013	0.0013
2004	0	0	0	0	0	0	0.0006	0.0006	0.0017	0.0017	0.0023	0.0023	0.0006	0.0006	0.0017	0.0017	0.0023	0.0023
2005	0	0	0	0	0	0	0.0006	0.0006	0.0017	0.0017	0.0023	0.0023	0.0006	0.0006	0.0017	0.0017	0.0023	0.0023
2006	0	0	0	0	0	0	0.0006	0.0006	0.0017	0.0017	0.0023	0.0023	0.0006	0.0006	0.0017	0.0017	0.0023	0.0023
2007		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2008		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2009		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2010		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2011		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2012		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2013		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2014		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2015		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2016		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2017		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2018		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2019		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2020		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2021		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2022		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2023		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2024		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2025		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2026		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2027		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2028		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2029		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
2030		0		0		0		0.0006		0.0017		0.0023		0.0006		0.0017		0.0023
90-'06	0.0%	0.0%	#DIV/0!	0.0%	0.0%	0.0%	-15.1%	-15.1%	-13.8%	-13.8%	-14.2%	-14.2%	-15.1%	-15.1%	-13.8%	-13.8%	-14.2%	-14.2%
07-'10		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
10-'15		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
15-'20		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
20-'25		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
25-'30		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
07-'30		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%



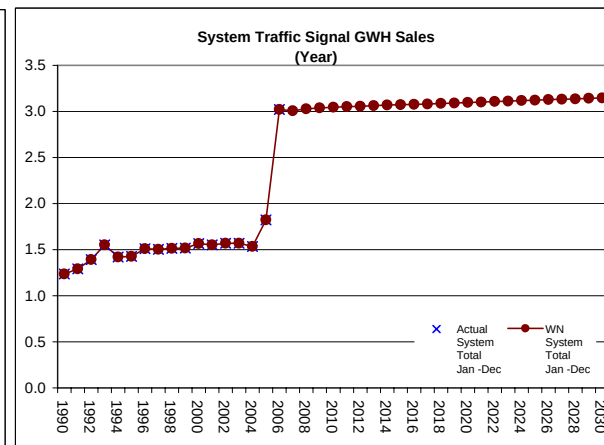
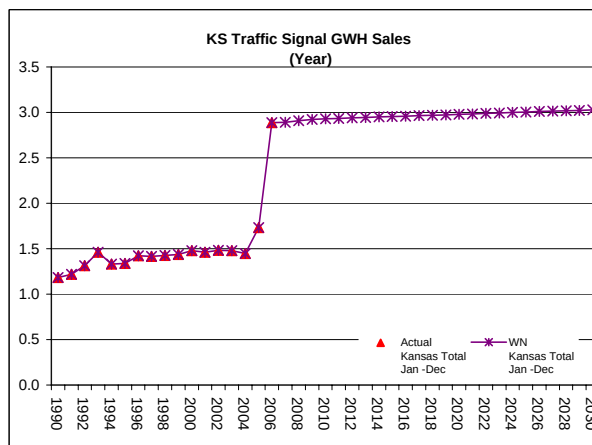
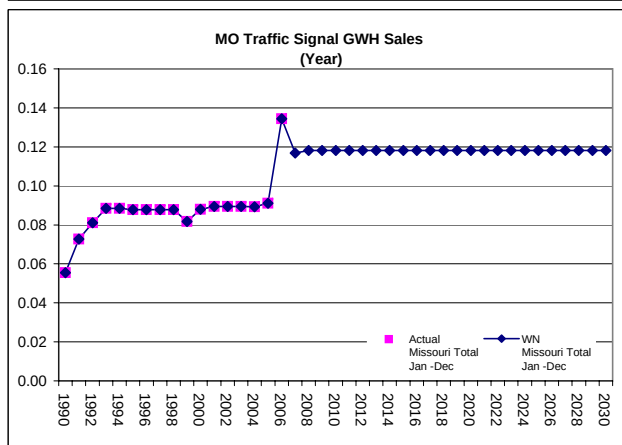
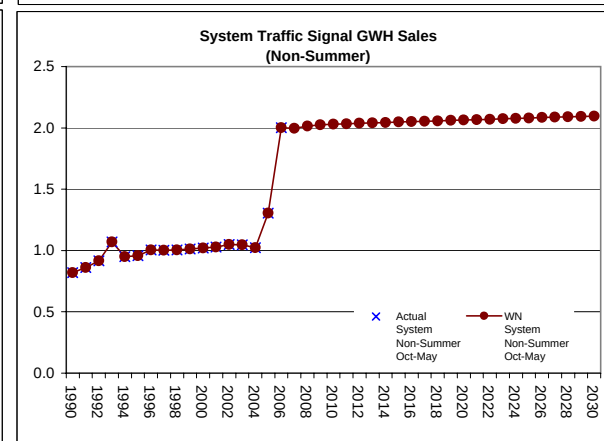
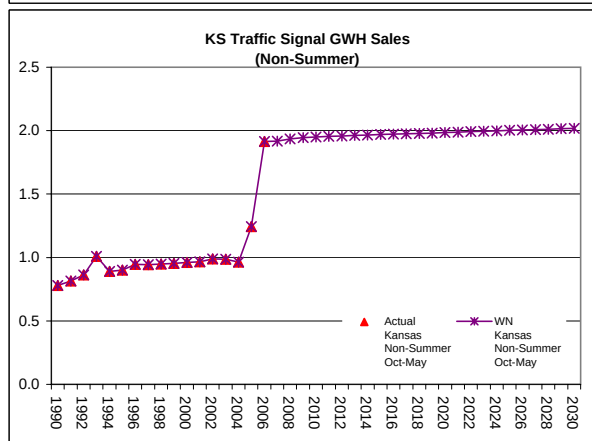
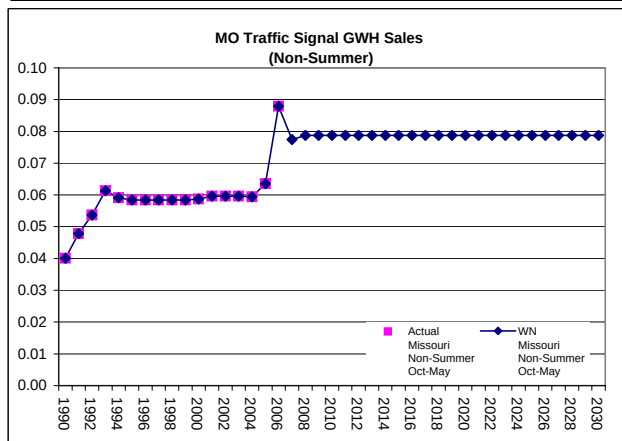
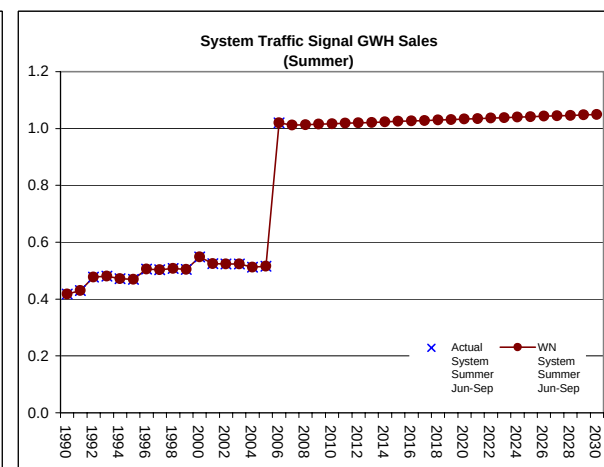
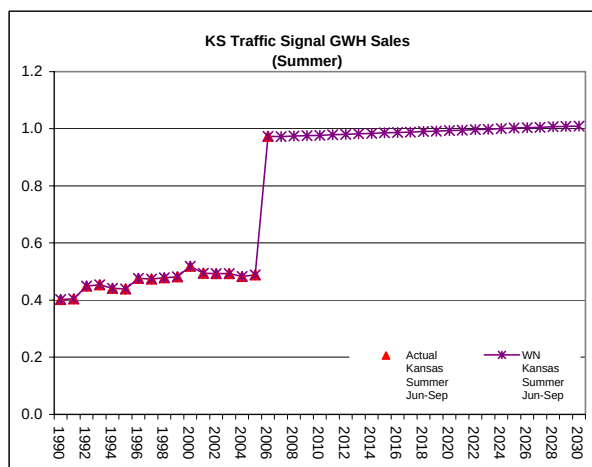
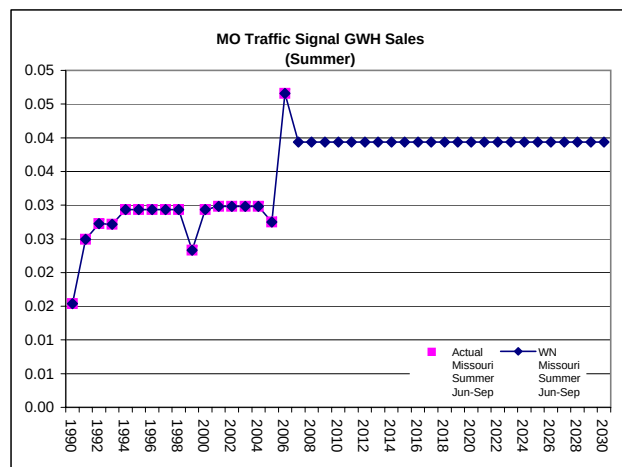
Plot H-26 Missouri & Kansas Street Light GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System 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
1990	12.9	12.9	33.8	33.8	46.7	46.7	6.0	6.0	16.2	16.2	22.2	22.2	18.9	18.9	49.9	49.9	68.8	68.8
1991	12.7	12.7	33.7	33.7	46.5	46.5	6.0	6.0	15.8	15.8	21.8	21.8	18.8	18.8	49.5	49.5	68.3	68.3
1992	13.7	13.7	33.5	33.5	47.2	47.2	6.2	6.2	15.8	15.8	22.0	22.0	19.9	19.9	49.2	49.2	69.2	69.2
1993	12.8	12.8	34.8	34.8	47.7	47.7	6.0	6.0	16.3	16.3	22.3	22.3	18.8	18.8	51.1	51.1	69.9	69.9
1994	12.4	12.4	34.0	34.0	46.4	46.4	5.7	5.7	16.0	16.0	21.7	21.7	18.1	18.1	50.0	50.0	68.1	68.1
1995	11.3	11.3	31.4	31.4	42.7	42.7	5.8	5.8	15.6	15.6	21.3	21.3	17.1	17.1	47.0	47.0	64.1	64.1
1996	11.2	11.2	30.0	30.0	41.2	41.2	5.2	5.2	14.8	14.8	20.0	20.0	16.3	16.3	44.9	44.9	61.2	61.2
1997	12.6	12.6	29.4	29.4	42.0	42.0	5.4	5.4	14.6	14.6	20.0	20.0	18.0	18.0	44.0	44.0	62.0	62.0
1998	15.2	15.2	31.1	31.1	46.3	46.3	5.6	5.6	14.9	14.9	20.5	20.5	20.8	20.8	46.0	46.0	66.8	66.8
1999	15.8	15.8	32.3	32.3	48.1	48.1	5.6	5.6	14.6	14.6	20.2	20.2	21.4	21.4	46.9	46.9	68.3	68.3
2000	17.6	17.6	37.4	37.4	55.0	55.0	5.3	5.3	14.0	14.0	19.4	19.4	23.0	23.0	51.4	51.4	74.4	74.4
2001	19.7	19.7	39.7	39.7	59.4	59.4	4.8	4.8	12.8	12.8	17.6	17.6	24.5	24.5	52.5	52.5	77.0	77.0
2002	21.5	21.5	42.8	42.8	64.3	64.3	4.7	4.7	12.7	12.7	17.5	17.5	26.3	26.3	55.5	55.5	81.7	81.7
2003	21.7	21.7	44.1	44.1	65.8	65.8	4.7	4.7	12.6	12.6	17.3	17.3	26.3	26.3	56.7	56.7	83.1	83.1
2004	20.1	20.1	41.5	41.5	61.6	61.6	4.7	4.7	12.7	12.7	17.3	17.3	24.8	24.8	54.1	54.1	78.9	78.9
2005	20.6	20.6	42.3	42.3	63.0	63.0	4.7	4.7	12.6	12.6	17.3	17.3	25.3	25.3	55.0	55.0	80.3	80.3
2006	22.1	22.1	43.5	43.5	65.6	65.6	4.7	4.7	12.5	12.5	17.2	17.2	26.8	26.8	56.0	56.0	82.8	82.8
2007		25.0		49.7		74.7		4.5		12.4		17.0		29.5		62.1		91.7
2008		25.9		51.6		77.5		4.5		12.5		17.0		30.4		64.0		94.5
2009		26.7		53.2		79.8		4.6		12.5		17.1		31.2		65.7		96.9
2010		27.4		54.6		81.9		4.6		12.5		17.1		31.9		67.1		99.0
2011		28.1		56.0		84.1		4.6		12.6		17.1		32.7		68.6		101.2
2012		28.9		57.6		86.6		4.6		12.6		17.2		33.5		70.2		103.7
2013		29.7		59.3		89.1		4.6		12.6		17.2		34.3		71.9		106.2
2014		30.5		60.8		91.4		4.6		12.6		17.2		35.1		73.4		108.6
2015		31.2		62.3		93.5		4.6		12.6		17.2		35.8		74.9		110.7
2016		31.8		63.4		95.2		4.6		12.6		17.2		36.4		76.0		112.4
2017		32.3		64.5		96.8		4.6		12.6		17.2		36.9		77.1		114.0
2018		32.8		65.6		98.4		4.6		12.6		17.2		37.4		78.2		115.6
2019		33.4		66.6		100.0		4.6		12.6		17.2		38.0		79.2		117.2
2020		33.9		67.6		101.5		4.6		12.6		17.2		38.5		80.2		118.7
2021		34.3		68.5		102.8		4.6		12.6		17.2		38.9		81.1		120.0
2022		34.7		69.3		103.9		4.6		12.6		17.2		39.3		81.9		121.2
2023		35.0		69.9		104.9		4.6		12.6		17.2		39.6		82.5		122.2
2024		35.3		70.5		105.8		4.6		12.6		17.2		39.9		83.1		123.0
2025		35.6		71.1		106.7		4.6		12.6		17.2		40.2		83.7		123.9
2026		35.8		71.6		107.4		4.6		12.6		17.2		40.4		84.2		124.6
2027		36.0		72.0		108.0		4.6		12.6		17.2		40.6		84.6		125.2
2028		36.2		72.4		108.7		4.6		12.6		17.2		40.8		85.0		125.9
2029		36.5		72.9		109.3		4.6		12.6		17.2		41.1		85.5		126.5
2030		36.7		73.3		109.9		4.6		12.6		17.2		41.3		85.9		127.2
90-'06	3.4%	3.4%	1.6%	1.6%	2.1%	2.1%	-1.6%	-1.6%	-1.6%	-1.6%	-1.6%	-1.6%	2.2%	2.2%	0.7%	0.7%	1.2%	1.2%
07-'10		3.1%		3.2%		3.1%		0.4%		0.2%		0.3%		2.7%		2.6%		2.6%
10-'15		2.7%		2.7%		2.7%		0.1%		0.1%		0.1%		2.3%		2.2%		2.2%
15-'20		1.6%		1.7%		1.7%		0.0%		0.0%		0.0%		1.4%		1.4%		1.4%
20-'25		1.0%		1.0%		1.0%		0.0%		0.0%		0.0%		0.9%		0.9%		0.9%
25-'30		0.6%		0.6%		0.6%		0.0%		0.0%		0.0%		0.5%		0.5%		0.5%
07-'30		1.7%		1.7%		1.7%		0.1%		0.1%		0.1%		1.5%		1.4%		1.4%



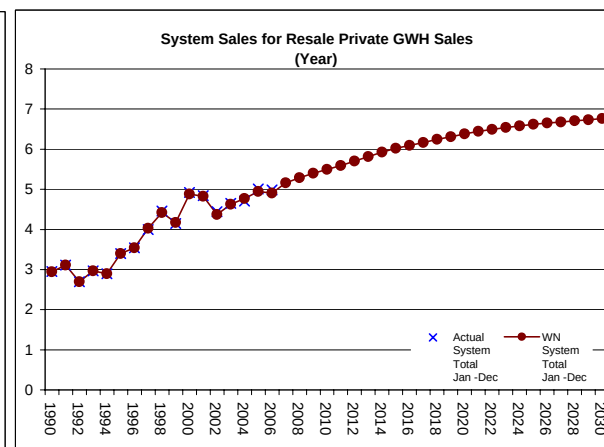
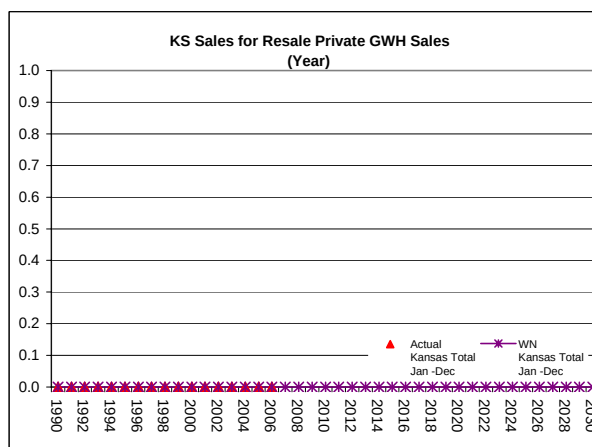
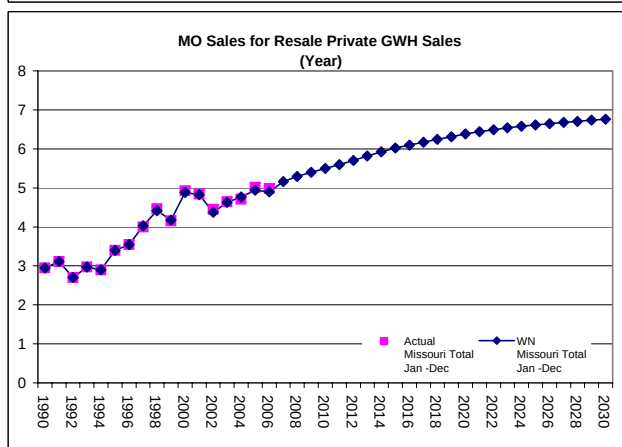
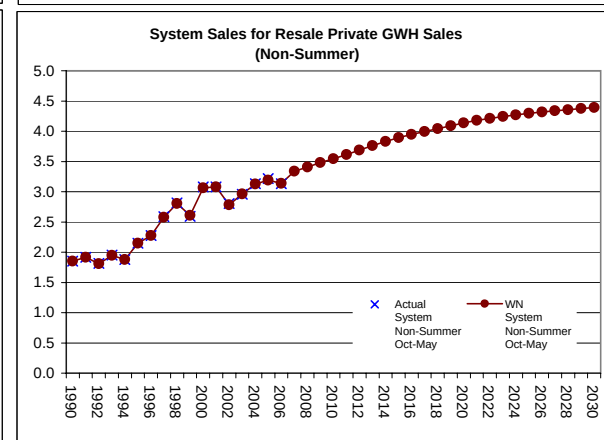
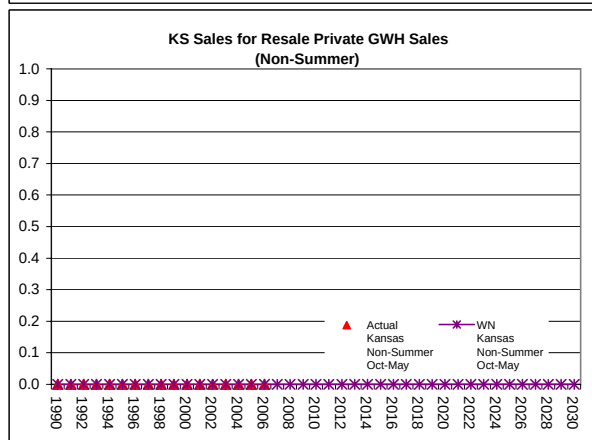
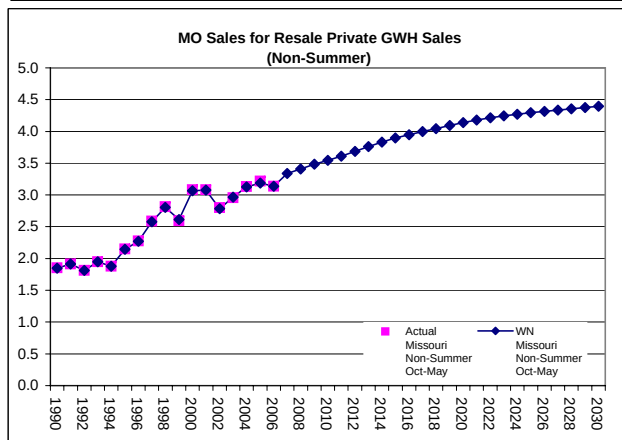
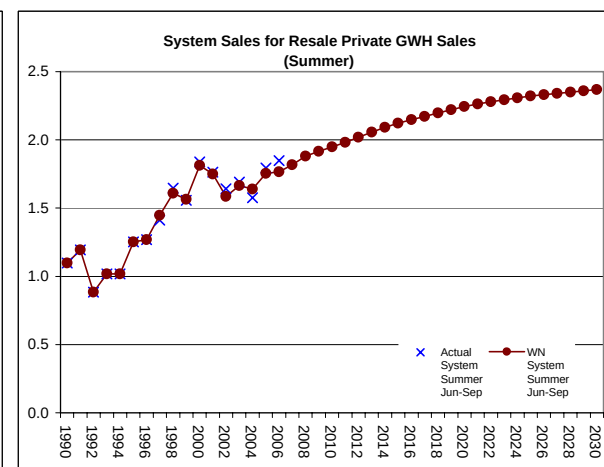
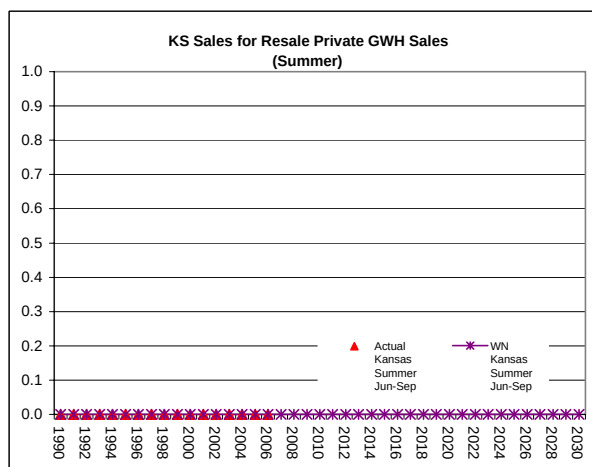
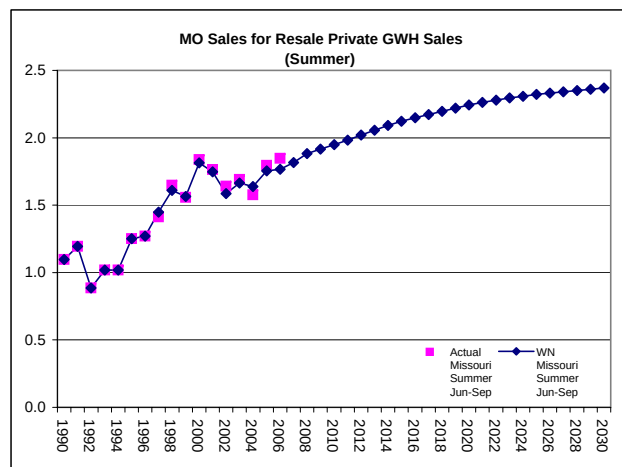
Plot H-27 Missouri & Kansas Traffic Signals GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System 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
1990	0.015	0.015	0.040	0.040	0.055	0.055	0.402	0.402	0.780	0.780	1.182	1.182	0.417	0.417	0.821	0.821	1.238	1.238
1991	0.025	0.025	0.048	0.048	0.073	0.073	0.405	0.405	0.814	0.814	1.219	1.219	0.430	0.430	0.862	0.862	1.292	1.292
1992	0.027	0.027	0.054	0.054	0.081	0.081	0.450	0.450	0.862	0.862	1.312	1.312	0.477	0.477	0.916	0.916	1.393	1.393
1993	0.027	0.027	0.061	0.061	0.089	0.089	0.454	0.454	1.009	1.009	1.463	1.463	0.481	0.481	1.071	1.071	1.552	1.552
1994	0.029	0.029	0.059	0.059	0.089	0.089	0.442	0.442	0.890	0.890	1.332	1.332	0.471	0.471	0.949	0.949	1.421	1.421
1995	0.029	0.029	0.058	0.058	0.088	0.088	0.440	0.440	0.900	0.900	1.339	1.339	0.469	0.469	0.958	0.958	1.427	1.427
1996	0.029	0.029	0.058	0.058	0.088	0.088	0.476	0.476	0.947	0.947	1.423	1.423	0.506	0.506	1.005	1.005	1.511	1.511
1997	0.029	0.029	0.058	0.058	0.088	0.088	0.474	0.474	0.944	0.944	1.417	1.417	0.503	0.503	1.002	1.002	1.505	1.505
1998	0.029	0.029	0.058	0.058	0.088	0.088	0.478	0.478	0.947	0.947	1.426	1.426	0.508	0.508	1.006	1.006	1.513	1.513
1999	0.023	0.023	0.058	0.058	0.082	0.082	0.481	0.481	0.954	0.954	1.435	1.435	0.505	0.505	1.012	1.012	1.517	1.517
2000	0.029	0.029	0.059	0.059	0.088	0.088	0.518	0.518	0.960	0.960	1.479	1.479	0.548	0.548	1.019	1.019	1.567	1.567
2001	0.030	0.030	0.060	0.060	0.089	0.089	0.494	0.494	0.967	0.967	1.462	1.462	0.524	0.524	1.027	1.027	1.551	1.551
2002	0.030	0.030	0.060	0.060	0.089	0.089	0.493	0.493	0.988	0.988	1.482	1.482	0.523	0.523	1.048	1.048	1.571	1.571
2003	0.030	0.030	0.060	0.060	0.089	0.089	0.493	0.493	0.987	0.987	1.480	1.480	0.523	0.523	1.047	1.047	1.570	1.570
2004	0.030	0.030	0.059	0.059	0.089	0.089	0.482	0.482	0.964	0.964	1.447	1.447	0.512	0.512	1.024	1.024	1.536	1.536
2005	0.027	0.027	0.064	0.064	0.091	0.091	0.488	0.488	1.242	1.242	1.731	1.731	0.516	0.516	1.306	1.306	1.822	1.822
2006	0.047	0.047	0.088	0.088	0.134	0.134	0.973	0.973	1.914	1.914	2.887	2.887	1.020	1.020	2.002	2.002	3.022	3.022
2007		0.039		0.077		0.117		0.973		1.918		2.891		1.012		1.996		3.008
2008		0.039		0.079		0.118		0.974		1.936		2.910		1.014		2.015		3.028
2009		0.039		0.079		0.118		0.976		1.946		2.921		1.015		2.024		3.040
2010		0.039		0.079		0.118		0.977		1.951		2.928		1.017		2.030		3.047
2011		0.039		0.079		0.118		0.979		1.955		2.934		1.018		2.034		3.052
2012		0.039		0.079		0.118		0.980		1.958		2.939		1.020		2.037		3.057
2013		0.039		0.079		0.118		0.982		1.962		2.944		1.022		2.041		3.062
2014		0.039		0.079		0.118		0.984		1.966		2.950		1.023		2.044		3.068
2015		0.039		0.079		0.118		0.986		1.969		2.955		1.025		2.048		3.073
2016		0.039		0.079		0.118		0.987		1.972		2.959		1.026		2.051		3.077
2017		0.039		0.079		0.118		0.989		1.975		2.963		1.028		2.054		3.081
2018		0.039		0.079		0.118		0.990		1.978		2.968		1.030		2.057		3.086
2019		0.039		0.079		0.118		0.992		1.982		2.973		1.031		2.060		3.092
2020		0.039		0.079		0.118		0.994		1.985		2.979		1.033		2.064		3.097
2021		0.039		0.079		0.118		0.995		1.989		2.984		1.035		2.067		3.102
2022		0.039		0.079		0.118		0.997		1.992		2.989		1.037		2.071		3.107
2023		0.039		0.079		0.118		0.999		1.995		2.994		1.038		2.074		3.112
2024		0.039		0.079		0.118		1.001		1.999		2.999		1.040		2.077		3.117
2025		0.039		0.079		0.118		1.002		2.002		3.005		1.042		2.081		3.123
2026		0.039		0.079		0.118		1.004		2.005		3.009		1.043		2.084		3.127
2027		0.039		0.079		0.118		1.005		2.008		3.014		1.045		2.087		3.132
2028		0.039		0.079		0.118		1.007		2.011		3.018		1.046		2.090		3.136
2029		0.039		0.079		0.118		1.008		2.014		3.023		1.048		2.093		3.141
2030		0.039		0.079		0.118		1.010		2.018		3.027		1.049		2.096		3.146
90-'06	7.2%	7.2%	5.0%	5.0%	5.7%	5.7%	5.7%	5.7%	5.8%	5.8%	5.7%	5.7%	5.7%	5.7%	5.7%	5.7%	5.7%	5.7%
07-'10		0.0%		0.5%		0.4%		0.2%		0.6%		0.4%		0.2%		0.6%		0.4%
10-'15		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.2%		0.2%		0.2%
15-'20		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.2%		0.2%		0.2%
20-'25		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.2%		0.2%		0.2%
25-'30		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.1%		0.1%		0.1%
07-'30		0.0%		0.1%		0.0%		0.2%		0.2%		0.2%		0.2%		0.2%		0.2%



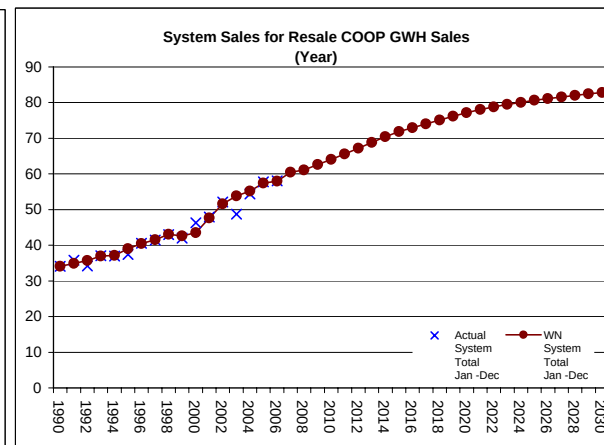
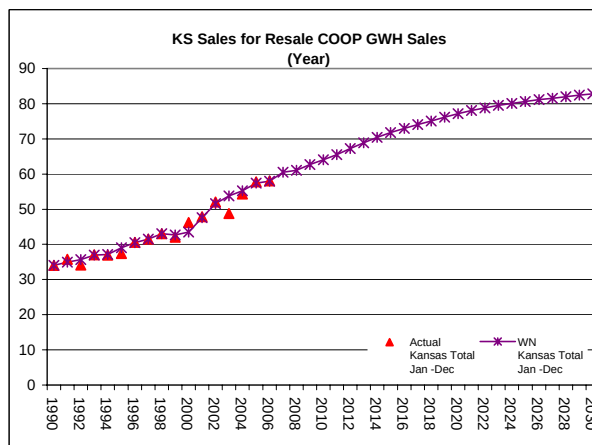
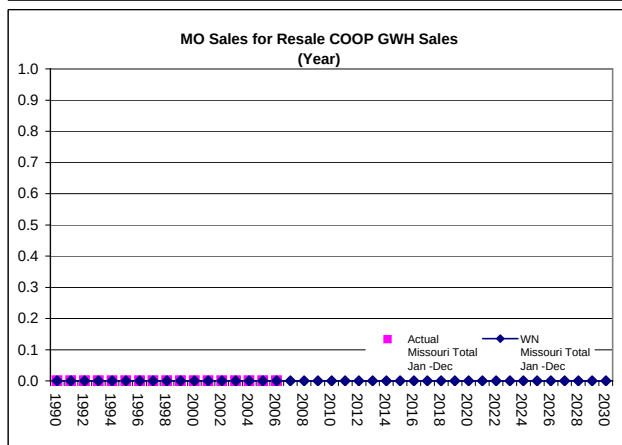
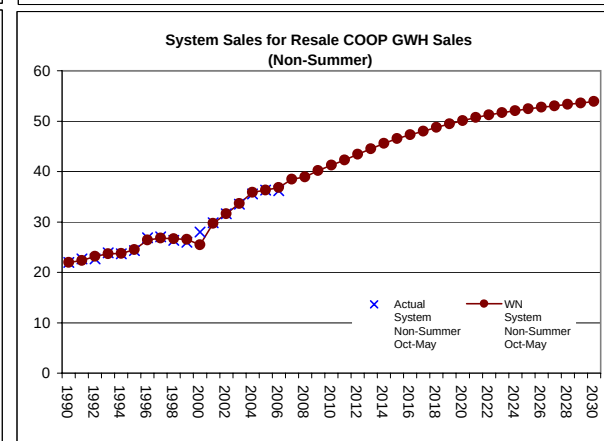
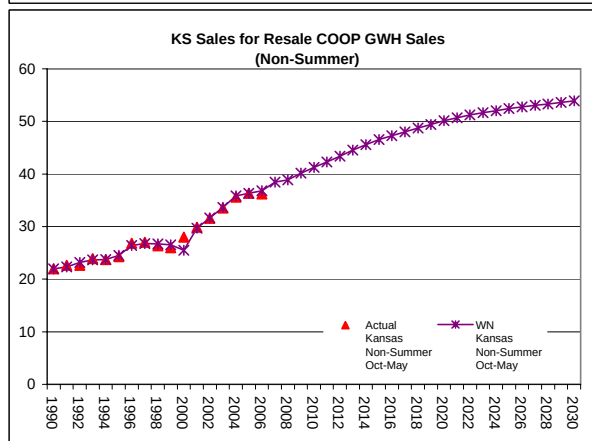
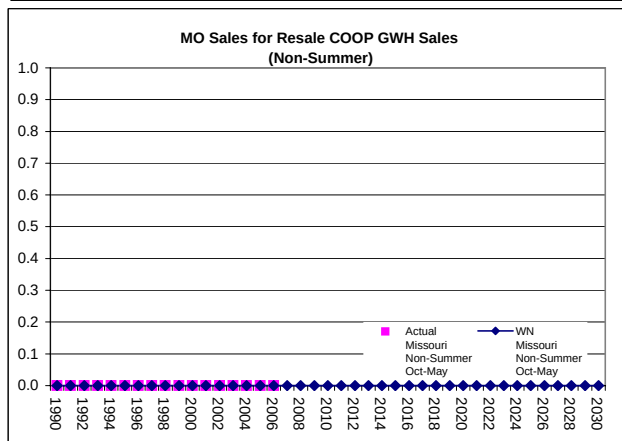
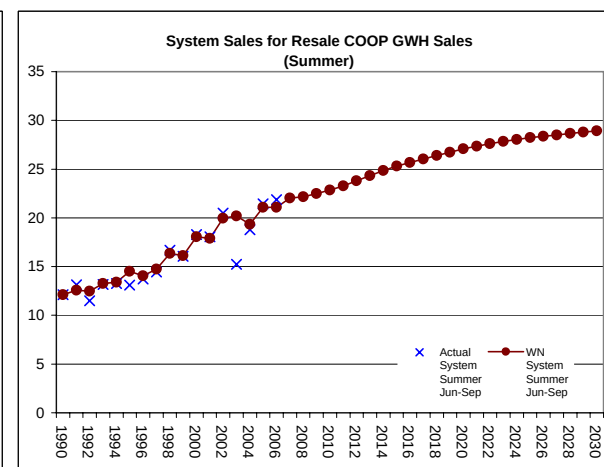
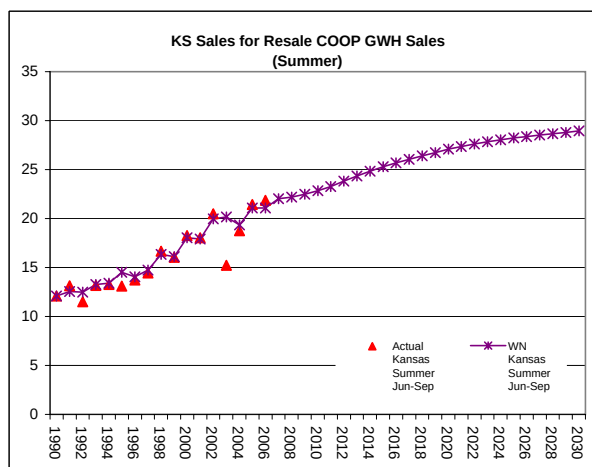
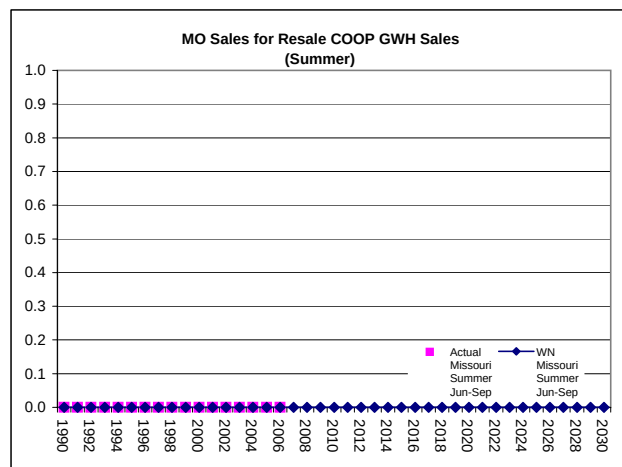
Plot H-28 Missouri & Kansas Sales for Resale Private GWH Sales
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri Summer Jun-Sep	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	Kansas Total Jan -Dec	System Summer Jun-Sep	System Summer Jun-Sep	System Non-Summer Oct-May	System Non-Summer Oct-May	System Total Jan -Dec	System Total Jan -Dec
1990	1.1	1.1	1.9	1.8	2.9	2.9	0	0	0	0	0	0	1.1	1.1	1.9	1.8	2.9	2.9
1991	1.2	1.2	1.9	1.9	3.1	3.1	0	0	0	0	0	0	1.2	1.2	1.9	1.9	3.1	3.1
1992	0.9	0.9	1.8	1.8	2.7	2.7	0	0	0	0	0	0	0.9	0.9	1.8	1.8	2.7	2.7
1993	1.0	1.0	1.9	1.9	3.0	3.0	0	0	0	0	0	0	1.0	1.0	1.9	1.9	3.0	3.0
1994	1.0	1.0	1.9	1.9	2.9	2.9	0	0	0	0	0	0	1.0	1.0	1.9	1.9	2.9	2.9
1995	1.3	1.3	2.1	2.1	3.4	3.4	0	0	0	0	0	0	1.3	1.3	2.1	2.1	3.4	3.4
1996	1.3	1.3	2.3	2.3	3.5	3.5	0	0	0	0	0	0	1.3	1.3	2.3	2.3	3.5	3.5
1997	1.4	1.4	2.6	2.6	4.0	4.0	0	0	0	0	0	0	1.4	1.4	2.6	2.6	4.0	4.0
1998	1.6	1.6	2.8	2.8	4.5	4.4	0	0	0	0	0	0	1.6	1.6	2.8	2.8	4.5	4.4
1999	1.6	1.6	2.6	2.6	4.2	4.2	0	0	0	0	0	0	1.6	1.6	2.6	2.6	4.2	4.2
2000	1.8	1.8	3.1	3.1	4.9	4.9	0	0	0	0	0	0	1.8	1.8	3.1	3.1	4.9	4.9
2001	1.8	1.7	3.1	3.1	4.8	4.8	0	0	0	0	0	0	1.8	1.7	3.1	3.1	4.8	4.8
2002	1.6	1.6	2.8	2.8	4.4	4.4	0	0	0	0	0	0	1.6	1.6	2.8	2.8	4.4	4.4
2003	1.7	1.7	3.0	3.0	4.6	4.6	0	0	0	0	0	0	1.7	1.7	3.0	3.0	4.6	4.6
2004	1.6	1.6	3.1	3.1	4.7	4.8	0	0	0	0	0	0	1.6	1.6	3.1	3.1	4.7	4.8
2005	1.8	1.8	3.2	3.2	5.0	4.9	0	0	0	0	0	0	1.8	1.8	3.2	3.2	5.0	4.9
2006	1.8	1.8	3.1	3.1	5.0	4.9	0	0	0	0	0	0	1.8	1.8	3.1	3.1	5.0	4.9
2007		1.8		3.3		5.2		0		0		0		1.8		3.3		5.2
2008		1.9		3.4		5.3		0		0		0		1.9		3.4		5.3
2009		1.9		3.5		5.4		0		0		0		1.9		3.5		5.4
2010		1.9		3.5		5.5		0		0		0		1.9		3.5		5.5
2011		2.0		3.6		5.6		0		0		0		2.0		3.6		5.6
2012		2.0		3.7		5.7		0		0		0		2.0		3.7		5.7
2013		2.1		3.8		5.8		0		0		0		2.1		3.8		5.8
2014		2.1		3.8		5.9		0		0		0		2.1		3.8		5.9
2015		2.1		3.9		6.0		0		0		0		2.1		3.9		6.0
2016		2.1		3.9		6.1		0		0		0		2.1		3.9		6.1
2017		2.2		4.0		6.2		0		0		0		2.2		4.0		6.2
2018		2.2		4.0		6.2		0		0		0		2.2		4.0		6.2
2019		2.2		4.1		6.3		0		0		0		2.2		4.1		6.3
2020		2.2		4.1		6.4		0		0		0		2.2		4.1		6.4
2021		2.3		4.2		6.4		0		0		0		2.3		4.2		6.4
2022		2.3		4.2		6.5		0		0		0		2.3		4.2		6.5
2023		2.3		4.2		6.5		0		0		0		2.3		4.2		6.5
2024		2.3		4.3		6.6		0		0		0		2.3		4.3		6.6
2025		2.3		4.3		6.6		0		0		0		2.3		4.3		6.6
2026		2.3		4.3		6.6		0		0		0		2.3		4.3		6.6
2027		2.3		4.3		6.7		0		0		0		2.3		4.3		6.7
2028		2.4		4.4		6.7		0		0		0		2.4		4.4		6.7
2029		2.4		4.4		6.7		0		0		0		2.4		4.4		6.7
2030		2.4		4.4		6.8		0		0		0		2.4		4.4		6.8
90-'06	3.3%	3.0%	3.3%	3.4%	3.3%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	3.0%	3.3%	3.4%	3.3%	3.2%
07-'10		2.4%		2.0%		2.1%		0.0%		0.0%		0.0%		2.4%		2.0%		2.1%
10-'15		1.7%		1.9%		1.8%		0.0%		0.0%		0.0%		1.7%		1.9%		1.8%
15-'20		1.1%		1.2%		1.2%		0.0%		0.0%		0.0%		1.1%		1.2%		1.2%
20-'25		0.7%		0.7%		0.7%		0.0%		0.0%		0.0%		0.7%		0.7%		0.7%
25-'30		0.4%		0.5%		0.4%		0.0%		0.0%		0.0%		0.4%		0.5%		0.4%
07-'30		1.2%		1.2%		1.2%		0.0%		0.0%		0.0%		1.2%		1.2%		1.2%



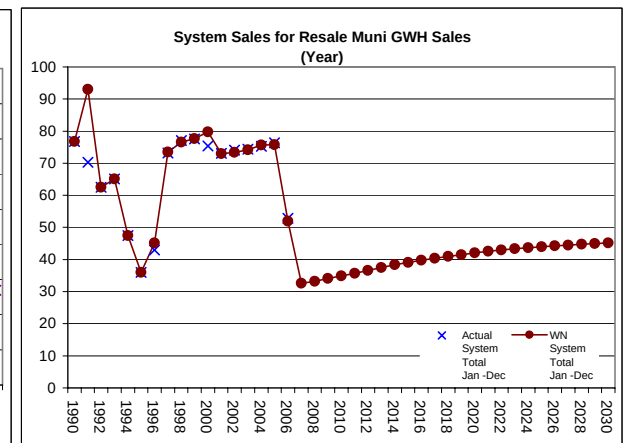
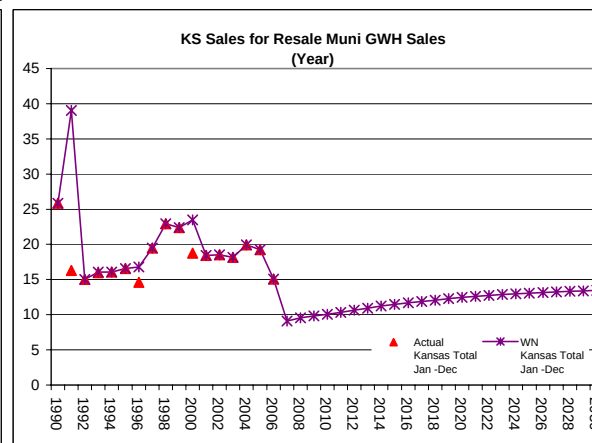
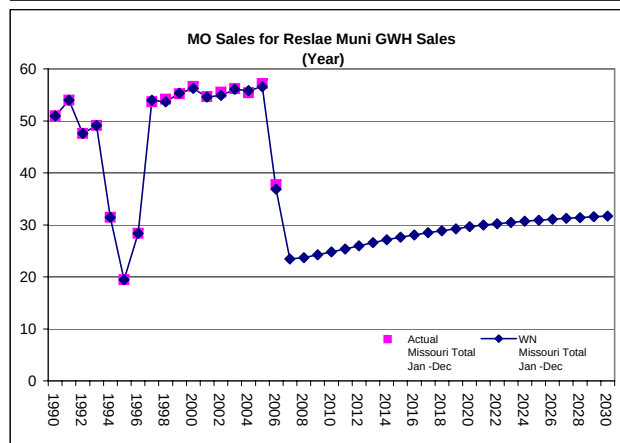
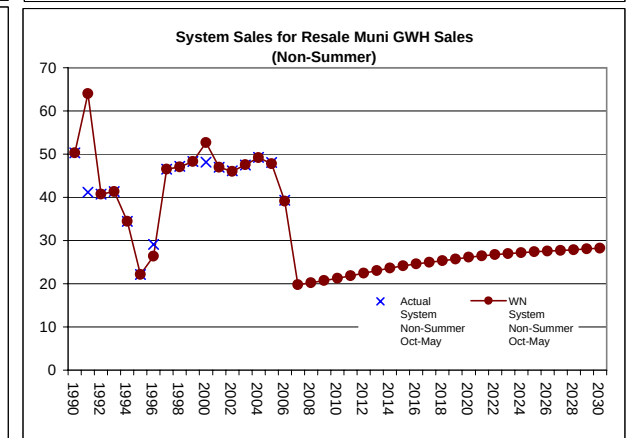
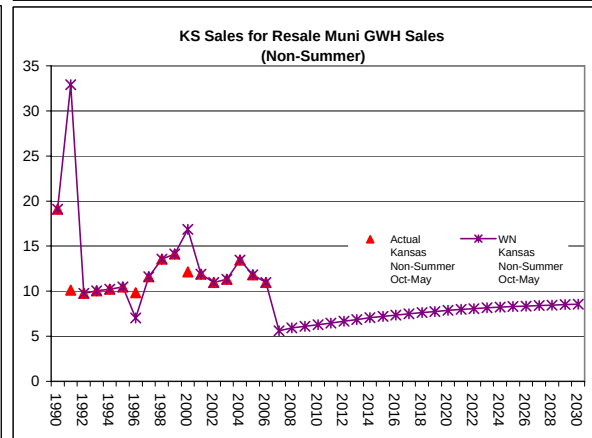
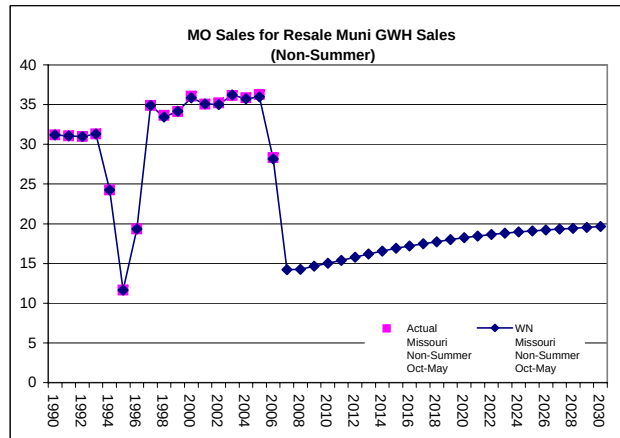
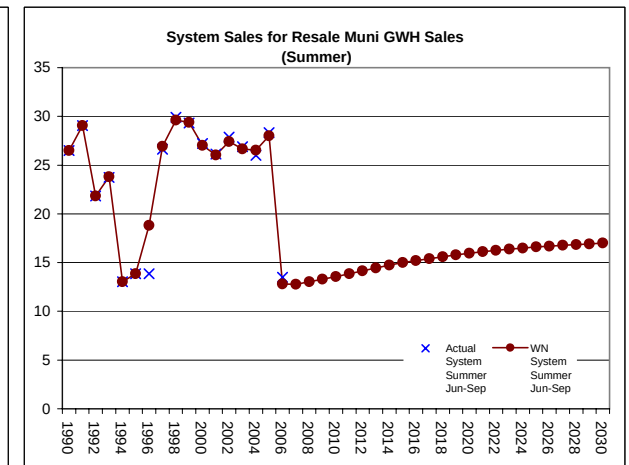
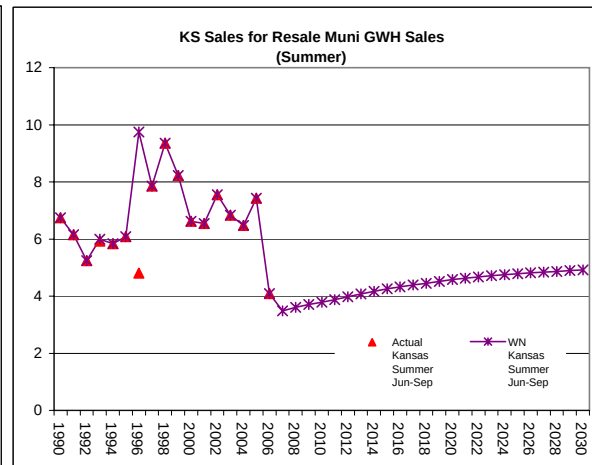
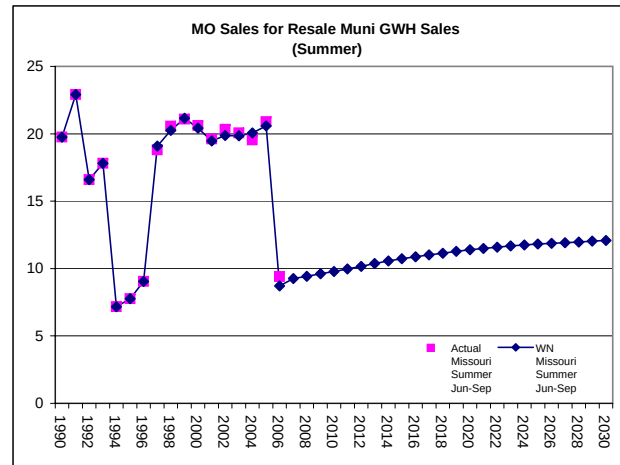
Plot H-29 Missouri & Kansas Sales for Resale COOP GWH Sales
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri	Missouri	Missouri	Missouri	Missouri	Missouri	Kansas	Kansas	Kansas	Kansas	Kansas	Kansas	System	System	System	System	System	System
	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
1990	0	0	0	0	0	0	12.1	12.1	22.0	22.0	34.1	34.1	12.1	12.1	22.0	22.0	34.1	34.1
1991	0	0	0	0	0	0	13.1	12.6	22.6	22.4	35.8	34.9	13.1	12.6	22.6	22.4	35.8	34.9
1992	0	0	0	0	0	0	11.5	12.5	22.6	23.2	34.1	35.7	11.5	12.5	22.6	23.2	34.1	35.7
1993	0	0	0	0	0	0	13.2	13.3	23.9	23.7	37.1	36.9	13.2	13.3	23.9	23.7	37.1	36.9
1994	0	0	0	0	0	0	13.3	13.4	23.7	23.8	37.0	37.1	13.3	13.4	23.7	23.8	37.0	37.1
1995	0	0	0	0	0	0	13.1	14.5	24.3	24.5	37.4	39.0	13.1	14.5	24.3	24.5	37.4	39.0
1996	0	0	0	0	0	0	13.7	14.1	26.9	26.4	40.6	40.5	13.7	14.1	26.9	26.4	40.6	40.5
1997	0	0	0	0	0	0	14.4	14.8	27.0	26.8	41.5	41.5	14.4	14.8	27.0	26.8	41.5	41.5
1998	0	0	0	0	0	0	16.7	16.3	26.3	26.7	43.0	43.0	16.7	16.3	26.3	26.7	43.0	43.0
1999	0	0	0	0	0	0	16.1	16.1	26.0	26.5	42.0	42.7	16.1	16.1	26.0	26.5	42.0	42.7
2000	0	0	0	0	0	0	18.3	18.1	28.0	25.5	46.3	43.5	18.3	18.1	28.0	25.5	46.3	43.5
2001	0	0	0	0	0	0	18.1	17.9	29.9	29.7	47.9	47.6	18.1	17.9	29.9	29.7	47.9	47.6
2002	0	0	0	0	0	0	20.5	20.0	31.6	31.6	52.1	51.6	20.5	20.0	31.6	31.6	52.1	51.6
2003	0	0	0	0	0	0	15.2	20.2	33.5	33.6	48.8	53.8	15.2	20.2	33.5	33.6	48.8	53.8
2004	0	0	0	0	0	0	18.8	19.3	35.6	35.8	54.3	55.2	18.8	19.3	35.6	35.8	54.3	55.2
2005	0	0	0	0	0	0	21.5	21.1	36.3	36.3	57.8	57.4	21.5	21.1	36.3	36.3	57.8	57.4
2006	0	0	0	0	0	0	21.9	21.1	36.2	36.8	58.1	57.9	21.9	21.1	36.2	36.8	58.1	57.9
2007		0		0		0			22.0		38.4	60.5			22.0		38.4	60.5
2008		0		0		0			22.2		38.9	61.1			22.2		38.9	61.1
2009		0		0		0			22.5		40.2	62.7			22.5		40.2	62.7
2010		0		0		0			22.9		41.2	64.1			22.9		41.2	64.1
2011		0		0		0			23.3		42.3	65.6			23.3		42.3	65.6
2012		0		0		0			23.8		43.4	67.2			23.8		43.4	67.2
2013		0		0		0			24.3		44.5	68.9			24.3		44.5	68.9
2014		0		0		0			24.8		45.6	70.4			24.8		45.6	70.4
2015		0		0		0			25.3		46.5	71.8			25.3		46.5	71.8
2016		0		0		0			25.7		47.3	73.0			25.7		47.3	73.0
2017		0		0		0			26.0		48.0	74.0			26.0		48.0	74.0
2018		0		0		0			26.4		48.7	75.1			26.4		48.7	75.1
2019		0		0		0			26.7		49.4	76.2			26.7		49.4	76.2
2020		0		0		0			27.1		50.1	77.2			27.1		50.1	77.2
2021		0		0		0			27.4		50.7	78.1			27.4		50.7	78.1
2022		0		0		0			27.6		51.2	78.8			27.6		51.2	78.8
2023		0		0		0			27.8		51.7	79.5			27.8		51.7	79.5
2024		0		0		0			28.0		52.1	80.1			28.0		52.1	80.1
2025		0		0		0			28.2		52.4	80.7			28.2		52.4	80.7
2026		0		0		0			28.4		52.8	81.1			28.4		52.8	81.1
2027		0		0		0			28.5		53.0	81.6			28.5		53.0	81.6
2028		0		0		0			28.7		53.3	82.0			28.7		53.3	82.0
2029		0		0		0			28.8		53.6	82.4			28.8		53.6	82.4
2030		0		0		0			28.9		53.9	82.8			28.9		53.9	82.8
90-'06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	3.5%	3.2%	3.3%	3.4%	3.4%	3.8%	3.5%	3.2%	3.3%	3.4%	3.4%
07-'10		0.0%		0.0%		0.0%		1.2%		2.4%		2.0%		1.2%		2.4%		2.0%
10-'15		0.0%		0.0%		0.0%		2.1%		2.4%		2.3%		2.1%		2.4%		2.3%
15-'20		0.0%		0.0%		0.0%		1.4%		1.5%		1.5%		1.4%		1.5%		1.5%
20-'25		0.0%		0.0%		0.0%		0.8%		0.9%		0.9%		0.8%		0.9%		0.9%
25-'30		0.0%		0.0%		0.0%		0.5%		0.5%		0.5%		0.5%		0.5%		0.5%
07-'30		0.0%		0.0%		0.0%		1.2%		1.5%		1.4%		1.2%		1.5%		1.4%



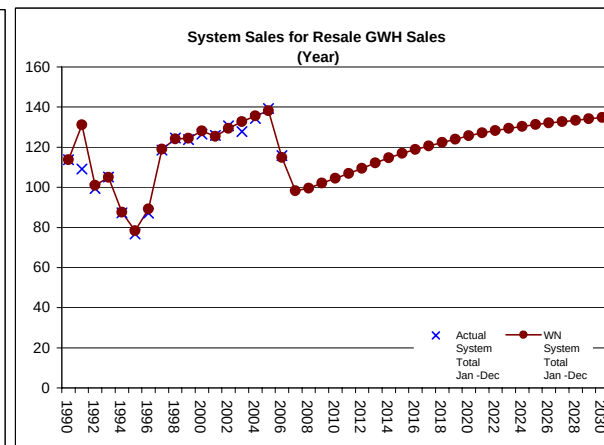
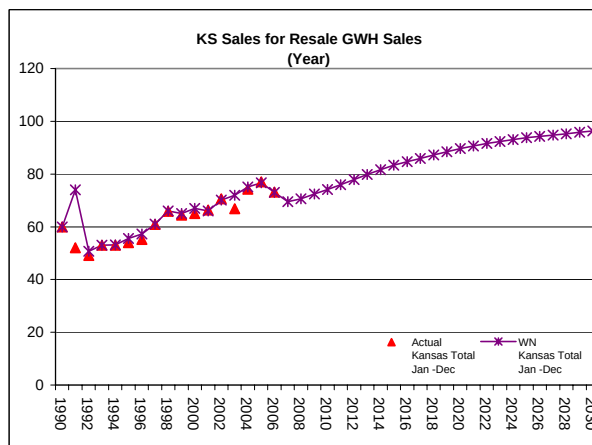
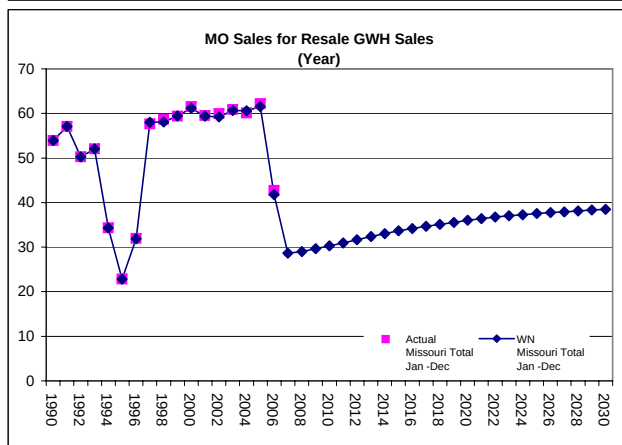
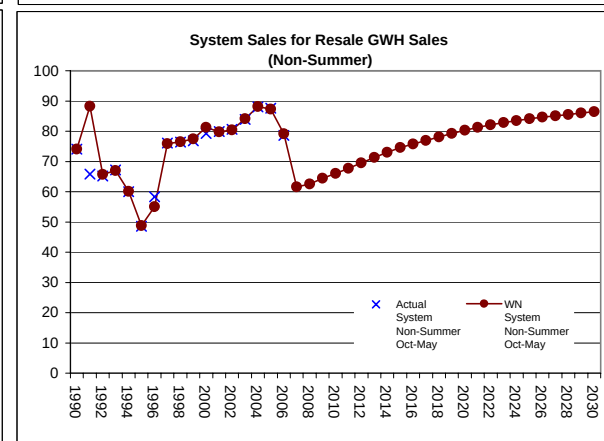
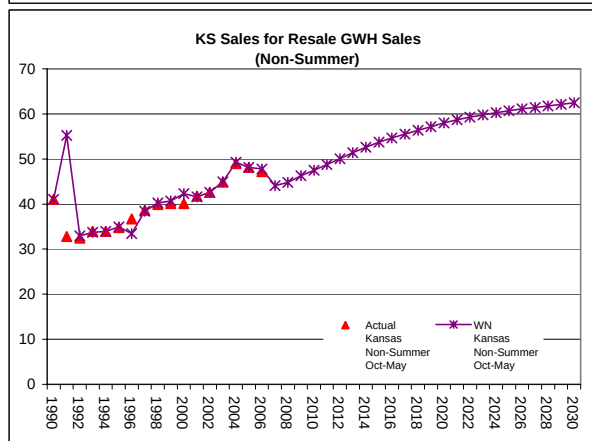
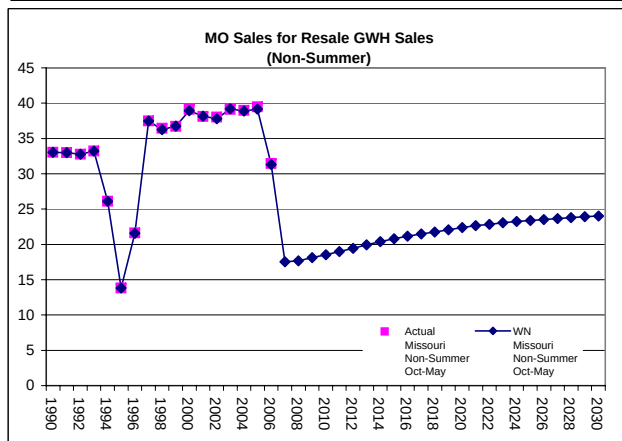
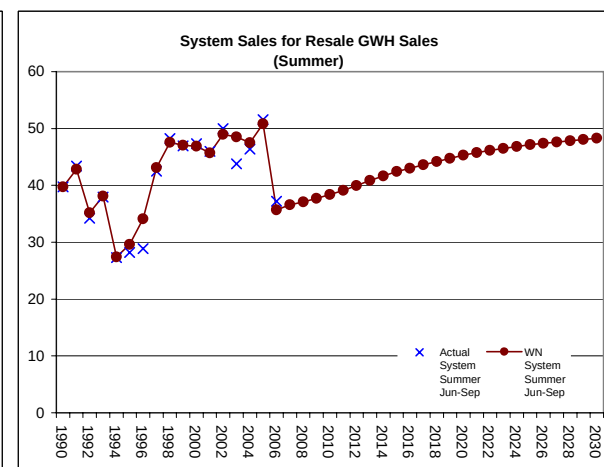
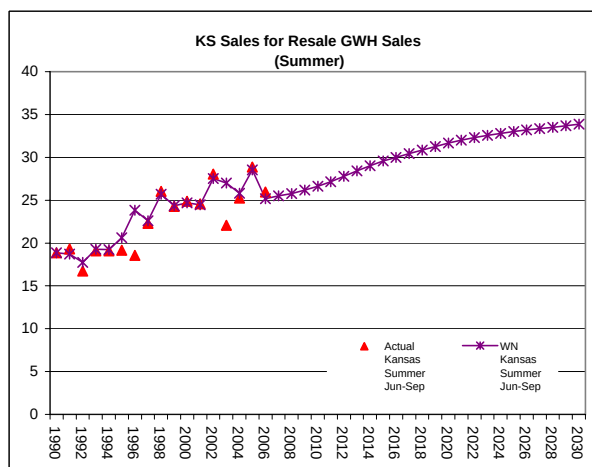
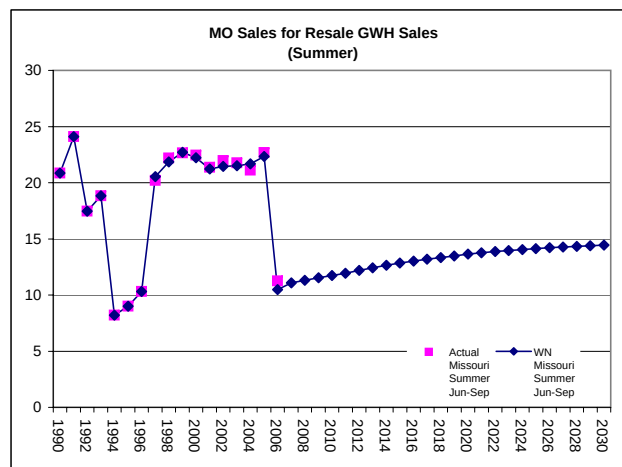
Plot H-30 Missouri & Kansas Sales for Resale Muni GWH Sales
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri Summer Jun-Sep	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Non-Summer Oct-May	Missouri Total Jan-Dec	Missouri Total Jan-Dec	Kansas Summer Jun-Sep	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Non-Summer Oct-May	Kansas Total Jan-Dec	Kansas Total Jan-Dec	System Summer Jun-Sep	System Summer Jun-Sep	System Non-Summer Oct-May	System Non-Summer Oct-May	System Total Jan-Dec	System Total Jan-Dec
1990	19.8	19.8	31.2	31.2	51.0	51.0	6.7	6.7	19.1	19.1	25.8	25.8	26.5	26.5	50.3	50.3	76.8	76.8
1991	22.9	22.9	31.1	31.1	54.0	54.0	6.2	6.2	10.1	10.1	32.9	32.9	29.1	29.1	41.2	41.2	70.3	70.3
1992	16.6	16.6	31.0	31.0	47.5	47.5	5.2	5.2	9.8	9.8	15.0	15.0	21.8	21.8	40.7	40.7	62.6	62.6
1993	17.8	17.8	31.3	31.3	49.1	49.1	5.9	6.0	10.1	10.1	16.0	16.0	23.7	23.8	41.3	41.3	65.1	65.1
1994	7.2	7.2	24.2	24.2	31.4	31.4	5.8	5.8	10.2	10.2	16.1	16.1	13.0	13.0	34.4	34.4	47.5	47.5
1995	7.8	7.8	11.7	11.7	19.4	19.4	6.1	6.1	10.5	10.5	16.6	16.5	13.8	13.8	22.1	22.1	36.0	36.0
1996	9.0	9.0	19.3	19.3	28.4	28.4	4.8	9.8	9.8	7.0	14.6	16.8	13.9	18.8	29.1	26.3	43.0	45.1
1997	18.8	19.1	34.9	34.9	53.7	54.0	7.8	7.8	11.6	11.6	19.5	19.5	26.6	26.9	46.5	46.5	73.1	73.4
1998	20.6	20.3	33.6	33.4	54.2	53.7	9.4	9.4	13.6	13.6	22.9	22.9	29.9	29.6	47.2	47.0	77.1	76.6
1999	21.1	21.2	34.1	34.1	55.2	55.3	8.2	8.2	14.1	14.1	22.4	22.4	29.3	29.4	48.3	48.3	77.6	77.7
2000	20.6	20.4	36.0	35.9	56.6	56.3	6.6	6.6	12.1	16.8	18.8	23.5	27.2	27.0	48.2	52.7	75.4	79.7
2001	19.6	19.5	35.1	35.1	54.7	54.6	6.5	6.5	11.9	11.9	18.4	18.4	26.1	26.0	46.9	47.0	73.1	73.0
2002	20.3	19.9	35.2	35.0	55.5	54.9	7.6	7.6	11.0	11.0	18.5	18.5	27.9	27.4	46.2	46.0	74.1	73.4
2003	20.1	19.8	36.1	36.2	56.2	56.1	6.8	6.8	11.3	11.3	18.2	18.2	26.9	26.7	47.5	47.5	74.4	74.2
2004	19.5	20.1	35.8	35.7	55.4	55.8	6.5	6.5	13.4	13.4	19.9	19.9	26.0	26.5	49.3	49.2	75.3	75.7
2005	20.9	20.6	36.2	36.0	57.1	56.6	7.4	7.4	11.8	11.8	19.2	19.2	28.3	28.0	48.1	47.8	76.4	75.8
2006	9.4	8.7	28.3	28.2	37.7	36.9	4.1	4.1	11.0	11.0	15.1	15.1	13.5	12.8	39.3	39.1	52.8	51.9
2007		9.3		14.2		23.5		3.5		5.6		9.1		12.8		19.8		32.6
2008		9.4		14.3		23.7		3.6		5.9		9.5		13.0		20.2		33.2
2009		9.6		14.7		24.3		3.7		6.1		9.8		13.3		20.8		34.1
2010		9.8		15.0		24.8		3.8		6.3		10.1		13.6		21.3		34.9
2011		10.0		15.4		25.3		3.9		6.5		10.3		13.8		21.8		35.7
2012		10.2		15.8		25.9		4.0		6.7		10.6		14.1		22.4		36.6
2013		10.4		16.2		26.6		4.1		6.9		10.9		14.5		23.0		37.5
2014		10.6		16.6		27.1		4.2		7.1		11.2		14.7		23.6		38.4
2015		10.7		16.9		27.7		4.3		7.2		11.5		15.0		24.1		39.1
2016		10.9		17.2		28.1		4.3		7.4		11.7		15.2		24.6		39.8
2017		11.0		17.5		28.5		4.4		7.5		11.9		15.4		25.0		40.4
2018		11.1		17.7		28.9		4.5		7.6		12.1		15.6		25.4		40.9
2019		11.3		18.0		29.3		4.5		7.7		12.3		15.8		25.7		41.5
2020		11.4		18.2		29.6		4.6		7.9		12.4		16.0		26.1		42.1
2021		11.5		18.5		30.0		4.6		8.0		12.6		16.1		26.4		42.6
2022		11.6		18.6		30.2		4.7		8.1		12.7		16.3		26.7		43.0
2023		11.7		18.8		30.5		4.7		8.2		12.9		16.4		27.0		43.4
2024		11.7		19.0		30.7		4.8		8.2		13.0		16.5		27.2		43.7
2025		11.8		19.1		30.9		4.8		8.3		13.1		16.6		27.4		44.0
2026		11.9		19.2		31.1		4.8		8.3		13.2		16.7		27.6		44.3
2027		11.9		19.3		31.2		4.8		8.4		13.2		16.8		27.7		44.5
2028		12.0		19.4		31.4		4.9		8.5		13.3		16.8		27.9		44.7
2029		12.0		19.5		31.6		4.9		8.5		13.4		16.9		28.0		45.0
2030		12.1		19.6		31.7		4.9		8.6		13.5		17.0		28.2		45.2
90-'06	-4.5%	-5.0%	-0.6%	-0.6%	-1.9%	-2.0%	-3.1%	-3.1%	-3.4%	-3.4%	-3.3%	-3.3%	-4.1%	-4.4%	-1.5%	-1.6%	-2.3%	-2.4%
07-'10		1.8%		1.8%		1.8%		2.8%		3.9%		3.5%		2.1%		2.4%		2.3%
10-'15		1.9%		2.4%		2.2%		2.4%		2.8%		2.6%		2.0%		2.5%		2.3%
15-'20		1.2%		1.5%		1.4%		1.5%		1.7%		1.6%		1.3%		1.6%		1.5%
20-'25		0.7%		0.9%		0.8%		0.9%		1.0%		1.0%		0.8%		1.0%		0.9%
25-'30		0.4%		0.6%		0.5%		0.5%		0.6%		0.6%		0.5%		0.6%		0.5%
07-'30		1.2%		1.4%		1.3%		1.5%		1.9%		1.7%		1.3%		1.5%		1.4%



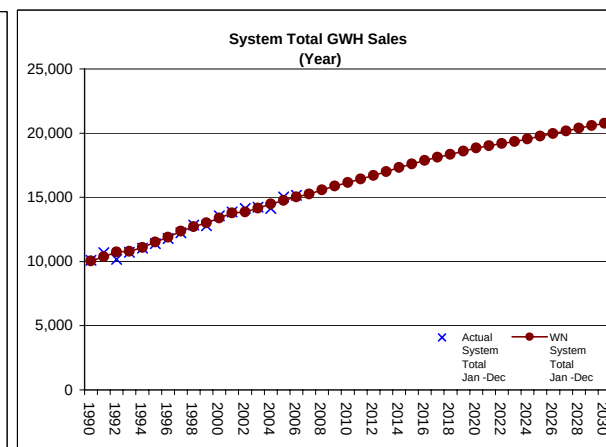
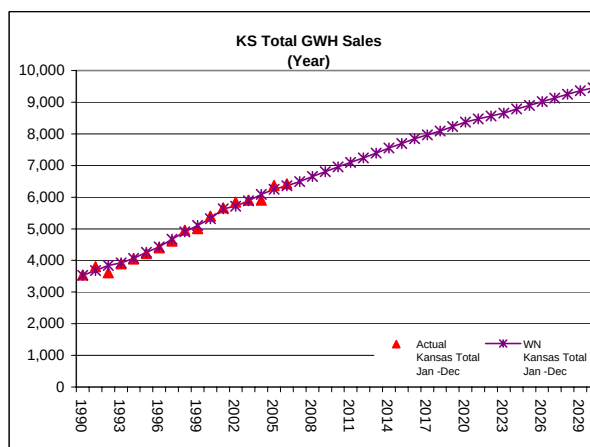
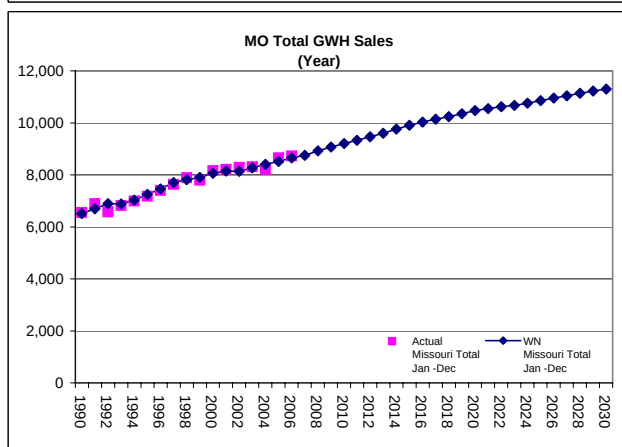
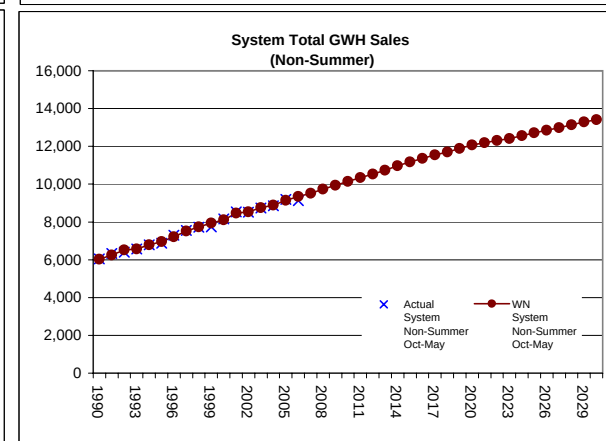
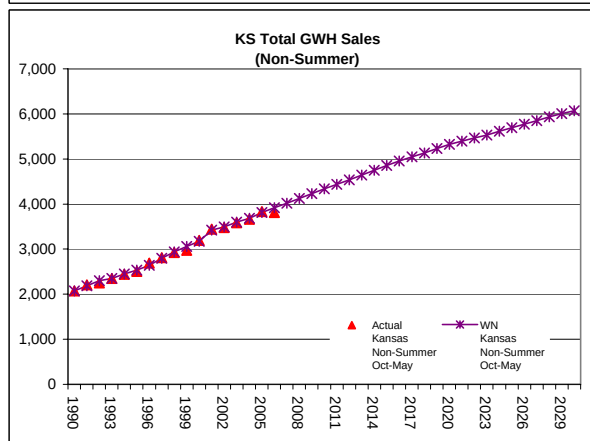
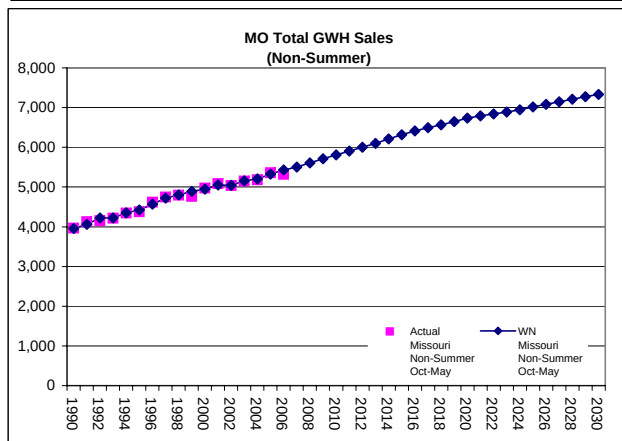
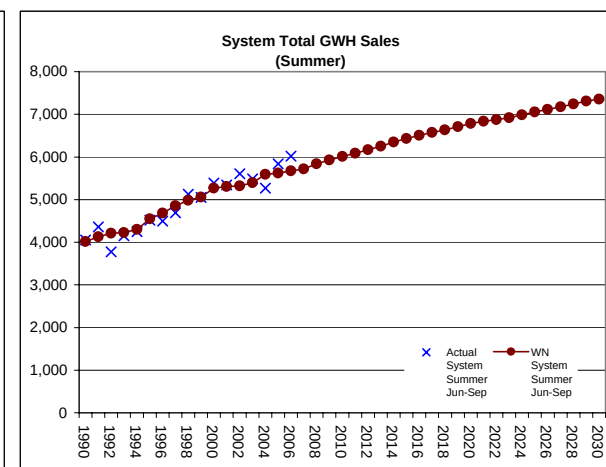
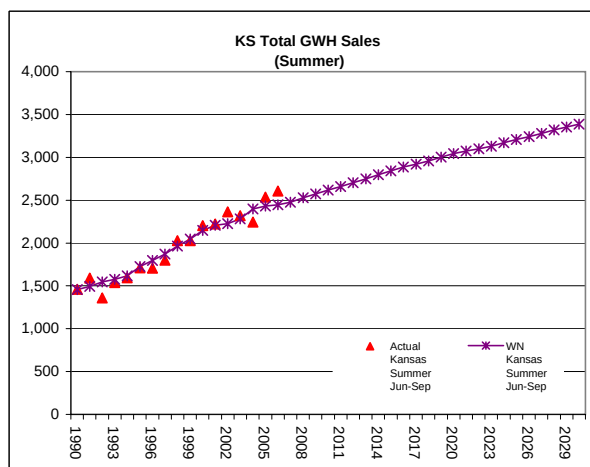
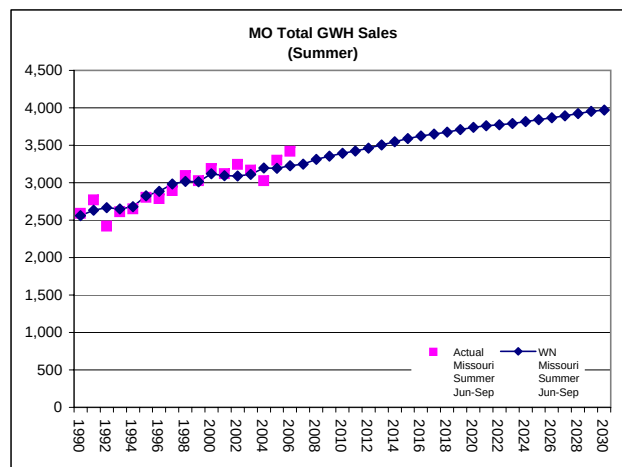
Plot H-31 Missouri & Kansas Sales for Resale GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	20.9	20.9	33.0	33.0	53.9	53.9	18.8	18.8	41.0	41.0	59.9	59.9	39.7	39.7	74.1	74.1	113.8	113.8
1991	24.1	24.1	33.0	33.0	57.1	57.1	19.3	18.7	32.8	55.3	52.1	74.0	43.4	42.8	65.8	88.2	109.2	131.1
1992	17.5	17.5	32.8	32.8	50.2	50.2	16.7	17.7	32.4	33.0	49.2	50.7	34.2	35.2	65.2	65.7	99.4	100.9
1993	18.8	18.8	33.2	33.2	52.1	52.1	19.1	19.3	34.0	33.7	53.0	53.0	37.9	38.1	67.2	66.9	105.1	105.0
1994	8.2	8.2	26.1	26.1	34.3	34.3	19.1	19.2	33.9	34.0	53.0	53.2	27.3	27.4	60.0	60.1	87.3	87.5
1995	9.0	9.0	13.8	13.8	22.8	22.8	19.2	20.6	34.8	35.0	54.0	55.6	28.2	29.6	48.6	48.8	76.8	78.4
1996	10.3	10.3	21.6	21.6	31.9	31.9	18.5	23.8	36.7	33.5	55.2	57.3	28.9	34.1	58.3	55.1	87.1	89.2
1997	20.2	20.5	37.5	37.5	57.7	58.0	22.3	22.6	38.6	38.4	60.9	61.0	42.5	43.1	76.1	75.9	118.6	119.0
1998	22.2	21.9	36.4	36.2	58.6	58.1	26.0	25.7	39.9	40.3	65.9	66.0	48.2	47.6	76.4	76.5	124.6	124.1
1999	22.6	22.7	36.7	36.8	59.4	59.5	24.3	24.3	40.1	40.7	64.4	65.0	46.9	47.1	76.8	77.4	123.8	124.5
2000	22.4	22.2	39.1	38.9	61.6	61.1	24.9	24.7	40.1	42.3	65.0	67.0	47.3	46.9	79.2	81.2	126.6	128.1
2001	21.4	21.2	38.1	38.2	59.5	59.4	24.6	24.5	41.7	41.6	66.3	66.0	46.0	45.7	79.9	79.8	125.8	125.4
2002	22.0	21.5	38.0	37.8	60.0	59.3	28.0	27.5	42.6	42.6	70.6	70.1	50.0	49.0	80.6	80.4	130.6	129.4
2003	21.8	21.5	39.1	39.2	60.9	60.7	22.1	27.0	44.9	45.0	66.9	72.0	43.8	48.5	84.0	84.1	127.8	132.7
2004	21.1	21.7	39.0	38.9	60.1	60.6	25.2	25.8	49.0	49.3	74.3	75.1	46.4	47.5	88.0	88.1	134.4	135.7
2005	22.7	22.3	39.5	39.2	62.1	61.5	28.9	28.5	48.2	48.2	77.0	76.7	51.6	50.8	87.6	87.3	139.2	138.2
2006	11.2	10.5	31.5	31.3	42.7	41.8	25.9	25.2	47.2	47.8	73.1	73.0	37.2	35.7	78.7	79.1	115.8	114.8
2007		11.1		17.5		28.6		25.5		44.1		69.6		36.6		61.6		98.2
2008		11.3		17.7		29.0		25.8		44.8		70.6		37.1		62.5		99.6
2009		11.5		18.1		29.7		26.2		46.3		72.5		37.7		64.4		102.2
2010		11.7		18.6		30.3		26.6		47.5		74.2		38.4		66.1		104.4
2011		11.9		19.0		30.9		27.2		48.7		75.9		39.1		67.7		106.8
2012		12.2		19.5		31.6		27.8		50.1		77.9		40.0		69.5		109.5
2013		12.4		19.9		32.4		28.4		51.4		79.8		40.8		71.3		112.2
2014		12.7		20.4		33.1		29.0		52.6		81.6		41.7		73.0		114.7
2015		12.9		20.8		33.7		29.6		53.7		83.3		42.4		74.6		117.0
2016		13.0		21.2		34.2		30.0		54.7		84.7		43.0		75.8		118.8
2017		13.2		21.5		34.6		30.4		55.5		85.9		43.6		77.0		120.6
2018		13.3		21.8		35.1		30.8		56.4		87.2		44.2		78.1		122.3
2019		13.5		22.1		35.6		31.3		57.2		88.4		44.7		79.3		124.0
2020		13.6		22.4		36.0		31.7		58.0		89.6		45.3		80.4		125.7
2021		13.8		22.6		36.4		32.0		58.7		90.7		45.8		81.3		127.1
2022		13.9		22.9		36.7		32.3		59.3		91.6		46.2		82.1		128.3
2023		14.0		23.1		37.0		32.6		59.8		92.4		46.5		82.9		129.4
2024		14.1		23.2		37.3		32.8		60.3		93.1		46.8		83.5		130.3
2025		14.1		23.4		37.5		33.0		60.7		93.7		47.1		84.1		131.3
2026		14.2		23.5		37.7		33.2		61.1		94.3		47.4		84.6		132.0
2027		14.3		23.7		37.9		33.4		61.4		94.8		47.6		85.1		132.7
2028		14.3		23.8		38.1		33.5		61.8		95.3		47.8		85.6		133.4
2029		14.4		23.9		38.3		33.7		62.1		95.8		48.1		86.0		134.1
2030		14.5		24.0		38.5		33.9		62.4		96.3		48.3		86.5		134.8
90-'06	-3.8%	-4.2%	-0.3%	-0.3%	-1.4%	-1.6%	2.0%	1.8%	0.9%	1.0%	1.3%	1.2%	-0.4%	-0.7%	0.4%	0.4%	0.1%	0.1%
07-'10		1.9%		1.9%		1.9%		1.4%		2.6%		2.2%		1.6%		2.4%		2.1%
10-'15		1.9%		2.3%		2.1%		2.1%		2.5%		2.4%		2.0%		2.4%		2.3%
15-'20		1.2%		1.5%		1.4%		1.4%		1.5%		1.5%		1.3%		1.5%		1.4%
20-'25		0.7%		0.9%		0.8%		0.8%		0.9%		0.9%		0.8%		0.9%		0.9%
25-'30		0.4%		0.5%		0.5%		0.5%		0.6%		0.5%		0.5%		0.6%		0.5%
07-'30		1.2%		1.4%		1.3%		1.2%		1.5%		1.4%		1.2%		1.5%		1.4%



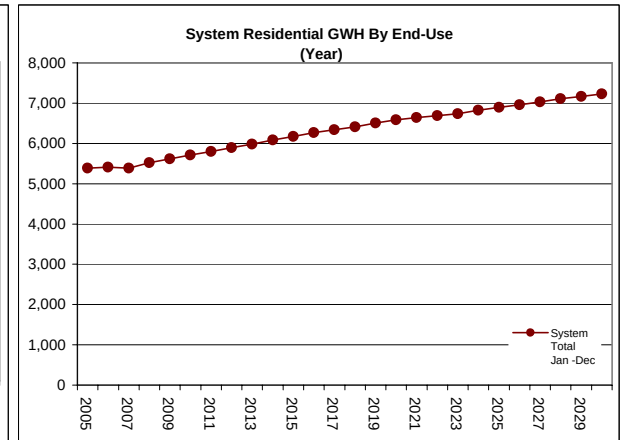
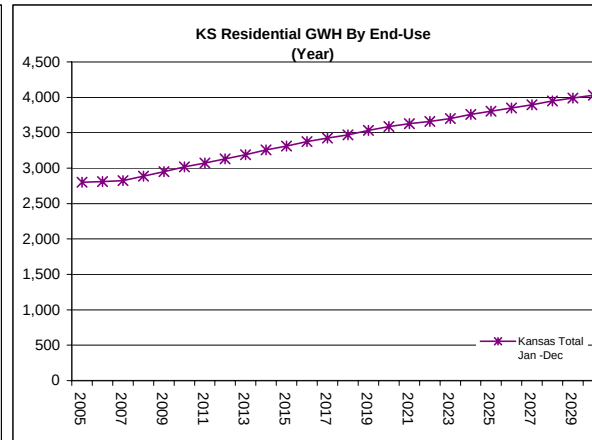
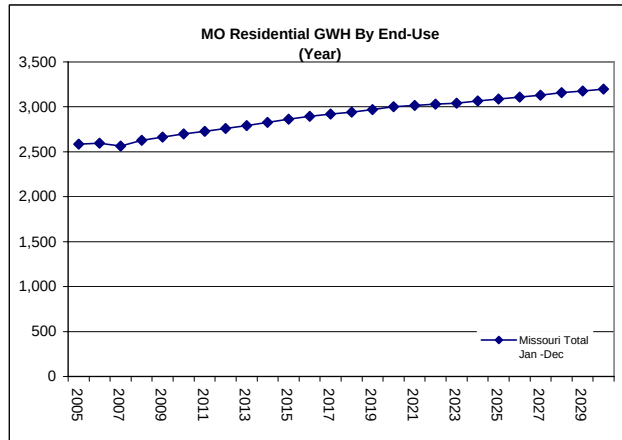
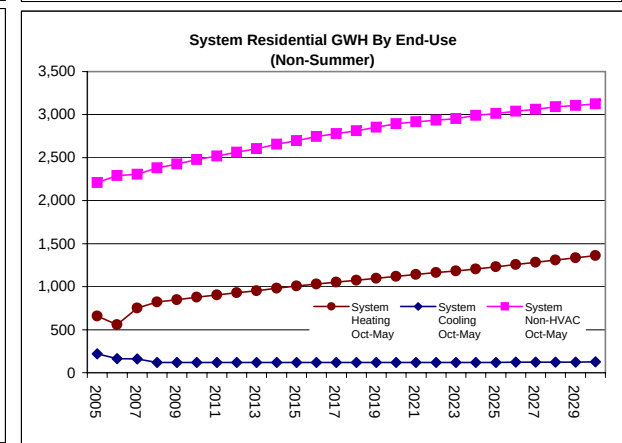
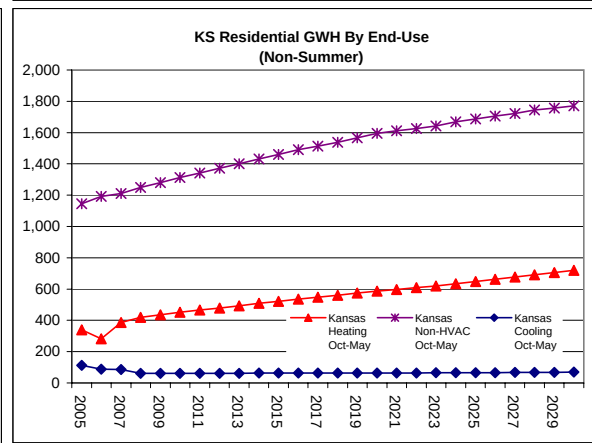
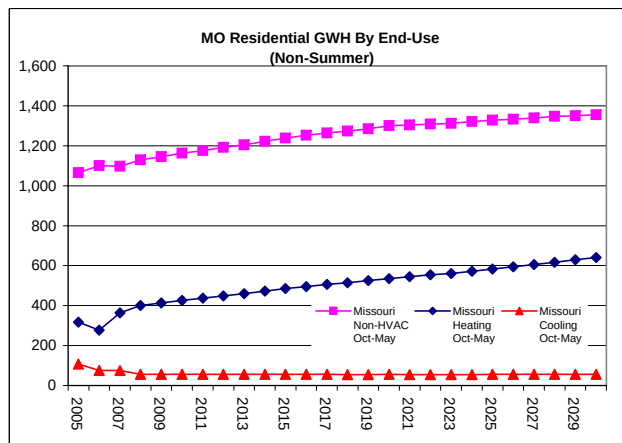
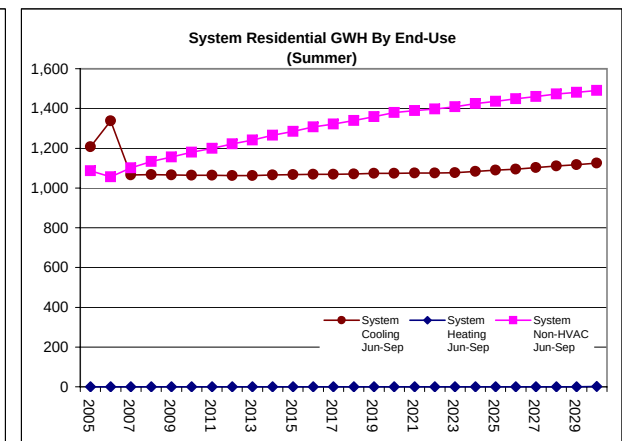
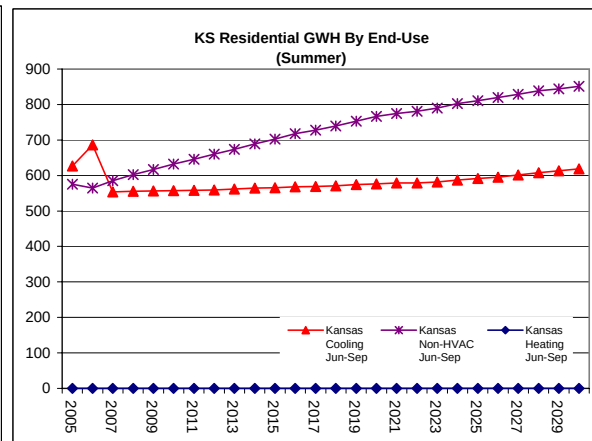
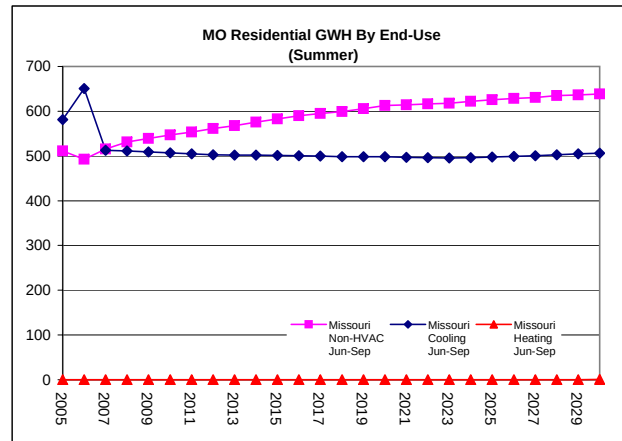
Plot H-32 Missouri & Kansas Total GWH Sales
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	2,589.8	2,559.1	3,962.6	3,951.8	6,552.3	6,510.9	1,460.5	1,456.0	2,074.5	2,075.3	3,535.0	3,531.4	4,050.3	4,015.1	6,037.1	6,027.2	10,087.3	10,042.3
1991	2,771.0	2,631.6	4,123.4	4,061.7	6,894.5	6,693.4	1,592.9	1,494.2	2,205.2	2,187.0	3,798.0	3,681.2	4,363.9	4,125.8	6,328.6	6,248.7	10,692.5	10,374.5
1992	2,419.2	2,668.1	4,151.5	4,222.8	6,570.7	6,890.9	1,357.8	1,544.4	2,249.1	2,299.8	3,606.9	3,844.2	3,776.9	4,212.5	6,400.6	6,522.6	10,177.6	10,735.1
1993	2,609.4	2,651.1	4,215.0	4,225.2	6,824.5	6,876.3	1,539.1	1,575.3	2,350.8	2,346.6	3,889.9	3,921.9	4,148.6	4,226.4	6,565.8	6,571.8	10,714.4	10,798.2
1994	2,650.3	2,680.8	4,344.7	4,346.5	6,995.0	7,027.3	1,593.9	1,618.8	2,445.6	2,448.5	4,039.6	4,067.3	4,244.2	4,299.5	6,790.3	6,795.0	11,034.5	11,094.6
1995	2,803.2	2,825.1	4,374.3	4,419.5	7,177.5	7,244.5	1,712.0	1,725.7	2,502.6	2,536.0	4,214.6	4,261.7	4,515.2	4,550.8	6,876.9	6,955.5	11,392.1	11,506.2
1996	2,784.3	2,883.5	4,617.8	4,571.7	7,402.1	7,455.2	1,708.6	1,795.8	2,687.9	2,637.7	4,396.5	4,433.5	4,492.9	4,679.3	7,305.7	7,209.4	11,798.6	11,888.7
1997	2,892.1	2,984.4	4,742.4	4,722.3	7,634.6	7,706.6	1,800.8	1,872.1	2,812.1	2,794.7	4,612.9	4,666.8	4,693.0	4,856.5	7,554.5	7,517.0	12,247.5	12,373.4
1998	3,096.0	3,015.5	4,797.1	4,805.0	7,893.1	7,820.5	2,028.7	1,964.8	2,925.7	2,936.8	4,954.4	4,901.6	5,124.7	4,980.3	7,722.8	7,741.8	12,847.5	12,722.1
1999	3,025.2	3,014.4	4,763.9	4,886.7	7,789.1	7,901.0	2,027.4	2,047.0	2,973.9	3,056.7	5,001.3	5,103.7	5,052.6	5,061.3	7,737.8	7,943.4	12,790.4	13,004.7
2000	3,186.4	3,118.1	4,972.5	4,944.8	8,158.9	8,062.8	2,203.5	2,146.5	3,195.8	3,173.4	5,399.3	5,320.0	5,389.9	5,264.6	8,168.3	8,118.2	13,558.1	13,382.8
2001	3,118.7	3,094.3	5,084.5	5,048.0	8,203.1	8,142.3	2,222.6	2,208.9	3,442.1	3,420.3	5,664.7	5,629.2	5,341.3	5,303.2	8,526.6	8,468.2	13,867.8	13,771.5
2002	3,241.7	3,091.4	5,036.7	5,042.2	8,278.5	8,133.6	2,365.6	2,226.6	3,480.1	3,490.9	5,845.7	5,717.5	5,607.3	5,318.0	8,516.8	8,533.1	14,124.1	13,851.0
2003	3,167.4	3,111.6	5,145.3	5,158.8	8,312.7	8,270.3	2,320.8	2,283.3	3,588.3	3,601.5	5,909.0	5,884.8	5,488.2	5,394.9	8,733.6	8,760.2	14,221.8	14,155.1
2004	3,027.5	3,196.0	5,183.9	5,205.2	8,211.4	8,401.2	2,243.2	2,398.5	3,665.7	3,685.1	5,908.9	6,083.6	5,270.7	5,594.5	8,849.6	8,890.3	14,120.3	14,484.8
2005	3,300.4	3,193.4	5,356.3	5,325.7	8,656.7	8,519.2	2,535.6	2,431.3	3,832.1	3,813.4	6,367.7	6,244.7	5,836.0	5,624.7	9,188.4	9,139.1	15,024.4	14,763.8
2006	3,416.7	3,227.9	5,315.5	5,427.2	8,732.2	8,655.0	2,605.5	2,444.7	3,813.4	3,918.5	6,418.9	6,363.2	6,022.2	5,672.5	9,128.9	9,345.7	15,151.1	15,018.2
2007		3,247.3		5,500.8		8,748.0		2,474.4		4,021.8		6,496.1		5,721.6		9,522.5		15,244.2
2008		3,313.9		5,606.3		8,920.3		2,527.5		4,121.5		6,648.9		5,841.4		9,727.8		15,569.2
2009		3,356.3		5,710.9		9,067.2		2,574.6		4,230.2		6,804.8		5,930.9		9,941.1		15,872.0
2010		3,391.7		5,810.9		9,202.6		2,618.6		4,336.5		6,955.1		6,010.3		10,147.5		16,157.7
2011		3,425.1		5,904.0		9,329.1		2,660.0		4,436.4		7,096.4		6,085.1		10,340.4		16,425.5
2012		3,462.9		6,001.0		9,463.9		2,703.3		4,537.6		7,241.0		6,166.2		10,538.7		16,704.9
2013		3,502.7		6,101.6		9,604.3		2,748.7		4,639.8		7,388.5		6,251.4		10,741.4		16,992.8
2014		3,548.3		6,214.2		9,762.5		2,797.4		4,752.0		7,549.4		6,345.7		10,966.3		17,311.9
2015		3,588.4		6,318.9		9,907.3		2,841.1		4,854.6		7,695.7		6,429.5		11,173.5		17,603.0
2016		3,622.7		6,411.8		10,034.5		2,885.7		4,956.8		7,842.5		6,508.4		11,368.6		17,877.0
2017		3,650.9		6,494.0		10,144.9		2,921.9		5,048.1		7,970.1		6,572.8		11,542.2		18,115.0
2018		3,675.2		6,567.0		10,242.3		2,958.9		5,133.7		8,092.6		6,634.1		11,700.8		18,334.9
2019		3,708.0		6,648.9		10,356.9		3,002.2		5,231.5		8,233.8		6,710.3		11,880.4		18,590.7
2020		3,741.2		6,737.6		10,478.8		3,042.5		5,326.0		8,368.6		6,783.7		12,063.6		18,847.3
2021		3,760.6		6,793.0		10,553.6		3,074.0		5,397.8		8,471.8		6,834.6		12,190.8		19,025.4
2022		3,775.3		6,842.1		10,617.5		3,100.1		5,464.2		8,564.3		6,875.4		12,306.3		19,181.8
2023		3,789.2		6,885.2		10,674.4		3,129.6		5,527.9		8,657.5		6,918.8		12,413.1		19,332.0
2024		3,815.5		6,947.2		10,762.7		3,170.0		5,614.6		8,784.6		6,985.5		12,561.9		19,547.3
2025		3,843.8		7,017.5		10,861.3		3,207.1		5,694.9		8,902.0		7,050.9		12,712.4		19,763.3
2026		3,868.8		7,081.3		10,950.1		3,242.2		5,772.9		9,015.1		7,111.0		12,854.2		19,965.2
2027		3,893.8		7,143.0		11,036.8		3,279.7		5,849.4		9,129.1		7,173.5		12,992.3		20,165.9
2028		3,923.5		7,211.8		11,135.3		3,320.2		5,932.8		9,253.0		7,243.7		13,144.6		20,388.3
2029		3,951.1		7,278.3		11,229.4		3,354.9		6,006.8		9,361.7		7,306.0		13,285.1		20,591.0
2030		3,971.8		7,331.8		11,303.6		3,385.9		6,072.9		9,458.8		7,357.7		13,404.7		20,762.4
90-'06	1.7%	1.5%	1.9%	2.0%	1.8%	1.8%	3.7%	3.3%	3.9%	4.1%	3.8%	3.7%	2.5%	2.2%	2.6%	2.8%	2.6%	2.5%
07-'10		1.5%		1.8%		1.7%		1.9%		2.5%		2.3%		1.7%		2.1%		2.0%
10-'15		1.1%		1.7%		1.5%		1.6%		2.3%		2.0%		1.4%		1.9%		1.7%
15-'20		0.8%		1.3%		1.1%		1.4%		1.9%		1.7%		1.1%		1.5%		1.4%
20-'25		0.5%		0.8%		0.7%		1.1%		1.3%		1.2%		0.8%		1.1%		1.0%
25-'30		0.7%		0.9%		0.8%		1.1%		1.3%		1.2%		0.9%		1.1%		1.0%
07-'30		0.9%		1.3%		1.1%		1.4%		1.8%		1.6%		1.1%		1.5%		1.4%



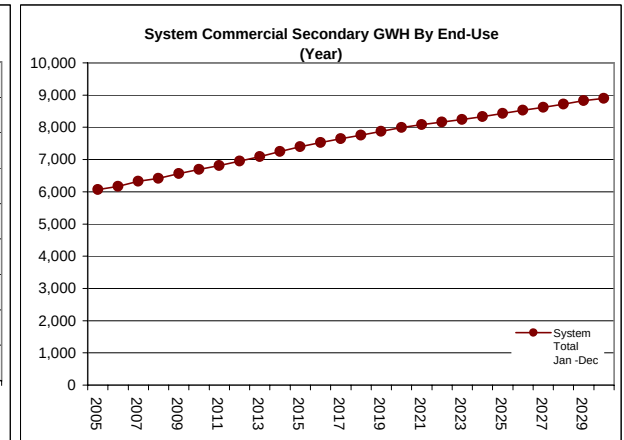
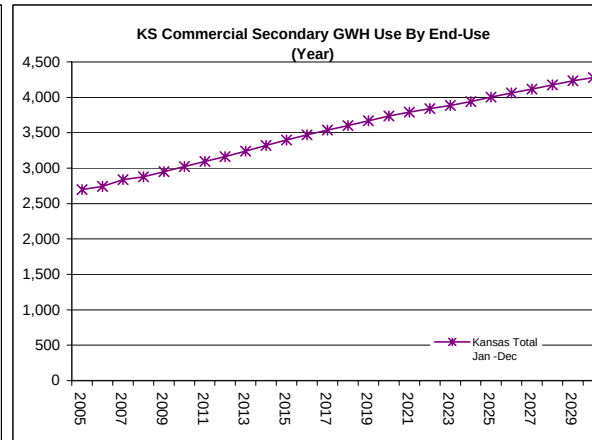
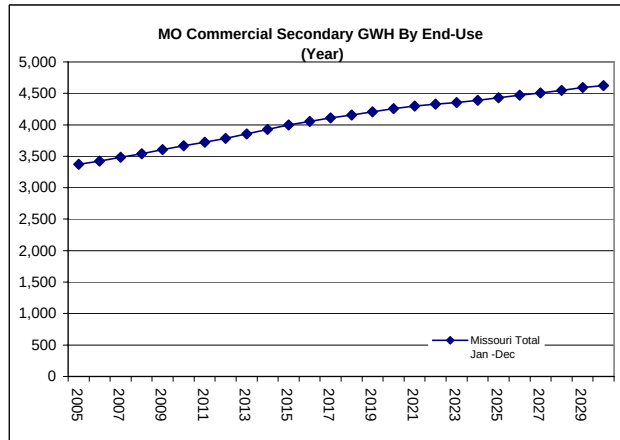
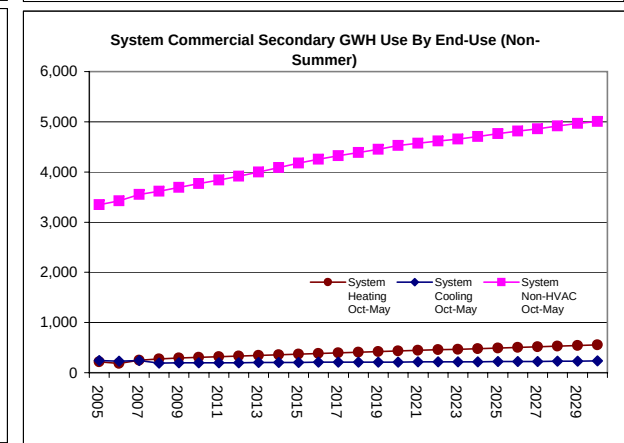
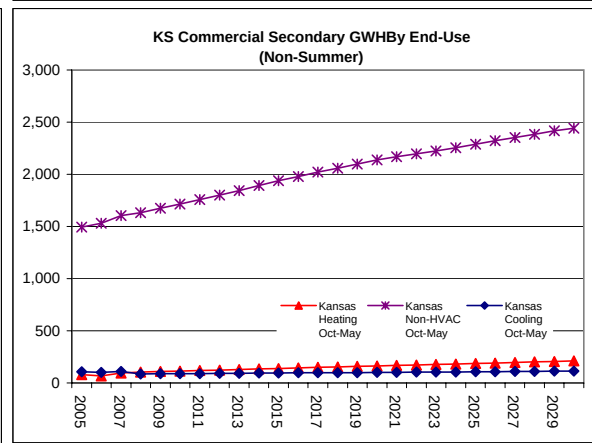
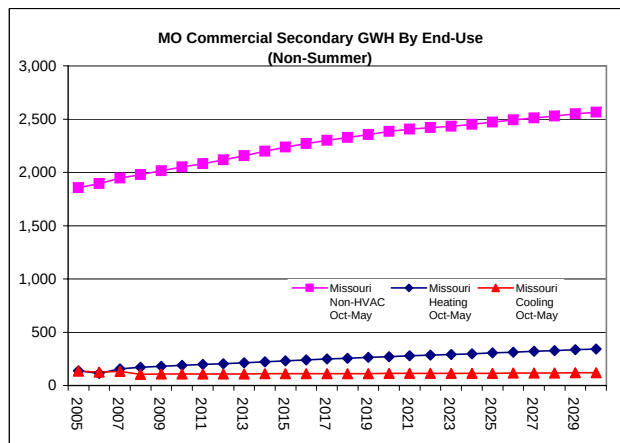
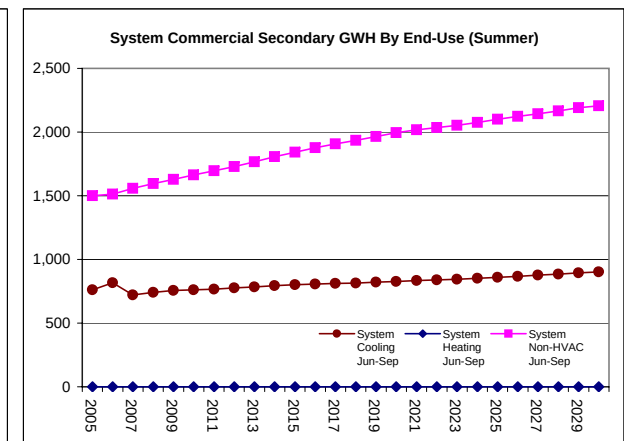
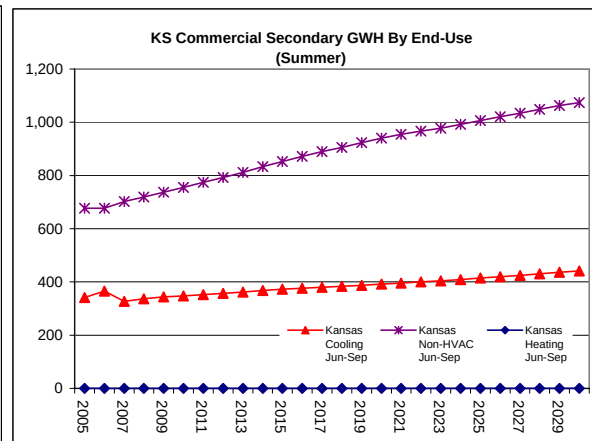
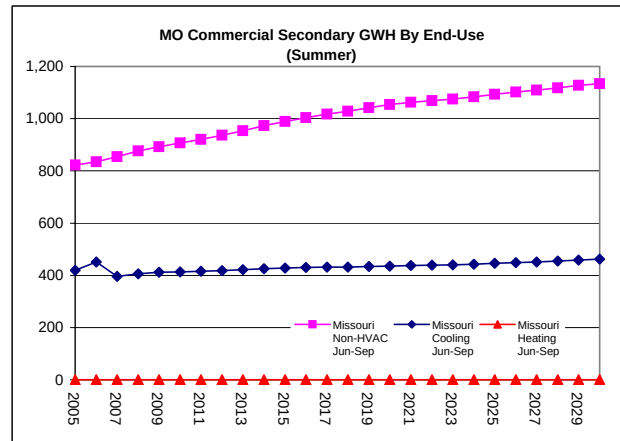
Plot H-33 Missouri & Kansas Residential GWH By End-Use

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan-Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan-Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan-Dec
2005	581.44	107.46	0.24	317.64	511.45	1,065.11	2,583.33	626.36	113.29	0.13	339.81	575.37	1,145.70	2,800.66	1,207.80	220.75	0.37	657.45	1,086.82	2,210.80	5,384.00
2006	650.86	75.09	0.00	276.99	492.32	1,100.11	2,595.38	686.21	87.21	0.06	282.72	564.34	1,191.56	2,812.08	1,337.07	162.29	0.06	559.71	1,056.66	2,291.67	5,407.46
2007	512.38	74.71	0.24	363.71	515.49	1,097.36	2,563.88	553.87	86.63	0.24	387.48	585.72	1,209.92	2,823.86	1,066.25	161.33	0.48	751.19	1,101.21	2,307.28	5,387.74
2008	511.23	56.71	0.24	400.37	531.29	1,129.19	2,629.03	555.19	61.48	0.25	419.99	602.30	1,250.02	2,889.24	1,066.43	118.19	0.49	820.36	1,133.59	2,379.21	5,518.27
2009	509.40	56.39	0.24	413.46	538.84	1,145.57	2,663.90	556.19	61.60	0.26	436.10	616.88	1,280.82	2,951.85	1,065.59	117.99	0.51	849.55	1,155.72	2,426.39	5,615.75
2010	507.20	56.23	0.24	425.43	547.33	1,162.83	2,699.27	557.43	61.74	0.27	451.35	632.39	1,313.30	3,016.48	1,064.63	117.97	0.52	876.78	1,179.72	2,476.14	5,715.76
2011	504.91	55.82	0.25	437.42	553.63	1,175.80	2,727.82	558.41	61.85	0.28	465.64	645.81	1,341.54	3,073.54	1,063.32	117.67	0.53	903.07	1,199.44	2,517.35	5,801.36
2012	502.86	55.66	0.25	448.77	561.04	1,192.19	2,760.78	559.09	61.93	0.29	479.31	660.15	1,371.88	3,132.64	1,061.95	117.59	0.54	928.08	1,221.20	2,564.07	5,893.42
2013	501.63	55.53	0.25	460.15	567.42	1,205.15	2,790.14	561.52	62.21	0.30	493.37	674.06	1,400.04	3,191.51	1,063.16	117.74	0.55	953.52	1,241.49	2,605.20	5,981.64
2014	501.93	55.62	0.25	472.99	575.65	1,221.82	2,828.26	564.18	62.50	0.31	508.75	689.09	1,432.45	3,257.27	1,066.11	118.12	0.56	981.74	1,264.73	2,654.26	6,085.52
2015	501.49	55.43	0.25	484.51	582.68	1,237.59	2,861.96	565.72	62.67	0.32	522.00	702.24	1,460.07	3,313.03	1,067.22	118.10	0.57	1,006.51	1,284.92	2,697.66	6,174.98
2016	500.80	55.70	0.25	495.45	590.22	1,252.93	2,895.35	568.37	62.97	0.32	535.52	717.50	1,491.33	3,376.02	1,069.17	118.67	0.58	1,030.97	1,307.72	2,744.27	6,271.37
2017	499.55	55.42	0.25	505.40	594.68	1,262.99	2,918.29	569.17	63.05	0.33	548.46	727.53	1,514.05	3,422.60	1,068.72	118.48	0.59	1,053.86	1,322.21	2,777.04	6,340.89
2018	498.52	55.14	0.26	514.86	599.14	1,272.98	2,940.90	571.29	63.31	0.34	559.70	739.61	1,537.41	3,471.66	1,069.81	118.45	0.59	1,074.56	1,338.75	2,810.40	6,412.56
2019	498.45	55.10	0.26	524.60	605.63	1,285.23	2,969.28	574.75	63.69	0.35	573.93	753.45	1,567.11	3,533.29	1,073.21	118.79	0.60	1,098.53	1,359.08	2,852.35	6,502.56
2020	498.09	55.32	0.26	535.14	612.63	1,300.30	3,001.73	576.34	63.87	0.36	586.04	766.59	1,594.53	3,587.73	1,074.43	119.19	0.61	1,121.18	1,379.23	2,894.83	6,589.47
2021	497.21	55.25	0.26	544.51	614.22	1,304.08	3,015.53	578.70	64.14	0.36	598.03	774.71	1,611.13	3,627.08	1,075.92	119.39	0.62	1,142.54	1,388.93	2,915.21	6,642.61
2022	496.08	54.90	0.26	553.40	616.28	1,308.79	3,029.71	579.32	64.20	0.37	609.23	781.38	1,626.66	3,661.16	1,075.41	119.10	0.63	1,162.63	1,397.67	2,935.45	6,690.88
2023	495.30	55.04	0.26	561.35	617.89	1,311.72	3,041.57	581.95	64.51	0.37	619.59	790.15	1,642.48	3,699.05	1,077.25	119.55	0.63	1,180.94	1,408.04	2,954.20	6,740.62
2024	495.89	55.17	0.26	571.22	622.40	1,320.96	3,065.90	586.81	65.05	0.38	634.67	802.80	1,669.57	3,759.28	1,082.70	120.22	0.64	1,205.89	1,425.20	2,990.53	6,825.18
2025	497.75	55.29	0.26	583.15	625.31	1,326.95	3,088.71	591.19	65.54	0.39	648.41	811.06	1,686.69	3,803.29	1,088.94	120.83	0.65	1,231.56	1,436.37	3,013.64	6,891.99
2026	498.94	55.40	0.26	594.20	628.31	1,332.63	3,109.73	595.48	66.01	0.40	662.31	819.67	1,705.07	3,848.94	1,094.41	121.41	0.66	1,256.50	1,447.98	3,037.70	6,958.67
2027	500.52	55.49	0.26	605.11	630.89	1,338.73	3,131.01	601.86	66.73	0.41	676.27	828.31	1,722.52	3,896.11	1,102.39	122.22	0.67	1,281.39	1,459.20	3,061.26	7,027.12
2028	502.87	55.57	0.26	617.06	634.75	1,346.85	3,157.36	608.13	67.43	0.42	691.50	838.63	1,744.03	3,950.13	1,111.00	123.00	0.68	1,308.56	1,473.37	3,090.88	7,107.49
2029	504.47	55.92	0.26	628.81	636.29	1,350.57	3,176.33	613.38	68.01	0.43	706.10	844.47	1,756.75	3,989.13	1,117.85	123.94	0.69	1,334.91	1,480.76	3,107.32	7,165.46
2030	506.31	56.01	0.53	640.59	638.61	1,354.80	3,196.85	618.56	68.59	0.44	720.15	851.53	1,771.11	4,030.39	1,124.87	124.61	0.96	1,360.74	1,490.14	3,125.91	7,227.23
05-'07	-6.1%	-16.6%	0.6%	7.0%	0.4%	1.5%	-0.4%	-6.0%	-12.6%	36.1%	6.8%	0.9%	2.8%	0.4%	-6.0%	-14.5%	14.6%	6.9%	0.7%	2.2%	0.0%
08-'10	-0.4%	-0.4%	0.6%	3.1%	1.5%	1.5%	1.3%	0.2%	0.2%	4.2%	3.7%	2.5%	2.5%	2.2%	-0.1%	-0.1%	2.5%	3.4%	2.0%	2.0%	1.8%
10-'20	-0.2%	-0.2%	0.5%	2.3%	1.1%	1.1%	1.1%	0.3%	0.3%	2.6%	2.6%	1.9%	2.0%	1.7%	0.1%	0.1%	1.7%	2.5%	1.6%	1.6%	1.4%
20-'30	0.2%	0.1%	7.4%	1.8%	0.4%	0.4%	0.6%	0.7%	0.7%	2.1%	2.1%	1.1%	1.1%	1.2%	0.5%	0.4%	4.6%	2.0%	0.8%	0.8%	0.9%
07-'30	-0.1%	-1.2%	3.5%	2.5%	0.9%	0.9%	1.0%	0.5%	-1.0%	2.5%	2.7%	1.6%	1.7%	1.6%	0.2%	-1.1%	3.0%	2.6%	1.3%	1.3%	1.3%



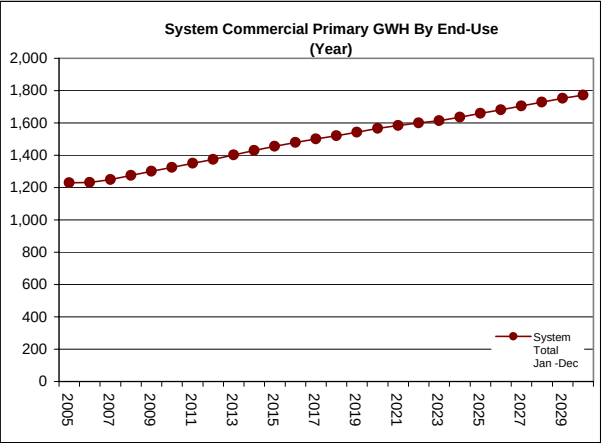
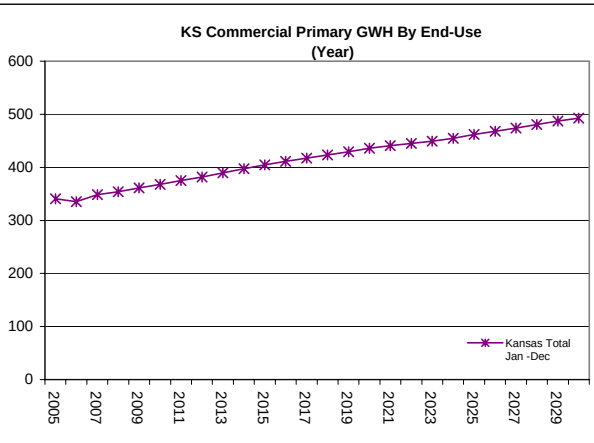
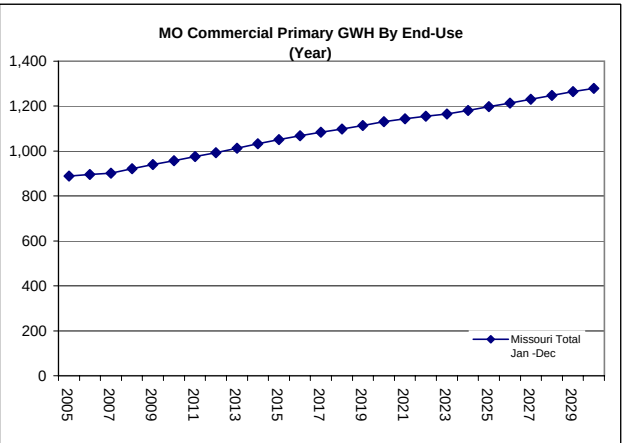
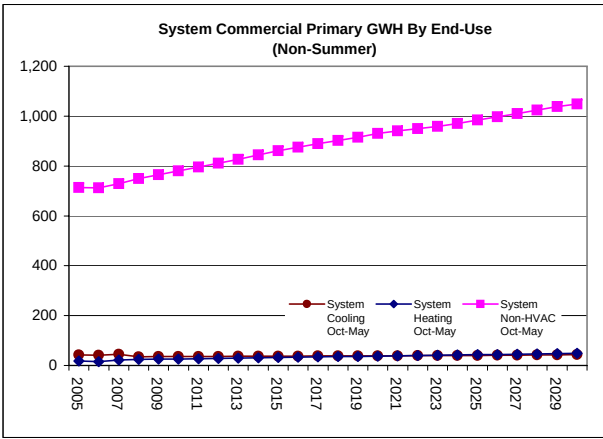
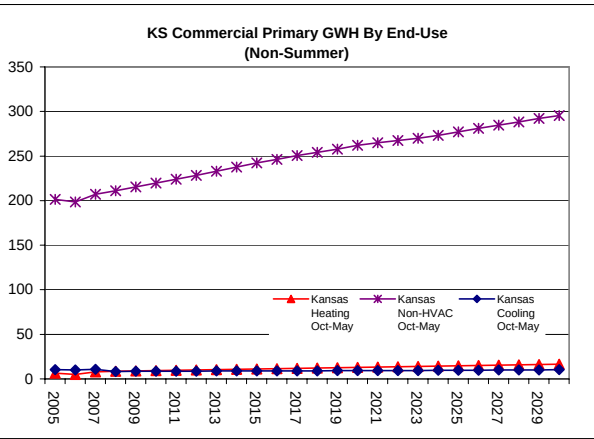
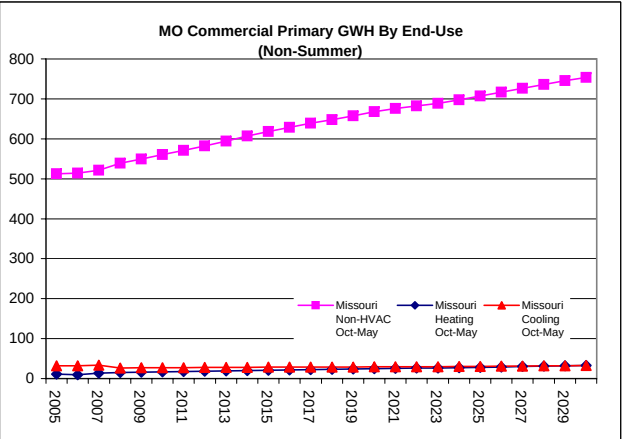
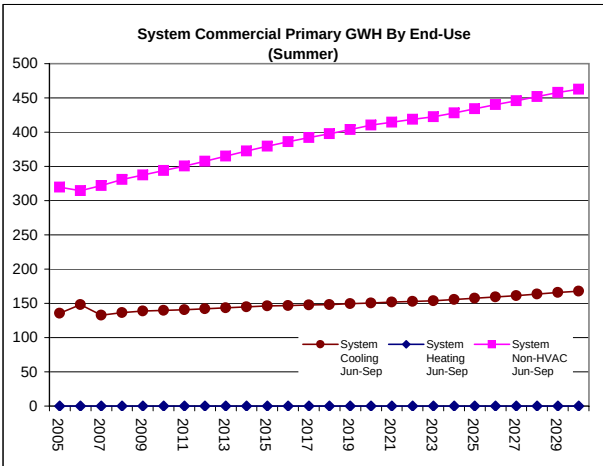
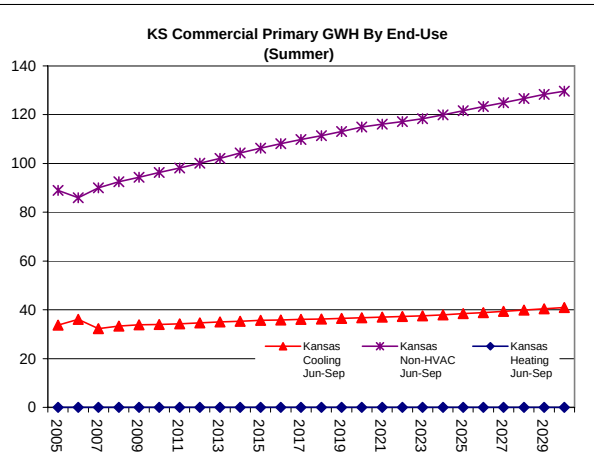
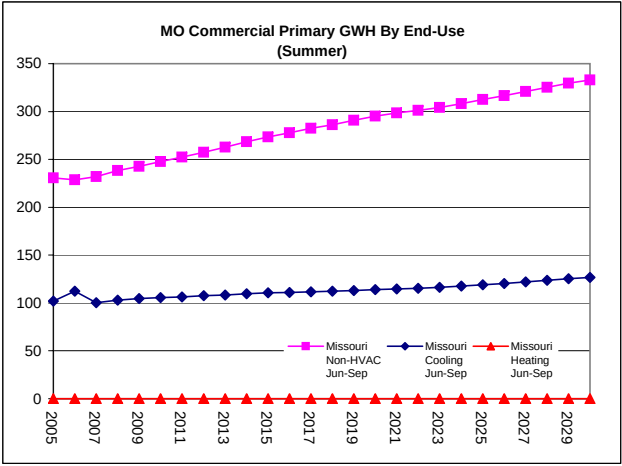
Plot H-34 Missouri & Kansas Commercial Secondary GWH By End-Use

	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan-Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan-Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan-Dec
2005	419.34	135.49	0.09	137.56	823.06	1,856.64	3,372.17	341.21	107.21	0.03	79.21	676.68	1,493.00	2,697.34	760.55	242.70	0.12	216.77	1,499.74	3,349.64	6,069.51
2006	451.12	125.65	0.03	114.70	834.68	1,895.05	3,421.23	365.79	101.81	0.03	67.23	676.67	1,530.50	2,742.03	816.91	227.46	0.06	181.93	1,511.35	3,425.55	6,163.26
2007	395.44	132.30	0.09	155.34	854.32	1,946.32	3,483.81	326.80	109.92	0.08	95.58	702.44	1,603.20	2,838.03	722.23	242.23	0.17	250.92	1,556.77	3,549.52	6,321.84
2008	406.00	105.08	0.13	172.27	876.39	1,979.80	3,539.68	336.09	86.30	0.08	104.04	718.99	1,632.38	2,877.88	742.10	191.38	0.21	276.31	1,595.37	3,612.18	6,417.56
2009	412.02	106.69	0.13	181.34	892.09	2,016.10	3,608.37	343.51	88.22	0.08	109.26	737.11	1,673.91	2,952.10	755.53	194.91	0.21	290.60	1,629.20	3,690.01	6,560.47
2010	413.19	107.05	0.13	189.45	906.73	2,049.62	3,666.18	347.46	89.24	0.08	114.09	755.70	1,716.16	3,022.73	760.65	196.29	0.21	303.54	1,662.43	3,765.78	6,688.91
2011	414.93	107.47	0.13	197.28	921.05	2,082.12	3,722.99	351.82	90.36	0.08	118.77	774.06	1,758.04	3,093.13	766.75	197.83	0.22	316.05	1,695.11	3,840.16	6,816.11
2012	418.41	108.38	0.13	205.31	936.28	2,116.33	3,784.84	357.30	91.78	0.09	123.53	792.39	1,799.76	3,164.85	775.72	200.16	0.22	328.84	1,728.67	3,916.09	6,949.69
2013	421.64	109.24	0.13	213.64	953.90	2,155.26	3,853.81	362.12	93.03	0.09	128.42	812.08	1,843.83	3,239.56	783.76	202.27	0.22	342.06	1,765.97	3,999.09	7,093.38
2014	425.29	110.18	0.14	222.59	972.64	2,197.74	3,928.58	367.49	94.40	0.09	133.64	833.02	1,891.50	3,320.14	792.78	204.58	0.22	356.24	1,805.67	4,089.24	7,248.72
2015	428.33	110.95	0.14	231.44	989.52	2,237.03	3,997.42	372.38	95.67	0.09	138.86	852.82	1,937.18	3,397.01	800.71	206.63	0.23	370.30	1,842.34	4,174.21	7,394.43
2016	429.79	111.37	0.17	239.70	1,004.19	2,270.45	4,055.68	376.34	96.69	0.09	143.98	871.60	1,979.84	3,468.54	806.13	208.07	0.26	383.68	1,875.79	4,250.29	7,524.22
2017	430.93	111.69	0.17	247.88	1,016.96	2,300.41	4,108.05	380.20	97.72	0.12	149.05	889.36	2,020.97	3,537.42	811.12	209.41	0.30	396.93	1,906.32	4,321.38	7,645.47
2018	431.34	111.77	0.17	255.57	1,028.43	2,326.35	4,153.65	383.29	98.48	0.13	153.92	905.71	2,058.29	3,599.81	814.63	210.25	0.30	409.50	1,934.14	4,384.64	7,753.46
2019	433.39	112.25	0.18	263.39	1,041.61	2,355.19	4,206.00	387.66	99.62	0.13	158.88	923.39	2,097.69	3,667.36	821.04	211.87	0.30	422.26	1,965.00	4,452.88	7,873.36
2020	435.33	112.75	0.18	271.05	1,054.67	2,385.71	4,259.69	391.80	100.66	0.13	163.59	940.85	2,138.23	3,735.25	827.13	213.41	0.30	434.63	1,995.52	4,523.94	7,994.94
2021	437.41	113.30	0.18	278.00	1,063.03	2,404.77	4,296.68	396.13	101.81	0.13	168.04	954.27	2,168.94	3,789.32	833.54	215.11	0.31	446.03	2,017.29	4,573.71	8,085.99
2022	438.81	113.71	0.18	284.57	1,069.28	2,420.09	4,326.65	400.08	102.79	0.13	172.34	966.22	2,197.04	3,838.59	838.89	216.50	0.31	456.91	2,035.50	4,617.13	8,165.24
2023	439.83	113.96	0.18	290.81	1,075.13	2,432.87	4,352.77	403.59	103.74	0.13	176.49	977.89	2,223.14	3,884.98	843.42	217.70	0.31	467.29	2,053.02	4,656.01	8,237.75
2024	442.55	114.74	0.18	297.71	1,083.44	2,450.62	4,389.23	408.78	105.09	0.13	181.10	991.94	2,254.11	3,941.15	851.33	219.83	0.31	478.81	2,075.38	4,704.73	8,330.39
2025	445.78	115.54	0.22	305.48	1,093.04	2,472.72	4,432.77	414.29	106.52	0.14	186.30	1,006.95	2,288.73	4,002.92	860.06	222.06	0.35	491.78	2,099.99	4,761.45	8,435.70
2026	448.20	116.19	0.22	312.80	1,101.39	2,491.99	4,470.78	419.12	107.78	0.14	191.17	1,020.83	2,320.56	4,059.61	867.32	223.97	0.35	503.97	2,122.22	4,812.55	8,530.38
2027	451.18	117.00	0.22	320.08	1,109.37	2,510.17	4,508.02	424.51	109.14	0.14	196.05	1,034.43	2,351.54	4,115.81	875.69	226.14	0.36	516.13	2,143.80	4,861.71	8,623.82
2028	454.83	117.95	0.22	327.70	1,118.28	2,529.92	4,548.90	430.31	110.63	0.14	201.24	1,048.65	2,383.61	4,174.58	885.14	228.58	0.36	528.95	2,166.94	4,913.53	8,723.48
2029	458.79	118.94	0.22	335.48	1,127.28	2,550.69	4,591.39	436.26	112.15	0.14	206.38	1,062.53	2,415.69	4,233.16	895.05	231.09	0.36	541.87	2,189.81	4,966.38	8,824.56
2030	461.71	119.68	0.22	342.90	1,133.34	2,564.55	4,622.39	441.18	113.47	0.14	211.29	1,073.41	2,440.60	4,280.10	902.89	233.15	0.36	554.19	2,206.75	5,005.15	8,902.49
05-'07	-2.9%	-1.2%	0.5%	6.3%	1.9%	2.4%	1.6%	-2.1%	1.3%	76.2%	9.9%	1.9%	3.6%	2.6%	-2.6%	-0.1%	20.8%	7.6%	1.9%	2.9%	2.1%
08-'10	0.9%	0.9%	1.1%	4.9%	1.7%	1.7%	1.8%	1.7%	1.7%	1.9%	4.7%	2.5%	2.5%	2.5%	1.2%	1.3%	1.4%	4.8%	2.1%	2.1%	2.1%
10-'20	0.5%	0.5%	3.1%	3.6%	1.5%	1.5%	1.5%	1.2%	1.2%	4.5%	3.7%	2.2%	2.2%	2.1%	0.8%	0.8%	3.7%	3.7%	1.8%	1.9%	1.8%
20-'30	0.6%	0.6%	2.2%	2.4%	0.7%	0.7%	0.8%	1.2%	1.2%	1.0%	2.6%	1.3%	1.3%	1.4%	0.9%	0.9%	1.7%	2.5%	1.0%	1.0%	1.1%
07-'30	0.7%	-0.4%	3.8%	3.5%	1.2%	1.2%	1.2%	1.3%	0.1%	2.6%	3.5%	1.9%	1.8%	1.8%	1.0%	-0.2%	3.3%	3.5%	1.5%	1.5%	1.5%



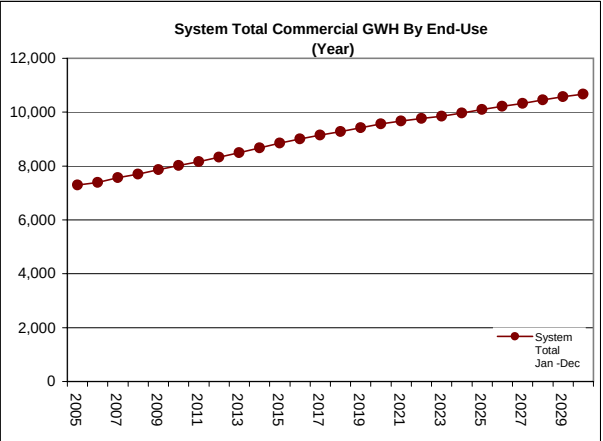
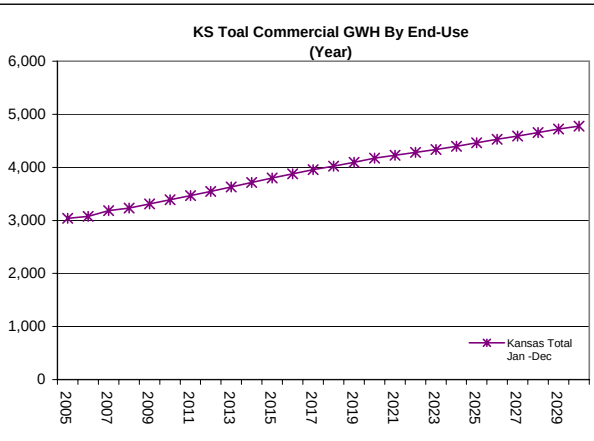
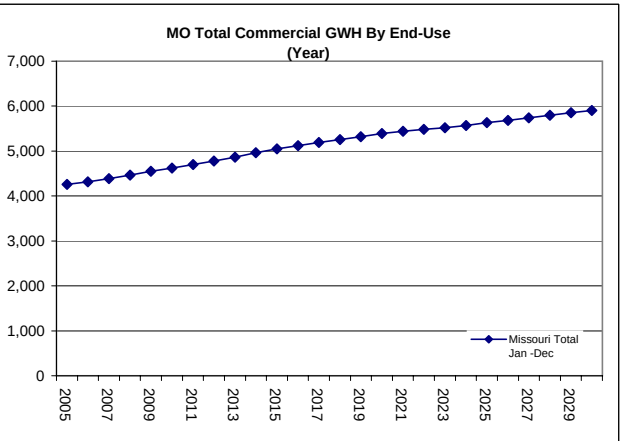
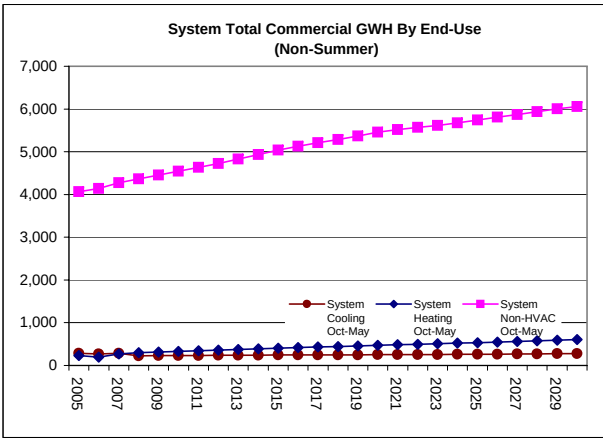
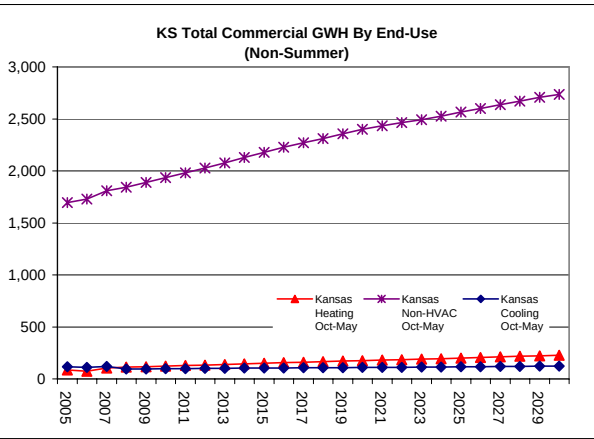
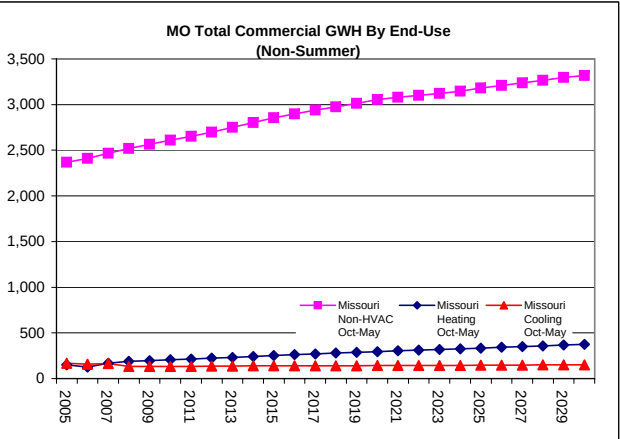
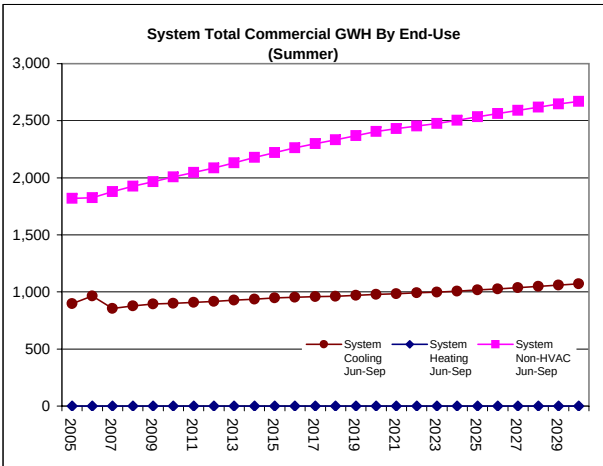
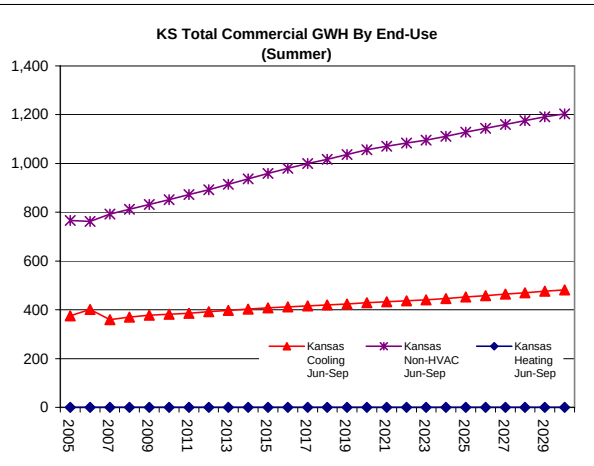
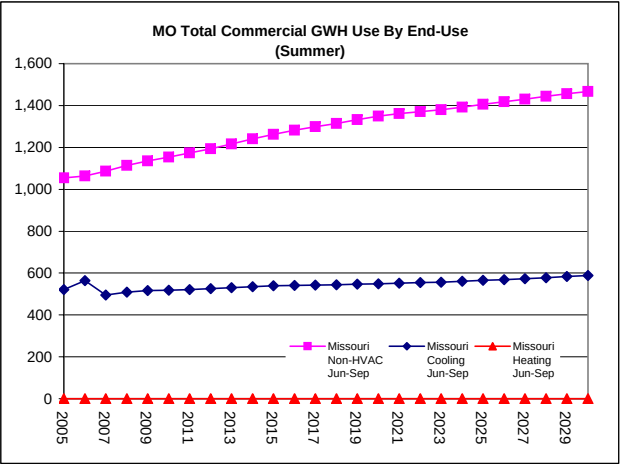
Plot H-35 Missouri & Kansas Commercial Primary GWH By End-Use

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan-Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan-Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan-Dec
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec
2005	101.84	32.10	0.01	11.51	230.64	512.38	888.49	33.71	10.52	0.00	6.43	89.02	201.28	340.96	135.55	42.63	0.01	17.94	319.66	713.66	1,229.45
2006	112.27	31.76	0.00	9.85	228.52	513.74	896.14	36.03	9.89	0.00	5.13	85.98	198.53	335.55	148.30	41.65	0.00	14.98	314.50	712.27	1,231.69
2007	100.33	33.51	0.01	13.46	232.03	521.49	900.83	32.34	10.85	0.00	7.92	90.02	207.14	348.27	132.67	44.36	0.01	21.39	322.05	728.63	1,249.11
2008	103.12	26.59	0.01	15.20	238.26	538.63	921.80	33.27	8.41	0.00	8.71	92.56	211.01	353.97	136.39	35.01	0.01	23.91	330.82	749.64	1,275.78
2009	104.76	27.02	0.01	16.03	242.81	549.26	939.89	33.80	8.55	0.00	9.11	94.34	215.28	361.08	138.56	35.56	0.01	25.14	337.16	764.54	1,300.98
2010	105.47	27.20	0.01	16.81	247.76	560.30	957.54	34.03	8.61	0.00	9.46	96.28	219.60	367.98	139.50	35.80	0.01	26.27	344.04	779.89	1,325.52
2011	106.28	27.41	0.01	17.57	252.54	571.24	975.05	34.29	8.67	0.00	9.81	98.15	223.89	374.81	140.57	36.08	0.01	27.37	350.70	795.13	1,349.86
2012	107.48	27.72	0.01	18.33	257.45	582.32	993.31	34.68	8.77	0.00	10.15	100.08	228.23	381.91	142.16	36.49	0.01	28.49	357.53	810.55	1,375.22
2013	108.48	27.97	0.01	19.12	262.72	594.05	1,012.35	35.00	8.85	0.00	10.51	102.14	232.83	389.33	143.48	36.82	0.01	29.63	364.86	826.88	1,401.68
2014	109.58	28.26	0.01	19.95	268.29	606.68	1,032.77	35.36	8.94	0.00	10.89	104.32	237.78	397.29	144.94	37.20	0.01	30.84	372.60	844.46	1,430.05
2015	110.50	28.49	0.01	20.77	273.31	618.32	1,051.41	35.66	9.02	0.00	11.26	106.29	242.34	404.57	146.16	37.51	0.01	32.03	379.60	860.66	1,455.97
2016	111.08	28.64	0.02	21.55	277.86	628.63	1,067.79	35.84	9.06	0.00	11.62	108.07	246.39	410.98	146.93	37.71	0.02	33.17	385.93	875.02	1,478.77
2017	111.75	28.81	0.02	22.35	282.33	638.92	1,084.18	36.06	9.12	0.00	11.98	109.82	250.42	417.39	147.81	37.92	0.02	34.34	392.15	889.34	1,501.57
2018	112.16	28.92	0.02	23.12	286.27	648.07	1,098.56	36.19	9.15	0.00	12.32	111.36	254.01	423.03	148.35	38.07	0.02	35.44	397.63	902.08	1,521.59
2019	112.99	29.13	0.02	23.88	290.69	657.63	1,114.33	36.46	9.22	0.00	12.66	113.09	257.75	429.17	149.45	38.35	0.02	36.53	403.78	915.38	1,543.50
2020	113.85	29.35	0.02	24.65	295.28	668.25	1,131.40	36.74	9.29	0.00	13.00	114.89	261.91	435.83	150.58	38.64	0.02	37.65	410.17	930.16	1,567.22
2021	114.71	29.58	0.02	25.36	298.45	675.51	1,143.63	37.02	9.36	0.00	13.31	116.13	264.76	440.57	151.73	38.93	0.02	38.67	414.58	940.27	1,584.20
2022	115.49	29.77	0.02	26.05	301.26	682.19	1,154.77	37.27	9.42	0.00	13.61	117.23	267.38	444.90	152.75	39.20	0.02	39.65	418.49	949.56	1,599.67
2023	116.23	29.97	0.02	26.73	304.15	688.58	1,165.67	37.50	9.48	0.00	13.90	118.36	269.88	449.13	153.73	39.45	0.02	40.63	422.52	958.46	1,614.80
2024	117.57	30.32	0.02	27.50	308.14	697.15	1,180.70	37.94	9.59	0.00	14.24	119.92	273.24	454.94	155.51	39.91	0.02	41.75	428.07	970.39	1,635.64
2025	119.07	30.70	0.02	28.38	312.57	707.27	1,198.00	38.42	9.72	0.00	14.63	121.66	277.21	461.63	157.49	40.42	0.02	43.01	434.22	984.47	1,659.63
2026	120.38	31.04	0.02	29.22	316.70	716.71	1,214.06	38.84	9.82	0.00	15.01	123.28	280.91	467.86	159.23	40.86	0.02	44.23	439.98	997.61	1,681.92
2027	121.86	31.42	0.02	30.06	320.77	725.99	1,230.12	39.32	9.94	0.00	15.39	124.87	284.54	474.07	161.18	41.36	0.02	45.45	445.64	1,010.53	1,704.19
2028	123.55	31.86	0.02	30.95	325.18	735.82	1,247.38	39.87	10.08	0.00	15.79	126.59	288.40	480.72	163.42	41.94	0.02	46.74	451.77	1,024.22	1,728.10
2029	125.28	32.30	0.02	31.86	329.55	745.87	1,264.89	40.43	10.22	0.00	16.20	128.31	292.34	487.49	165.71	42.53	0.02	48.06	457.86	1,038.20	1,752.38
2030	126.73	32.67	0.02	32.73	333.02	753.75	1,278.92	40.89	10.34	0.00	16.59	129.67	295.43	492.91	167.62	43.01	0.02	49.32	462.69	1,049.17	1,771.83
05-'07	-0.7%	2.2%	13.4%	8.2%	0.3%	0.9%	0.7%	-2.0%	1.5%	0.0%	11.0%	0.6%	1.4%	1.1%	-1.1%	2.0%	13.4%	9.2%	0.4%	1.0%	0.8%
08-'10	1.1%	1.1%	4.9%	5.2%	2.0%	2.0%	1.9%	1.1%	1.1%	0.0%	4.2%	2.0%	2.0%	2.0%	1.1%	1.1%	4.9%	4.8%	2.0%	2.0%	1.9%
10-'20	0.8%	0.8%	3.8%	3.9%	1.8%	1.8%	1.7%	0.8%	0.8%	0.0%	3.2%	1.8%	1.8%	1.7%	0.8%	0.8%	3.8%	3.7%	1.8%	1.8%	1.7%
20-'30	1.1%	1.1%	3.2%	2.9%	1.2%	1.2%	1.2%	1.1%	1.1%	0.0%	2.5%	1.2%	1.2%	1.2%	1.1%	1.1%	3.2%	2.7%	1.2%	1.2%	1.2%
07-'30	1.0%	-0.1%	4.0%	3.9%	1.6%	1.6%	1.5%	1.0%	-0.2%	0.0%	3.3%	1.6%	1.6%	1.5%	1.0%	-0.1%	4.0%	3.7%	1.6%	1.6%	1.5%



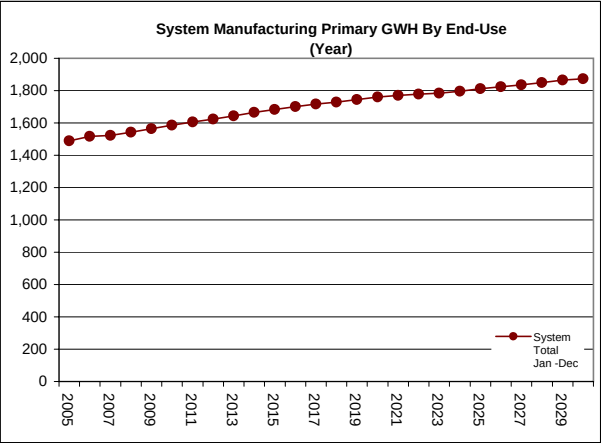
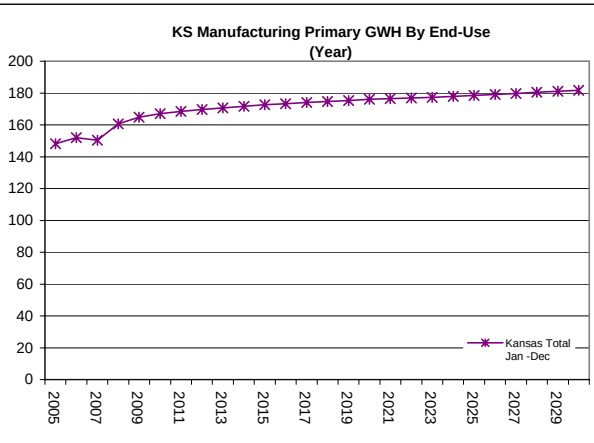
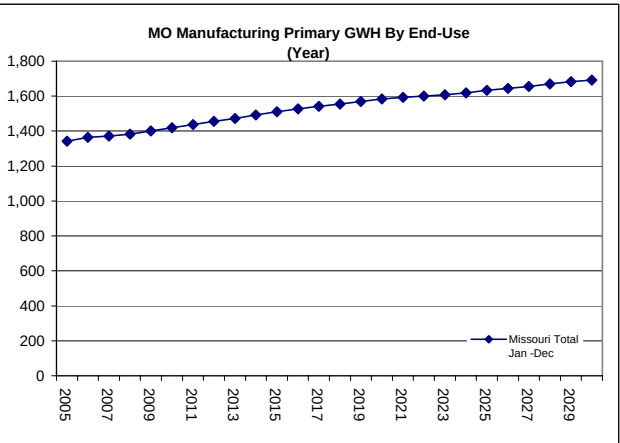
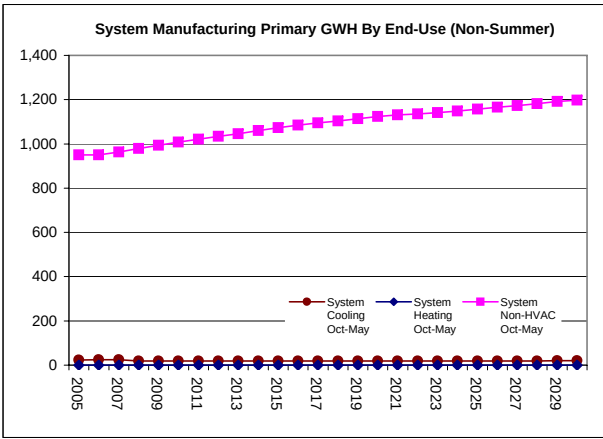
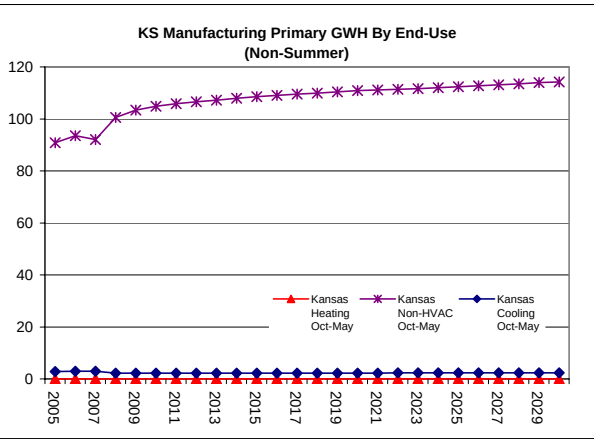
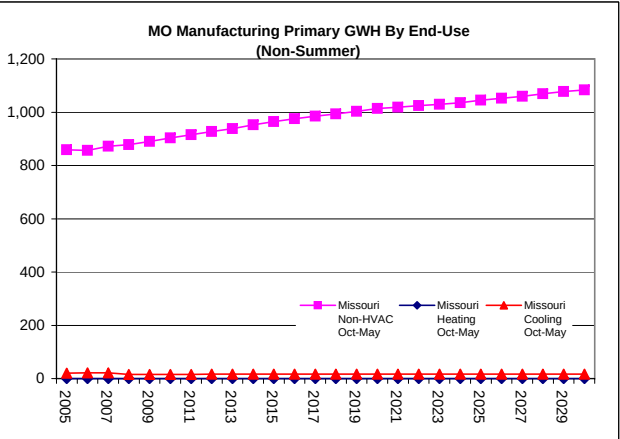
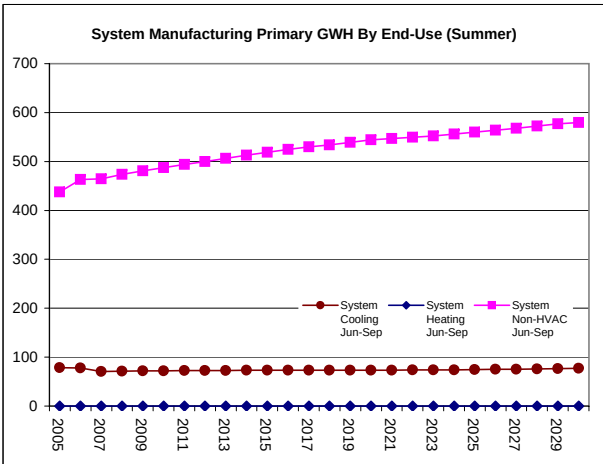
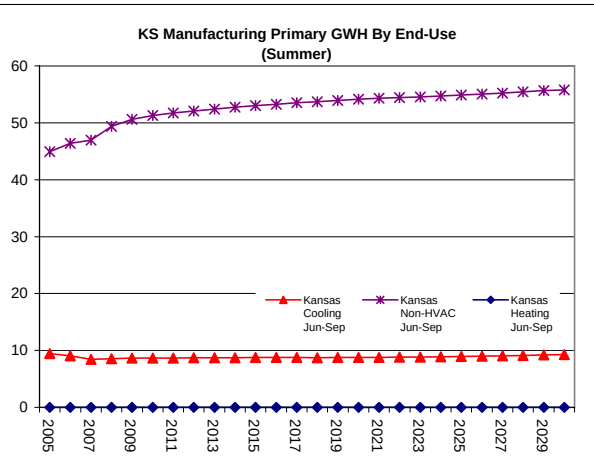
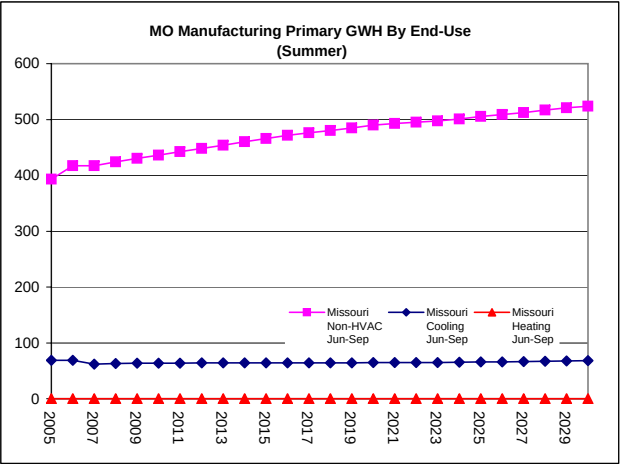
Plot H-36 Missouri & Kansas Total Commercial GWH By End-Use

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan-Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan-Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan-Dec
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec
2005	521.18	167.60	0.10	149.07	1,053.70	2,369.02	4,260.66	374.92	117.73	0.03	85.64	765.70	1,694.28	3,038.30	896.10	285.32	0.12	234.71	1,819.40	4,063.30	7,298.96
2006	563.39	157.41	0.03	124.54	1,063.21	2,408.79	4,317.37	401.82	111.70	0.03	72.36	762.64	1,729.03	3,077.58	965.21	269.11	0.06	196.90	1,825.85	4,137.83	7,394.95
2007	495.77	165.82	0.10	168.80	1,086.35	2,467.81	4,384.64	359.13	120.77	0.08	103.51	792.47	1,810.35	3,186.30	854.90	286.59	0.18	272.31	1,878.82	4,278.15	7,570.95
2008	509.12	131.68	0.14	187.47	1,114.64	2,518.43	4,461.48	369.37	94.71	0.08	112.75	811.55	1,843.39	3,231.85	878.49	226.39	0.22	300.22	1,926.19	4,361.82	7,693.33
2009	516.78	133.70	0.14	197.37	1,134.90	2,565.36	4,548.26	377.31	96.77	0.08	118.37	831.46	1,889.19	3,313.18	894.09	230.48	0.22	315.74	1,966.36	4,454.55	7,861.44
2010	518.66	134.25	0.14	206.26	1,154.49	2,609.92	4,623.72	381.49	97.84	0.08	123.55	851.98	1,935.76	3,390.71	900.15	232.09	0.22	329.81	2,006.47	4,545.68	8,014.43
2011	521.21	134.88	0.14	214.85	1,173.60	2,653.36	4,698.03	386.11	99.03	0.08	128.57	872.21	1,981.93	3,467.94	907.32	233.91	0.23	343.42	2,045.81	4,635.29	8,165.97
2012	525.89	136.10	0.15	223.64	1,193.74	2,698.64	4,778.15	391.98	100.55	0.09	133.69	892.46	2,027.99	3,546.76	917.88	236.65	0.23	357.32	2,086.20	4,726.63	8,324.91
2013	530.11	137.21	0.15	232.76	1,216.62	2,749.31	4,866.16	397.12	101.88	0.09	138.93	914.21	2,076.66	3,628.90	927.23	239.09	0.23	371.69	2,130.84	4,825.97	8,495.06
2014	534.87	138.44	0.15	242.54	1,240.93	2,804.42	4,961.35	402.85	103.34	0.09	144.53	937.34	2,129.28	3,717.42	937.71	241.78	0.24	387.07	2,178.27	4,933.70	8,678.77
2015	538.83	139.44	0.15	252.21	1,262.84	2,855.35	5,048.83	408.04	104.69	0.09	150.13	959.11	2,179.52	3,801.57	946.87	244.13	0.24	402.34	2,221.94	5,034.87	8,850.40
2016	540.87	140.02	0.19	261.25	1,282.06	2,899.09	5,123.47	412.18	105.76	0.09	155.59	979.66	2,226.23	3,879.52	953.05	245.78	0.28	416.85	2,261.72	5,125.31	9,002.99
2017	542.67	140.50	0.19	270.24	1,299.29	2,939.34	5,192.23	416.26	106.84	0.12	161.03	999.18	2,271.39	3,954.82	958.93	247.34	0.31	431.27	2,298.47	5,210.73	9,147.04
2018	543.50	140.69	0.19	278.70	1,314.70	2,974.43	5,252.21	419.48	107.63	0.13	166.25	1,017.07	2,312.29	4,022.84	962.98	248.32	0.32	444.94	2,331.77	5,286.72	9,275.04
2019	546.37	141.38	0.19	287.27	1,332.30	3,012.82	5,320.33	424.11	108.84	0.13	171.53	1,036.48	2,355.44	4,096.53	970.49	250.22	0.32	458.80	2,368.78	5,368.26	9,416.86
2020	549.18	142.10	0.19	295.70	1,349.95	3,053.96	5,391.09	428.54	109.94	0.13	176.58	1,055.74	2,400.14	4,171.08	977.71	252.05	0.32	472.28	2,405.69	5,454.11	9,562.17
2021	552.12	142.87	0.19	303.36	1,361.48	3,080.28	5,440.31	433.15	111.17	0.13	181.34	1,070.40	2,433.70	4,229.89	985.26	254.04	0.32	484.70	2,431.88	5,513.99	9,670.19
2022	554.30	143.49	0.20	310.62	1,370.53	3,102.28	5,481.41	437.34	112.21	0.13	185.95	1,083.45	2,464.42	4,283.49	991.64	255.70	0.33	496.57	2,453.98	5,566.69	9,764.91
2023	556.05	143.92	0.20	317.54	1,379.28	3,121.44	5,518.44	441.10	113.23	0.13	190.38	1,096.25	2,493.02	4,334.11	997.15	257.15	0.33	507.92	2,475.53	5,614.46	9,852.54
2024	560.12	145.06	0.20	325.21	1,391.58	3,147.77	5,569.93	446.72	114.68	0.13	195.34	1,111.86	2,527.35	4,396.09	1,006.84	259.74	0.33	520.55	2,503.44	5,675.12	9,966.02
2025	564.85	146.24	0.24	333.85	1,405.61	3,179.98	5,630.77	452.71	116.24	0.14	200.93	1,128.60	2,565.94	4,464.55	1,017.56	262.48	0.37	534.78	2,534.21	5,745.92	10,095.32
2026	568.58	147.23	0.24	342.01	1,418.09	3,208.69	5,684.84	457.97	117.60	0.14	206.18	1,144.10	2,601.47	4,527.46	1,026.54	264.83	0.37	548.19	2,562.19	5,810.16	10,212.30
2027	573.04	148.42	0.24	350.14	1,430.14	3,236.16	5,738.14	463.83	119.08	0.14	211.44	1,159.30	2,636.08	4,589.87	1,036.87	267.50	0.38	561.58	2,589.44	5,872.24	10,328.01
2028	578.38	149.81	0.24	358.65	1,443.46	3,265.74	5,796.28	470.18	120.71	0.14	217.03	1,175.25	2,672.00	4,655.31	1,048.56	270.51	0.38	575.68	2,618.71	5,937.74	10,451.58
2029	584.07	151.24	0.24	367.34	1,456.83	3,296.55	5,856.28	476.69	122.37	0.14	222.58	1,190.84	2,708.03	4,720.66	1,060.76	273.62	0.38	589.93	2,647.67	6,004.58	10,576.94
2030	588.43	152.35	0.24	375.63	1,466.36	3,318.29	5,901.31	482.07	123.81	0.14	227.88	1,203.07	2,736.03	4,773.01	1,070.50	276.16	0.38	603.51	2,669.44	6,054.32	10,674.32
05-'07	-2.5%	-0.5%	1.5%	6.4%	1.5%	2.1%	1.4%	-2.1%	1.3%	76.2%	9.9%	1.7%	3.4%	2.4%	-2.3%	0.2%	20.4%	7.7%	1.6%	2.6%	1.8%
08-'10	0.9%	1.0%	1.4%	4.9%	1.8%	1.8%	1.8%	1.6%	1.6%	1.9%	4.7%	2.5%	2.5%	2.4%	1.2%	1.3%	1.6%	4.8%	2.1%	2.1%	2.1%
10-'20	0.6%	0.6%	3.2%	3.7%	1.6%	1.6%	1.5%	1.2%	1.2%	4.5%	3.6%	2.2%	2.2%	2.1%	0.8%	0.8%	3.7%	3.7%	1.8%	1.8%	1.8%
20-'30	0.7%	0.7%	2.3%	2.4%	0.8%	0.8%	0.9%	1.2%	1.2%	1.0%	2.6%	1.3%	1.3%	1.4%	0.9%	0.9%	1.8%	2.5%	1.0%	1.0%	1.1%
07-'30	0.7%	-0.4%	3.8%	3.5%	1.3%	1.3%	1.3%	1.3%	0.1%	2.6%	3.5%	1.8%	1.8%	1.8%	1.0%	-0.2%	3.3%	3.5%	1.5%	1.5%	1.5%



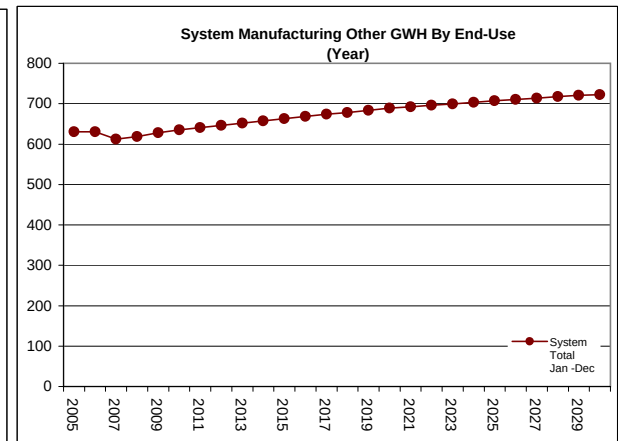
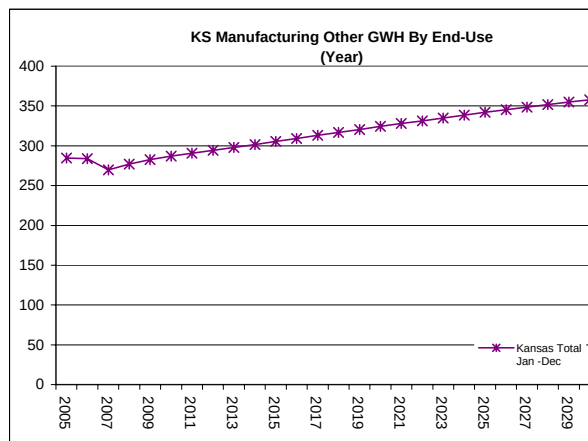
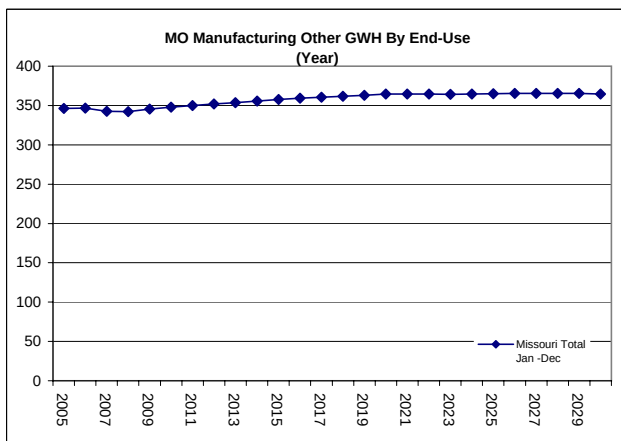
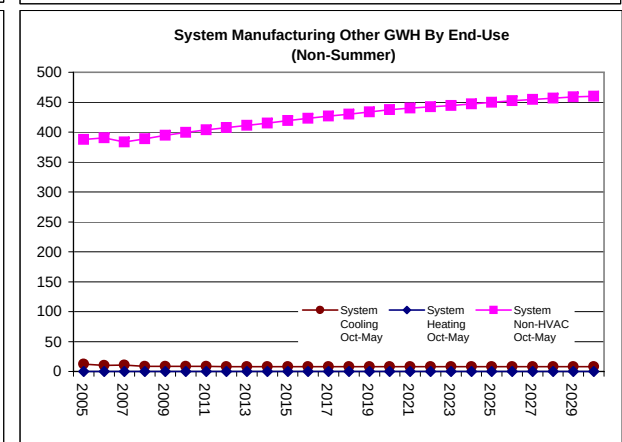
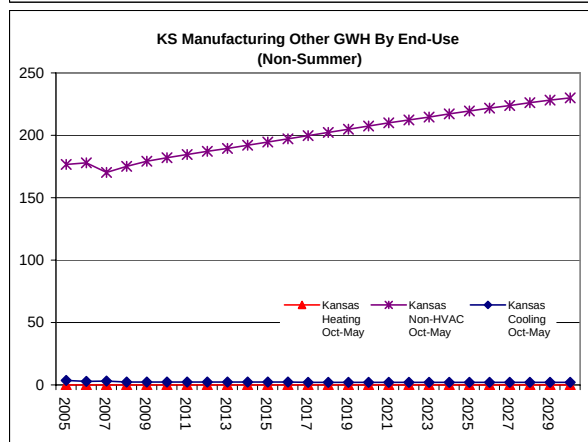
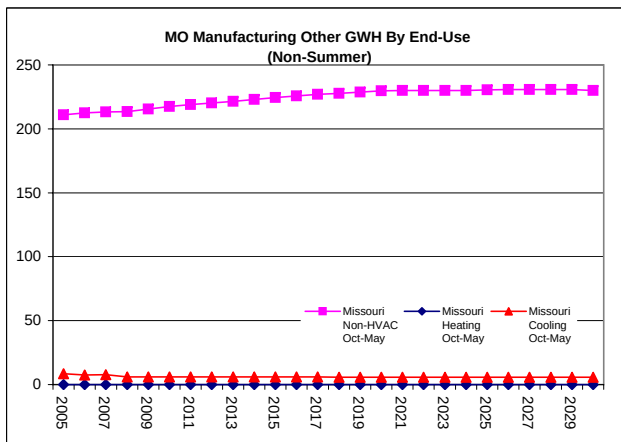
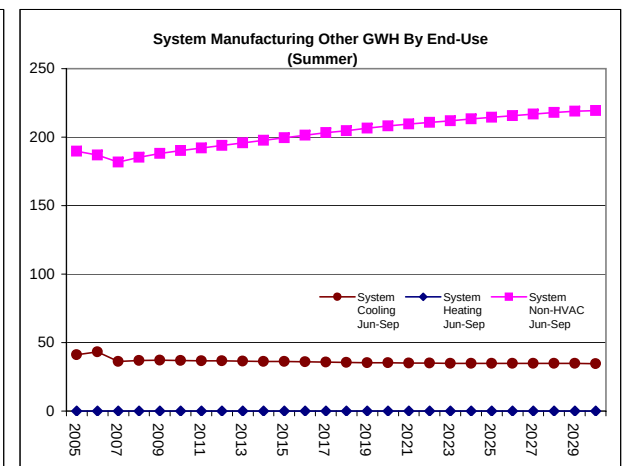
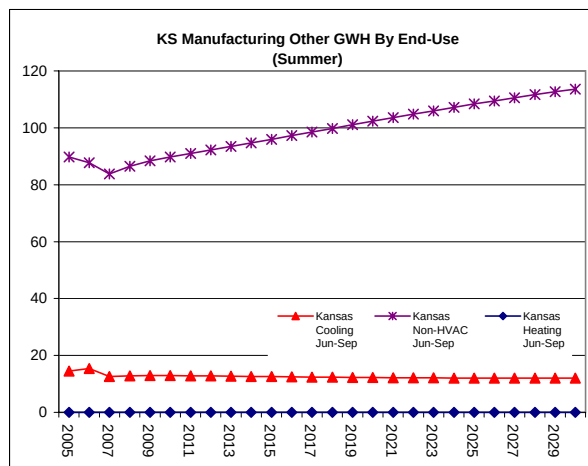
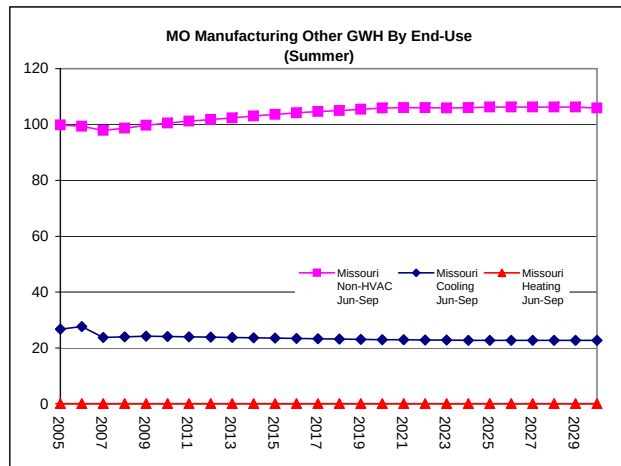
Plot H-37 Missouri & Kansas Manufacturing Primary GWH By End-Use

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan -Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan -Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan -Dec
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	68.85	20.25	0.00	0.00	392.88	859.34	1,341.32	9.47	2.88	0.00	0.00	44.92	90.82	148.09	78.32	23.13	0.00	0.00	437.80	950.16	1,489.41
2006	69.03	21.21	0.00	0.00	417.04	856.76	1,364.03	9.08	2.90	0.00	0.00	46.37	93.52	151.87	78.10	24.11	0.00	0.00	463.41	950.28	1,515.90
2007	61.99	21.53	0.00	0.00	417.24	871.60	1,372.36	8.45	2.96	0.00	0.00	46.95	92.09	150.45	70.43	24.49	0.00	0.00	464.19	963.70	1,522.81
2008	62.86	15.99	0.00	0.00	424.28	878.63	1,381.75	8.54	2.21	0.00	0.00	49.35	100.60	160.70	71.40	18.19	0.00	0.00	473.63	979.24	1,542.45
2009	63.52	16.15	0.00	0.00	430.18	890.29	1,400.14	8.63	2.23	0.00	0.00	50.59	103.34	164.78	72.15	18.38	0.00	0.00	480.77	993.63	1,564.92
2010	63.56	16.16	0.00	0.00	436.36	903.10	1,419.19	8.64	2.23	0.00	0.00	51.29	104.89	167.06	72.20	18.39	0.00	0.00	487.65	1,008.00	1,586.24
2011	63.69	16.20	0.00	0.00	442.38	915.43	1,437.70	8.66	2.24	0.00	0.00	51.76	105.89	168.54	72.35	18.43	0.00	0.00	494.13	1,021.33	1,606.24
2012	63.96	16.27	0.00	0.00	447.86	926.85	1,454.94	8.69	2.24	0.00	0.00	52.10	106.62	169.65	72.65	18.51	0.00	0.00	499.96	1,033.46	1,624.58
2013	64.07	16.29	0.00	0.00	453.73	938.62	1,472.71	8.71	2.25	0.00	0.00	52.41	107.25	170.62	72.78	18.54	0.00	0.00	506.14	1,045.87	1,643.33
2014	64.29	16.35	0.00	0.00	460.31	952.16	1,493.11	8.74	2.26	0.00	0.00	52.74	107.93	171.66	73.03	18.60	0.00	0.00	513.05	1,060.09	1,664.77
2015	64.43	16.39	0.00	0.00	466.08	964.30	1,511.20	8.76	2.26	0.00	0.00	53.02	108.53	172.57	73.19	18.65	0.00	0.00	519.11	1,072.83	1,683.77
2016	64.42	16.38	0.00	0.00	471.36	975.02	1,527.18	8.75	2.26	0.00	0.00	53.28	109.04	173.33	73.17	18.65	0.00	0.00	524.63	1,084.07	1,700.52
2017	64.43	16.39	0.00	0.00	476.17	985.23	1,542.21	8.76	2.26	0.00	0.00	53.51	109.54	174.06	73.18	18.65	0.00	0.00	529.67	1,094.76	1,716.27
2018	64.28	16.36	0.00	0.00	480.03	993.35	1,554.03	8.74	2.26	0.00	0.00	53.69	109.92	174.61	73.02	18.61	0.00	0.00	533.73	1,103.28	1,728.63
2019	64.43	16.39	0.00	0.00	485.02	1,003.06	1,568.89	8.76	2.26	0.00	0.00	53.93	110.39	175.34	73.18	18.65	0.00	0.00	538.95	1,113.45	1,744.22
2020	64.54	16.42	0.00	0.00	489.82	1,013.39	1,584.16	8.77	2.27	0.00	0.00	54.16	110.88	176.08	73.31	18.69	0.00	0.00	543.98	1,124.27	1,760.24
2021	64.71	16.46	0.00	0.00	492.73	1,019.21	1,593.11	8.79	2.27	0.00	0.00	54.30	111.16	176.52	73.51	18.73	0.00	0.00	547.02	1,130.37	1,769.63
2022	64.84	16.50	0.00	0.00	495.03	1,024.33	1,600.70	8.81	2.28	0.00	0.00	54.41	111.41	176.90	73.65	18.78	0.00	0.00	549.43	1,135.74	1,777.60
2023	64.94	16.52	0.00	0.00	497.37	1,028.92	1,607.74	8.83	2.28	0.00	0.00	54.52	111.63	177.25	73.76	18.80	0.00	0.00	551.89	1,140.54	1,784.99
2024	65.31	16.61	0.00	0.00	501.08	1,035.97	1,618.97	8.88	2.29	0.00	0.00	54.70	111.96	177.83	74.19	18.90	0.00	0.00	555.77	1,147.93	1,796.80
2025	65.76	16.73	0.00	0.00	505.34	1,045.05	1,632.88	8.94	2.31	0.00	0.00	54.90	112.40	178.54	74.70	19.04	0.00	0.00	560.25	1,157.44	1,811.42
2026	66.10	16.81	0.00	0.00	509.09	1,052.67	1,644.67	8.98	2.32	0.00	0.00	55.08	112.76	179.14	75.08	19.13	0.00	0.00	564.16	1,165.43	1,823.81
2027	66.51	16.92	0.00	0.00	512.56	1,060.03	1,656.01	9.04	2.34	0.00	0.00	55.25	113.11	179.73	75.54	19.26	0.00	0.00	567.80	1,173.14	1,835.74
2028	67.06	17.06	0.00	0.00	516.85	1,068.54	1,669.51	9.11	2.36	0.00	0.00	55.45	113.52	180.43	76.18	19.41	0.00	0.00	572.30	1,182.05	1,849.94
2029	67.66	17.21	0.00	0.00	521.16	1,077.44	1,683.48	9.20	2.38	0.00	0.00	55.66	113.94	181.17	76.85	19.59	0.00	0.00	576.82	1,191.38	1,864.64
2030	68.07	17.32	0.00	0.00	523.88	1,083.15	1,692.42	9.25	2.39	0.00	0.00	55.79	114.21	181.64	77.32	19.71	0.00	0.00	579.67	1,197.36	1,874.06
05-'07	-5.1%	3.1%	0.0%	0.0%	3.1%	0.7%	1.2%	-5.6%	1.4%	0.0%	0.0%	2.2%	0.7%	0.8%	-5.2%	2.9%	0.0%	0.0%	3.0%	0.7%	1.1%
08-'10	0.6%	0.5%	0.0%	0.0%	1.4%	1.4%	1.3%	0.6%	0.5%	0.0%	0.0%	1.9%	2.1%	2.0%	0.6%	0.5%	0.0%	0.0%	1.5%	1.5%	1.4%
10-'20	0.2%	0.2%	0.0%	0.0%	1.2%	1.2%	1.1%	0.2%	0.2%	0.0%	0.0%	0.5%	0.6%	0.5%	0.2%	0.2%	0.0%	0.0%	1.1%	1.1%	1.0%
20-'30	0.5%	0.5%	0.0%	0.0%	0.7%	0.7%	0.7%	0.5%	0.5%	0.0%	0.0%	0.3%	0.3%	0.3%	0.5%	0.5%	0.0%	0.0%	0.6%	0.6%	0.6%
07-'30	0.4%	-0.9%	0.0%	0.0%	1.0%	0.9%	0.9%	0.4%	-0.9%	0.0%	0.0%	0.8%	0.9%	0.8%	0.4%	-0.9%	0.0%	0.0%	1.0%	0.9%	0.9%



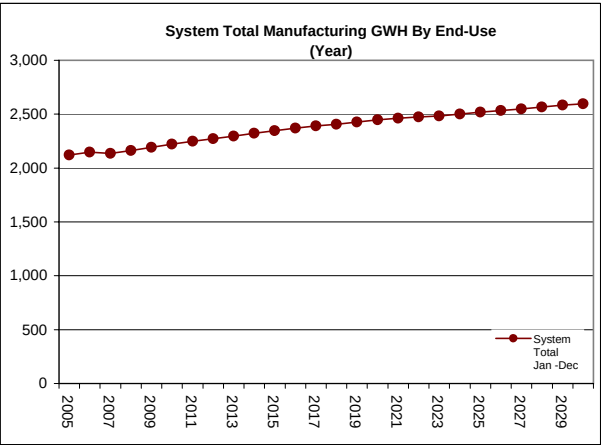
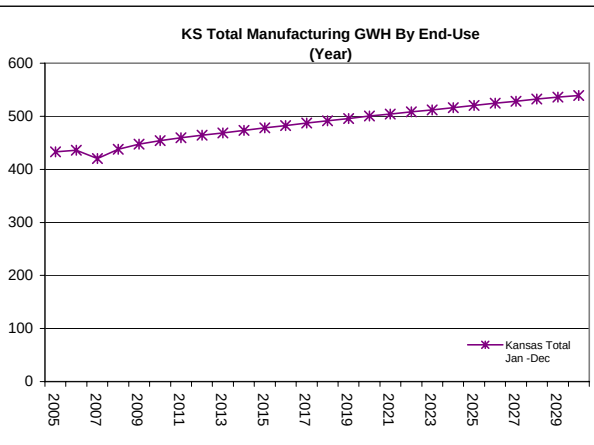
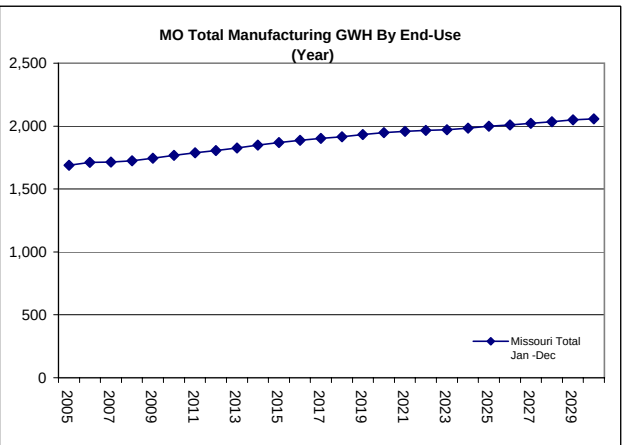
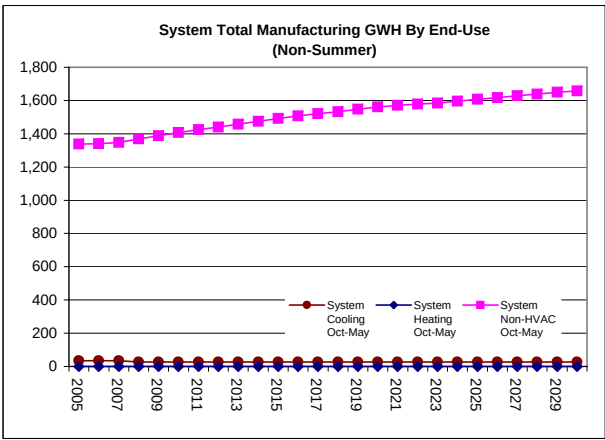
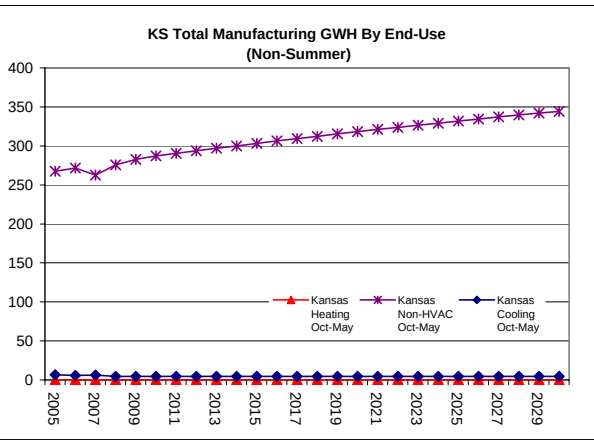
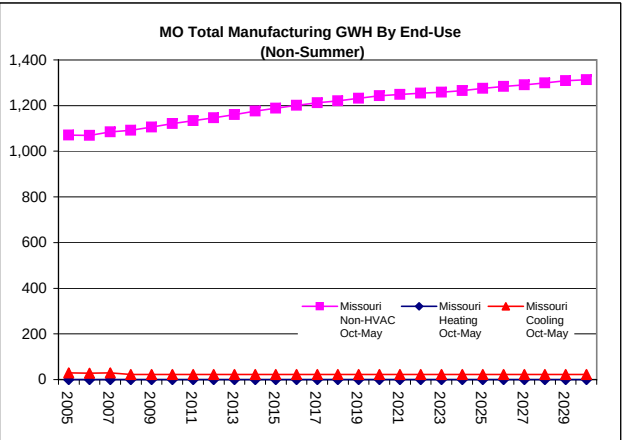
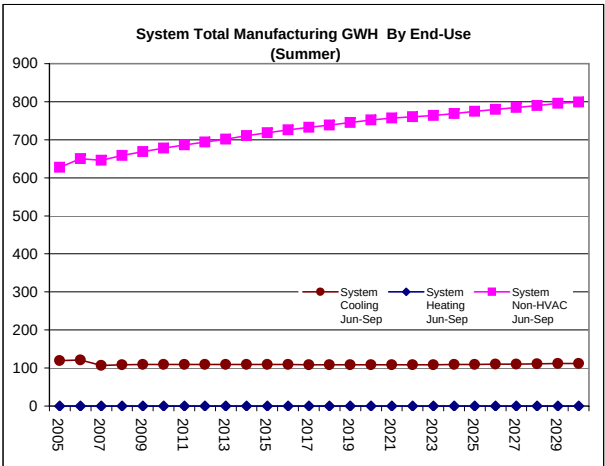
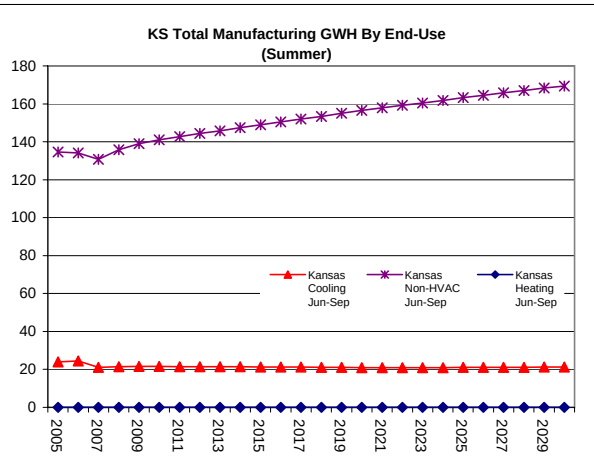
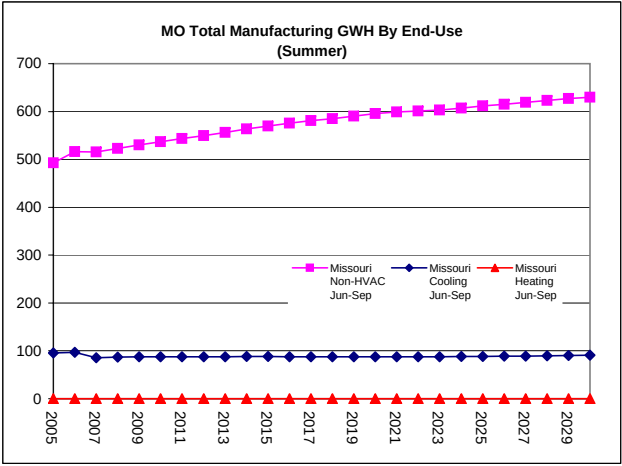
Plot H-38 Missouri & Kansas Manufacturing Other GWH By End-Use

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan-Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan-Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan-Dec
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec
2005	26.69	8.53	0.00	0.00	99.86	211.08	346.16	14.49	3.65	0.00	0.00	89.76	176.68	284.58	41.19	12.18	0.00	0.00	189.62	387.76	630.74
2006	27.66	7.49	0.00	0.00	99.31	212.34	346.81	15.46	2.84	0.00	0.00	87.68	178.02	284.01	43.12	10.34	0.00	0.00	186.99	390.36	630.82
2007	23.71	7.84	0.00	0.00	97.92	213.31	342.79	12.57	3.08	0.00	0.00	83.74	170.30	269.69	36.29	10.92	0.00	0.00	181.66	383.61	612.48
2008	23.99	6.08	0.00	0.00	98.71	213.34	342.12	12.87	2.25	0.00	0.00	86.50	175.26	276.88	36.86	8.33	0.00	0.00	185.21	388.60	619.00
2009	24.15	6.12	0.00	0.00	99.68	215.50	345.45	12.98	2.27	0.00	0.00	88.35	179.21	282.81	37.14	8.39	0.00	0.00	188.03	394.71	628.26
2010	24.03	6.09	0.00	0.00	100.51	217.40	348.03	12.90	2.26	0.00	0.00	89.75	182.15	287.06	36.93	8.35	0.00	0.00	190.26	399.54	635.08
2011	23.91	6.06	0.00	0.00	101.16	218.91	350.05	12.82	2.24	0.00	0.00	91.00	184.69	290.75	36.73	8.31	0.00	0.00	192.16	403.60	640.80
2012	23.86	6.05	0.00	0.00	101.73	220.19	351.82	12.77	2.24	0.00	0.00	92.23	187.19	294.43	36.63	8.28	0.00	0.00	193.95	407.38	646.25
2013	23.74	6.02	0.00	0.00	102.33	221.51	353.60	12.69	2.22	0.00	0.00	93.42	189.61	297.94	36.43	8.24	0.00	0.00	195.75	411.12	651.54
2014	23.64	5.99	0.00	0.00	103.02	223.08	355.74	12.64	2.21	0.00	0.00	94.70	192.15	301.70	36.28	8.21	0.00	0.00	197.72	415.23	657.44
2015	23.54	5.97	0.00	0.00	103.62	224.50	357.63	12.57	2.20	0.00	0.00	95.95	194.70	305.43	36.12	8.17	0.00	0.00	199.57	419.20	663.06
2016	23.41	5.93	0.00	0.00	104.17	225.72	359.23	12.50	2.19	0.00	0.00	97.25	197.27	309.20	35.90	8.12	0.00	0.00	201.42	422.99	668.43
2017	23.28	5.90	0.00	0.00	104.66	226.87	360.72	12.42	2.18	0.00	0.00	98.55	199.83	312.98	35.71	8.08	0.00	0.00	203.20	426.70	673.70
2018	23.13	5.86	0.00	0.00	105.01	227.69	361.69	12.32	2.16	0.00	0.00	99.71	202.39	316.59	35.45	8.02	0.00	0.00	204.72	430.08	678.28
2019	23.05	5.84	0.00	0.00	105.49	228.70	363.08	12.28	2.15	0.00	0.00	101.06	204.92	320.42	35.34	8.00	0.00	0.00	206.55	433.62	683.50
2020	22.96	5.82	0.00	0.00	105.94	229.80	364.52	12.23	2.14	0.00	0.00	102.34	207.51	324.23	35.20	7.97	0.00	0.00	208.28	437.31	688.76
2021	22.91	5.81	0.00	0.00	106.02	229.98	364.71	12.19	2.14	0.00	0.00	103.56	209.96	327.85	35.10	7.94	0.00	0.00	209.58	439.94	692.56
2022	22.84	5.79	0.00	0.00	105.99	229.98	364.60	12.15	2.13	0.00	0.00	104.76	212.36	331.40	34.99	7.92	0.00	0.00	210.75	442.34	696.00
2023	22.76	5.77	0.00	0.00	105.94	229.87	364.35	12.10	2.12	0.00	0.00	105.96	214.74	334.92	34.86	7.89	0.00	0.00	211.90	444.61	699.27
2024	22.75	5.77	0.00	0.00	106.05	230.04	364.60	12.08	2.12	0.00	0.00	107.16	217.15	338.51	34.83	7.89	0.00	0.00	213.20	447.19	703.11
2025	22.75	5.77	0.00	0.00	106.20	230.45	365.17	12.08	2.12	0.00	0.00	108.36	219.54	342.10	34.83	7.88	0.00	0.00	214.56	450.00	707.27
2026	22.71	5.76	0.00	0.00	106.26	230.63	365.36	12.05	2.11	0.00	0.00	109.47	221.79	345.41	34.76	7.87	0.00	0.00	215.72	452.42	710.77
2027	22.70	5.76	0.00	0.00	106.26	230.67	365.39	12.03	2.11	0.00	0.00	110.55	223.97	348.67	34.74	7.87	0.00	0.00	216.81	454.64	714.05
2028	22.71	5.76	0.00	0.00	106.28	230.76	365.51	12.03	2.11	0.00	0.00	111.63	226.12	351.89	34.74	7.87	0.00	0.00	217.91	456.88	717.40
2029	22.72	5.76	0.00	0.00	106.27	230.79	365.55	12.03	2.11	0.00	0.00	112.65	228.17	354.95	34.75	7.87	0.00	0.00	218.92	458.96	720.50
2030	22.67	5.75	0.00	0.00	105.93	230.10	364.45	12.00	2.10	0.00	0.00	113.55	230.00	357.66	34.67	7.86	0.00	0.00	219.48	460.10	722.11
05-'07	-5.7%	-4.1%	0.0%	0.0%	-1.0%	0.5%	-0.5%	-6.9%	-8.2%	0.0%	0.0%	-3.4%	-1.8%	-2.7%	-6.1%	-5.3%	0.0%	0.0%	-2.1%	-0.5%	-1.5%
08-'10	0.1%	0.1%	0.0%	0.0%	0.9%	0.9%	0.9%	0.1%	0.2%	0.0%	0.0%	1.9%	1.9%	1.8%	0.1%	0.1%	0.0%	0.0%	1.4%	1.4%	1.3%
10-'20	-0.5%	-0.4%	0.0%	0.0%	0.5%	0.6%	0.5%	-0.5%	-0.5%	0.0%	0.0%	1.3%	1.3%	1.2%	-0.5%	-0.5%	0.0%	0.0%	0.9%	0.9%	0.8%
20-'30	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	0.0%	1.0%	1.0%	1.0%	-0.2%	-0.1%	0.0%	0.0%	0.5%	0.5%	0.5%
07-'30	-0.2%	-1.3%	0.0%	0.0%	0.3%	0.3%	0.3%	-0.2%	-1.6%	0.0%	0.0%	1.3%	1.3%	1.2%	-0.2%	-1.4%	0.0%	0.0%	0.8%	0.8%	0.7%



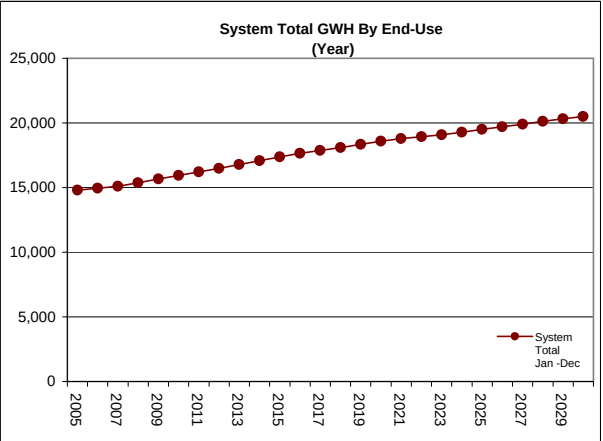
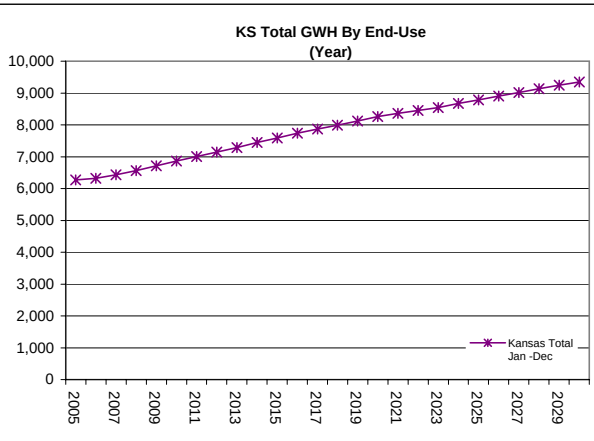
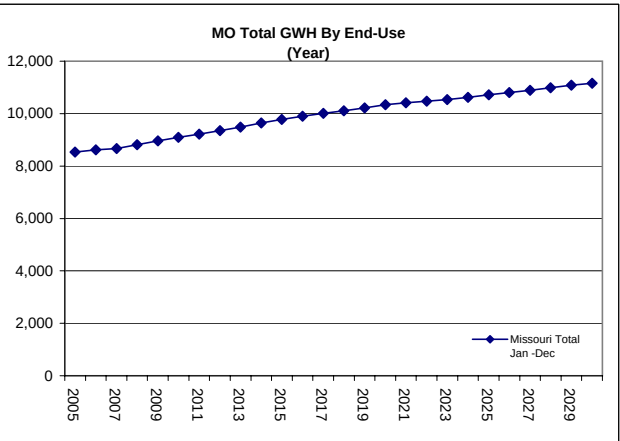
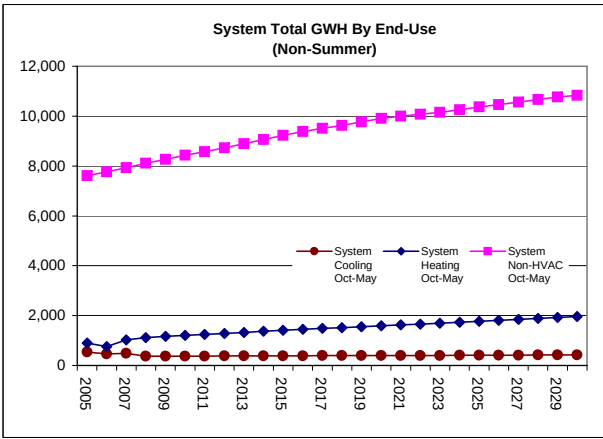
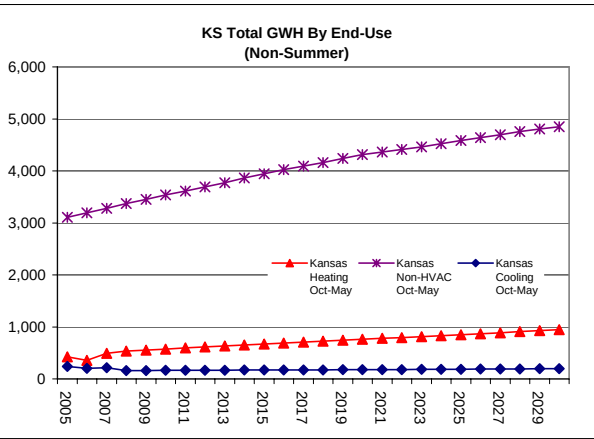
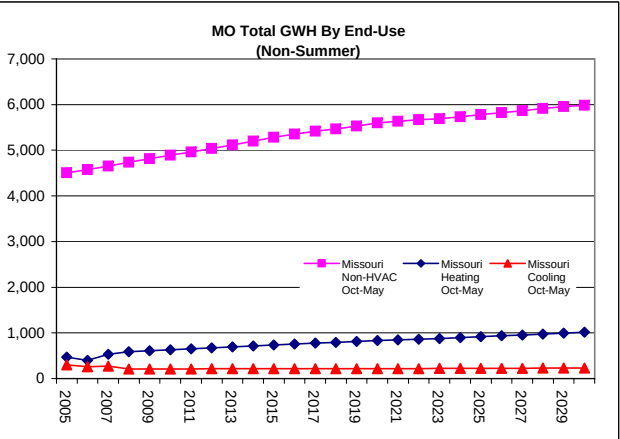
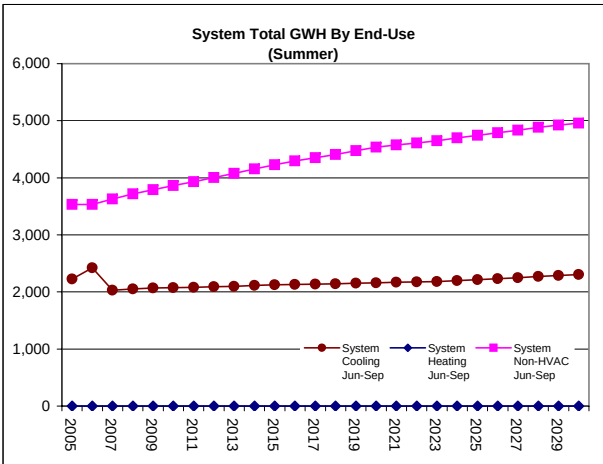
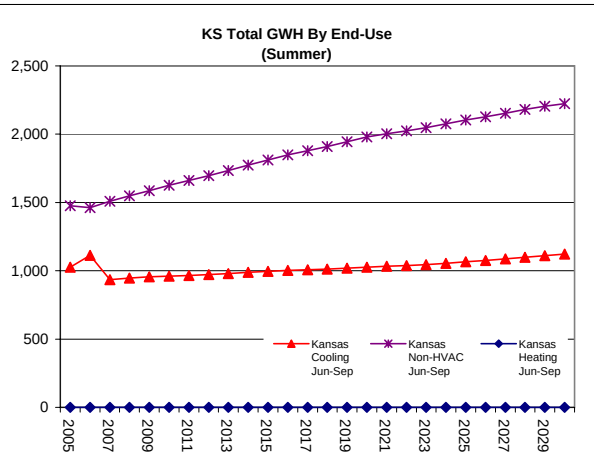
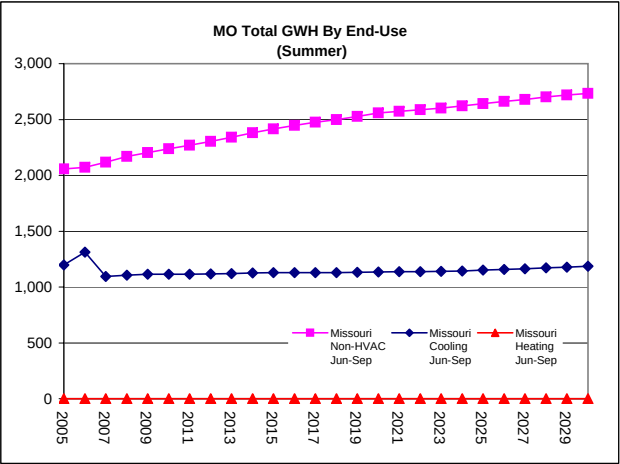
Plot H-39 Missouri & Kansas Total Manufacturing GWH By End-Use

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan-Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan-Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan-Dec
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan-Dec
2005	95.54	28.78	0.00	0.00	492.73	1,070.42	1,687.48	23.96	6.53	0.00	0.00	134.68	267.49	432.67	119.51	35.31	0.00	0.00	627.41	1,337.92	2,120.15
2006	96.69	28.70	0.00	0.00	516.35	1,069.10	1,710.84	24.54	5.75	0.00	0.00	134.05	271.54	435.88	121.23	34.45	0.00	0.00	650.41	1,340.64	2,146.72
2007	85.70	29.37	0.00	0.00	515.16	1,084.91	1,715.15	21.02	6.04	0.00	0.00	130.69	262.39	420.14	106.72	35.41	0.00	0.00	645.85	1,347.30	2,135.29
2008	86.85	22.06	0.00	0.00	522.99	1,091.98	1,723.87	21.41	4.46	0.00	0.00	135.85	275.86	437.58	108.26	26.52	0.00	0.00	658.84	1,367.84	2,161.45
2009	87.67	22.27	0.00	0.00	529.86	1,105.79	1,745.59	21.62	4.50	0.00	0.00	138.93	282.54	447.59	109.29	26.77	0.00	0.00	668.80	1,388.33	2,193.19
2010	87.59	22.25	0.00	0.00	536.87	1,120.50	1,767.21	21.54	4.49	0.00	0.00	141.04	287.04	454.11	109.13	26.74	0.00	0.00	677.91	1,407.54	2,221.32
2011	87.61	22.26	0.00	0.00	543.54	1,134.34	1,787.74	21.47	4.48	0.00	0.00	142.75	290.58	459.29	109.08	26.74	0.00	0.00	686.29	1,424.92	2,247.03
2012	87.82	22.31	0.00	0.00	549.59	1,147.04	1,806.76	21.46	4.48	0.00	0.00	144.32	293.81	464.08	109.28	26.79	0.00	0.00	693.91	1,440.84	2,270.83
2013	87.81	22.31	0.00	0.00	556.05	1,160.13	1,826.30	21.40	4.47	0.00	0.00	145.83	296.86	468.56	109.21	26.78	0.00	0.00	701.88	1,456.99	2,294.87
2014	87.93	22.34	0.00	0.00	563.33	1,175.24	1,848.84	21.37	4.47	0.00	0.00	147.44	300.08	473.36	109.31	26.81	0.00	0.00	710.77	1,475.32	2,322.21
2015	87.97	22.36	0.00	0.00	569.70	1,188.80	1,868.83	21.33	4.46	0.00	0.00	148.97	303.23	477.99	109.30	26.82	0.00	0.00	718.67	1,492.03	2,346.82
2016	87.83	22.32	0.00	0.00	575.52	1,200.74	1,886.41	21.25	4.45	0.00	0.00	150.53	306.31	482.54	109.08	26.77	0.00	0.00	726.05	1,507.06	2,368.95
2017	87.71	22.29	0.00	0.00	580.82	1,212.10	1,902.92	21.18	4.44	0.00	0.00	152.05	309.37	487.04	108.89	26.73	0.00	0.00	732.88	1,521.47	2,389.96
2018	87.41	22.22	0.00	0.00	585.04	1,221.05	1,915.72	21.06	4.42	0.00	0.00	153.40	312.31	491.19	108.47	26.63	0.00	0.00	738.44	1,533.36	2,406.91
2019	87.48	22.23	0.00	0.00	590.50	1,231.76	1,931.97	21.04	4.41	0.00	0.00	154.99	315.31	495.75	108.52	26.64	0.00	0.00	745.49	1,547.07	2,427.73
2020	87.50	22.24	0.00	0.00	595.76	1,243.18	1,948.69	21.00	4.41	0.00	0.00	156.50	318.40	500.31	108.50	26.65	0.00	0.00	752.26	1,561.58	2,449.00
2021	87.62	22.27	0.00	0.00	598.74	1,249.19	1,957.82	20.99	4.41	0.00	0.00	157.86	321.12	504.37	108.61	26.68	0.00	0.00	756.60	1,570.31	2,462.19
2022	87.68	22.29	0.00	0.00	601.01	1,254.32	1,965.30	20.96	4.41	0.00	0.00	159.17	323.76	508.30	108.65	26.70	0.00	0.00	760.18	1,578.08	2,473.60
2023	87.70	22.29	0.00	0.00	603.31	1,258.78	1,972.09	20.93	4.40	0.00	0.00	160.48	326.37	512.17	108.63	26.69	0.00	0.00	763.79	1,585.15	2,484.26
2024	88.06	22.38	0.00	0.00	607.12	1,266.01	1,983.57	20.96	4.41	0.00	0.00	161.85	329.11	516.33	109.02	26.79	0.00	0.00	768.98	1,595.12	2,499.91
2025	88.51	22.50	0.00	0.00	611.54	1,275.50	1,998.05	21.01	4.43	0.00	0.00	163.26	331.94	520.64	109.52	26.92	0.00	0.00	774.80	1,607.44	2,518.69
2026	88.81	22.57	0.00	0.00	615.34	1,283.30	2,010.02	21.03	4.43	0.00	0.00	164.55	334.55	524.55	109.84	27.00	0.00	0.00	779.89	1,617.84	2,534.58
2027	89.21	22.68	0.00	0.00	618.82	1,290.70	2,021.40	21.07	4.45	0.00	0.00	165.79	337.08	528.40	110.28	27.12	0.00	0.00	784.61	1,627.78	2,549.80
2028	89.77	22.82	0.00	0.00	623.14	1,299.29	2,035.02	21.15	4.46	0.00	0.00	167.08	339.64	532.32	110.92	27.28	0.00	0.00	790.21	1,638.93	2,567.35
2029	90.38	22.98	0.00	0.00	627.43	1,308.23	2,049.02	21.23	4.48	0.00	0.00	168.30	342.11	536.12	111.61	27.46	0.00	0.00	795.74	1,650.34	2,585.14
2030	90.75	23.07	0.00	0.00	629.81	1,313.24	2,056.87	21.25	4.49	0.00	0.00	169.34	344.22	539.30	111.99	27.56	0.00	0.00	799.15	1,657.46	2,596.17
05-'07	-5.3%	1.0%	0.0%	0.0%	2.3%	0.7%	0.8%	-6.3%	-3.8%	0.0%	0.0%	-1.5%	-1.0%	-1.5%	-5.5%	0.1%	0.0%	0.0%	1.5%	0.4%	0.4%
08-'10	0.4%	0.4%	0.0%	0.0%	1.3%	1.3%	1.2%	0.3%	0.4%	0.0%	0.0%	1.9%	2.0%	1.9%	0.4%	0.4%	0.0%	0.0%	1.4%	1.4%	1.4%
10-'20	0.0%	0.0%	0.0%	0.0%	1.0%	1.0%	1.0%	-0.3%	-0.2%	0.0%	0.0%	1.0%	1.0%	1.0%	-0.1%	0.0%	0.0%	0.0%	1.0%	1.0%	1.0%
20-'30	0.4%	0.4%	0.0%	0.0%	0.6%	0.5%	0.5%	0.1%	0.2%	0.0%	0.0%	0.8%	0.8%	0.8%	0.3%	0.3%	0.0%	0.0%	0.6%	0.6%	0.6%
07-'30	0.2%	-1.0%	0.0%	0.0%	0.9%	0.8%	0.8%	0.0%	-1.3%	0.0%	0.0%	1.1%	1.2%	1.1%	0.2%	-1.1%	0.0%	0.0%	0.9%	0.9%	0.9%



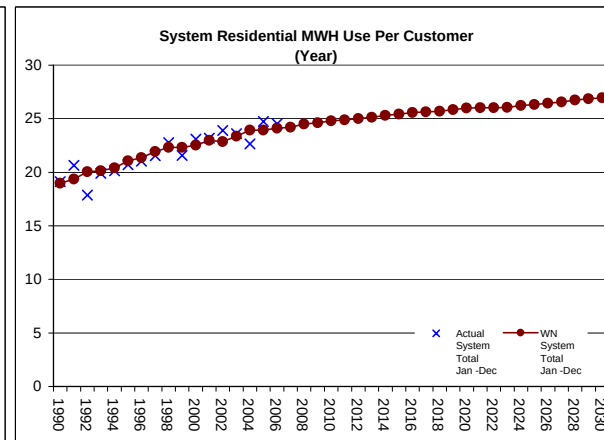
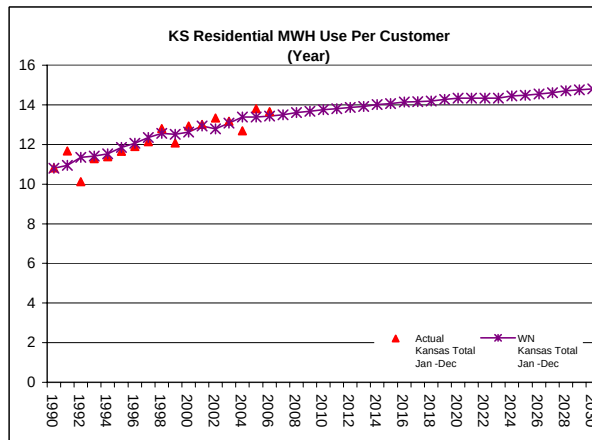
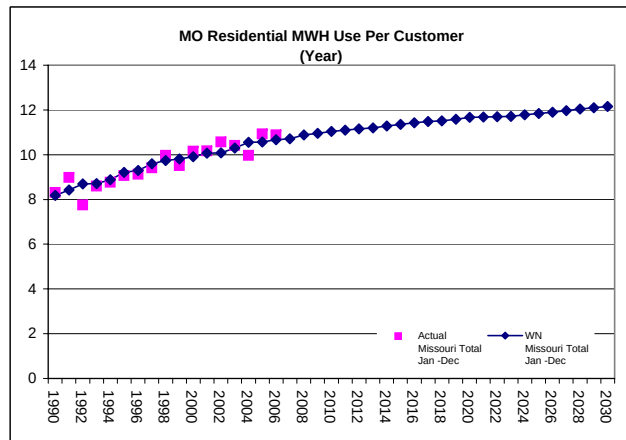
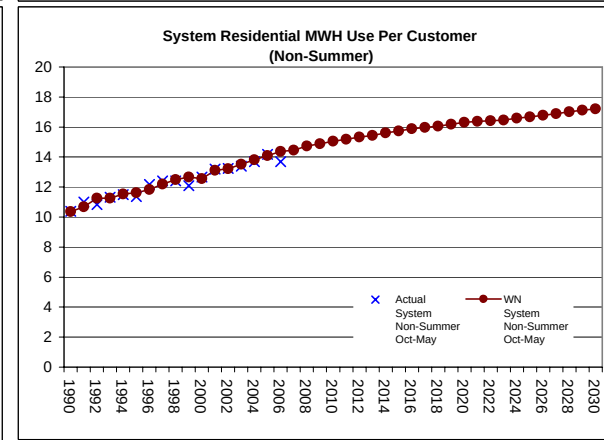
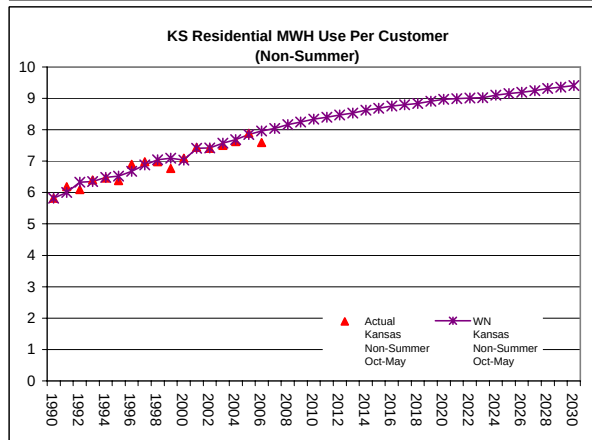
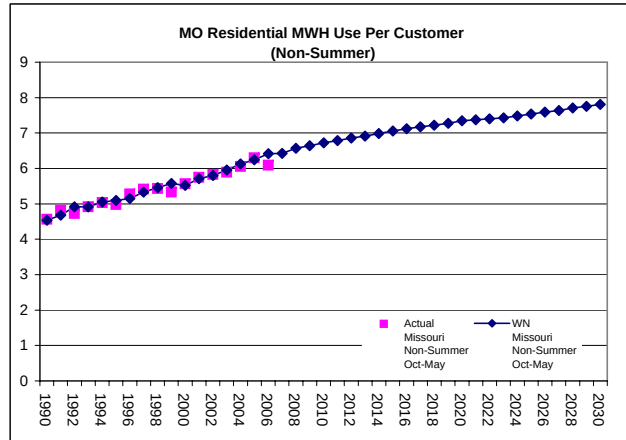
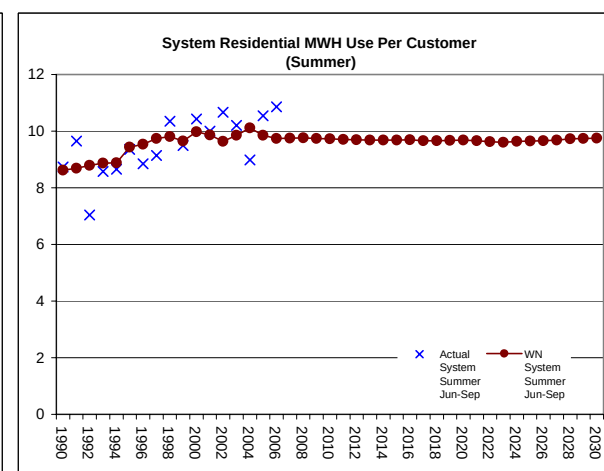
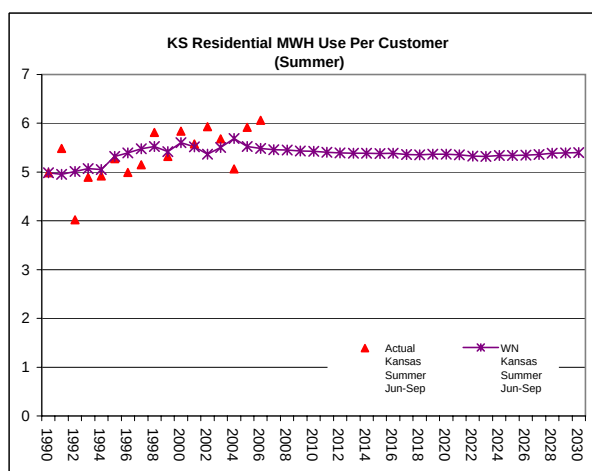
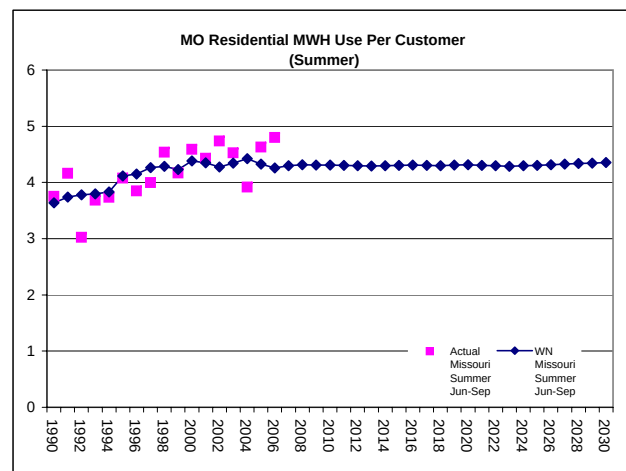
Plot H-40 Missouri & Kansas Total GWH By End-Use
For classes that have end-use sales

	Missouri Cooling	Missouri Cooling	Missouri Heating	Missouri Heating	Missouri Non-HVAC	Missouri Non-HVAC	Missouri Total	Kansas Cooling	Kansas Cooling	Kansas Heating	Kansas Heating	Kansas Non-HVAC	Kansas Non-HVAC	Kansas Total	System Cooling	System Cooling	System Heating	System Heating	System Non-HVAC	System Non-HVAC	System Total
Year	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	1,198.17	303.83	0.34	466.70	2,057.88	4,504.55	8,531.47	1,025.25	237.55	0.16	425.45	1,475.76	3,107.47	6,271.63	2,223.41	541.39	0.49	892.15	3,533.64	7,612.02	14,803.10
2006	1,310.94	261.20	0.03	401.54	2,071.88	4,578.00	8,623.59	1,112.56	204.65	0.08	355.08	1,461.03	3,192.14	6,325.54	2,423.50	465.85	0.12	756.62	3,532.91	7,770.13	14,949.13
2007	1,093.85	269.89	0.34	532.51	2,117.00	4,650.07	8,663.67	934.03	213.44	0.32	490.98	1,508.88	3,282.66	6,430.30	2,027.88	483.33	0.66	1,023.49	3,625.88	7,932.73	15,093.97
2008	1,107.20	210.45	0.38	587.84	2,168.92	4,739.59	8,814.38	945.97	160.65	0.33	532.74	1,549.70	3,369.27	6,558.67	2,053.18	371.10	0.71	1,120.58	3,718.62	8,108.87	15,373.06
2009	1,113.86	212.36	0.38	610.83	2,203.60	4,816.72	8,957.76	955.12	162.87	0.34	554.47	1,587.27	3,452.55	6,712.62	2,068.97	375.23	0.73	1,165.30	3,790.87	8,269.28	15,670.38
2010	1,113.45	212.74	0.39	631.69	2,238.69	4,893.25	9,090.20	960.46	164.07	0.36	574.90	1,625.41	3,536.10	6,861.30	2,073.91	376.81	0.74	1,206.59	3,864.10	8,429.36	15,951.50
2011	1,113.72	212.95	0.39	652.27	2,270.76	4,963.51	9,213.60	966.00	165.36	0.37	594.22	1,660.77	3,614.05	7,000.76	2,079.72	378.31	0.75	1,246.49	3,931.53	8,577.56	16,214.36
2012	1,116.57	214.08	0.39	672.41	2,304.37	5,037.87	9,345.69	972.54	166.96	0.38	612.99	1,696.94	3,693.68	7,143.48	2,089.10	381.03	0.77	1,285.40	4,001.31	8,731.55	16,489.16
2013	1,119.56	215.05	0.40	692.91	2,340.10	5,114.59	9,482.60	980.04	168.56	0.39	632.30	1,734.11	3,773.56	7,288.96	2,099.60	383.61	0.78	1,325.21	4,074.21	8,888.16	16,771.56
2014	1,124.73	216.40	0.40	715.53	2,379.91	5,201.47	9,638.45	988.40	170.31	0.40	653.28	1,773.86	3,861.81	7,448.05	2,113.13	386.71	0.80	1,368.81	4,153.77	9,063.28	17,086.50
2015	1,128.30	217.23	0.40	736.71	2,415.22	5,281.74	9,779.61	995.09	171.83	0.41	672.13	1,810.32	3,942.82	7,592.59	2,123.40	389.06	0.81	1,408.85	4,225.54	9,224.56	17,372.21
2016	1,129.49	218.03	0.44	756.70	2,447.80	5,352.76	9,905.23	1,001.81	173.18	0.41	691.11	1,847.69	4,023.87	7,738.08	2,131.30	391.21	0.85	1,447.82	4,295.49	9,376.63	17,643.31
2017	1,129.93	218.21	0.44	775.64	2,474.79	5,414.43	10,013.44	1,006.60	174.33	0.46	709.49	1,878.76	4,094.81	7,864.45	2,136.54	392.54	0.90	1,485.13	4,353.55	9,509.24	17,877.89
2018	1,129.43	218.05	0.45	793.56	2,498.88	5,468.46	10,108.83	1,011.82	175.35	0.46	725.95	1,910.08	4,162.02	7,985.69	2,141.26	393.40	0.91	1,519.50	4,408.97	9,630.48	18,094.52
2019	1,132.31	218.71	0.45	811.87	2,528.43	5,529.82	10,221.58	1,019.91	176.94	0.47	745.46	1,944.92	4,237.86	8,125.57	2,152.21	395.65	0.92	1,557.33	4,473.35	9,767.68	18,347.15
2020	1,134.76	219.66	0.45	830.84	2,558.34	5,597.45	10,341.51	1,025.88	178.22	0.48	762.62	1,978.84	4,313.08	8,259.12	2,160.64	397.88	0.93	1,593.47	4,537.18	9,910.52	18,600.63
2021	1,136.95	220.39	0.45	847.87	2,574.44	5,633.56	10,413.66	1,032.84	179.72	0.49	779.38	2,002.97	4,365.94	8,361.34	2,169.79	400.11	0.94	1,627.25	4,577.41	9,999.50	18,775.00
2022	1,138.07	220.68	0.45	864.02	2,587.83	5,665.38	10,476.43	1,037.62	180.81	0.50	795.18	2,024.01	4,414.84	8,452.96	2,175.69	401.49	0.95	1,659.20	4,611.83	10,080.22	18,929.39
2023	1,139.05	221.26	0.46	878.89	2,600.49	5,691.95	10,532.09	1,043.97	182.14	0.51	809.97	2,046.88	4,461.86	8,545.33	2,183.03	403.40	0.96	1,688.86	4,647.37	10,153.81	19,077.42
2024	1,144.07	222.61	0.46	896.43	2,621.10	5,734.74	10,619.41	1,054.49	184.14	0.52	830.01	2,076.52	4,526.02	8,671.70	2,198.56	406.75	0.98	1,726.44	4,697.62	10,260.76	19,291.11
2025	1,151.10	224.03	0.50	917.00	2,642.46	5,782.43	10,717.52	1,064.91	186.20	0.53	849.34	2,102.93	4,584.57	8,788.48	2,216.02	410.23	1.02	1,766.35	4,745.39	10,367.00	19,506.01
2026	1,156.33	225.20	0.50	936.21	2,661.74	5,824.62	10,804.59	1,074.47	188.05	0.54	868.49	2,128.32	4,641.09	8,900.96	2,230.80	413.25	1.04	1,804.70	4,790.07	10,465.71	19,705.55
2027	1,162.77	226.59	0.50	955.26	2,679.85	5,865.59	10,890.55	1,086.77	190.26	0.55	887.71	2,153.41	4,695.68	9,014.38	2,249.54	416.85	1.05	1,842.96	4,833.26	10,561.27	19,904.92
2028	1,171.03	228.19	0.50	975.72	2,701.35	5,911.88	10,988.66	1,099.45	192.60	0.56	908.53	2,180.95	4,755.67	9,137.76	2,270.47	420.79	1.06	1,884.24	4,882.30	10,667.55	20,126.42
2029	1,178.92	230.14	0.50	996.16	2,720.55	5,955.36	11,081.63	1,111.29	194.87	0.57	928.68	2,203.61	4,806.89	9,245.91	2,290.21	425.01	1.07	1,924.84	4,924.16	10,762.24	20,327.54
2030	1,185.49	231.43	0.77	1,016.22	2,734.79	5,986.34	11,155.03	1,121.88	196.90	0.58	948.04	2,223.94	4,851.36	9,342.69	2,307.37	428.33	1.34	1,964.25	4,958.73	10,837.69	20,497.72
05-'07	-4.5%	-5.8%	0.9%	6.8%	1.4%	1.6%	0.8%	-4.6%	-5.2%	43.3%	7.4%	1.1%	2.8%	1.3%	-4.5%	-5.5%	16.1%	7.1%	1.3%	2.1%	1.0%
08-'10	0.3%	0.5%	0.9%	3.7%	1.6%	1.6%	1.6%	0.8%	1.1%	3.6%	3.9%	2.4%	2.4%	2.3%	0.5%	0.8%	2.2%	3.8%	1.9%	2.0%	1.9%
10-'20	0.2%	0.3%	1.6%	2.8%	1.3%	1.4%	1.3%	0.7%	0.8%	3.1%	2.9%	2.0%	2.0%	1.9%	0.4%	0.5%	2.3%	2.8%	1.6%	1.6%	1.5%
20-'30	0.4%	0.5%	5.5%	2.0%	0.7%	0.7%	0.8%	0.9%	1.0%	1.8%	2.2%	1.2%	1.2%	1.2%	0.7%	0.7%	3.7%	2.1%	0.9%	0.9%	1.0%
07-'30	0.4%	-0.7%	3.6%	2.8%	1.1%	1.1%	1.1%	0.8%	-0.4%	2.6%	2.9%	1.7%	1.7%	1.6%	0.6%	-0.5%	3.1%	2.9%	1.4%	1.4%	1.3%



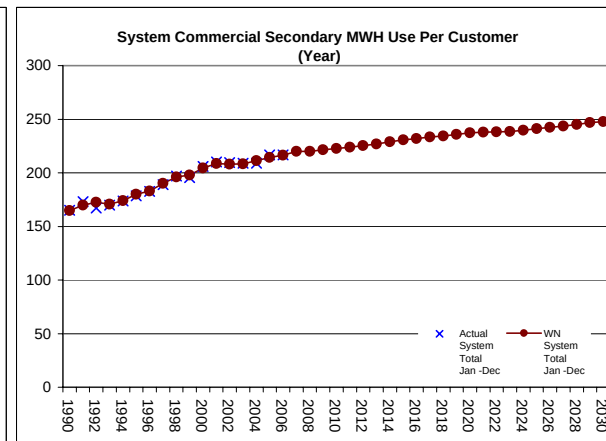
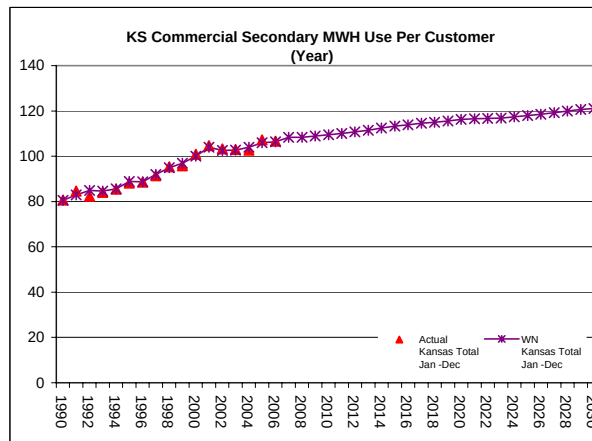
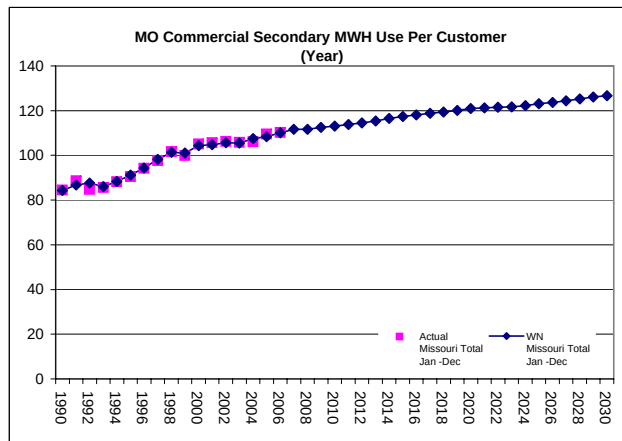
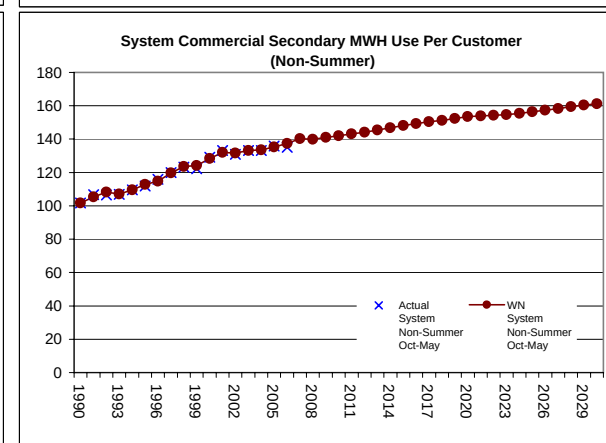
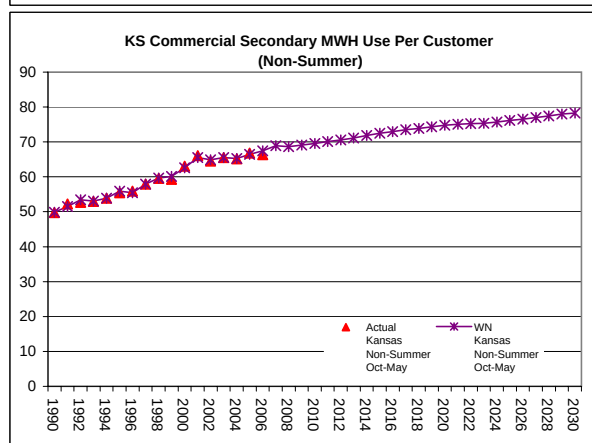
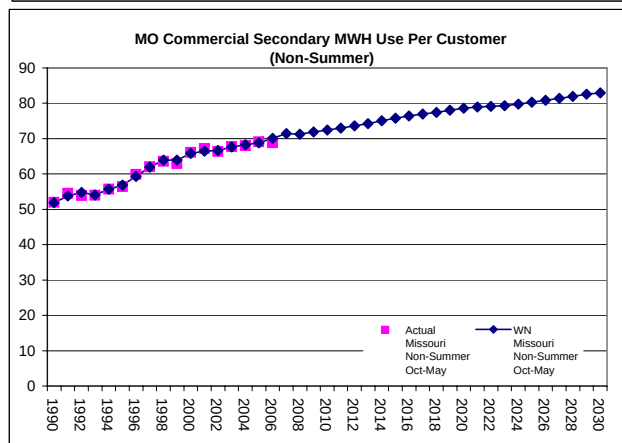
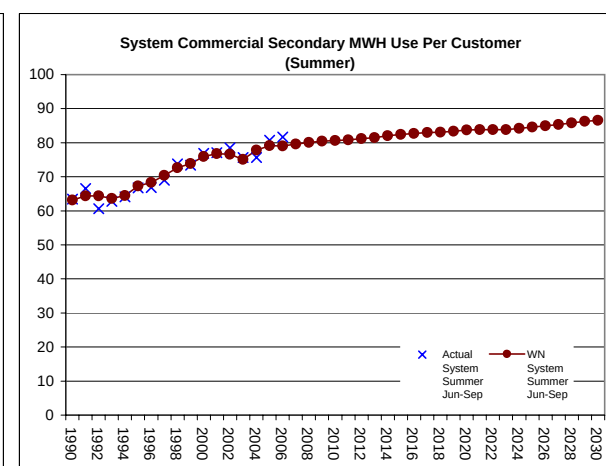
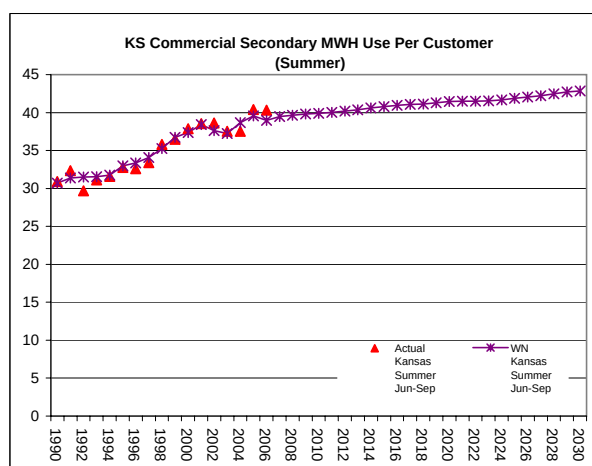
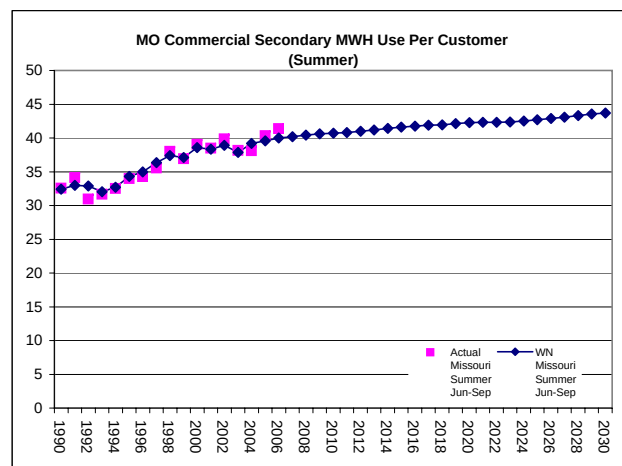
**Plot H-41 Missouri & Kansas Residential MWH Use Per Customer
(Actual vs. Weather Normalized)**

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	3.75	3.64	4.57	4.54	8.31	8.18	4.99	4.99	5.82	5.82	10.81	10.8	8.7	8.6	10.4	10.4	19.1	19.0
1991	4.16	3.74	4.82	4.68	8.98	8.42	5.48	4.95	6.18	6.00	11.67	11.0	9.6	8.7	11.0	10.7	20.6	19.4
1992	3.02	3.78	4.73	4.91	7.75	8.69	4.02	5.01	6.09	6.33	10.12	11.3	7.0	8.8	10.8	11.2	17.9	20.0
1993	3.68	3.80	4.91	4.91	8.60	8.71	4.89	5.07	6.40	6.35	11.29	11.4	8.6	8.9	11.3	11.3	19.9	20.1
1994	3.73	3.83	5.03	5.05	8.77	8.88	4.92	5.05	6.46	6.48	11.38	11.5	8.7	8.9	11.5	11.5	20.1	20.4
1995	4.08	4.12	4.98	5.09	9.06	9.21	5.28	5.32	6.39	6.53	11.66	11.8	9.4	9.4	11.4	11.6	20.7	21.1
1996	3.85	4.15	5.28	5.15	9.13	9.30	5.00	5.39	6.90	6.67	11.90	12.1	8.8	9.5	12.2	11.8	21.0	21.4
1997	4.00	4.26	5.41	5.33	9.41	9.59	5.15	5.48	6.99	6.88	12.14	12.4	9.1	9.7	12.4	12.2	21.5	21.9
1998	4.53	4.29	5.43	5.46	9.96	9.74	5.81	5.52	6.99	7.05	12.80	12.6	10.3	9.8	12.4	12.5	22.8	22.3
1999	4.17	4.23	5.33	5.57	9.50	9.80	5.32	5.42	6.76	7.09	12.08	12.5	9.5	9.7	12.1	12.7	21.6	22.3
2000	4.59	4.38	5.57	5.52	10.16	9.90	5.84	5.60	7.10	7.03	12.94	12.6	10.4	10.0	12.7	12.6	23.1	22.5
2001	4.43	4.35	5.75	5.71	10.17	10.06	5.57	5.52	7.45	7.41	13.02	12.9	10.0	9.9	13.2	13.1	23.2	23.0
2002	4.74	4.27	5.83	5.80	10.57	10.08	5.93	5.36	7.41	7.42	13.34	12.8	10.7	9.6	13.2	13.2	23.9	22.9
2003	4.53	4.35	5.89	5.95	10.42	10.30	5.68	5.51	7.50	7.57	13.18	13.1	10.2	9.9	13.4	13.5	23.6	23.4
2004	3.92	4.42	6.05	6.13	9.97	10.55	5.06	5.69	7.62	7.69	12.69	13.4	9.0	10.1	13.7	13.8	22.7	23.9
2005	4.63	4.33	6.29	6.24	10.92	10.57	5.92	5.53	7.89	7.85	13.81	13.4	10.5	9.9	14.2	14.1	24.7	23.9
2006	4.80	4.26	6.09	6.41	10.89	10.67	6.06	5.48	7.59	7.96	13.65	13.4	10.9	9.7	13.7	14.4	24.5	24.1
2007		4.30		6.42		10.72		5.46		8.04		13.5		9.8		14.5		24.2
2008		4.32		6.57		10.89		5.45		8.16		13.6		9.8		14.7		24.5
2009		4.31		6.64		10.95		5.43		8.25		13.7		9.7		14.9		24.6
2010		4.31		6.73		11.04		5.42		8.34		13.8		9.7		15.1		24.8
2011		4.30		6.79		11.09		5.41		8.40		13.8		9.7		15.2		24.9
2012		4.30		6.86		11.16		5.39		8.47		13.9		9.7		15.3		25.0
2013		4.29		6.91		11.20		5.39		8.54		13.9		9.7		15.4		25.1
2014		4.30		6.99		11.28		5.39		8.63		14.0		9.7		15.6		25.3
2015		4.30		7.06		11.36		5.38		8.68		14.1		9.7		15.7		25.4
2016		4.31		7.12		11.43		5.38		8.76		14.1		9.7		15.9		25.6
2017		4.30		7.17		11.48		5.36		8.80		14.2		9.7		16.0		25.6
2018		4.30		7.22		11.52		5.36		8.84		14.2		9.7		16.1		25.7
2019		4.31		7.28		11.58		5.36		8.91		14.3		9.7		16.2		25.9
2020		4.32		7.35		11.66		5.37		8.97		14.3		9.7		16.3		26.0
2021		4.31		7.37		11.68		5.35		8.99		14.3		9.7		16.4		26.0
2022		4.30		7.40		11.70		5.33		9.01		14.3		9.6		16.4		26.0
2023		4.29		7.43		11.71		5.32		9.03		14.3		9.6		16.5		26.1
2024		4.30		7.48		11.78		5.34		9.11		14.4		9.6		16.6		26.2
2025		4.31		7.53		11.84		5.34		9.15		14.5		9.6		16.7		26.3
2026		4.31		7.59		11.90		5.35		9.20		14.5		9.7		16.8		26.4
2027		4.32		7.64		11.96		5.36		9.25		14.6		9.7		16.9		26.6
2028		4.34		7.70		12.04		5.39		9.32		14.7		9.7		17.0		26.8
2029		4.35		7.75		12.10		5.39		9.36		14.8		9.7		17.1		26.8
2030		4.35		7.80		12.16		5.40		9.41		14.8		9.8		17.2		27.0
90-'06	1.6%	1.0%	1.8%	2.2%	1.7%	1.7%	1.2%	0.6%	1.7%	2.0%	1.5%	1.4%	1.4%	0.8%	1.7%	2.1%	1.6%	1.5%
07-'10		0.1%		1.6%		1.0%		-0.2%		1.2%		0.6%		-0.1%		1.4%		0.8%
10-'15		0.0%		1.0%		0.6%		-0.2%		0.8%		0.4%		-0.1%		0.9%		0.5%
15-'20		0.1%		0.8%		0.5%		0.0%		0.7%		0.4%		0.0%		0.7%		0.5%
20-'25		0.0%		0.5%		0.3%		-0.1%		0.4%		0.2%		-0.1%		0.4%		0.3%
25-'30		0.2%		0.7%		0.5%		0.2%		0.6%		0.4%		0.2%		0.6%		0.5%
07-'30		0.1%		0.9%		0.5%		0.0%		0.7%		0.4%		0.0%		0.8%		0.5%



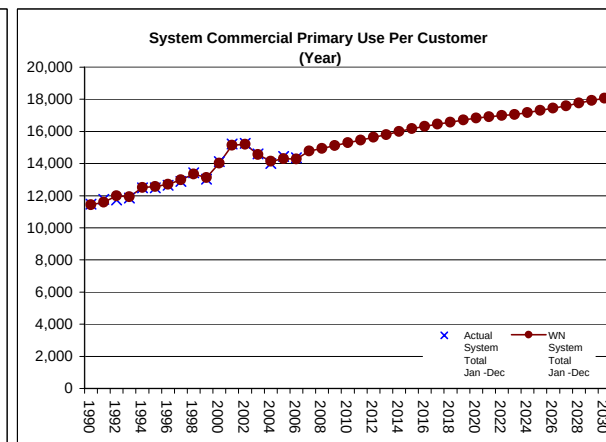
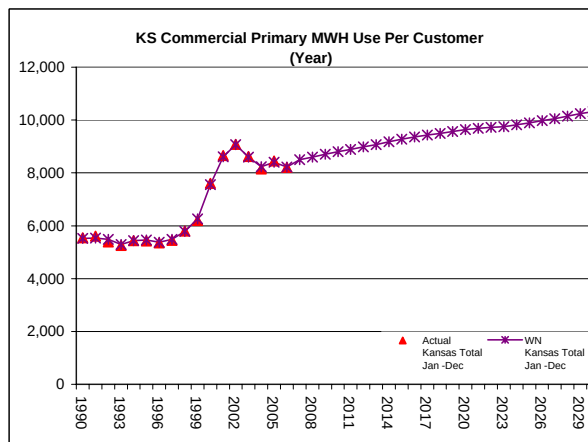
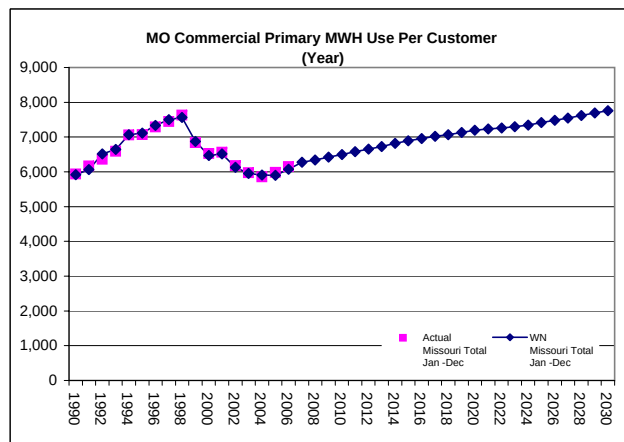
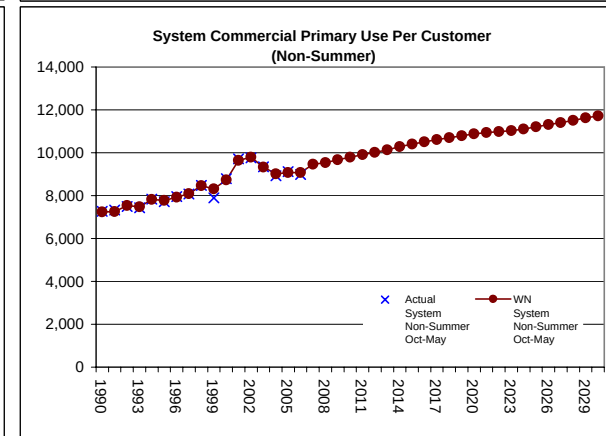
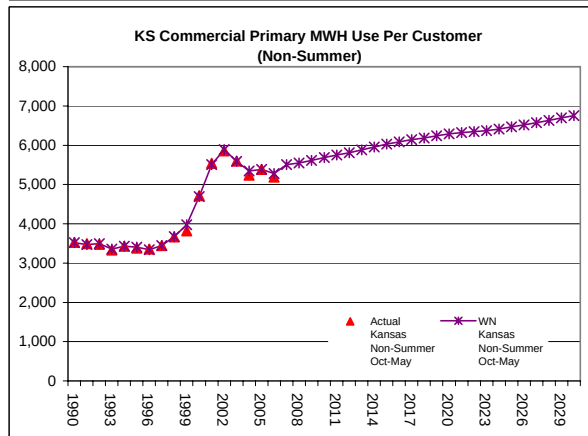
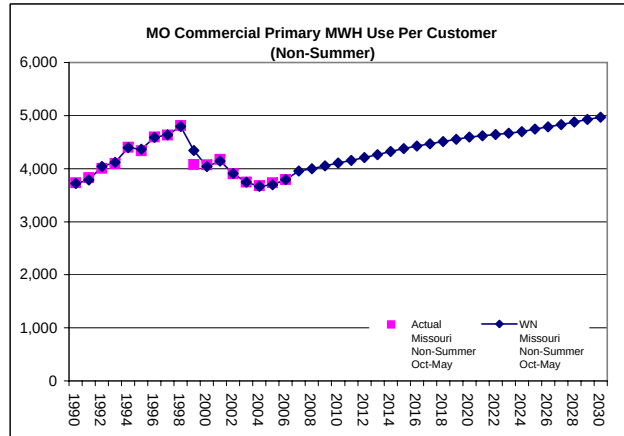
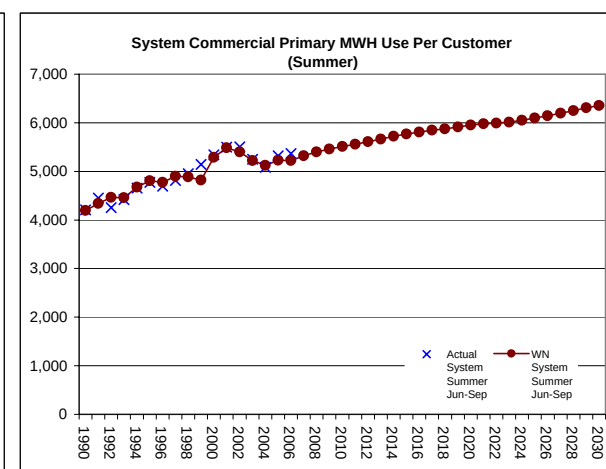
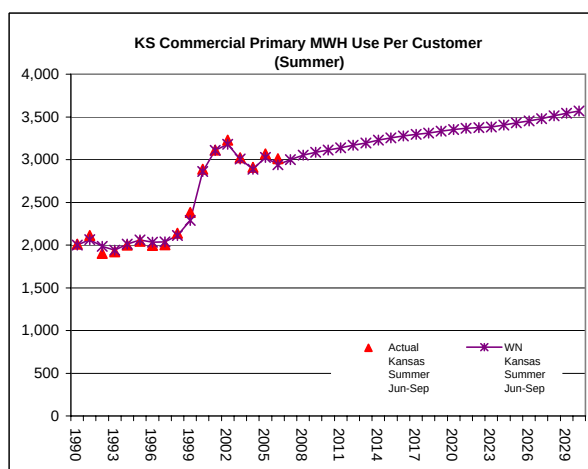
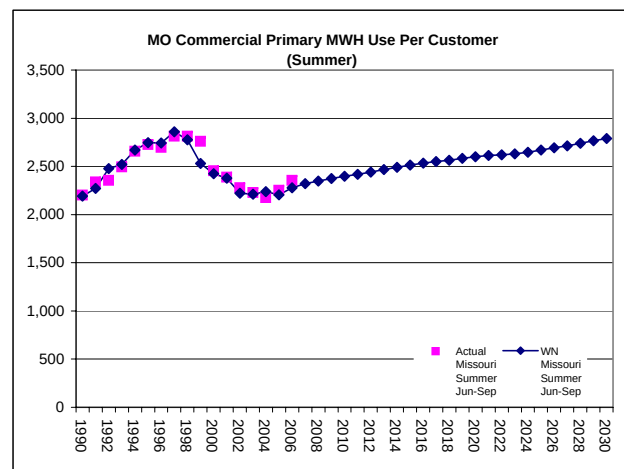
Plot H-42 Missouri & Kansas Residential MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri	Missouri	Missouri	Missouri	Missouri	Missouri	Kansas	Kansas	Kansas	Kansas	Kansas	Kansas	System	System	System	System	System	System
	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
1990	32.6	32.4	52.0	51.9	84.5	84.3	30.9	30.7	49.7	49.9	80.6	80.6	63.4	63.1	101.7	101.8	165.2	164.9
1991	34.1	33.0	54.5	53.8	88.7	86.8	32.4	31.4	52.2	51.5	84.6	82.9	66.5	64.4	106.7	105.3	173.2	169.7
1992	30.9	32.9	53.9	54.7	84.8	87.6	29.7	31.5	52.7	53.5	82.4	84.9	60.6	64.4	106.5	108.2	167.1	172.6
1993	31.7	32.0	53.9	54.0	85.6	86.1	31.1	31.5	53.0	53.1	84.1	84.6	62.8	63.6	106.9	107.1	169.7	170.7
1994	32.5	32.7	55.6	55.7	88.2	88.4	31.6	31.8	53.9	53.9	85.4	85.6	64.1	64.5	109.5	109.5	173.6	174.0
1995	34.0	34.3	56.4	56.9	90.4	91.2	32.8	33.0	55.4	55.9	88.2	88.9	66.8	67.3	111.8	112.8	178.6	180.1
1996	34.3	35.0	59.9	59.3	94.1	94.3	32.6	33.4	55.9	55.4	88.5	88.8	66.9	68.4	115.8	114.7	182.7	183.1
1997	35.6	36.3	62.0	61.9	97.6	98.2	33.4	34.1	57.9	57.9	91.4	92.0	69.0	70.4	120.0	119.8	188.9	190.2
1998	38.0	37.4	63.6	63.9	101.6	101.3	35.8	35.3	59.5	59.6	95.3	94.9	73.8	72.7	123.1	123.5	196.9	196.2
1999	36.9	37.1	62.9	64.0	99.9	101.1	36.5	36.7	59.3	60.1	95.8	96.9	73.4	73.9	122.2	124.1	195.6	198.0
2000	39.1	38.6	66.1	65.8	105.1	104.4	37.9	37.4	63.1	62.6	100.9	100.0	76.9	75.9	129.1	128.4	206.0	204.4
2001	38.5	38.3	67.1	66.5	105.6	104.8	38.5	38.4	66.1	65.5	104.6	104.0	77.0	76.8	133.2	132.0	210.3	208.8
2002	39.8	38.9	66.4	66.7	106.2	105.6	38.6	37.6	64.6	64.9	103.2	102.5	78.5	76.6	130.9	131.6	209.4	208.1
2003	38.2	37.9	67.7	67.7	105.9	105.5	37.5	37.2	65.5	65.5	103.1	102.7	75.7	75.1	133.2	133.2	208.9	208.3
2004	38.1	39.2	68.0	68.3	106.1	107.5	37.5	38.7	65.1	65.3	102.7	103.9	75.7	77.9	133.2	133.6	208.8	211.5
2005	40.3	39.6	69.1	68.8	109.5	108.4	40.4	39.6	66.8	66.4	107.2	106.0	80.8	79.1	135.9	135.3	216.6	214.4
2006	41.4	40.0	68.8	70.0	110.2	110.1	40.3	39.0	66.4	67.4	106.7	106.4	81.7	79.0	135.2	137.4	216.8	216.4
2007		40.2		71.4		111.6		39.5		68.9		108.4		79.6		140.4		220.0
2008		40.4		71.3		111.7		39.6		68.6		108.3		80.1		139.9		220.0
2009		40.6		71.9		112.5		39.8		69.1		109.0		80.4		141.0		221.4
2010		40.7		72.4		113.1		39.9		69.6		109.5		80.6		142.0		222.7
2011		40.8		73.0		113.8		40.0		70.1		110.1		80.8		143.1		223.9
2012		41.0		73.6		114.6		40.2		70.6		110.7		81.2		144.1		225.3
2013		41.2		74.2		115.4		40.4		71.1		111.5		81.5		145.4		226.9
2014		41.4		75.1		116.5		40.6		71.8		112.4		82.0		146.9		228.9
2015		41.6		75.8		117.4		40.8		72.5		113.3		82.4		148.2		230.7
2016		41.8		76.4		118.2		40.9		73.0		113.9		82.7		149.4		232.1
2017		41.9		77.0		118.9		41.1		73.5		114.5		82.9		150.5		233.4
2018		41.9		77.5		119.4		41.1		73.8		115.0		83.1		151.3		234.4
2019		42.1		78.0		120.1		41.3		74.3		115.6		83.4		152.3		235.7
2020		42.3		78.6		120.9		41.4		74.8		116.3		83.7		153.5		237.2
2021		42.3		78.9		121.3		41.5		75.0		116.5		83.8		154.0		237.8
2022		42.3		79.2		121.5		41.5		75.2		116.7		83.9		154.4		238.2
2023		42.4		79.4		121.7		41.5		75.3		116.9		83.9		154.7		238.6
2024		42.5		79.8		122.3		41.7		75.7		117.3		84.2		155.4		239.6
2025		42.7		80.3		123.1		41.9		76.1		118.0		84.6		156.5		241.1
2026		42.9		80.8		123.7		42.0		76.6		118.6		84.9		157.4		242.3
2027		43.1		81.4		124.4		42.2		77.0		119.2		85.3		158.3		243.6
2028		43.3		81.9		125.2		42.5		77.5		119.9		85.8		159.4		245.2
2029		43.6		82.5		126.1		42.7		78.0		120.7		86.3		160.5		246.8
2030		43.7		82.9		126.6		42.8		78.3		121.1		86.5		161.2		247.7
90-'06	1.5%	1.3%	1.8%	1.9%	1.7%	1.7%	1.7%	1.5%	1.8%	1.9%	1.8%	1.8%	1.6%	1.4%	1.8%	1.9%	1.7%	1.7%
07-'10		0.4%		0.5%		0.5%		0.4%		0.3%		0.3%		0.4%		0.4%		0.4%
10-'15		0.4%		0.9%		0.7%		0.4%		0.8%		0.7%		0.4%		0.9%		0.7%
15-'20		0.3%		0.7%		0.6%		0.3%		0.6%		0.5%		0.3%		0.7%		0.6%
20-'25		0.2%		0.4%		0.4%		0.2%		0.3%		0.3%		0.2%		0.4%		0.3%
25-'30		0.5%		0.6%		0.6%		0.5%		0.6%		0.5%		0.5%		0.6%		0.5%
07-'30		0.4%		0.7%		0.6%		0.4%		0.6%		0.5%		0.4%		0.6%		0.5%



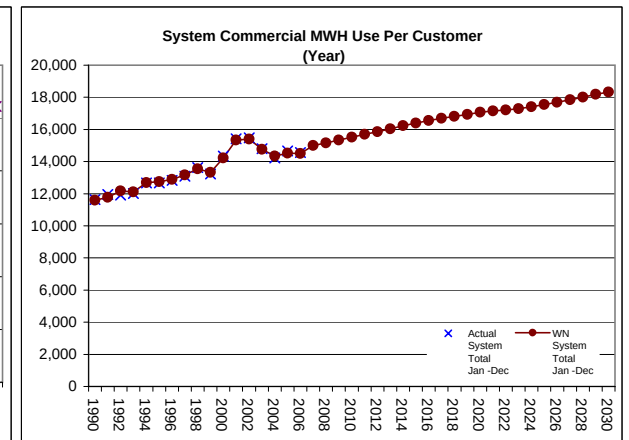
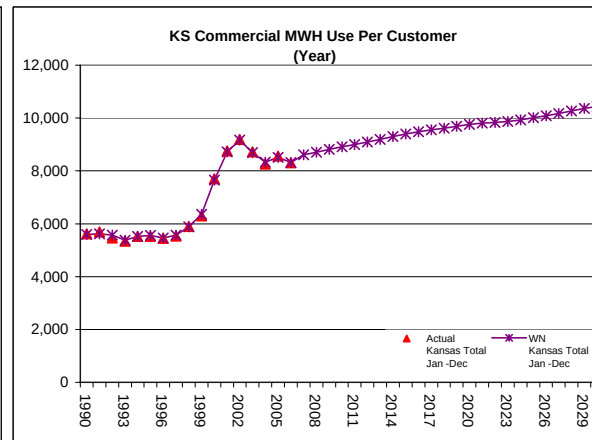
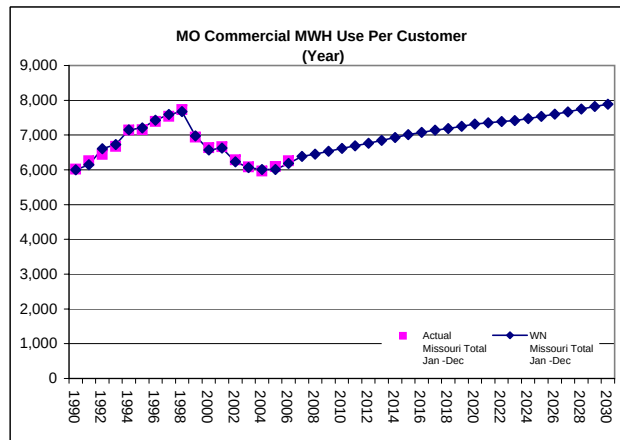
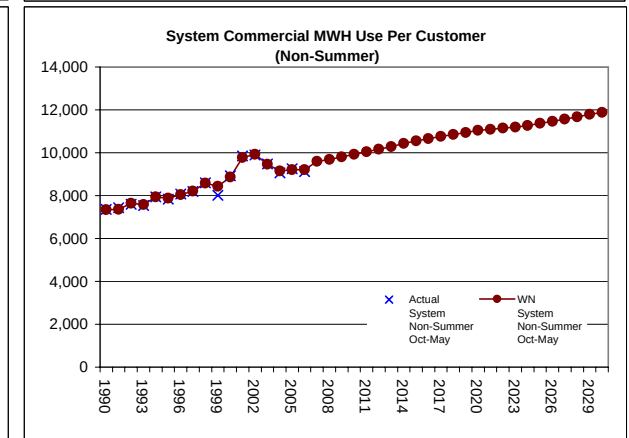
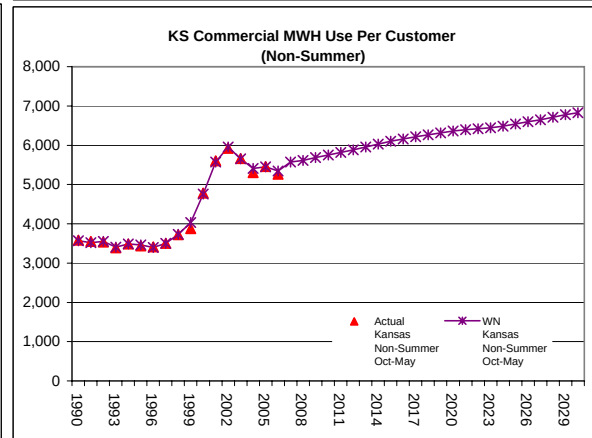
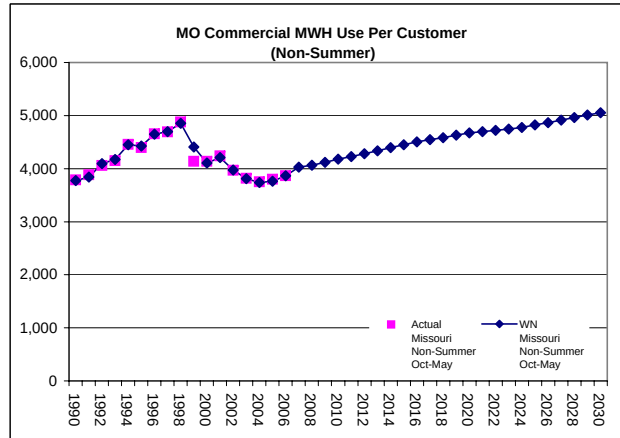
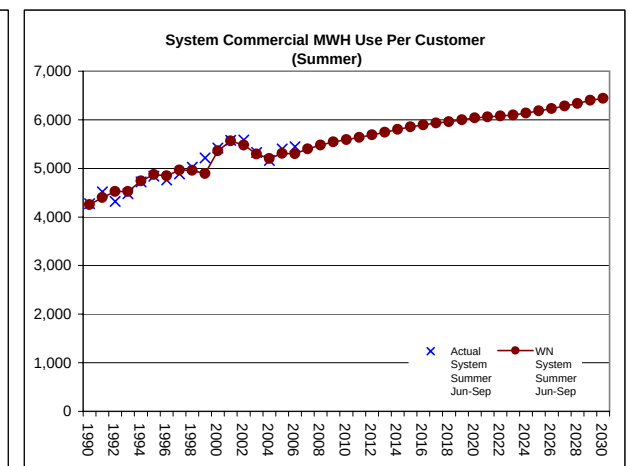
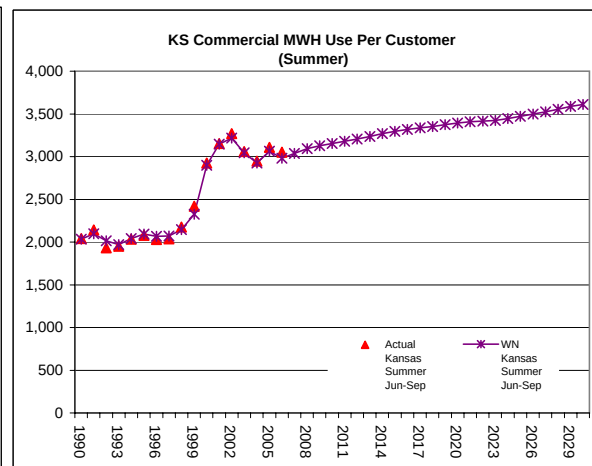
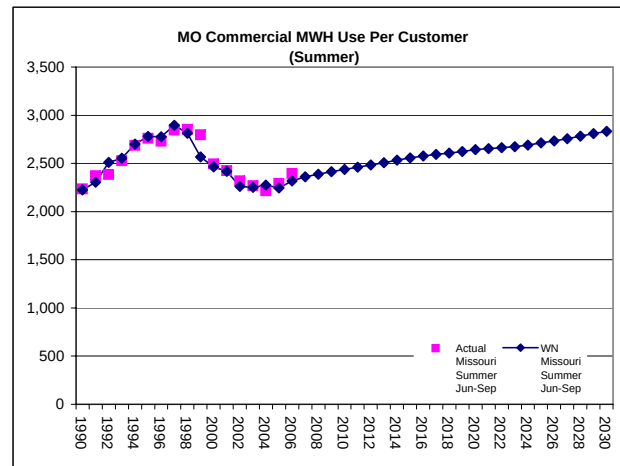
Plot H-43 Missouri & Kansas Commercial Primary MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System 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
1990	2,201.0	2,191.9	3,732.4	3,721.0	5,933.4	5,912.9	2,009.8	2,001.7	3,530.8	3,516.7	5,540.6	5,518.4	4,210.8	4,193.6	7,263.2	7,237.7	11,474.0	11,431.3
1991	2,338.2	2,271.6	3,829.9	3,789.7	6,168.1	6,061.2	2,110.7	2,065.5	3,496.6	3,470.5	5,607.3	5,536.0	4,448.8	4,337.1	7,326.5	7,260.1	11,775.4	11,597.2
1992	2,354.2	2,478.2	4,003.9	4,038.6	6,358.1	6,516.8	1,902.8	1,984.0	3,481.2	3,498.2	5,383.9	5,482.2	4,257.0	4,462.2	7,485.1	7,536.8	11,742.1	11,999.0
1993	2,495.4	2,521.2	4,093.1	4,120.7	6,588.6	6,641.9	1,921.2	1,940.0	3,335.9	3,356.2	5,257.1	5,296.2	4,416.6	4,461.3	7,429.0	7,476.9	11,845.6	11,938.2
1994	2,655.2	2,668.4	4,401.7	4,396.6	7,056.9	7,065.0	2,000.7	2,010.0	3,433.4	3,431.8	5,434.1	5,441.8	4,655.9	4,678.4	7,835.1	7,828.3	12,491.0	12,506.8
1995	2,725.9	2,745.6	4,338.3	4,367.9	7,064.2	7,113.5	2,046.4	2,058.9	3,382.4	3,404.2	5,428.8	5,463.1	4,772.3	4,804.5	7,720.7	7,772.1	12,493.0	12,576.6
1996	2,695.9	2,742.6	4,595.8	4,590.6	7,291.7	7,333.2	1,996.5	2,034.3	3,360.2	3,340.8	5,356.7	5,375.1	4,692.4	4,776.9	7,956.0	7,931.4	12,648.3	12,708.3
1997	2,811.5	2,859.5	4,629.6	4,636.5	7,441.1	7,496.0	2,002.8	2,038.3	3,445.6	3,445.8	5,448.4	5,484.1	4,814.3	4,897.8	8,075.2	8,082.3	12,889.6	12,980.2
1998	2,813.5	2,776.7	4,812.2	4,792.3	7,625.7	7,569.0	2,139.1	2,111.5	3,665.6	3,672.7	5,804.7	5,784.2	4,952.6	4,888.1	8,477.9	8,465.0	13,430.5	13,353.2
1999	2,757.9	2,530.9	4,076.6	4,344.1	6,834.5	6,875.1	2,382.1	2,288.4	3,821.0	3,971.5	6,203.1	6,259.9	5,139.9	4,819.3	7,897.6	8,315.7	13,037.6	13,135.0
2000	2,453.1	2,425.4	4,072.1	4,042.2	6,525.2	6,467.6	2,887.6	2,862.2	4,717.3	4,692.3	7,604.9	7,554.5	5,340.7	5,287.6	8,789.4	8,734.5	14,130.2	14,022.1
2001	2,386.8	2,378.1	4,171.8	4,139.9	6,558.6	6,518.0	3,114.0	3,107.8	5,541.5	5,505.5	8,655.5	8,613.3	5,500.8	5,486.0	9,713.3	9,645.4	15,214.0	15,131.4
2002	2,276.5	2,220.9	3,901.9	3,907.9	6,178.4	6,128.8	3,229.4	3,178.4	5,856.3	5,886.3	9,085.7	9,064.7	5,505.8	5,399.3	9,758.3	9,794.3	15,264.1	15,193.5
2003	2,229.7	2,212.7	3,747.0	3,742.9	5,976.7	5,955.6	3,021.2	3,006.5	5,595.3	5,590.1	8,616.5	8,596.6	5,250.9	5,219.2	9,342.3	9,330.0	14,593.2	14,552.2
2004	2,175.5	2,237.0	3,680.6	3,668.6	5,856.1	5,905.6	2,911.3	2,887.1	5,242.3	5,341.0	8,153.6	8,228.1	5,086.8	5,124.0	8,922.9	9,009.7	14,009.7	14,133.7
2005	2,250.4	2,205.7	3,731.4	3,693.7	5,981.8	5,899.4	3,068.2	3,024.9	5,388.4	5,384.3	8,456.6	8,409.1	5,318.5	5,230.6	9,119.9	9,077.9	14,438.4	14,308.5
2006	2,354.4	2,278.5	3,794.0	3,793.6	6,148.4	6,072.1	3,012.3	2,941.8	5,192.8	5,276.6	8,205.1	8,218.4	5,366.7	5,220.3	8,986.7	9,070.2	14,353.5	14,290.5
2007		2,320.2		3,957.7		6,277.9		2,999.0		5,504.0		8,503.1		5,319.2		9,461.7		14,780.9
2008		2,347.1		3,996.0		6,343.1		3,054.2		5,544.0		8,598.2		5,401.3		9,540.0		14,941.2
2009		2,375.0		4,049.6		6,424.6		3,086.0		5,616.3		8,702.3		5,461.0		9,665.9		15,126.9
2010		2,397.3		4,104.2		6,501.5		3,113.8		5,684.1		8,797.9		5,511.1		9,788.3		15,299.4
2011		2,418.8		4,156.5		6,575.3		3,140.4		5,750.1		8,890.5		5,559.3		9,906.6		15,465.9
2012		2,441.9		4,206.9		6,648.8		3,167.0		5,812.0		8,979.1		5,609.0		10,018.9		15,627.9
2013		2,465.7		4,261.4		6,727.1		3,194.9		5,880.2		9,075.2		5,660.6		10,141.6		15,802.3
2014		2,491.8		4,323.3		6,815.1		3,227.6		5,956.3		9,184.0		5,719.4		10,279.6		15,999.1
2015		2,515.3		4,377.5		6,892.8		3,253.7		6,026.9		9,280.7		5,769.0		10,404.4		16,173.4
2016		2,533.5		4,425.9		6,959.4		3,276.3		6,085.2		9,361.5		5,809.9		10,511.1		16,320.9
2017		2,550.7		4,471.2		7,021.9		3,296.6		6,141.1		9,437.8		5,847.4		10,612.3		16,459.7
2018		2,564.4		4,507.7		7,072.1		3,312.0		6,187.1		9,499.1		5,876.4		10,694.8		16,571.1
2019		2,582.8		4,550.2		7,133.0		3,332.5		6,238.1		9,570.6		5,915.3		10,788.3		16,703.6
2020		2,600.6		4,594.4		7,195.0		3,352.7		6,291.1		9,643.8		5,953.3		10,885.5		16,838.8
2021		2,611.8		4,620.8		7,232.6		3,365.9		6,320.5		9,686.4		5,977.6		10,941.3		16,919.0
2022		2,620.7		4,642.9		7,263.6		3,373.3		6,345.9		9,719.2		5,994.0		10,988.8		16,982.8
2023		2,629.5		4,664.4		7,293.9		3,382.9		6,368.4		9,751.3		6,012.4		11,032.8		17,045.2
2024		2,648.0		4,699.0		7,347.0		3,404.0		6,411.1		9,815.1		6,052.0		11,110.1		17,162.1
2025		2,671.1		4,744.7		7,415.8		3,429.6		6,467.6		9,897.3		6,100.8		11,212.3		17,313.1
2026		2,691.5		4,787.1		7,478.6		3,454.9		6,518.9		9,973.8		6,146.4		11,306.0		17,452.4
2027		2,714.0		4,830.6		7,544.6		3,480.5		6,572.1		10,052.6		6,194.5		11,402.7		17,597.2
2028		2,740.0		4,878.9		7,618.9		3,511.8		6,633.6		10,145.4		6,251.9		11,512.4		17,764.3
2029		2,766.8		4,929.3		7,696.1		3,544.8		6,696.6		10,241.4		6,311.6		11,625.9		17,937.5
2030		2,787.7		4,969.0		7,756.7		3,568.1		6,750.8		10,319.0		6,355.9		11,719.8		18,075.7
90-'06	0.4%	0.2%	0.1%	0.1%	0.2%	0.2%	2.6%	2.4%	2.4%	2.6%	2.5%	2.5%	1.5%	1.4%	1.3%	1.4%	1.4%	1.4%
07-'10		1.1%		1.2%		1.2%		1.3%		1.1%		1.1%		1.2%		1.1%		1.2%
10-'15		1.0%		1.3%		1.2%		0.9%		1.2%		1.1%		0.9%		1.2%		1.1%
15-'20		0.7%		1.0%		0.9%		0.6%		0.9%		0.8%		0.6%		0.9%		0.8%
20-'25		0.5%		0.6%		0.6%		0.5%		0.6%		0.5%		0.5%		0.6%		0.6%
25-'30		0.9%		0.9%		0.9%		0.8%		0.9%		0.8%		0.8%		0.9%		0.9%
07-'30		0.8%		1.0%		0.9%		0.8%		0.9%		0.8%		0.8%		0.9%		0.9%



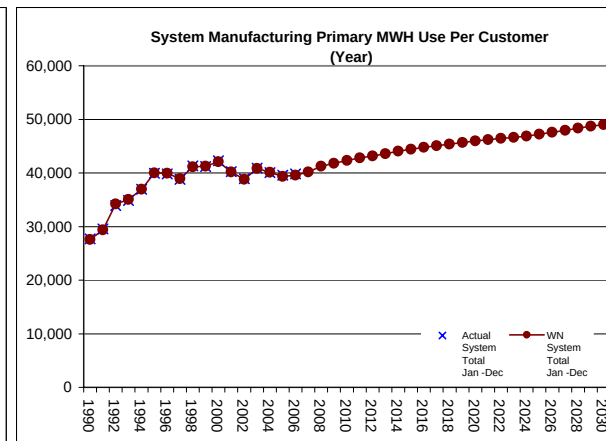
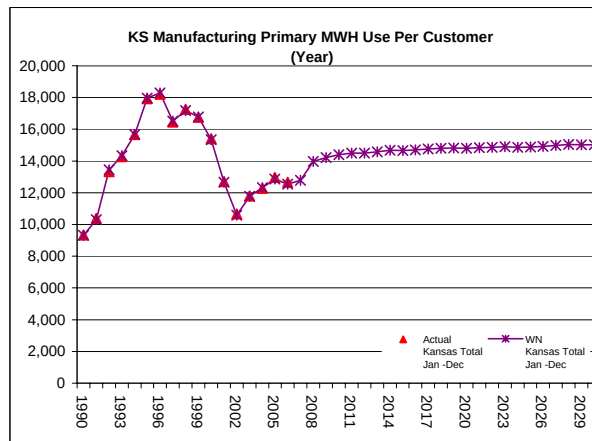
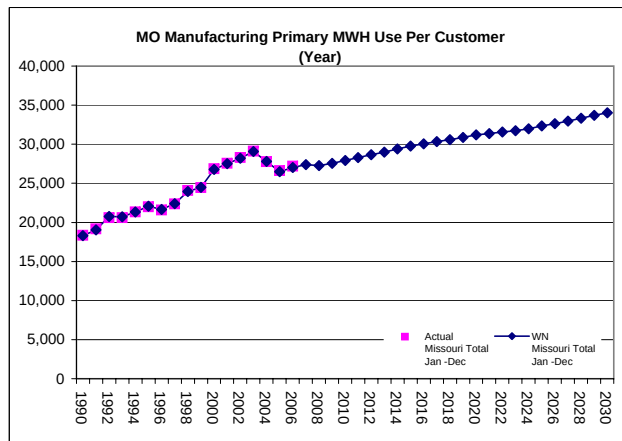
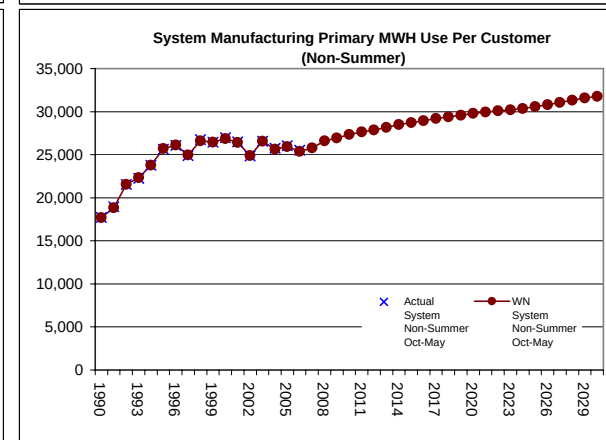
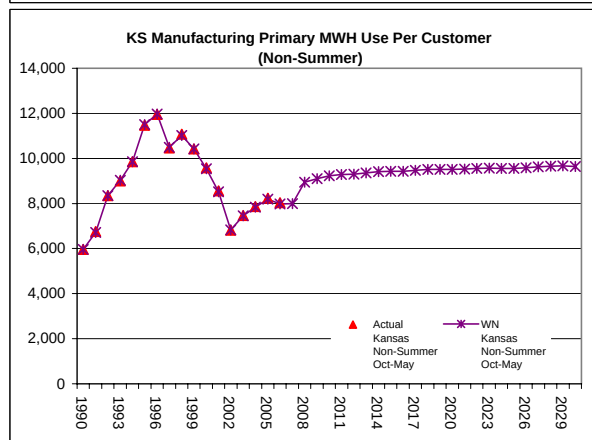
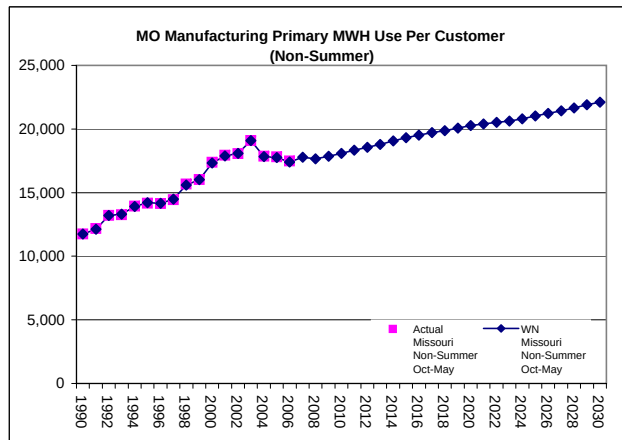
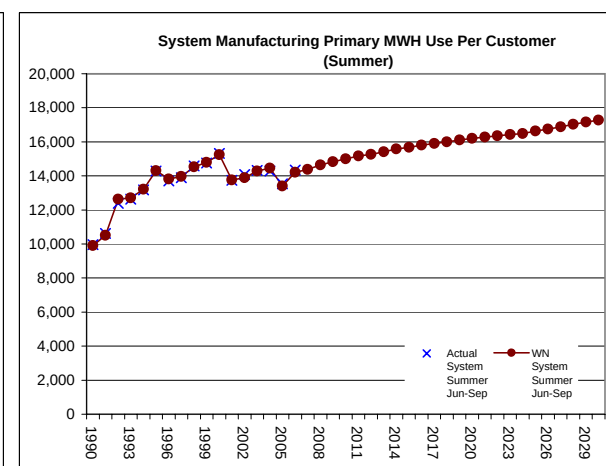
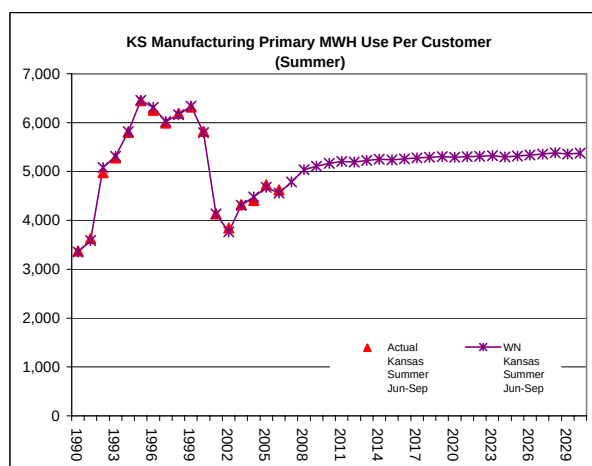
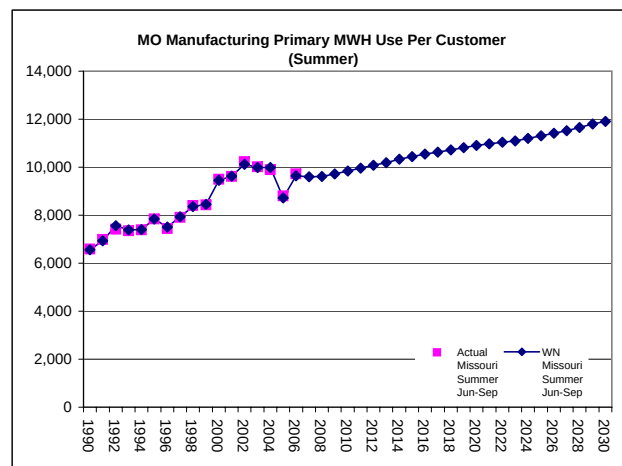
**Plot H-44 Missouri & Kansas Commercial MWH Use Per Customer
(Actual vs. Weather Normalized)**

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System Total Jan -Dec
1990	2,233.6	2,224.3	3,784.3	3,772.9	6,017.9	5,997.3	2,040.7	2,032.4	3,580.5	3,566.6	5,621.2	5,599.0	4,274.3	4,256.7	7,364.9	7,339.5	11,639.1	11,596.2
1991	2,372.3	2,304.6	3,884.4	3,843.4	6,256.8	6,148.0	2,143.0	2,096.9	3,548.8	3,522.0	5,691.8	5,618.9	4,515.4	4,401.5	7,433.3	7,365.4	11,948.6	11,766.9
1992	2,385.2	2,511.1	4,057.8	4,093.3	6,442.9	6,604.4	1,932.5	2,015.5	3,533.8	3,551.7	5,466.3	5,567.1	4,317.6	4,526.6	7,591.6	7,645.0	11,909.2	12,171.6
1993	2,527.1	2,553.3	4,147.1	4,174.7	6,674.1	6,728.0	1,952.3	1,971.6	3,388.9	3,409.3	5,341.2	5,380.8	4,479.4	4,524.9	7,535.9	7,584.0	12,015.3	12,108.8
1994	2,687.7	2,701.1	4,457.4	4,452.2	7,145.1	7,153.3	2,032.3	2,041.8	3,487.3	3,485.6	5,519.5	5,527.4	4,720.0	4,742.9	7,944.7	7,937.9	12,664.7	12,680.8
1995	2,759.9	2,779.9	4,394.7	4,424.8	7,154.6	7,204.7	2,079.2	2,091.9	3,437.8	3,460.1	5,517.0	5,552.0	4,839.0	4,871.8	7,832.5	7,884.8	12,671.6	12,756.7
1996	2,730.1	2,777.6	4,655.7	4,649.9	7,385.8	7,427.5	2,029.1	2,067.7	3,416.1	3,396.2	5,445.2	5,463.9	4,759.2	4,845.3	8,071.8	8,046.1	12,831.0	12,891.4
1997	2,847.1	2,895.8	4,691.6	4,698.4	7,538.7	7,594.3	2,036.2	2,072.4	3,503.6	3,503.7	5,539.8	5,576.2	4,883.3	4,968.3	8,195.2	8,202.1	13,078.5	13,170.4
1998	2,851.5	2,814.1	4,875.8	4,856.2	7,727.3	7,670.3	2,174.9	2,146.7	3,725.2	3,732.4	5,900.1	5,879.1	5,026.4	4,960.8	8,601.0	8,588.6	13,627.4	13,549.4
1999	2,794.8	2,568.1	4,139.5	4,408.1	6,934.3	6,976.2	2,418.6	2,325.1	3,880.3	4,031.7	6,298.9	6,356.8	5,213.3	4,893.2	8,019.9	8,439.8	13,233.2	13,332.9
2000	2,492.2	2,464.0	4,138.2	4,108.0	6,630.4	6,572.0	2,925.4	2,899.5	4,780.4	4,754.9	7,705.8	7,654.4	5,417.7	5,363.5	8,918.5	8,862.9	14,336.2	14,226.4
2001	2,425.3	2,416.5	4,238.9	4,206.4	6,664.2	6,622.9	3,152.5	3,146.3	5,607.6	5,571.0	8,760.1	8,717.3	5,577.8	5,562.7	9,846.5	9,777.4	15,424.3	15,340.2
2002	2,316.3	2,259.8	3,968.3	3,974.6	6,284.6	6,234.4	3,268.0	3,216.0	5,920.9	5,951.2	9,188.9	9,167.2	5,584.3	5,475.8	9,889.2	9,925.8	15,473.5	15,401.6
2003	2,267.9	2,250.6	3,814.7	3,810.6	6,082.6	6,061.2	3,058.7	3,043.7	5,660.8	5,655.6	8,719.5	8,699.3	5,326.6	5,294.3	9,475.5	9,466.2	14,802.1	14,760.5
2004	2,213.7	2,276.2	3,748.6	3,736.9	5,962.3	6,013.1	2,948.8	2,925.7	5,307.4	5,406.3	8,256.3	8,332.0	5,162.5	5,201.9	9,056.1	9,143.3	14,218.5	14,345.2
2005	2,290.7	2,245.3	3,800.5	3,762.5	6,091.3	6,007.8	3,108.6	3,064.5	5,455.2	5,450.7	8,563.8	8,515.2	5,399.3	5,309.7	9,255.7	9,213.2	14,655.0	14,522.9
2006	2,395.8	2,318.5	3,862.8	3,863.6	6,258.5	6,182.2	3,052.7	2,980.8	5,259.1	5,344.0	8,311.8	8,324.7	5,448.4	5,299.3	9,121.9	9,207.6	14,570.3	14,506.9
2007		2,360.4		4,029.1		6,389.5		3,038.5		5,573.0		8,611.5		5,398.9		9,602.1		15,000.9
2008		2,387.5		4,067.3		6,454.8		3,093.8		5,612.6		8,706.5		5,481.3		9,679.9		15,161.2
2009		2,415.6		4,121.4		6,537.1		3,125.9		5,685.4		8,811.3		5,541.5		9,806.9		15,348.3
2010		2,438.0		4,176.6		6,614.6		3,153.7		5,753.7		8,907.5		5,591.7		9,930.3		15,522.1
2011		2,459.6		4,229.5		6,689.2		3,180.5		5,820.2		9,000.6		5,640.1		10,049.7		15,689.8
2012		2,482.9		4,280.5		6,763.4		3,207.2		5,882.6		9,089.8		5,690.1		10,163.1		15,853.2
2013		2,506.9		4,335.6		6,842.5		3,235.3		5,951.4		9,186.6		5,742.2		10,287.0		16,029.2
2014		2,533.2		4,398.4		6,931.6		3,268.2		6,028.2		9,296.4		5,801.4		10,426.5		16,228.0
2015		2,556.9		4,453.3		7,010.2		3,294.5		6,099.4		9,393.9		5,851.4		10,552.6		16,404.1
2016		2,575.3		4,502.3		7,077.6		3,317.3		6,158.2		9,475.5		5,892.6		10,660.5		16,553.0
2017		2,592.6		4,548.2		7,140.8		3,337.7		6,214.6		9,552.3		5,930.3		10,762.8		16,693.1
2018		2,606.3		4,585.2		7,191.5		3,353.2		6,260.9		9,614.0		5,959.5		10,846.1		16,805.5
2019		2,624.9		4,628.2		7,253.1		3,373.8		6,312.4		9,686.2		5,998.7		10,940.6		16,939.3
2020		2,642.9		4,673.0		7,315.9		3,394.1		6,365.9		9,760.1		6,037.0		11,039.0		17,076.0
2021		2,654.1		4,699.7		7,353.8		3,407.4		6,395.6		9,802.9		6,061.5		11,095.3		17,156.8
2022		2,663.1		4,722.1		7,385.1		3,414.8		6,421.1		9,835.9		6,077.8		11,143.2		17,221.0
2023		2,671.9		4,743.8		7,415.6		3,424.4		6,443.7		9,868.1		6,096.3		11,187.5		17,283.8
2024		2,690.5		4,778.8		7,469.3		3,445.7		6,486.7		9,932.4		6,136.2		11,265.5		17,401.7
2025		2,713.8		4,825.0		7,538.9		3,471.5		6,543.8		10,015.3		6,185.3		11,368.8		17,554.2
2026		2,734.4		4,867.9		7,602.3		3,496.9		6,595.5		10,092.4		6,231.3		11,463.4		17,694.7
2027		2,757.1		4,912.0		7,669.1		3,522.7		6,649.1		10,171.8		6,279.8		11,561.1		17,840.9
2028		2,783.3		4,960.8		7,744.1		3,554.3		6,711.0		10,265.3		6,337.6		11,671.8		18,009.5
2029		2,810.3		5,011.9		7,822.2		3,587.5		6,774.5		10,362.0		6,397.8		11,786.4		18,184.2
2030		2,831.4		5,051.9		7,883.3		3,611.0		6,829.1		10,440.1		6,442.4		11,881.0		18,323.4
90-'06	0.4%	0.3%	0.1%	0.1%	0.2%	0.2%	2.5%	2.4%	2.4%	2.6%	2.5%	2.5%	1.5%	1.4%	1.3%	1.4%	1.4%	1.4%
07-'10		1.1%		1.2%		1.2%		1.2%		1.1%		1.1%		1.2%		1.1%		1.1%
10-'15		1.0%		1.3%		1.2%		0.9%		1.2%		1.1%		0.9%		1.2%		1.1%
15-'20		0.7%		1.0%		0.9%		0.6%		0.9%		0.8%		0.6%		0.9%		0.8%
20-'25		0.5%		0.6%		0.6%		0.5%		0.6%		0.5%		0.5%		0.6%		0.6%
25-'30		0.9%		0.9%		0.9%		0.8%		0.9%		0.8%		0.8%		0.9%		0.9%
07-'30		0.8%		1.0%		0.9%		0.8%		0.9%		0.8%		0.8%		0.9%		0.9%



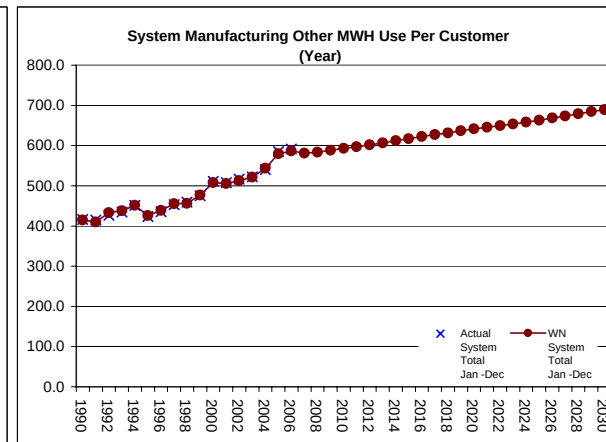
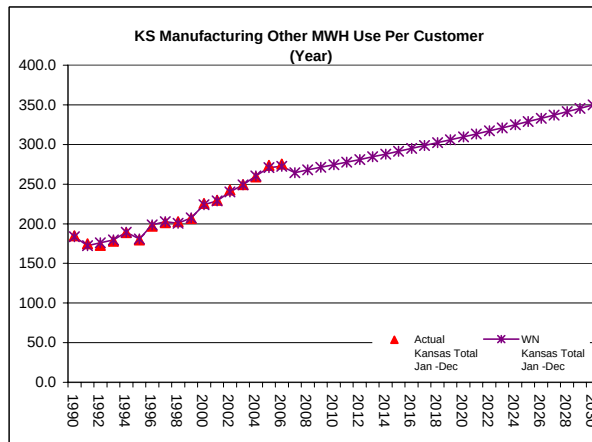
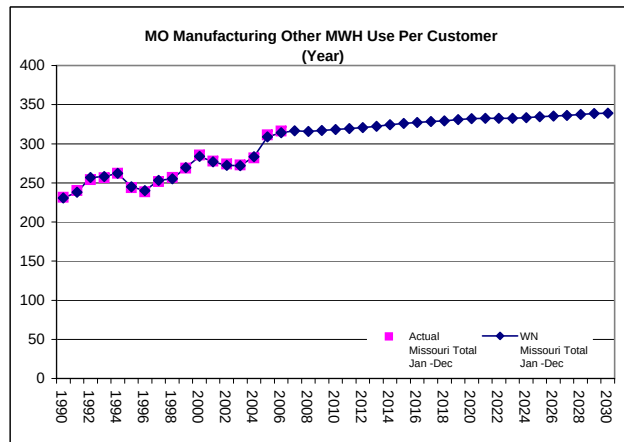
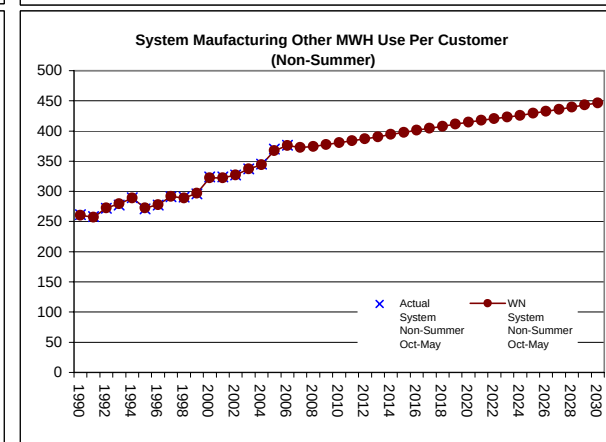
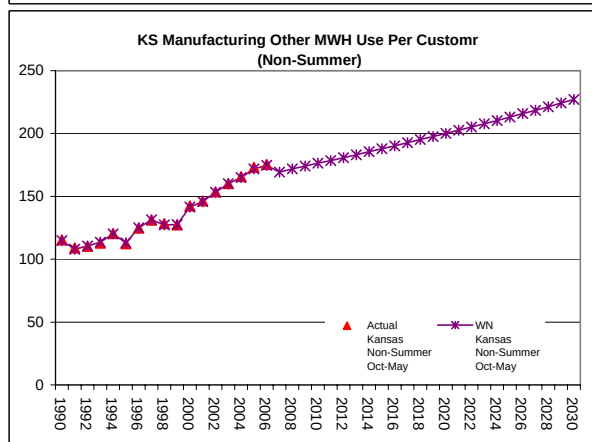
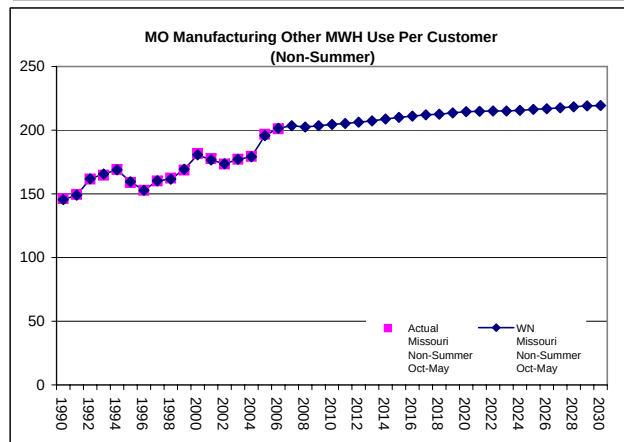
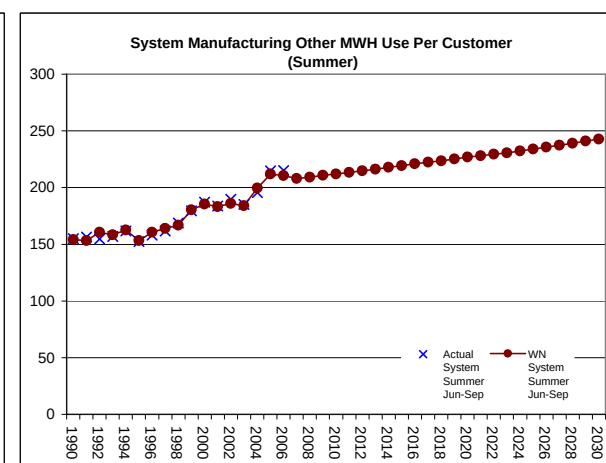
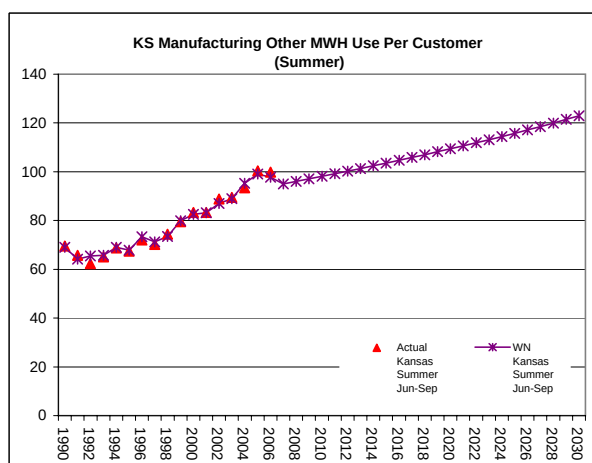
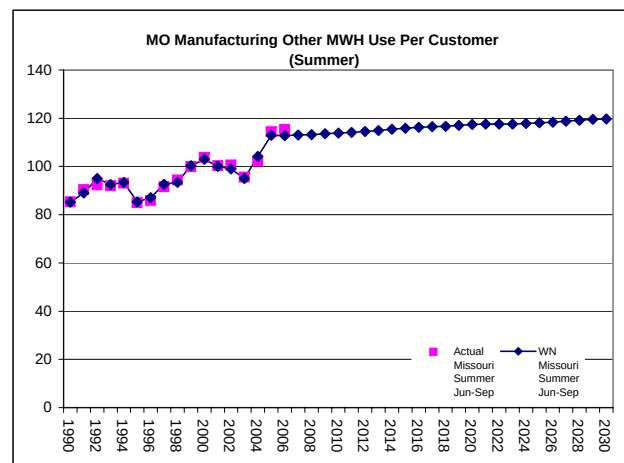
**Plot H-45 Missouri & Kansas Manufacturing Primary MWH Use Per Customer
(Actual vs. Weather Normalized)**

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System Total Jan -Dec
1990	6,588.4	6,556.5	11,744.7	11,737.8	18,333.1	18,294.2	3,374.0	3,352.3	5,967.5	5,960.2	9,341.6	9,312.5	9,962.4	9,908.7	17,712.3	17,698.0	27,674.7	27,606.8
1991	6,988.1	6,928.8	12,180.2	12,128.3	19,168.3	19,057.1	3,628.9	3,586.6	6,759.5	6,723.0	10,388.3	10,309.7	10,616.9	10,515.5	18,939.7	18,851.3	29,556.6	29,366.8
1992	7,413.0	7,553.8	13,193.0	13,200.1	20,606.1	20,753.9	4,978.2	5,082.9	8,349.4	8,354.7	13,327.6	13,437.5	12,391.2	12,636.7	21,542.5	21,554.7	33,933.7	34,191.4
1993	7,350.5	7,392.2	13,260.0	13,304.8	20,610.5	20,696.9	5,277.1	5,307.7	8,996.4	9,030.7	14,273.5	14,338.4	12,627.6	12,699.9	22,256.4	22,335.4	34,884.0	35,035.3
1994	7,380.9	7,399.1	13,933.9	13,919.1	21,314.8	21,318.2	5,803.0	5,816.7	9,860.0	9,849.6	15,662.9	15,666.3	13,183.8	13,215.8	23,793.9	23,768.7	36,977.7	36,984.5
1995	7,834.7	7,845.4	14,167.5	14,208.2	22,002.1	22,053.6	6,447.5	6,457.6	11,473.3	11,506.6	17,920.8	17,964.2	14,282.2	14,302.9	25,640.8	25,714.8	39,923.0	40,017.7
1996	7,444.4	7,508.5	14,139.0	14,150.8	21,583.4	21,659.3	6,256.4	6,310.1	11,954.9	11,966.7	18,211.3	18,276.8	13,700.8	13,818.6	26,093.9	26,117.5	39,794.7	39,936.2
1997	7,904.2	7,937.6	14,438.2	14,477.6	22,342.4	22,415.1	5,993.1	6,022.6	10,458.4	10,489.8	16,451.5	16,512.4	13,897.3	13,960.2	24,896.6	24,967.4	38,793.9	38,927.6
1998	8,393.7	8,362.9	15,664.9	15,596.2	24,058.6	23,959.1	6,189.5	6,163.3	11,076.6	11,022.1	17,266.2	17,185.4	14,583.2	14,526.2	26,741.5	26,618.2	41,324.7	41,144.5
1999	8,427.4	8,447.0	16,025.8	16,024.9	24,453.2	24,471.9	6,319.7	6,337.0	10,427.6	10,427.3	16,747.4	16,764.4	14,747.2	14,784.1	26,453.4	26,452.2	41,200.6	41,236.3
2000	9,487.4	9,452.3	17,390.4	17,330.0	26,877.9	26,782.2	5,823.5	5,792.8	9,588.8	9,540.8	15,412.3	15,333.6	15,310.9	15,245.0	26,979.3	26,870.8	42,290.1	42,115.8
2001	9,616.0	9,620.0	17,939.3	17,880.7	27,555.3	27,500.8	4,133.4	4,134.6	8,563.9	8,519.5	12,697.3	12,654.1	13,749.4	13,754.6	26,503.2	26,400.2	40,252.6	40,154.9
2002	10,228.2	10,118.8	18,057.6	18,079.6	28,285.8	28,198.4	3,844.6	3,768.4	6,811.9	6,825.3	10,656.5	10,593.7	14,072.8	13,887.1	24,869.5	24,904.9	38,942.3	38,792.0
2003	10,007.9	9,987.9	19,101.6	19,088.0	29,109.5	29,075.9	4,321.8	4,305.8	7,468.8	7,459.3	11,790.6	11,765.1	14,329.7	14,293.7	26,570.3	26,547.3	40,900.1	40,841.0
2004	9,888.8	9,984.2	17,869.1	17,819.6	27,757.9	27,803.9	4,406.2	4,476.9	7,871.9	7,834.4	12,278.1	12,311.3	14,295.0	14,461.1	25,741.0	25,654.0	40,036.0	40,115.2
2005	8,794.8	8,726.1	17,814.5	17,757.9	26,609.4	26,484.0	4,729.7	4,674.7	8,237.3	8,192.3	12,967.0	12,867.0	13,524.6	13,400.7	26,051.8	25,950.3	39,576.4	39,351.0
2006	9,721.4	9,643.3	17,471.9	17,395.1	27,193.3	27,038.4	4,620.7	4,560.7	8,035.1	7,979.6	12,655.8	12,540.4	14,342.1	14,204.0	25,507.0	25,374.7	39,849.1	39,578.8
2007		9,599.0		17,786.5		27,385.5		4,785.3		7,997.8		12,783.1		14,384.3		25,784.3		40,168.6
2008		9,608.1		17,667.2		27,275.3		5,034.4		8,939.8		13,974.1		14,642.5		26,607.0		41,249.4
2009		9,718.5		17,852.1		27,570.6		5,105.0		9,100.4		14,205.3		14,823.5		26,952.4		41,776.0
2010		9,840.9		18,095.8		27,936.7		5,166.4		9,234.9		14,401.2		15,007.3		27,330.7		42,337.9
2011		9,961.9		18,339.2		28,301.1		5,208.0		9,291.3		14,499.3		15,169.9		27,630.5		42,800.4
2012		10,075.2		18,565.3		28,640.5		5,195.6		9,304.3		14,499.9		15,270.8		27,869.5		43,140.4
2013		10,192.8		18,797.4		28,990.3		5,223.6		9,359.1		14,582.8		15,416.5		28,156.5		43,573.0
2014		10,326.8		19,065.0		29,391.9		5,254.3		9,417.9		14,672.2		15,581.1		28,482.9		44,064.0
2015		10,443.2		19,304.9		29,748.1		5,235.3		9,428.9		14,664.2		15,678.5		28,733.7		44,412.3
2016		10,546.8		19,515.9		30,062.6		5,256.8		9,432.8		14,689.5		15,803.5		28,948.6		44,752.2
2017		10,625.9		19,716.8		30,342.7		5,276.5		9,474.4		14,750.8		15,902.4		29,191.2		45,093.6
2018		10,714.9		19,876.2		30,591.1		5,290.5		9,507.0		14,797.5		16,005.4		29,383.1		45,388.6
2019		10,815.8		20,067.9		30,883.7		5,301.1		9,516.4		14,817.4		16,116.9		29,584.2		45,701.1
2020		10,912.5		20,271.8		31,184.3		5,288.3		9,508.3		14,796.5		16,200.8		29,780.0		45,980.8
2021		10,973.2		20,397.3		31,370.4		5,301.9		9,532.1		14,834.0		16,275.0		29,929.4		46,204.5
2022		11,042.7		20,529.3		31,572.0		5,312.7		9,553.1		14,865.8		16,355.4		30,082.4		46,437.8
2023		11,096.3		20,635.3		31,731.6		5,323.1		9,571.8		14,894.9		16,419.5		30,207.1		46,626.5
2024		11,193.5		20,802.0		31,995.4		5,297.7		9,560.9		14,858.6		16,491.2		30,362.9		46,854.1
2025		11,309.0		21,020.1		32,329.0		5,319.8		9,558.6		14,878.4		16,628.8		30,578.6		47,207.4
2026		11,412.3		21,219.9		32,632.3		5,338.5		9,589.9		14,928.4		16,750.9		30,809.8		47,560.7
2027		11,517.9		21,426.4		32,944.4		5,356.9		9,620.4		14,977.3		16,874.9		31,046.8		47,921.7
2028		11,655.0		21,652.4		33,307.4		5,380.3		9,655.8		15,036.1		17,035.3		31,308.2		48,343.5
2029		11,794.1		21,909.5		33,703.6		5,359.6		9,662.8		15,022.4		17,153.7		31,572.4		48,726.0
2030		11,904.6		22,119.9		34,024.5		5,375.0		9,636.6		15,011.6		17,279.5		31,756.5		49,036.1
90-'06	2.5%	2.4%	2.5%	2.5%	2.5%	2.5%	2.0%	1.9%	1.9%	1.8%	1.9%	1.9%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%
07-'10		0.8%		0.6%		0.7%		2.6%		4.9%		4.1%		1.4%		2.0%		1.8%
10-'15		1.2%		1.3%		1.3%		0.3%		0.4%		0.4%		0.9%		1.0%		1.0%
15-'20		0.9%		1.0%		0.9%		0.2%		0.2%		0.2%		0.7%		0.7%		0.7%
20-'25		0.7%		0.7%		0.7%		0.1%		0.1%		0.1%		0.5%		0.5%		0.5%
25-'30		1.0%		1.0%		1.0%		0.2%		0.2%		0.2%		0.8%		0.8%		0.8%
07-'30		0.9%		1.0%		0.9%		0.5%		0.8%		0.7%		0.8%		0.9%		0.9%



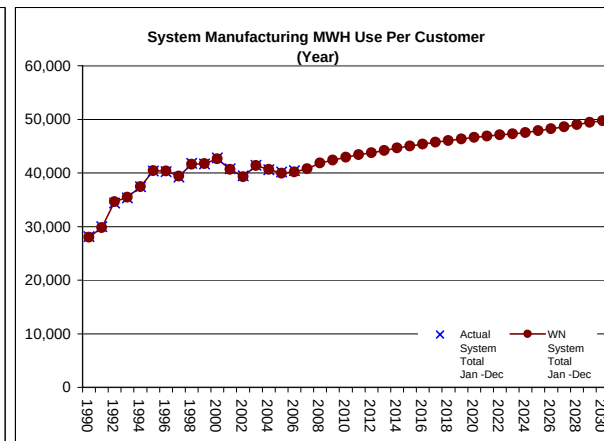
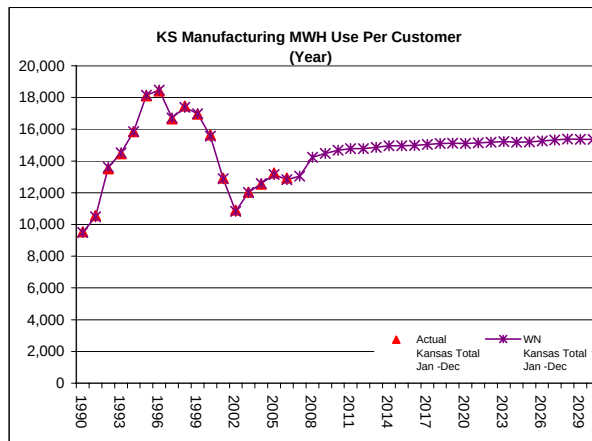
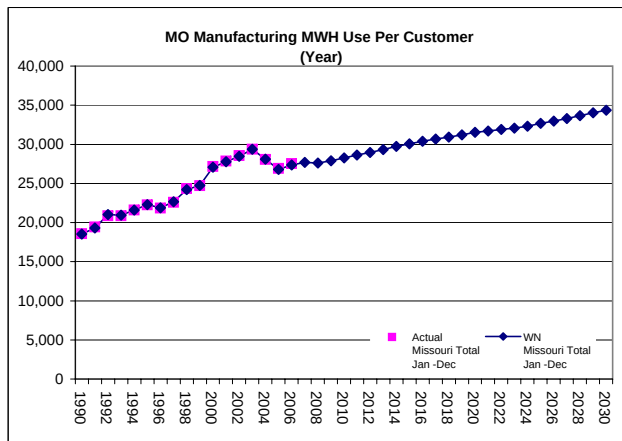
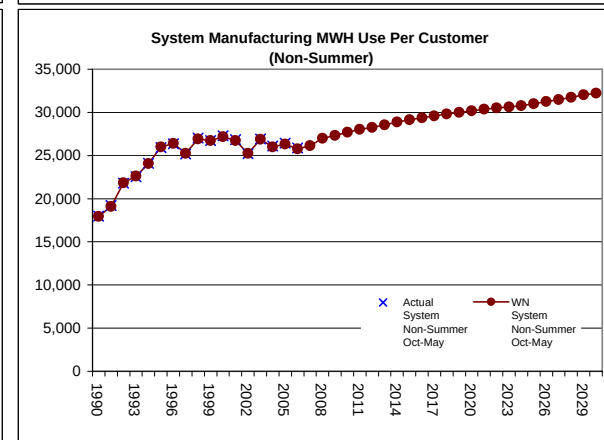
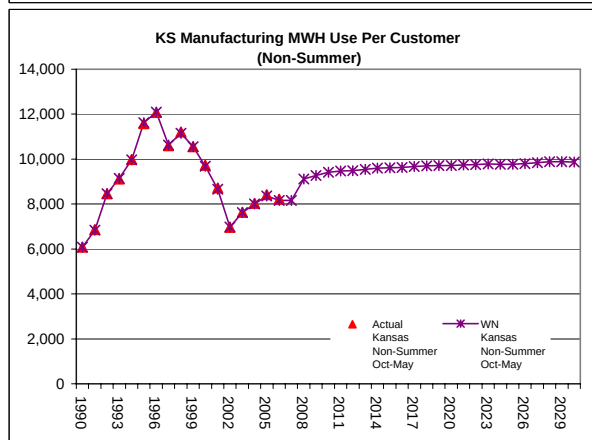
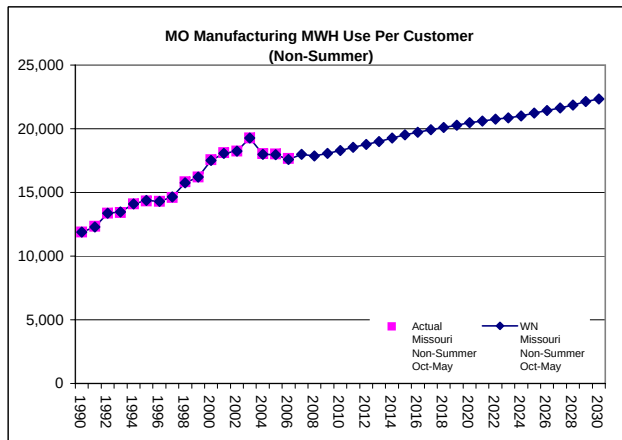
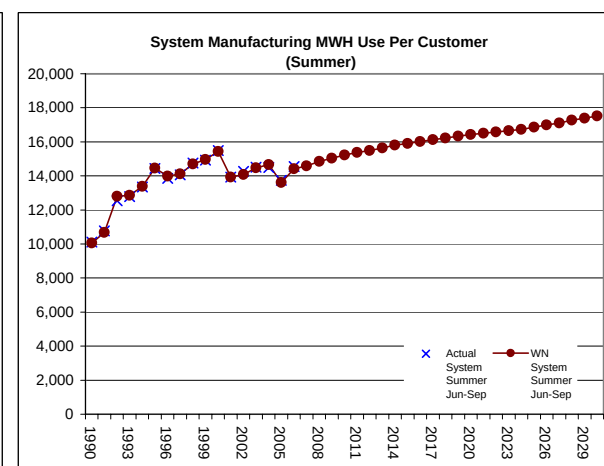
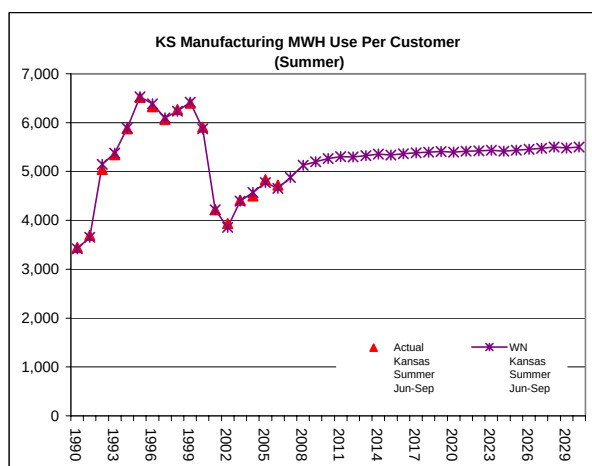
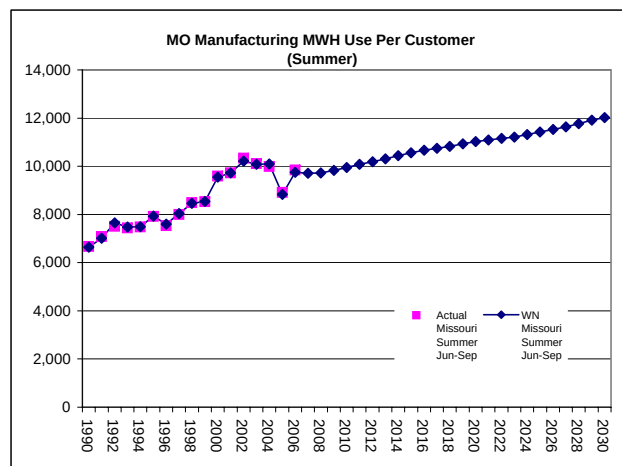
Plot H-46 Missouri & Kansas Manufacturing Other MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System 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
1990	85.3	85.1	146.1	145.5	231.5	230.7	69.5	69.1	115.3	114.7	184.8	183.8	154.8	154.2	261.4	260.3	416.2	414.4
1991	90.4	89.0	149.6	148.9	240.0	237.9	65.8	64.1	108.8	108.1	174.6	172.2	156.2	153.1	258.5	256.9	414.7	410.1
1992	92.4	95.1	161.6	161.8	254.0	256.9	62.4	65.4	110.3	110.5	172.7	175.9	154.8	160.5	272.0	272.3	426.7	432.8
1993	91.9	92.5	164.6	165.7	256.5	258.1	65.1	65.8	112.7	113.7	177.8	179.4	157.0	158.3	277.3	279.3	434.3	437.6
1994	93.1	93.4	169.1	168.9	262.1	262.2	68.7	69.1	120.3	120.2	189.0	189.3	161.8	162.4	289.4	289.1	451.2	451.5
1995	84.9	85.4	158.8	159.6	243.8	244.9	67.5	67.8	112.3	113.1	179.8	180.9	152.4	153.2	271.1	272.7	423.6	425.9
1996	85.9	87.1	152.6	152.8	238.5	239.9	72.0	73.4	124.8	125.0	196.8	198.4	157.9	160.4	277.4	277.8	435.3	438.3
1997	91.6	92.7	160.0	160.3	251.6	253.0	70.2	71.2	131.1	131.4	201.3	202.7	161.7	163.9	291.1	291.7	452.8	455.7
1998	94.4	93.5	162.4	161.7	256.7	255.1	74.4	73.4	128.4	127.3	202.8	200.8	168.8	166.9	290.7	289.0	459.5	455.9
1999	99.9	100.3	168.7	169.3	268.6	269.6	79.5	79.9	127.2	127.5	206.7	207.4	179.4	180.2	295.9	296.8	475.3	477.0
2000	103.8	102.9	181.7	180.7	285.4	283.6	83.3	82.5	142.2	141.5	225.6	223.9	187.1	185.4	323.9	322.2	511.0	507.6
2001	100.3	100.1	177.5	176.6	277.9	276.7	83.3	83.2	146.4	145.9	229.7	229.0	183.6	183.3	323.9	322.5	507.6	505.7
2002	100.7	99.0	173.4	173.6	274.0	272.6	88.9	87.0	153.5	153.3	242.4	240.4	189.5	186.0	326.9	326.9	516.5	512.9
2003	95.5	95.0	177.3	177.1	272.8	272.1	89.5	89.0	160.1	160.2	249.6	249.1	185.0	184.0	337.4	337.3	522.4	521.3
2004	102.1	104.1	179.5	179.2	281.6	283.3	93.4	95.3	165.8	165.1	259.2	260.4	195.5	199.4	345.3	344.3	540.8	543.7
2005	114.4	112.9	196.8	195.7	311.2	308.7	100.4	99.0	173.1	171.9	273.5	271.0	214.8	212.0	369.9	367.7	584.7	579.6
2006	115.3	112.8	201.0	201.5	316.3	314.3	99.8	97.7	175.5	174.6	275.3	272.4	215.1	210.5	376.5	376.1	591.6	586.6
2007		113.1		203.6		316.7		95.0		169.3		264.3		208.1		373.0		581.1
2008		113.2		202.6		315.8		96.0		172.0		268.0		209.2		374.6		583.8
2009		113.6		203.4		317.0		97.1		174.1		271.2		210.7		377.6		588.3
2010		113.9		204.4		318.3		98.1		176.3		274.4		212.0		380.7		592.7
2011		114.2		205.4		319.5		99.1		178.5		277.7		213.3		383.9		597.2
2012		114.5		206.3		320.8		100.2		180.8		281.0		214.7		387.1		601.8
2013		114.9		207.4		322.3		101.3		183.1		284.4		216.2		390.5		606.7
2014		115.4		208.7		324.1		102.4		185.5		287.9		217.8		394.2		612.1
2015		115.8		209.9		325.8		103.6		187.9		291.5		219.4		397.8		617.2
2016		116.2		211.0		327.2		104.7		190.3		295.0		220.9		401.3		622.2
2017		116.5		212.0		328.4		105.8		192.7		298.6		222.3		404.7		627.0
2018		116.7		212.7		329.3		107.0		195.2		302.1		223.7		407.8		631.5
2019		117.1		213.6		330.7		108.2		197.7		305.9		225.3		411.3		636.5
2020		117.4		214.6		332.1		109.4		200.2		309.6		226.8		414.8		641.7
2021		117.5		214.9		332.4		110.6		202.7		313.3		228.1		417.6		645.7
2022		117.5		215.1		332.6		111.9		205.2		317.1		229.4		420.3		649.6
2023		117.5		215.2		332.7		113.1		207.7		320.9		230.6		422.9		653.5
2024		117.8		215.6		333.4		114.4		210.4		324.8		232.2		426.0		658.2
2025		118.1		216.3		334.5		115.8		213.1		328.8		233.9		429.4		663.3
2026		118.4		216.9		335.3		117.1		215.8		332.9		235.5		432.7		668.3
2027		118.7		217.6		336.3		118.5		218.5		337.1		237.3		436.1		673.4
2028		119.1		218.3		337.5		120.0		221.4		341.3		239.1		439.7		678.8
2029		119.6		219.2		338.7		121.5		224.2		345.7		241.0		443.4		684.4
2030		119.7		219.5		339.2		122.9		227.1		350.0		242.6		446.5		689.2
90-'06	1.9%	1.8%	2.0%	2.1%	2.0%	2.0%	2.3%	2.2%	2.7%	2.7%	2.5%	2.5%	2.1%	2.0%	2.3%	2.3%	2.2%	2.2%
07-'10		0.2%		0.1%		0.2%		1.1%		1.4%		1.3%		0.6%		0.7%		0.7%
10-'15		0.3%		0.5%		0.5%		1.1%		1.3%		1.2%		0.7%		0.9%		0.8%
15-'20		0.3%		0.4%		0.4%		1.1%		1.3%		1.2%		0.7%		0.8%		0.8%
20-'25		0.1%		0.2%		0.1%		1.1%		1.3%		1.2%		0.6%		0.7%		0.7%
25-'30		0.3%		0.3%		0.3%		1.2%		1.3%		1.3%		0.7%		0.8%		0.8%
07-'30		0.2%		0.3%		0.3%		1.1%		1.3%		1.2%		0.7%		0.8%		0.7%



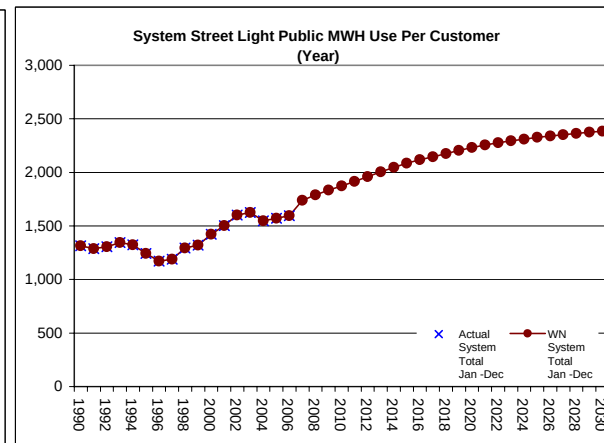
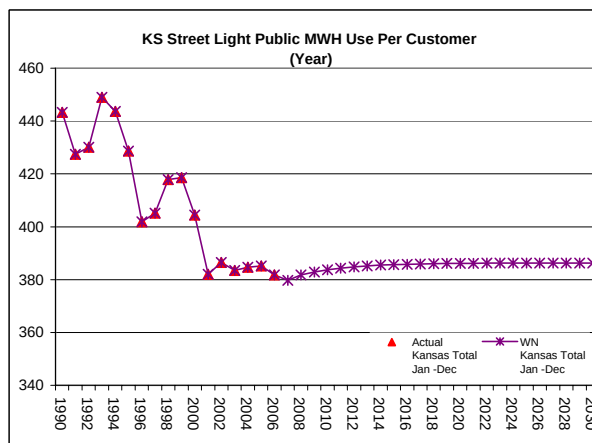
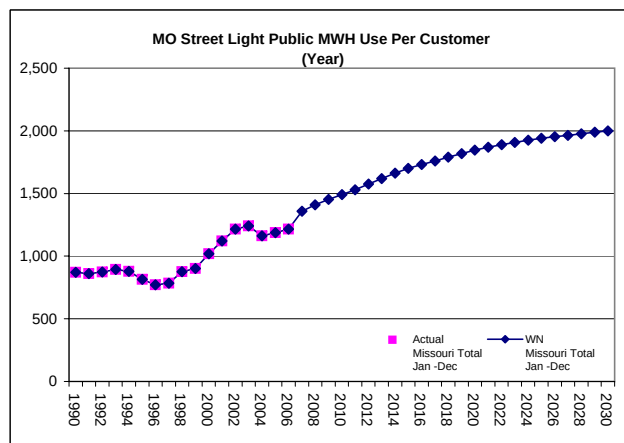
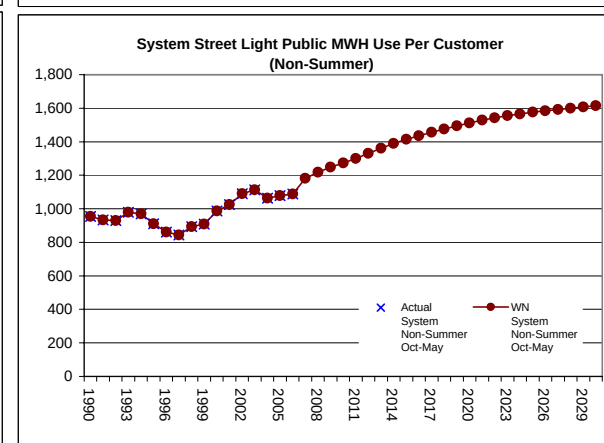
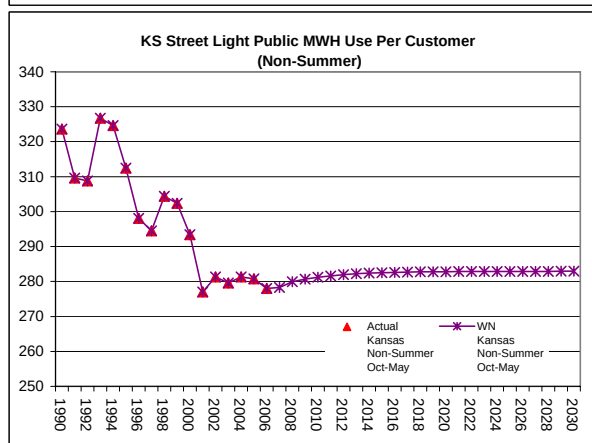
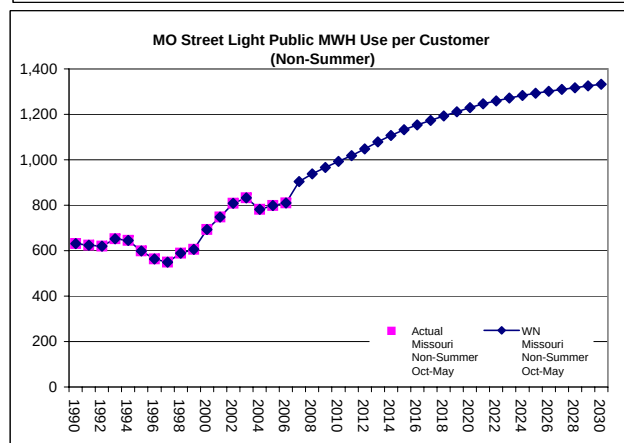
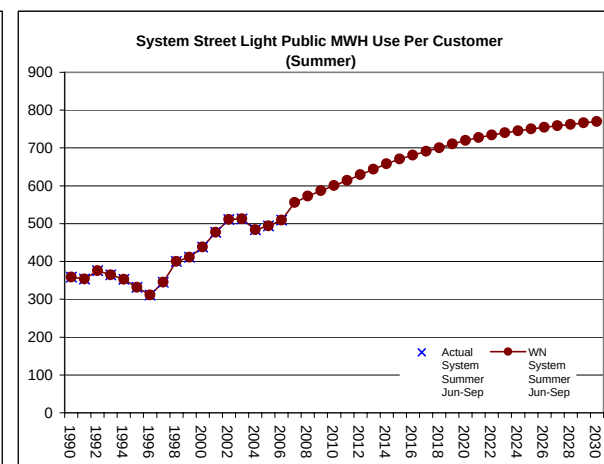
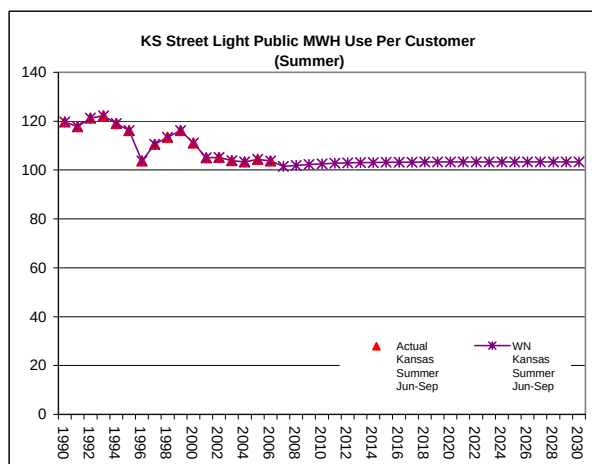
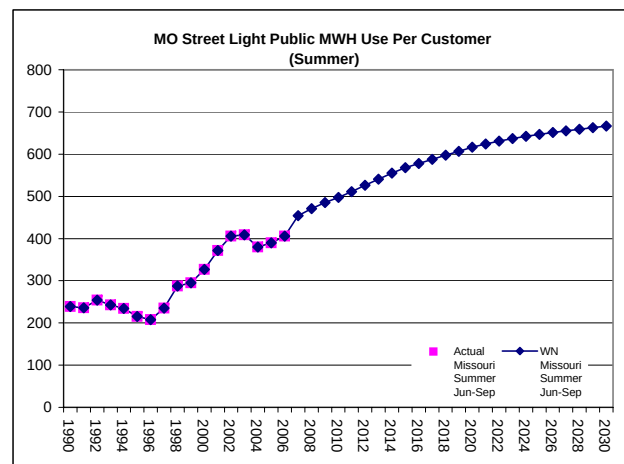
Plot H-47 Missouri & Kansas Manufacturing MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System Total Jan -Dec
1990	6,673.7	6,641.6	11,890.9	11,883.3	18,564.6	18,524.9	3,443.5	3,421.3	6,082.8	6,075.0	9,526.3	9,496.3	10,117.3	10,062.9	17,973.7	17,958.3	28,090.9	28,021.2
1991	7,078.5	7,017.8	12,329.8	12,277.2	19,408.3	19,295.0	3,694.7	3,650.8	6,868.3	6,831.1	10,563.0	10,481.9	10,773.2	10,668.6	19,198.1	19,108.2	29,971.3	29,776.8
1992	7,505.4	7,648.9	13,354.7	13,361.9	20,860.1	21,010.8	5,040.6	5,148.3	8,459.8	8,465.1	13,500.3	13,613.4	12,546.0	12,797.1	21,814.4	21,827.0	34,360.5	34,624.2
1993	7,442.4	7,484.6	13,424.5	13,470.4	20,866.9	20,955.1	5,342.2	5,373.5	9,109.2	9,144.3	14,451.3	14,517.8	12,784.6	12,858.1	22,533.7	22,614.7	35,318.3	35,472.9
1994	7,473.9	7,492.4	14,103.0	14,088.0	21,576.9	21,580.5	5,871.7	5,885.8	9,980.3	9,969.8	15,852.0	15,855.6	13,345.6	13,378.2	24,083.3	24,057.8	37,428.9	37,436.0
1995	7,919.6	7,930.8	14,326.3	14,367.7	22,245.9	22,298.5	6,515.0	6,525.4	11,585.6	11,619.7	18,100.6	18,145.1	14,434.6	14,456.1	25,911.9	25,987.5	40,346.5	40,443.6
1996	7,530.3	7,595.5	14,291.7	14,303.7	21,821.9	21,899.2	6,328.4	6,383.5	12,079.7	12,091.7	18,408.1	18,475.2	13,858.7	13,979.1	26,371.3	26,395.3	40,230.0	40,374.4
1997	7,995.7	8,030.3	14,598.2	14,637.9	22,593.9	22,668.1	6,063.2	6,093.9	10,589.5	10,621.2	16,652.8	16,715.1	14,059.0	14,124.1	25,187.7	25,259.1	39,246.7	39,383.2
1998	8,488.1	8,456.4	15,827.2	15,757.9	24,315.3	24,214.2	6,263.9	6,236.8	11,205.0	11,149.4	17,468.9	17,386.2	14,752.0	14,693.1	27,032.2	26,907.3	41,784.2	41,600.4
1999	8,527.4	8,547.3	16,194.5	16,194.2	24,721.8	24,741.5	6,399.2	6,417.0	10,554.9	10,554.8	16,954.1	16,971.8	14,926.6	14,964.3	26,749.3	26,749.0	41,675.9	41,713.3
2000	9,591.2	9,555.2	17,572.1	17,510.7	27,163.3	27,065.9	5,906.8	5,875.3	9,731.1	9,682.3	15,637.8	15,557.6	15,498.0	15,430.5	27,303.1	27,193.0	42,801.1	42,623.4
2001	9,716.3	9,720.1	18,116.8	18,057.3	27,833.1	27,777.4	4,216.7	4,217.8	8,710.3	8,665.4	12,927.0	12,883.1	13,933.1	13,937.9	26,827.1	26,722.7	40,760.2	40,660.6
2002	10,328.8	10,217.7	18,231.0	18,253.2	28,559.8	28,470.9	3,933.5	3,855.4	6,965.5	6,978.6	10,899.0	10,834.0	14,262.3	14,073.1	25,196.5	25,231.8	39,458.8	39,305.0
2003	10,103.4	10,082.9	19,278.8	19,265.2	29,382.2	29,348.1	4,411.3	4,394.8	7,628.9	7,619.5	12,040.2	12,014.2	14,514.7	14,477.7	26,907.7	26,884.6	41,422.4	41,362.3
2004	9,990.9	10,088.4	18,048.6	17,998.8	28,039.5	28,087.2	4,499.6	4,572.2	8,037.7	7,999.5	12,537.3	12,571.7	14,490.5	14,660.5	26,086.3	25,998.3	40,576.8	40,658.9
2005	8,909.3	8,839.0	18,011.4	17,953.7	26,920.6	26,792.7	4,830.1	4,773.7	8,410.4	8,364.2	13,240.5	13,137.9	13,739.4	13,612.7	26,421.8	26,317.9	40,161.1	39,930.6
2006	9,836.6	9,756.1	17,672.9	17,596.6	27,509.5	27,352.7	4,720.5	4,658.5	8,210.6	8,154.3	12,931.2	12,812.7	14,557.1	14,414.6	25,883.5	25,750.8	40,440.7	40,165.4
2007		9,712.1		17,990.1		27,702.3		4,880.3		8,167.2		13,047.4		14,592.4		26,157.3		40,749.7
2008		9,721.3		17,869.8		27,591.1		5,130.4		9,111.7		14,242.1		14,851.7		26,981.6		41,833.2
2009		9,832.1		18,055.5		27,887.7		5,202.1		9,274.5		14,476.6		15,034.2		27,330.0		42,364.2
2010		9,954.8		18,300.2		28,255.0		5,264.5		9,411.2		14,675.6		15,219.3		27,711.4		42,930.6
2011		10,076.1		18,544.6		28,620.6		5,307.2		9,469.9		14,777.0		15,383.2		28,014.4		43,397.6
2012		10,189.7		18,771.6		28,961.3		5,295.8		9,485.1		14,780.9		15,485.6		28,256.6		43,742.2
2013		10,307.7		19,004.8		29,312.5		5,324.9		9,542.2		14,867.2		15,632.7		28,547.0		44,179.7
2014		10,442.2		19,273.8		29,716.0		5,356.7		9,603.4		14,960.1		15,799.0		28,877.2		44,676.1
2015		10,559.0		19,514.8		30,073.8		5,338.9		9,616.8		14,955.7		15,897.9		29,131.6		45,029.5
2016		10,663.0		19,726.9		30,389.8		5,361.5		9,623.1		14,984.5		16,024.4		29,349.9		45,374.3
2017		10,742.4		19,928.8		30,671.2		5,382.3		9,667.1		15,049.4		16,124.7		29,595.9		45,720.6
2018		10,831.6		20,088.8		30,920.4		5,397.5		9,702.1		15,099.6		16,229.1		29,791.0		46,020.0
2019		10,932.9		20,281.5		31,214.3		5,409.2		9,714.0		15,123.3		16,342.1		29,995.5		46,337.6
2020		11,030.0		20,486.4		31,516.4		5,397.7		9,708.5		15,106.1		16,427.6		30,194.9		46,622.5
2021		11,090.7		20,612.2		31,702.8		5,412.5		9,734.8		15,147.3		16,503.2		30,347.0		46,850.2
2022		11,160.3		20,744.3		31,904.6		5,424.5		9,758.3		15,182.9		16,584.8		30,502.7		47,087.5
2023		11,213.9		20,850.5		32,064.3		5,436.2		9,779.5		15,215.8		16,650.1		30,630.0		47,280.1
2024		11,311.3		21,017.6		32,328.8		5,412.1		9,771.3		15,183.4		16,723.4		30,788.8		47,512.2
2025		11,427.1		21,236.4		32,663.5		5,435.6		9,771.6		15,207.2		16,862.7		31,008.0		47,870.7
2026		11,530.7		21,436.9		32,967.6		5,455.6		9,805.7		15,261.3		16,986.4		31,242.5		48,228.9
2027		11,636.7		21,644.0		33,280.7		5,475.5		9,838.9		15,314.4		17,112.1		31,482.9		48,595.1
2028		11,774.1		21,870.7		33,644.8		5,500.3		9,877.2		15,377.5		17,274.4		31,747.9		49,022.3
2029		11,913.7		22,128.7		34,042.4		5,481.0		9,887.1		15,368.1		17,394.7		32,015.8		49,410.5
2030		12,024.3		22,339.4		34,363.7		5,497.9		9,863.7		15,361.6		17,522.2		32,203.1		49,725.2
90-'06	2.5%	2.4%	2.5%	2.5%	2.5%	2.5%	2.0%	1.9%	1.9%	1.9%	1.9%	1.9%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%
07-'10		0.8%		0.6%		0.7%		2.6%		4.8%		4.0%		1.4%		1.9%		1.8%
10-'15		1.2%		1.3%		1.3%		0.3%		0.4%		0.4%		0.9%		1.0%		1.0%
15-'20		0.9%		1.0%		0.9%		0.2%		0.2%		0.2%		0.7%		0.7%		0.7%
20-'25		0.7%		0.7%		0.7%		0.1%		0.1%		0.1%		0.5%		0.5%		0.5%
25-'30		1.0%		1.0%		1.0%		0.2%		0.2%		0.2%		0.8%		0.8%		0.8%
07-'30		0.9%		0.9%		0.9%		0.5%		0.8%		0.7%		0.8%		0.9%		0.9%



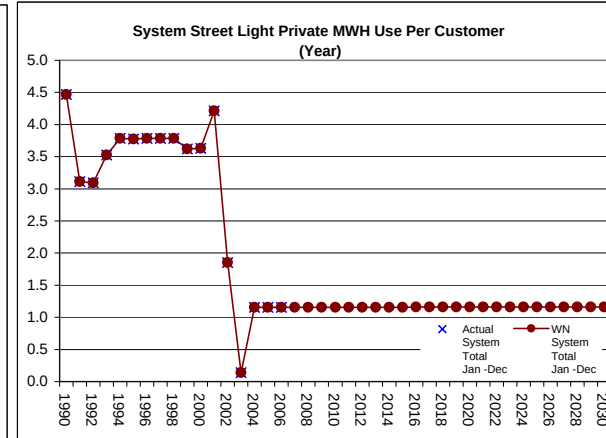
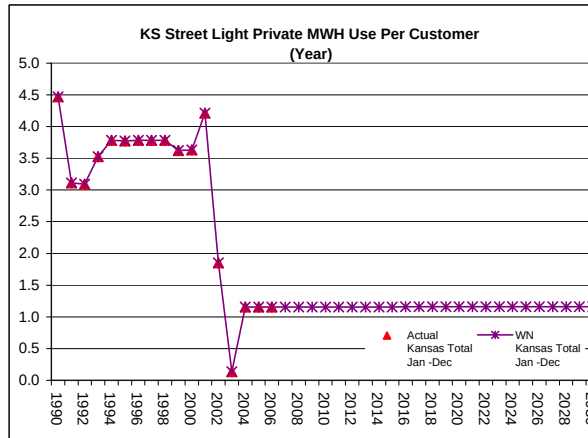
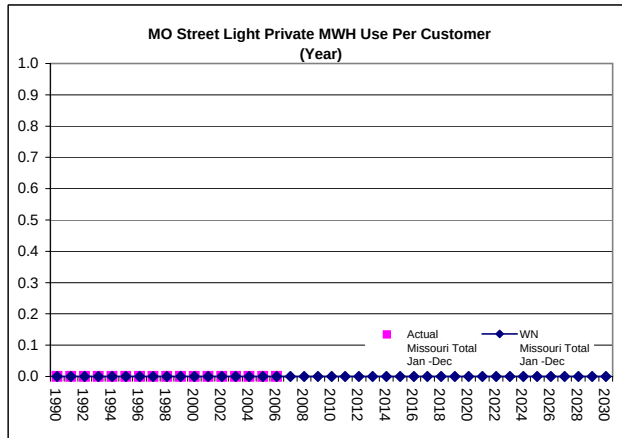
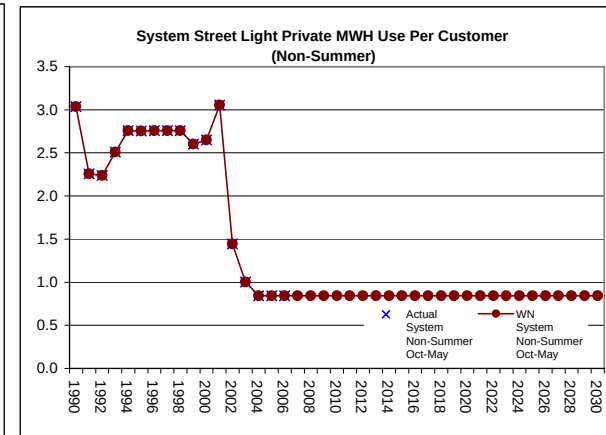
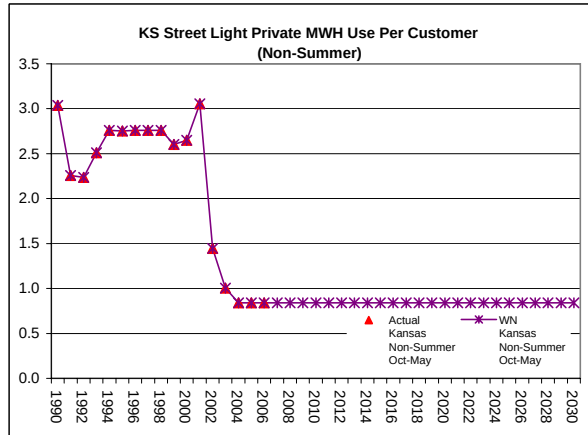
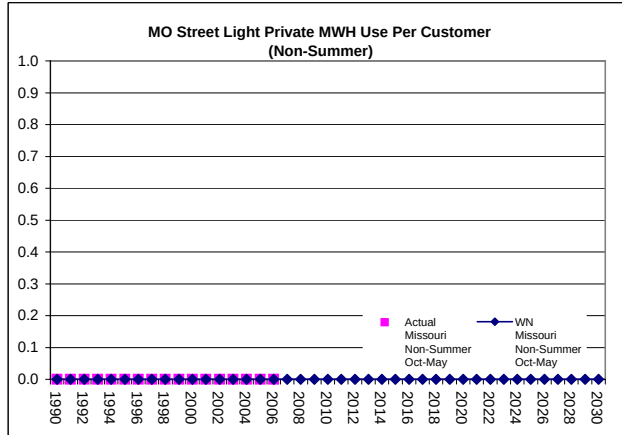
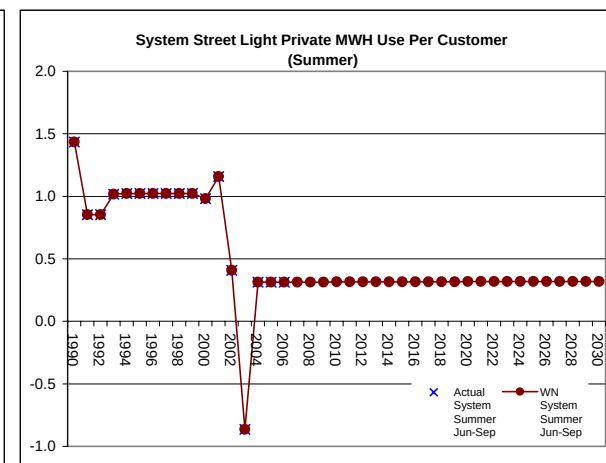
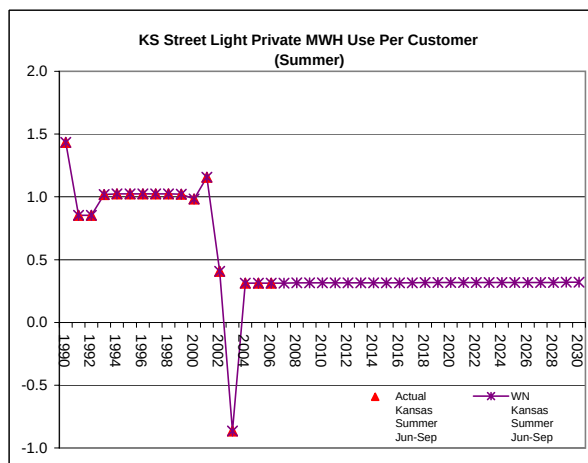
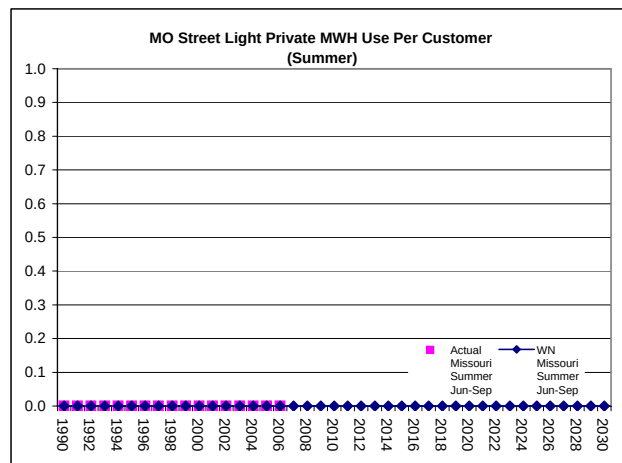
**Plot H-48 Missouri & Kansas Street Light Public MWH Use Per Customer
(Actual vs. Weather Normalized)**

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	238.8	238.8	631.4	631.4	870.2	870.2	119.7	119.7	323.6	323.6	443.3	443.3	358.6	358.6	955.0	955.0	1,313.5	1,313.5
1991	236.1	236.1	624.2	624.2	860.3	860.3	117.8	117.8	309.6	309.6	427.4	427.4	353.9	353.9	933.8	933.8	1,287.7	1,287.7
1992	254.3	254.3	620.1	620.1	874.4	874.4	121.3	121.3	308.8	308.8	430.0	430.0	375.6	375.6	928.8	928.8	1,304.4	1,304.4
1993	242.3	242.3	652.6	652.6	894.9	894.9	122.2	122.2	326.7	326.7	449.0	449.0	364.6	364.6	979.3	979.3	1,343.9	1,343.9
1994	234.0	234.0	644.7	644.7	878.8	878.8	119.0	119.0	324.6	324.6	443.6	443.6	353.1	353.1	969.3	969.3	1,322.4	1,322.4
1995	215.5	215.5	598.2	598.2	813.7	813.7	116.2	116.2	312.4	312.4	428.7	428.7	331.7	331.7	910.7	910.7	1,242.4	1,242.4
1996	207.6	207.6	562.7	562.7	770.3	770.3	103.7	103.7	298.1	298.1	401.8	401.8	311.3	311.3	860.8	860.8	1,172.2	1,172.2
1997	234.9	234.9	549.1	549.1	784.0	784.0	110.6	110.6	294.5	294.5	405.1	405.1	345.4	345.4	843.7	843.7	1,189.1	1,189.1
1998	287.1	287.1	588.7	588.7	875.7	875.7	113.5	113.5	304.4	304.4	417.9	417.9	400.5	400.5	893.1	893.1	1,293.6	1,293.6
1999	295.1	295.1	606.3	606.3	901.4	901.4	116.2	116.2	302.4	302.4	418.5	418.5	411.2	411.2	908.7	908.7	1,319.9	1,319.9
2000	326.7	326.7	692.6	692.6	1,019.3	1,019.3	111.1	111.1	293.4	293.4	404.5	404.5	437.8	437.8	986.0	986.0	1,423.7	1,423.7
2001	371.9	371.9	748.6	748.6	1,120.4	1,120.4	105.0	105.0	277.0	277.0	382.0	382.0	476.9	476.9	1,025.6	1,025.6	1,502.5	1,502.5
2002	406.0	406.0	808.7	808.7	1,214.7	1,214.7	105.1	105.1	281.3	281.3	386.5	386.5	511.2	511.2	1,090.0	1,090.0	1,601.2	1,601.2
2003	408.9	408.9	832.5	832.5	1,241.3	1,241.3	103.9	103.9	279.6	279.6	383.5	383.5	512.8	512.8	1,112.1	1,112.1	1,624.9	1,624.9
2004	380.1	380.1	782.1	782.1	1,162.2	1,162.2	103.4	103.4	281.3	281.3	384.6	384.6	483.4	483.4	1,063.4	1,063.4	1,546.9	1,546.9
2005	389.4	389.4	798.4	798.4	1,187.8	1,187.8	104.4	104.4	280.8	280.8	385.1	385.1	493.8	493.8	1,079.1	1,079.1	1,572.9	1,572.9
2006	405.5	405.5	809.2	809.2	1,214.7	1,214.7	103.7	103.7	278.0	278.0	381.7	381.7	509.3	509.3	1,087.2	1,087.2	1,596.5	1,596.5
2007		454.6		903.8		1,358.4		101.4		278.3		379.7		556.0		1,182.1		1,738.1
2008		471.0		937.7		1,408.7		101.9		279.9		381.8		572.9		1,217.6		1,790.5
2009		485.1		966.8		1,451.9		102.3		280.6		382.9		587.3		1,247.4		1,834.8
2010		497.8		992.4		1,490.2		102.5		281.2		383.7		600.3		1,273.6		1,873.9
2011		511.0		1,018.8		1,529.8		102.7		281.6		384.4		613.7		1,300.4		1,914.2
2012		526.2		1,048.3		1,574.5		102.9		281.9		384.8		629.1		1,330.3		1,959.3
2013		541.0		1,078.5		1,619.5		103.0		282.2		385.2		644.0		1,360.7		2,004.7
2014		555.1		1,106.6		1,661.7		103.1		282.4		385.5		658.2		1,389.0		2,047.1
2015		567.8		1,132.4		1,700.2		103.2		282.5		385.7		671.0		1,414.9		2,085.9
2016		578.0		1,153.6		1,731.6		103.2		282.6		385.8		681.2		1,436.2		2,117.4
2017		587.7		1,172.9		1,760.5		103.3		282.7		385.9		690.9		1,455.5		2,146.4
2018		597.3		1,192.3		1,789.6		103.3		282.7		386.0		700.6		1,475.0		2,175.6
2019		606.9		1,211.3		1,818.2		103.3		282.8		386.1		710.2		1,494.1		2,204.3
2020		616.1		1,229.9		1,846.0		103.3		282.8		386.1		719.5		1,512.7		2,232.1
2021		623.9		1,245.9		1,869.8		103.3		282.8		386.2		727.2		1,528.7		2,256.0
2022		630.7		1,259.7		1,890.4		103.3		282.9		386.2		734.0		1,542.6		2,276.6
2023		636.7		1,271.9		1,908.6		103.3		282.9		386.2		740.1		1,554.8		2,294.8
2024		641.9		1,282.6		1,924.5		103.4		282.9		386.2		745.3		1,565.5		2,310.8
2025		647.2		1,293.0		1,940.2		103.4		282.9		386.3		750.5		1,575.9		2,326.4
2026		651.4		1,301.8		1,953.2		103.4		282.9		386.3		754.7		1,584.7		2,339.4
2027		655.2		1,309.5		1,964.7		103.4		282.9		386.3		758.6		1,592.4		2,350.9
2028		659.0		1,317.1		1,976.1		103.4		282.9		386.3		762.4		1,600.0		2,362.4
2029		663.1		1,325.1		1,988.1		103.4		282.9		386.3		766.4		1,608.0		2,374.4
2030		666.8		1,332.6		1,999.4		103.4		282.9		386.3		770.1		1,615.5		2,385.7
90-'06	3.4%	3.4%	1.6%	1.6%	2.1%	2.1%	-0.9%	-0.9%	-0.9%	-0.9%	-0.9%	-0.9%	2.2%	2.2%	0.8%	0.8%	1.2%	1.2%
07-'10		3.1%		3.2%		3.1%		0.4%		0.3%		0.4%		2.6%		2.5%		2.5%
10-'15		2.7%		2.7%		2.7%		0.1%		0.1%		0.1%		2.3%		2.1%		2.2%
15-'20		1.6%		1.7%		1.7%		0.0%		0.0%		0.0%		1.4%		1.3%		1.4%
20-'25		1.0%		1.0%		1.0%		0.0%		0.0%		0.0%		0.8%		0.8%		0.8%
25-'30		0.6%		0.6%		0.6%		0.0%		0.0%		0.0%		0.5%		0.5%		0.5%
07-'30		1.7%		1.7%		1.7%		0.1%		0.1%		0.1%		1.4%		1.4%		1.4%



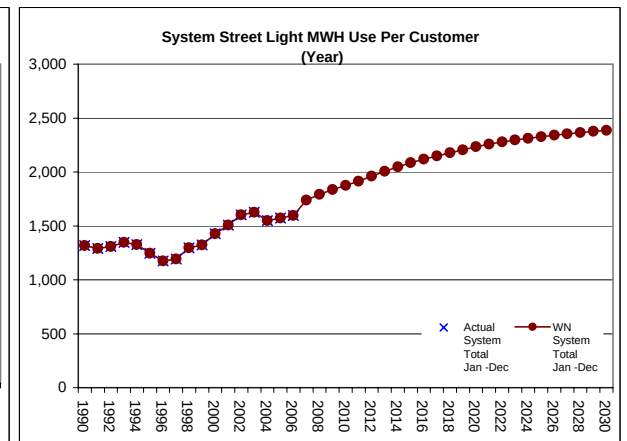
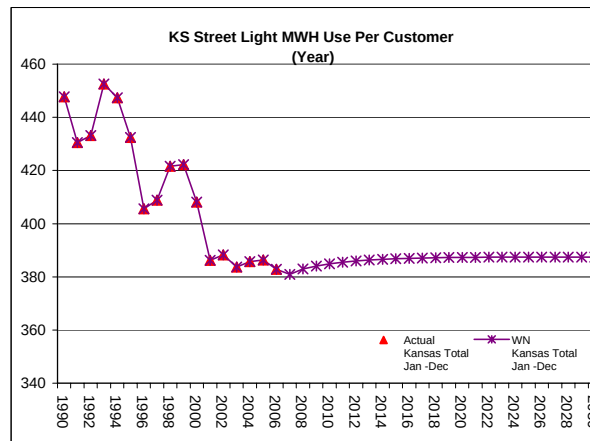
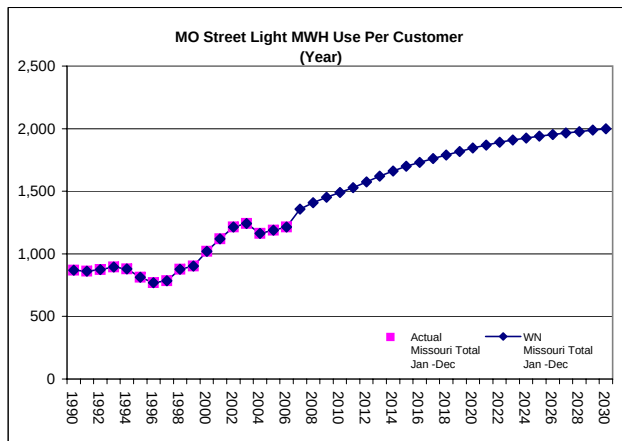
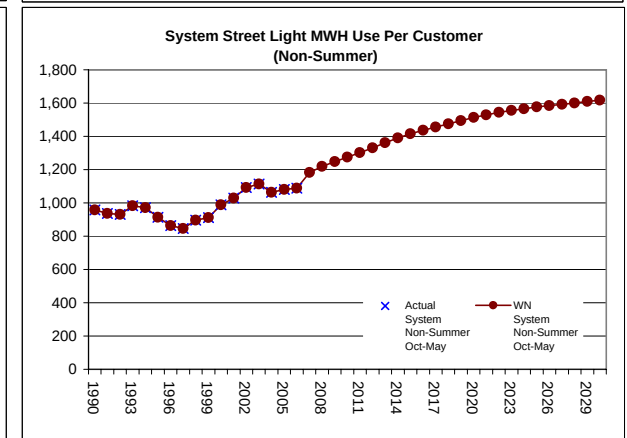
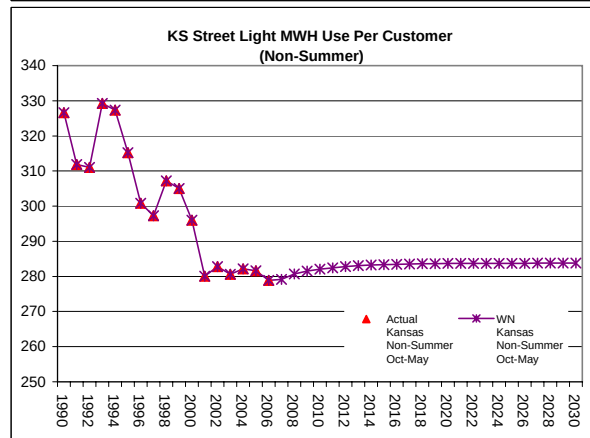
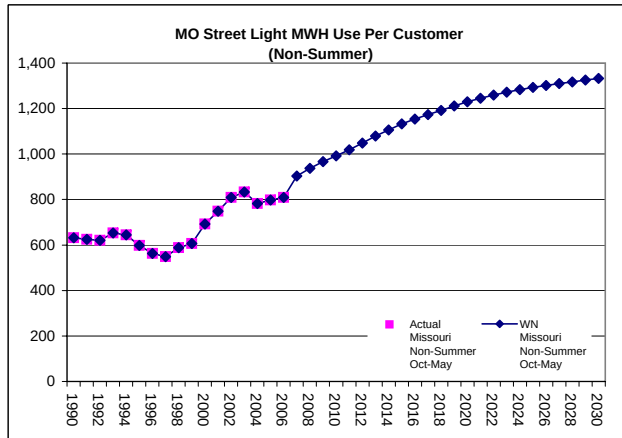
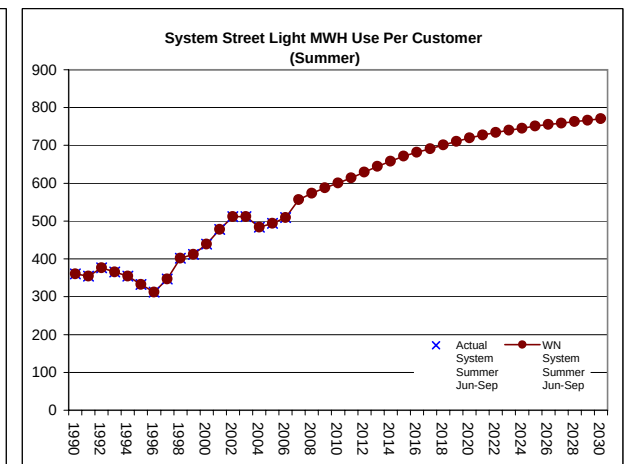
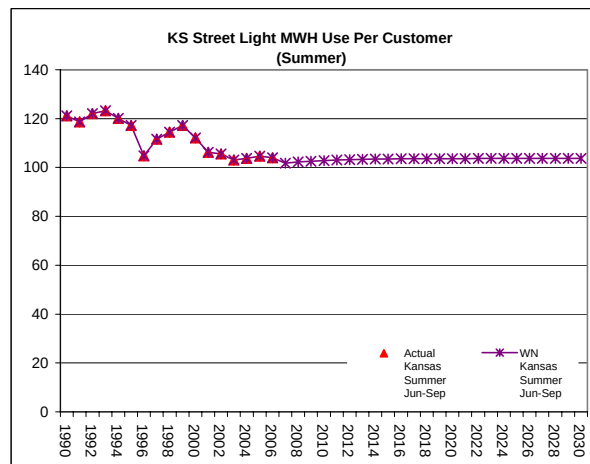
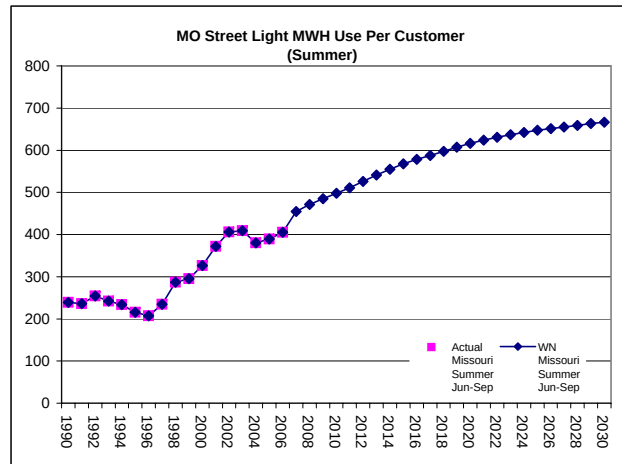
Plot H-49 Missouri & Kansas Street Light Private MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri	Missouri	Missouri	Missouri	Missouri	Missouri	Kansas	Kansas	Kansas	Kansas	Kansas	Kansas	System	System	System	System	System	System
	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
1990	0	0	0	0	0	0	1.43	1.43	3.04	3.04	4.47	4.47	1.43	1.43	3.04	3.04	4.47	4.47
1991	0	0	0	0	0	0	0.85	0.85	2.26	2.26	3.11	3.11	0.85	0.85	2.26	2.26	3.11	3.11
1992	0	0	0	0	0	0	0.85	0.85	2.24	2.24	3.09	3.09	0.85	0.85	2.24	2.24	3.09	3.09
1993	0	0	0	0	0	0	1.02	1.02	2.51	2.51	3.53	3.53	1.02	1.02	2.51	2.51	3.53	3.53
1994	0	0	0	0	0	0	1.02	1.02	2.76	2.76	3.78	3.78	1.02	1.02	2.76	2.76	3.78	3.78
1995	0	0	0	0	0	0	1.02	1.02	2.75	2.75	3.78	3.78	1.02	1.02	2.75	2.75	3.78	3.78
1996	0	0	0	0	0	0	1.02	1.02	2.76	2.76	3.78	3.78	1.02	1.02	2.76	2.76	3.78	3.78
1997	0	0	0	0	0	0	1.02	1.02	2.76	2.76	3.78	3.78	1.02	1.02	2.76	2.76	3.78	3.78
1998	0	0	0	0	0	0	1.02	1.02	2.76	2.76	3.78	3.78	1.02	1.02	2.76	2.76	3.78	3.78
1999	0	0	0	0	0	0	1.02	1.02	2.60	2.60	3.62	3.62	1.02	1.02	2.60	2.60	3.62	3.62
2000	0	0	0	0	0	0	0.98	0.98	2.65	2.65	3.63	3.63	0.98	0.98	2.65	2.65	3.63	3.63
2001	0	0	0	0	0	0	1.16	1.16	3.05	3.05	4.21	4.21	1.16	1.16	3.05	3.05	4.21	4.21
2002	0	0	0	0	0	0	0.41	0.41	1.44	1.44	1.85	1.85	0.41	0.41	1.44	1.44	1.85	1.85
2003	0	0	0	0	0	0	-0.87	-0.87	1.00	1.00	0.14	0.14	-0.87	-0.87	1.00	1.00	0.14	0.14
2004	0	0	0	0	0	0	0.31	0.31	0.84	0.84	1.16	1.16	0.31	0.31	0.84	0.84	1.16	1.16
2005	0	0	0	0	0	0	0.31	0.31	0.84	0.84	1.16	1.16	0.31	0.31	0.84	0.84	1.16	1.16
2006	0	0	0	0	0	0	0.31	0.31	0.84	0.84	1.16	1.16	0.31	0.31	0.84	0.84	1.16	1.16
2007		0		0		0		0.31		0.84		1.16		0.31		0.84		1.16
2008		0		0		0		0.31		0.84		1.16		0.31		0.84		1.16
2009		0		0		0		0.31		0.84		1.16		0.31		0.84		1.16
2010		0		0		0		0.31		0.84		1.16		0.31		0.84		1.16
2011		0		0		0		0.31		0.84		1.16		0.31		0.84		1.16
2012		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2013		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2014		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2015		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2016		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2017		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2018		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2019		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2020		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2021		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2022		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2023		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2024		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2025		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2026		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2027		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2028		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2029		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
2030		0		0		0		0.32		0.84		1.16		0.32		0.84		1.16
90-'06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.1%	-9.1%	-7.7%	-7.7%	-8.1%	-8.1%	-9.1%	-9.1%	-7.7%	-7.7%	-8.1%	-8.1%
07-'10		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
10-'15		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
15-'20		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
20-'25		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
25-'30		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%
07-'30		0.0%		0.0%		0.0%		0.1%		0.0%		0.0%		0.1%		0.0%		0.0%



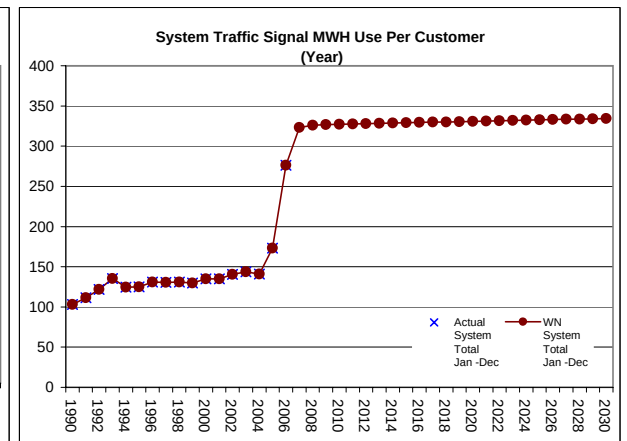
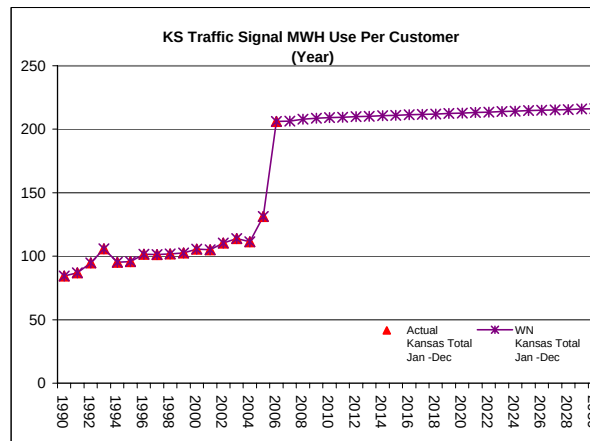
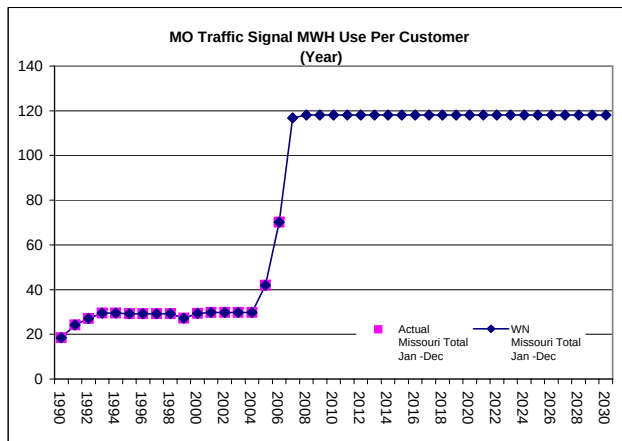
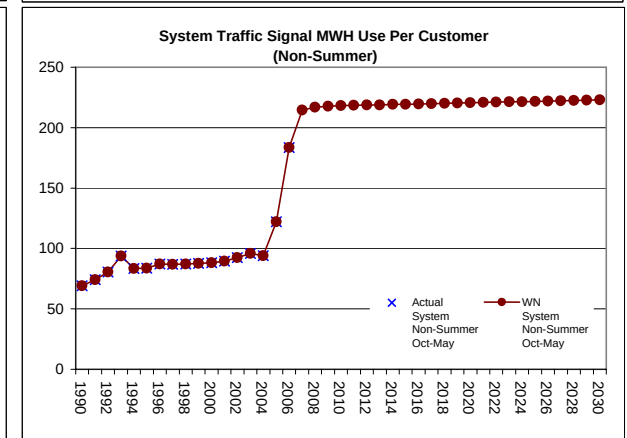
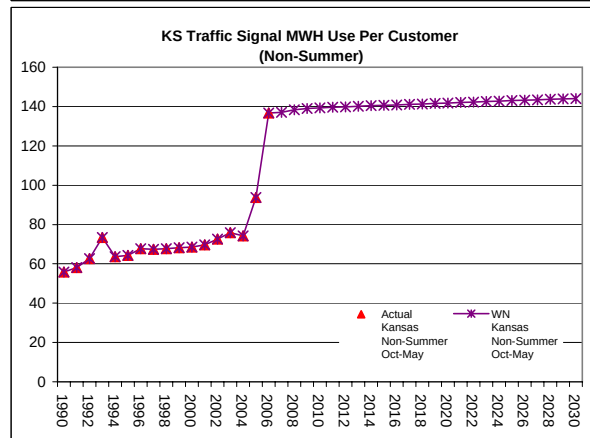
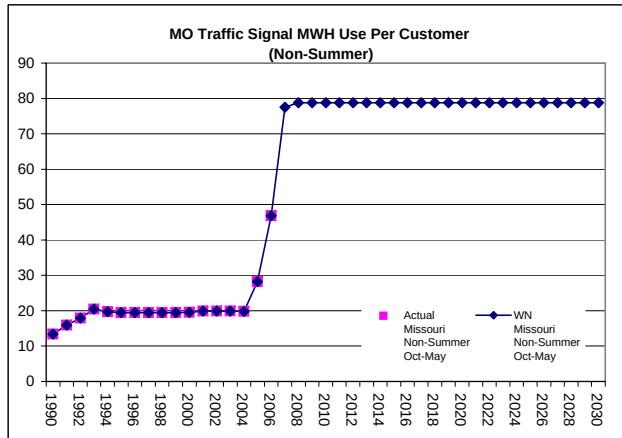
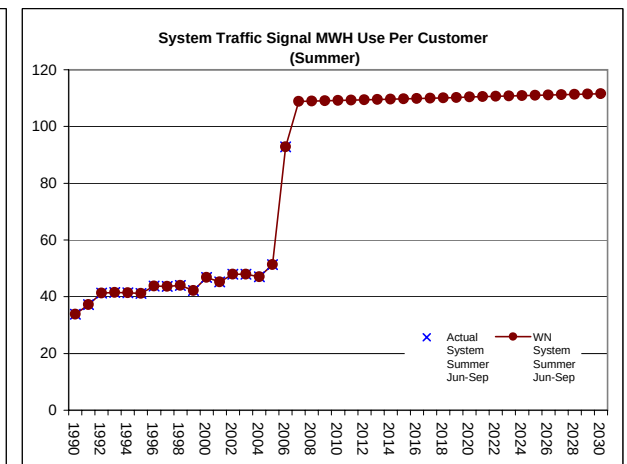
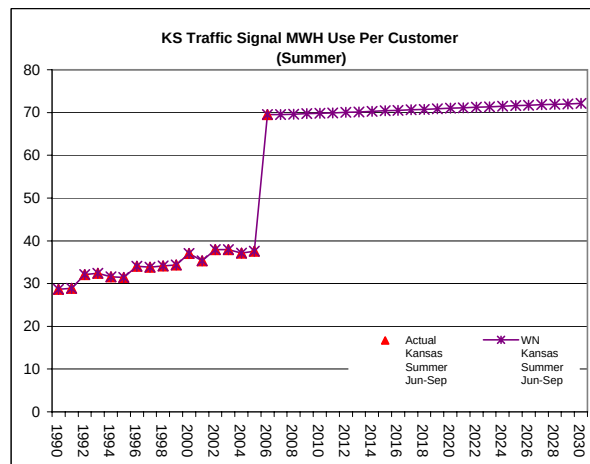
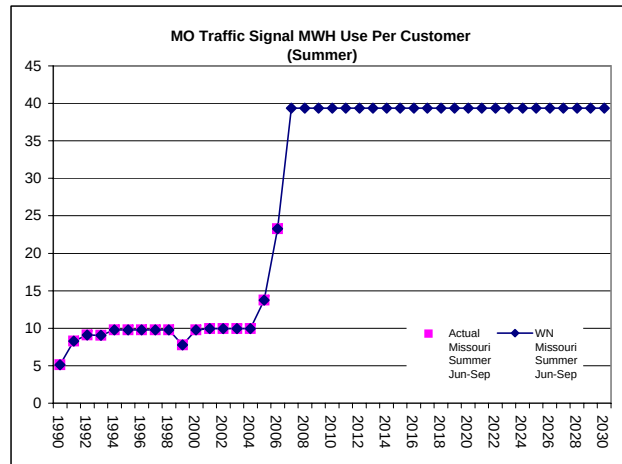
Plot H-50 Missouri & Kansas Street Light MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	238.8	238.8	631.4	631.4	870.2	870.2	121.2	121.2	326.6	326.6	447.8	447.8	360.0	360.0	958.0	958.0	1,318.0	1,318.0
1991	236.1	236.1	624.2	624.2	860.3	860.3	118.6	118.6	311.9	311.9	430.5	430.5	354.7	354.7	936.1	936.1	1,290.8	1,290.8
1992	254.3	254.3	620.1	620.1	874.4	874.4	122.1	122.1	311.0	311.0	433.1	433.1	376.4	376.4	931.1	931.1	1,307.5	1,307.5
1993	242.3	242.3	652.6	652.6	894.9	894.9	123.3	123.3	329.2	329.2	452.5	452.5	365.6	365.6	981.8	981.8	1,347.4	1,347.4
1994	234.0	234.0	644.7	644.7	878.8	878.8	120.0	120.0	327.4	327.4	447.4	447.4	354.1	354.1	972.1	972.1	1,326.2	1,326.2
1995	215.5	215.5	598.2	598.2	813.7	813.7	117.2	117.2	315.2	315.2	432.4	432.4	332.7	332.7	913.4	913.4	1,246.2	1,246.2
1996	207.6	207.6	562.7	562.7	770.3	770.3	104.8	104.8	300.9	300.9	405.6	405.6	312.3	312.3	863.6	863.6	1,175.9	1,175.9
1997	234.9	234.9	549.1	549.1	784.0	784.0	111.6	111.6	297.3	297.3	408.9	408.9	346.5	346.5	846.4	846.4	1,192.9	1,192.9
1998	287.1	287.1	588.7	588.7	875.7	875.7	114.5	114.5	307.2	307.2	421.6	421.6	401.5	401.5	895.8	895.8	1,297.4	1,297.4
1999	295.1	295.1	606.3	606.3	901.4	901.4	117.2	117.2	305.0	305.0	422.2	422.2	412.2	412.2	911.3	911.3	1,323.6	1,323.6
2000	326.7	326.7	692.6	692.6	1,019.3	1,019.3	112.1	112.1	296.0	296.0	408.1	408.1	438.7	438.7	988.6	988.6	1,427.4	1,427.4
2001	371.9	371.9	748.6	748.6	1,120.4	1,120.4	106.2	106.2	280.0	280.0	386.2	386.2	478.1	478.1	1,028.6	1,028.6	1,506.7	1,506.7
2002	406.0	406.0	808.7	808.7	1,214.7	1,214.7	105.5	105.5	282.8	282.8	388.3	388.3	511.6	511.6	1,091.5	1,091.5	1,603.0	1,603.0
2003	408.9	408.9	832.5	832.5	1,241.3	1,241.3	103.1	103.1	280.6	280.6	383.7	383.7	511.9	511.9	1,113.1	1,113.1	1,625.0	1,625.0
2004	380.1	380.1	782.1	782.1	1,162.2	1,162.2	103.7	103.7	282.1	282.1	385.8	385.8	483.7	483.7	1,064.3	1,064.3	1,548.0	1,548.0
2005	389.4	389.4	798.4	798.4	1,187.8	1,187.8	104.7	104.7	281.6	281.6	386.3	386.3	494.1	494.1	1,080.0	1,080.0	1,574.1	1,574.1
2006	405.5	405.5	809.2	809.2	1,214.7	1,214.7	104.0	104.0	278.9	278.9	382.9	382.9	509.6	509.6	1,088.0	1,088.0	1,597.6	1,597.6
2007		454.6		903.8		1,358.4		101.8		279.1		380.9		556.3		1,182.9		1,739.3
2008		471.0		937.7		1,408.7		102.2		280.7		383.0		573.2		1,218.4		1,791.6
2009		485.1		966.8		1,451.9		102.6		281.5		384.1		587.7		1,248.3		1,835.9
2010		497.8		992.4		1,490.2		102.9		282.0		384.9		600.6		1,274.5		1,875.1
2011		511.0		1,018.8		1,529.8		103.1		282.5		385.5		614.0		1,301.3		1,915.3
2012		526.2		1,048.3		1,574.5		103.2		282.8		386.0		629.4		1,331.1		1,960.5
2013		541.0		1,078.5		1,619.5		103.3		283.0		386.4		644.3		1,361.5		2,005.9
2014		555.1		1,106.6		1,661.7		103.4		283.2		386.6		658.5		1,389.8		2,048.3
2015		567.8		1,132.4		1,700.2		103.5		283.3		386.8		671.3		1,415.8		2,087.0
2016		578.0		1,153.6		1,731.6		103.5		283.5		387.0		681.6		1,437.0		2,118.6
2017		587.7		1,172.9		1,760.5		103.6		283.5		387.1		691.2		1,456.4		2,147.6
2018		597.3		1,192.3		1,789.6		103.6		283.6		387.2		700.9		1,475.8		2,176.8
2019		606.9		1,211.3		1,818.2		103.6		283.6		387.3		710.5		1,494.9		2,205.4
2020		616.1		1,229.9		1,846.0		103.6		283.7		387.3		719.8		1,513.5		2,233.3
2021		623.9		1,245.9		1,869.8		103.7		283.7		387.3		727.6		1,529.6		2,257.1
2022		630.7		1,259.7		1,890.4		103.7		283.7		387.4		734.3		1,543.4		2,277.8
2023		636.7		1,271.9		1,908.6		103.7		283.7		387.4		740.4		1,555.6		2,296.0
2024		641.9		1,282.6		1,924.5		103.7		283.7		387.4		745.6		1,566.3		2,311.9
2025		647.2		1,293.0		1,940.2		103.7		283.7		387.4		750.9		1,576.8		2,327.6
2026		651.4		1,301.8		1,953.2		103.7		283.7		387.4		755.1		1,585.5		2,340.6
2027		655.2		1,309.5		1,964.7		103.7		283.8		387.4		758.9		1,593.2		2,352.1
2028		659.0		1,317.1		1,976.1		103.7		283.8		387.4		762.7		1,600.8		2,363.5
2029		663.1		1,325.1		1,988.1		103.7		283.8		387.4		766.7		1,608.8		2,375.6
2030		666.8		1,332.6		1,999.4		103.7		283.8		387.4		770.5		1,616.4		2,386.8
90-'06	3.4%	3.4%	1.6%	1.6%	2.1%	2.1%	-0.9%	-0.9%	-1.0%	-1.0%	-1.0%	-1.0%	2.2%	2.2%	0.8%	0.8%	1.2%	1.2%
07-'10		3.1%		3.2%		3.1%		0.4%		0.3%		0.4%		2.6%		2.5%		2.5%
10-'15		2.7%		2.7%		2.7%		0.1%		0.1%		0.1%		2.3%		2.1%		2.2%
15-'20		1.6%		1.7%		1.7%		0.0%		0.0%		0.0%		1.4%		1.3%		1.4%
20-'25		1.0%		1.0%		1.0%		0.0%		0.0%		0.0%		0.8%		0.8%		0.8%
25-'30		0.6%		0.6%		0.6%		0.0%		0.0%		0.0%		0.5%		0.5%		0.5%
07-'30		1.7%		1.7%		1.7%		0.1%		0.1%		0.1%		1.4%		1.4%		1.4%



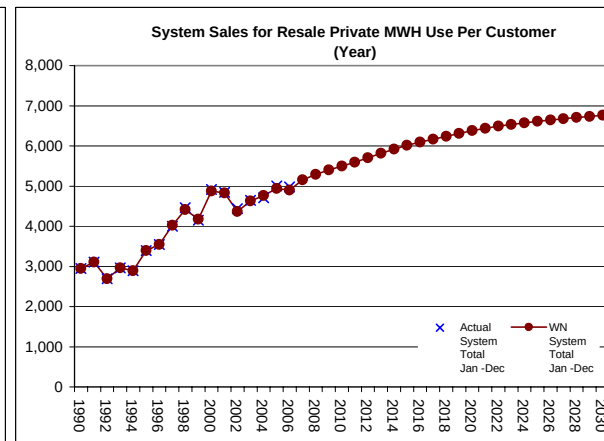
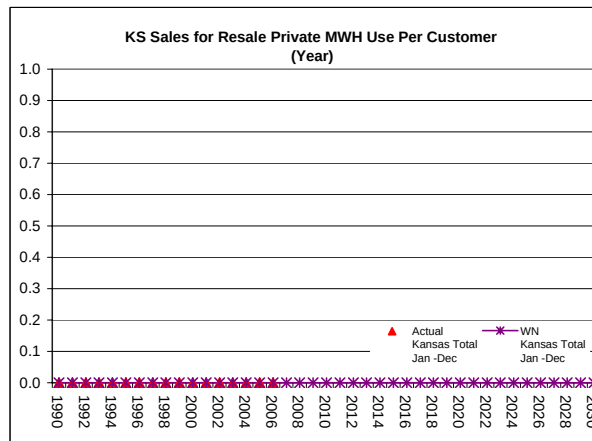
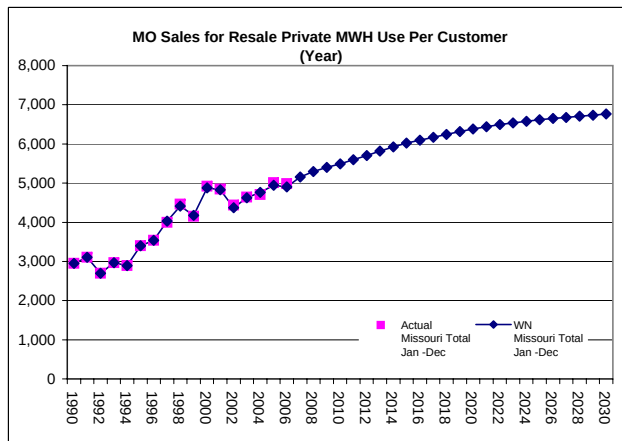
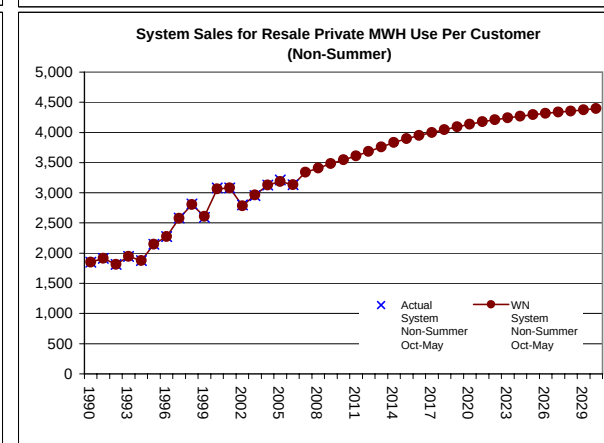
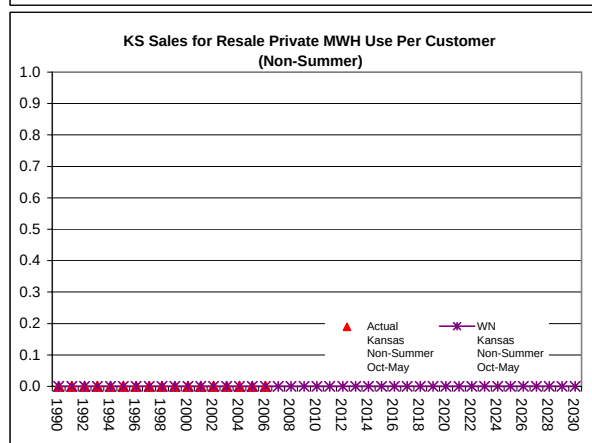
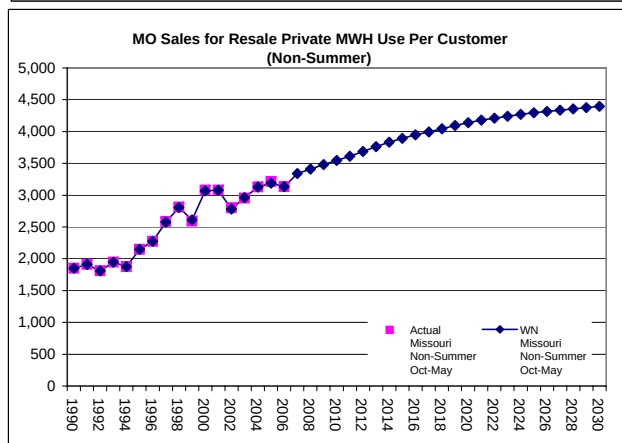
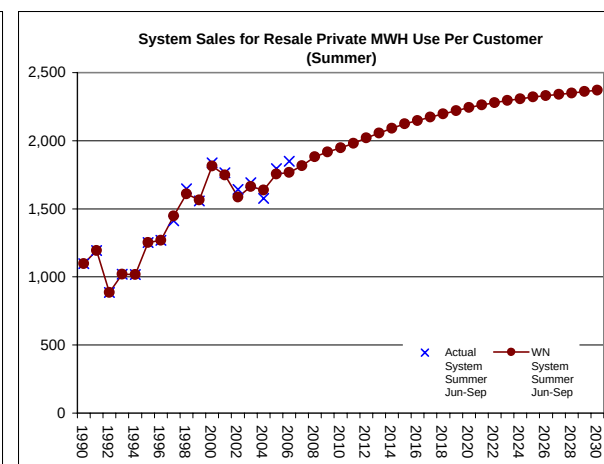
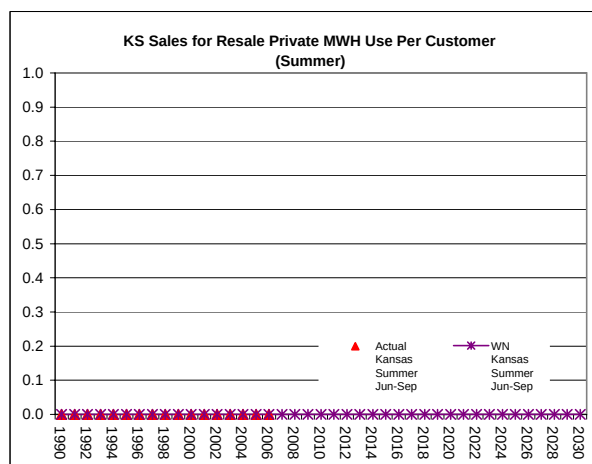
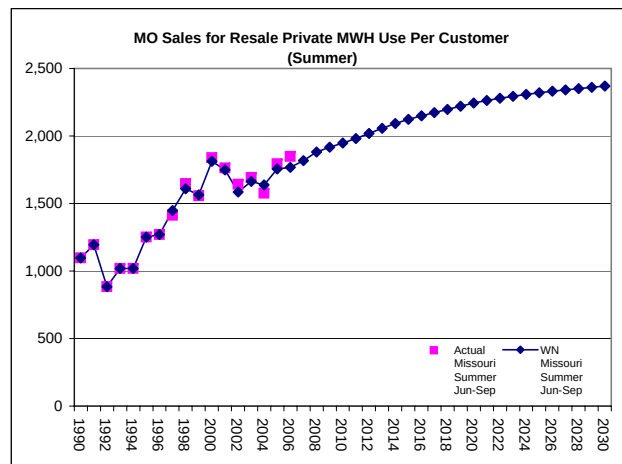
Plot H-51 Missouri & Kansas Traffic Signal MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System Total Jan -Dec
1990	5.1	5.1	13.4	13.4	18.5	18.5	28.7	28.7	55.7	55.7	84.4	84.4	33.8	33.8	69.1	69.1	102.9	102.9
1991	8.3	8.3	15.9	15.9	24.3	24.3	28.9	28.9	58.1	58.1	87.1	87.1	37.2	37.2	74.1	74.1	111.3	111.3
1992	9.1	9.1	17.9	17.9	27.0	27.0	32.1	32.1	62.7	62.7	94.8	94.8	41.2	41.2	80.6	80.6	121.8	121.8
1993	9.1	9.1	20.5	20.5	29.5	29.5	32.4	32.4	73.4	73.4	105.8	105.8	41.5	41.5	93.9	93.9	135.3	135.3
1994	9.8	9.8	19.7	19.7	29.5	29.5	31.6	31.6	63.6	63.6	95.2	95.2	41.4	41.4	83.3	83.3	124.7	124.7
1995	9.8	9.8	19.5	19.5	29.3	29.3	31.4	31.4	64.3	64.3	95.7	95.7	41.2	41.2	83.7	83.7	124.9	124.9
1996	9.8	9.8	19.5	19.5	29.3	29.3	34.0	34.0	67.6	67.6	101.7	101.7	43.8	43.8	87.1	87.1	130.9	130.9
1997	9.8	9.8	19.5	19.5	29.3	29.3	33.8	33.8	67.4	67.4	101.2	101.2	43.6	43.6	86.9	86.9	130.5	130.5
1998	9.8	9.8	19.5	19.5	29.3	29.3	34.2	34.2	67.7	67.7	101.8	101.8	43.9	43.9	87.2	87.2	131.1	131.1
1999	7.8	7.8	19.5	19.5	27.3	27.3	34.4	34.4	68.1	68.1	102.5	102.5	42.1	42.1	87.6	87.6	129.8	129.8
2000	9.8	9.8	19.6	19.6	29.3	29.3	37.0	37.0	68.6	68.6	105.6	105.6	46.8	46.8	88.2	88.2	135.0	135.0
2001	9.9	9.9	19.9	19.9	29.8	29.8	35.3	35.3	69.7	69.7	105.0	105.0	45.3	45.3	89.6	89.6	134.9	134.9
2002	9.9	9.9	19.9	19.9	29.8	29.8	38.0	38.0	72.5	72.5	110.5	110.5	47.9	47.9	92.4	92.4	140.3	140.3
2003	9.9	9.9	19.9	19.9	29.8	29.8	38.0	38.0	75.9	75.9	113.9	113.9	47.9	47.9	95.8	95.8	143.7	143.7
2004	9.9	9.9	19.8	19.8	29.7	29.7	37.1	37.1	74.2	74.2	111.3	111.3	47.1	47.1	94.0	94.0	141.0	141.0
2005	13.7	13.7	28.2	28.2	42.0	42.0	37.6	37.6	93.8	93.8	131.3	131.3	51.3	51.3	122.0	122.0	173.3	173.3
2006	23.3	23.3	46.9	46.9	70.2	70.2	69.5	69.5	136.7	136.7	206.2	206.2	92.8	92.8	183.6	183.6	276.4	276.4
2007		39.4		77.5		116.8		69.5		137.0		206.5		108.9		214.5		323.3
2008		39.4		78.7		118.1		69.6		138.3		207.9		109.0		217.0		326.0
2009		39.4		78.7		118.1		69.7		139.0		208.7		109.1		217.7		326.8
2010		39.4		78.7		118.1		69.8		139.4		209.2		109.2		218.1		327.3
2011		39.4		78.7		118.1		69.9		139.6		209.6		109.3		218.4		327.7
2012		39.4		78.7		118.1		70.0		139.9		209.9		109.4		218.6		328.0
2013		39.4		78.7		118.1		70.2		140.1		210.3		109.5		218.9		328.4
2014		39.4		78.7		118.1		70.3		140.4		210.7		109.7		219.1		328.8
2015		39.4		78.7		118.1		70.4		140.7		211.1		109.8		219.4		329.2
2016		39.4		78.7		118.1		70.5		140.8		211.4		109.9		219.6		329.5
2017		39.4		78.7		118.1		70.6		141.1		211.7		110.0		219.8		329.8
2018		39.4		78.7		118.1		70.7		141.3		212.0		110.1		220.0		330.1
2019		39.4		78.7		118.1		70.9		141.5		212.4		110.2		220.3		330.5
2020		39.4		78.7		118.1		71.0		141.8		212.8		110.4		220.5		330.9
2021		39.4		78.7		118.1		71.1		142.0		213.2		110.5		220.8		331.3
2022		39.4		78.7		118.1		71.2		142.3		213.5		110.6		221.0		331.6
2023		39.4		78.7		118.1		71.3		142.5		213.9		110.7		221.3		332.0
2024		39.4		78.7		118.1		71.5		142.8		214.2		110.8		221.5		332.3
2025		39.4		78.7		118.1		71.6		143.0		214.6		111.0		221.8		332.7
2026		39.4		78.7		118.1		71.7		143.2		214.9		111.1		222.0		333.1
2027		39.4		78.7		118.1		71.8		143.5		215.3		111.2		222.2		333.4
2028		39.4		78.7		118.1		71.9		143.7		215.6		111.3		222.4		333.7
2029		39.4		78.7		118.1		72.0		143.9		215.9		111.4		222.6		334.0
2030		39.4		78.7		118.1		72.1		144.1		216.2		111.5		222.9		334.4
90-'06	9.9%	9.9%	8.2%	8.2%	8.7%	8.7%	5.7%	5.7%	5.8%	5.8%	5.7%	5.7%	6.5%	6.5%	6.3%	6.3%	6.4%	6.4%
07-'10		0.0%		0.5%		0.4%		0.2%		0.6%		0.4%		0.1%		0.6%		0.4%
10-'15		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.1%		0.1%		0.1%
15-'20		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.1%		0.1%		0.1%
20-'25		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.1%		0.1%		0.1%
25-'30		0.0%		0.0%		0.0%		0.2%		0.2%		0.2%		0.1%		0.1%		0.1%
07-'30		0.0%		0.1%		0.0%		0.2%		0.2%		0.2%		0.1%		0.2%		0.1%



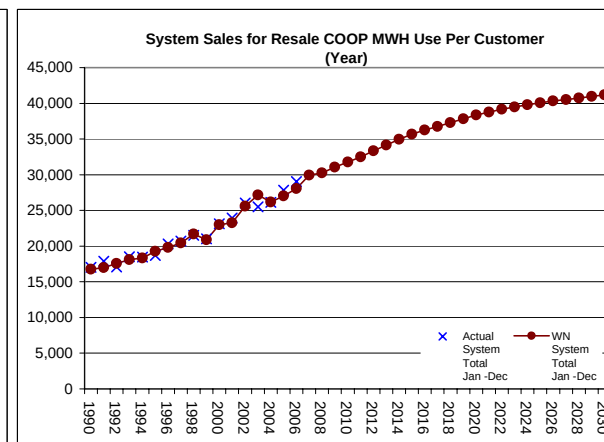
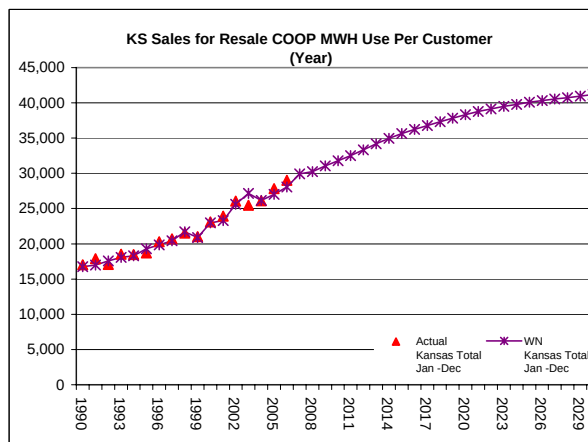
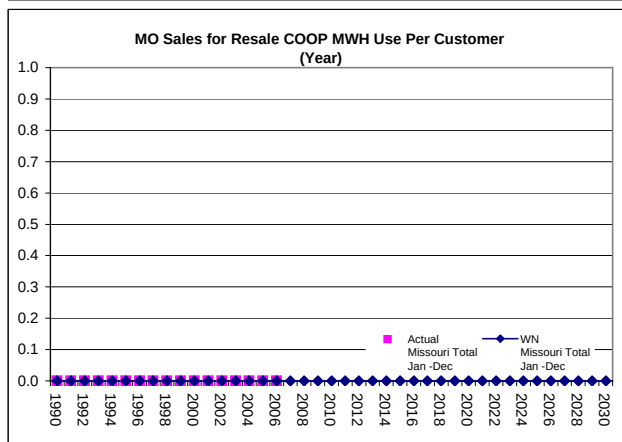
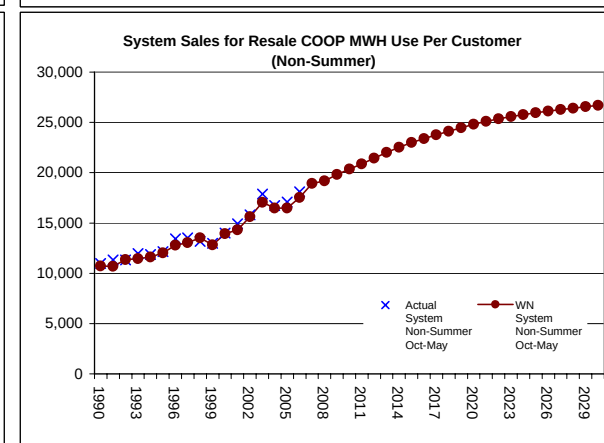
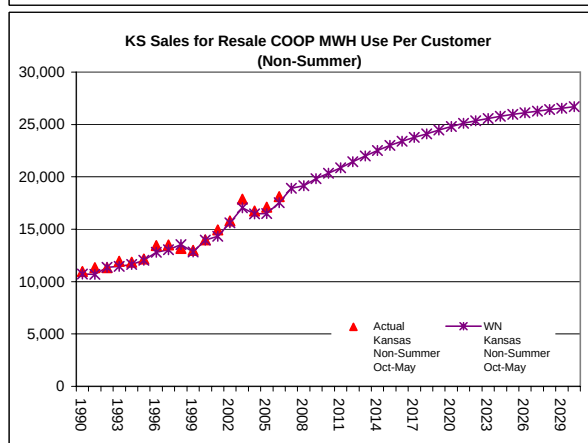
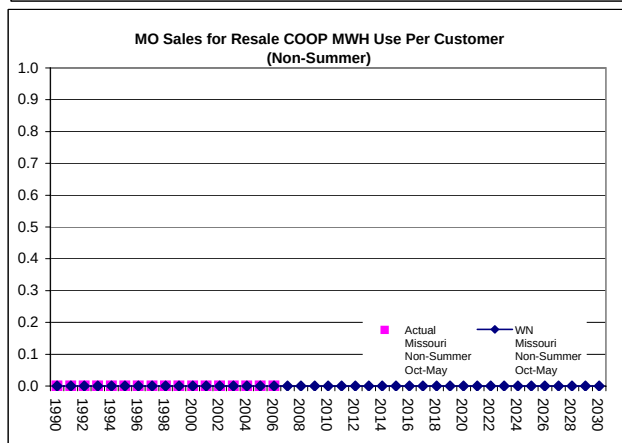
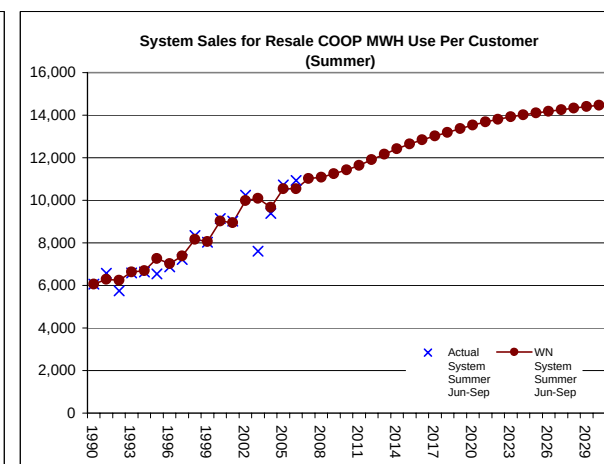
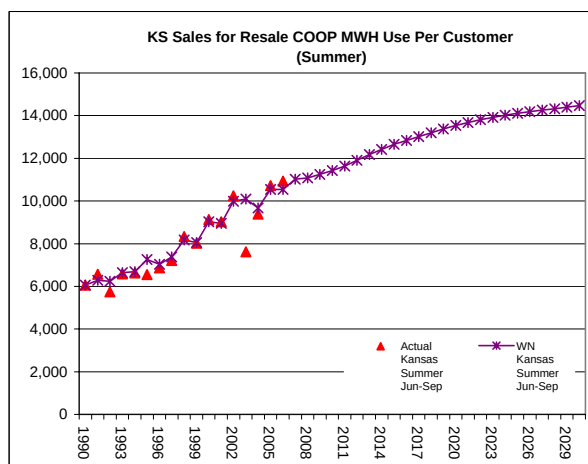
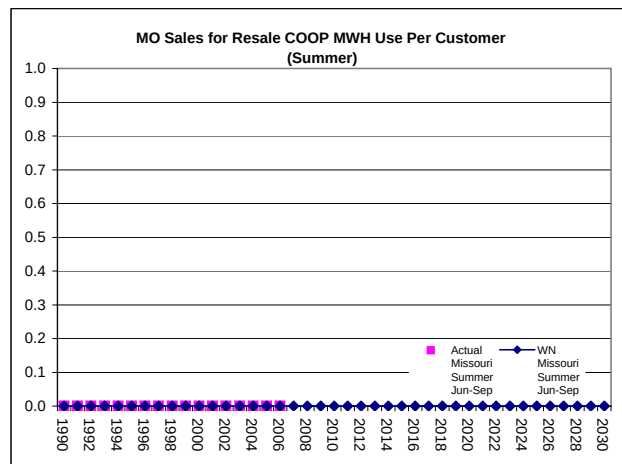
Plot H-52 Missouri & Kansas Sales for Resale Private MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan -Dec	WN Missouri Total Jan -Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan -Dec	WN Kansas Total Jan -Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan -Dec	WN System Total Jan -Dec
1990	1,097.4	1,097.4	1,849.4	1,849.4	2,946.8	2,946.8	0	0	0	0	0	0	1,097.4	1,097.4	1,849.4	1,849.4	2,946.8	2,946.8
1991	1,194.5	1,194.5	1,913.2	1,913.2	3,107.7	3,107.7	0	0	0	0	0	0	1,194.5	1,194.5	1,913.2	1,913.2	3,107.7	3,107.7
1992	884.9	884.9	1,811.6	1,811.6	2,696.5	2,696.5	0	0	0	0	0	0	884.9	884.9	1,811.6	1,811.6	2,696.5	2,696.5
1993	1,018.8	1,018.8	1,947.8	1,947.8	2,966.6	2,966.6	0	0	0	0	0	0	1,018.8	1,018.8	1,947.8	1,947.8	2,966.6	2,966.6
1994	1,018.2	1,018.2	1,877.8	1,877.8	2,896.0	2,896.0	0	0	0	0	0	0	1,018.2	1,018.2	1,877.8	1,877.8	2,896.0	2,896.0
1995	1,251.3	1,251.3	2,146.5	2,146.5	3,397.8	3,397.8	0	0	0	0	0	0	1,251.3	1,251.3	2,146.5	2,146.5	3,397.8	3,397.8
1996	1,269.1	1,269.1	2,273.3	2,273.3	3,542.4	3,542.4	0	0	0	0	0	0	1,269.1	1,269.1	2,273.3	2,273.3	3,542.4	3,542.4
1997	1,412.7	1,447.7	2,583.8	2,577.2	3,996.5	4,024.8	0	0	0	0	0	0	1,412.7	1,447.7	2,583.8	2,577.2	3,996.5	4,024.8
1998	1,646.5	1,610.0	2,813.6	2,806.3	4,460.2	4,416.3	0	0	0	0	0	0	1,646.5	1,610.0	2,813.6	2,806.3	4,460.2	4,416.3
1999	1,557.0	1,564.1	2,592.0	2,610.9	4,149.0	4,175.0	0	0	0	0	0	0	1,557.0	1,564.1	2,592.0	2,610.9	4,149.0	4,175.0
2000	1,837.8	1,813.6	3,079.8	3,065.9	4,917.6	4,879.6	0	0	0	0	0	0	1,837.8	1,813.6	3,079.8	3,065.9	4,917.6	4,879.6
2001	1,764.0	1,748.5	3,078.0	3,078.1	4,842.0	4,826.6	0	0	0	0	0	0	1,764.0	1,748.5	3,078.0	3,078.1	4,842.0	4,826.6
2002	1,641.6	1,586.5	2,799.6	2,783.2	4,441.2	4,369.7	0	0	0	0	0	0	1,641.6	1,586.5	2,799.6	2,783.2	4,441.2	4,369.7
2003	1,691.4	1,664.2	2,953.8	2,964.6	4,645.2	4,628.8	0	0	0	0	0	0	1,691.4	1,664.2	2,953.8	2,964.6	4,645.2	4,628.8
2004	1,575.6	1,638.3	3,130.8	3,128.5	4,706.4	4,766.9	0	0	0	0	0	0	1,575.6	1,638.3	3,130.8	3,128.5	4,706.4	4,766.9
2005	1,794.0	1,755.1	3,213.6	3,188.0	5,007.6	4,943.1	0	0	0	0	0	0	1,794.0	1,755.1	3,213.6	3,188.0	5,007.6	4,943.1
2006	1,848.0	1,766.7	3,132.6	3,135.2	4,980.6	4,901.9	0	0	0	0	0	0	1,848.0	1,766.7	3,132.6	3,135.2	4,980.6	4,901.9
2007		1,817.3		3,340.3		5,157.6		0		0		0		1,817.3		3,340.3		5,157.6
2008		1,882.0		3,410.0		5,292.0		0		0		0		1,882.0		3,410.0		5,292.0
2009		1,916.9		3,482.4		5,399.3		0		0		0		1,916.9		3,482.4		5,399.3
2010		1,948.5		3,546.3		5,494.8		0		0		0		1,948.5		3,546.3		5,494.8
2011		1,981.5		3,612.4		5,593.9		0		0		0		1,981.5		3,612.4		5,593.9
2012		2,019.6		3,686.2		5,705.8		0		0		0		2,019.6		3,686.2		5,705.8
2013		2,056.5		3,761.3		5,817.9		0		0		0		2,056.5		3,761.3		5,817.9
2014		2,091.5		3,831.4		5,922.9		0		0		0		2,091.5		3,831.4		5,922.9
2015		2,123.2		3,895.5		6,018.8		0		0		0		2,123.2		3,895.5		6,018.8
2016		2,148.6		3,948.1		6,096.7		0		0		0		2,148.6		3,948.1		6,096.7
2017		2,172.6		3,996.2		6,168.8		0		0		0		2,172.6		3,996.2		6,168.8
2018		2,196.8		4,044.6		6,241.3		0		0		0		2,196.8		4,044.6		6,241.3
2019		2,220.6		4,092.1		6,312.7		0		0		0		2,220.6		4,092.1		6,312.7
2020		2,243.6		4,138.3		6,381.9		0		0		0		2,243.6		4,138.3		6,381.9
2021		2,262.9		4,178.2		6,441.1		0		0		0		2,262.9		4,178.2		6,441.1
2022		2,279.8		4,212.6		6,492.3		0		0		0		2,279.8		4,212.6		6,492.3
2023		2,294.8		4,242.9		6,537.6		0		0		0		2,294.8		4,242.9		6,537.6
2024		2,307.8		4,269.4		6,577.2		0		0		0		2,307.8		4,269.4		6,577.2
2025		2,320.8		4,295.4		6,616.3		0		0		0		2,320.8		4,295.4		6,616.3
2026		2,331.3		4,317.1		6,648.4		0		0		0		2,331.3		4,317.1		6,648.4
2027		2,340.8		4,336.3		6,677.1		0		0		0		2,340.8		4,336.3		6,677.1
2028		2,350.3		4,355.3		6,705.6		0		0		0		2,350.3		4,355.3		6,705.6
2029		2,360.4		4,375.2		6,735.7		0		0		0		2,360.4		4,375.2		6,735.7
2030		2,369.7		4,394.0		6,763.6		0		0		0		2,369.7		4,394.0		6,763.6
90-'06	3.3%	3.0%	3.3%	3.4%	3.3%	3.2%	0.0%	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!	3.3%	3.0%	3.3%	3.4%	3.3%	3.2%
07-'10		2.4%		2.0%		2.1%		0.0%		0.0%		#DIV/0!		2.4%		2.0%		2.1%
10-'15		1.7%		1.9%		1.8%		0.0%		0.0%		#DIV/0!		1.7%		1.9%		1.8%
15-'20		1.1%		1.2%		1.2%		0.0%		0.0%		#DIV/0!		1.1%		1.2%		1.2%
20-'25		0.7%		0.7%		0.7%		0.0%		0.0%		#DIV/0!		0.7%		0.7%		0.7%
25-'30		0.4%		0.5%		0.4%		0.0%		0.0%		#DIV/0!		0.4%		0.5%		0.4%
07-'30		1.2%		1.2%		1.2%		0.0%		0.0%		#DIV/0!		1.2%		1.2%		1.2%



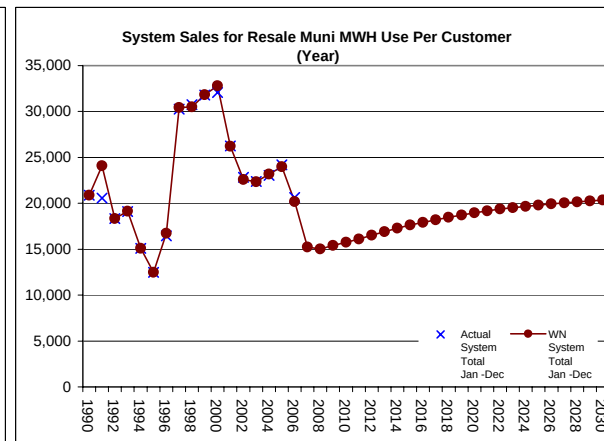
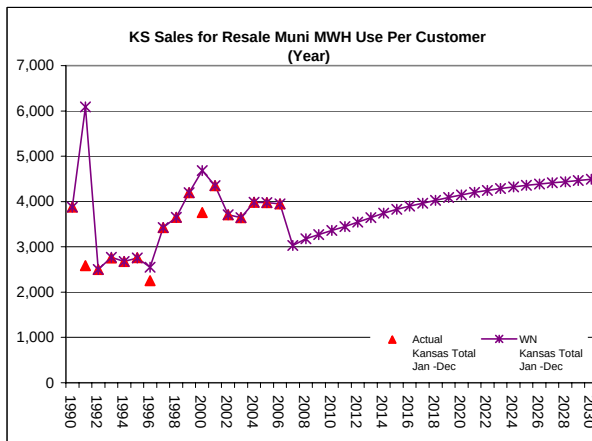
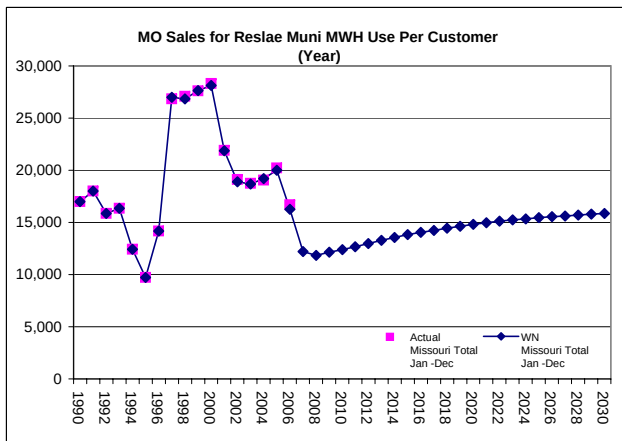
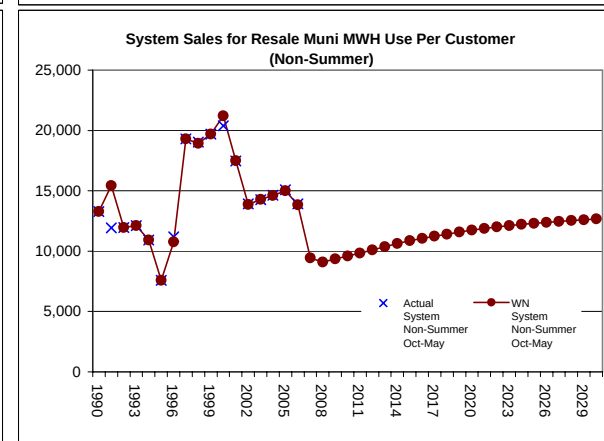
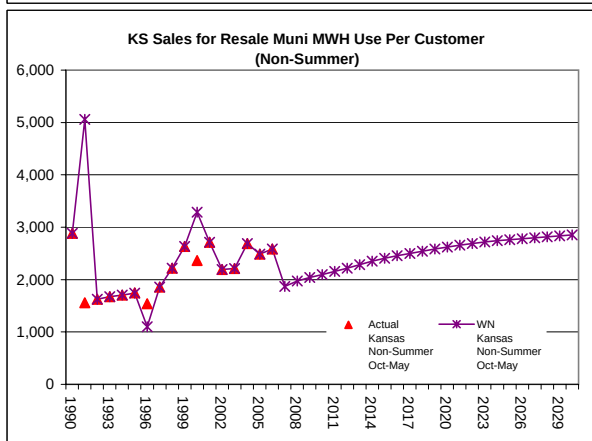
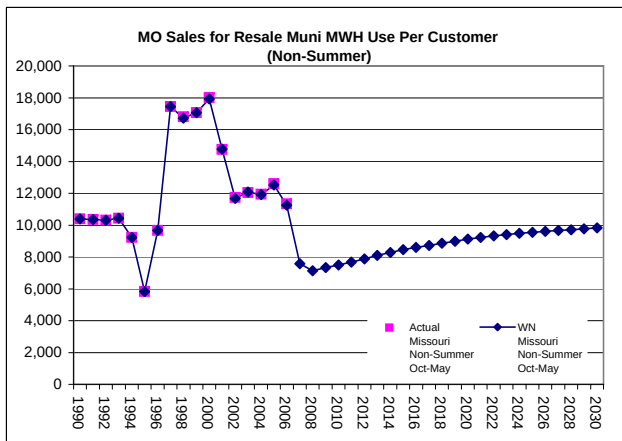
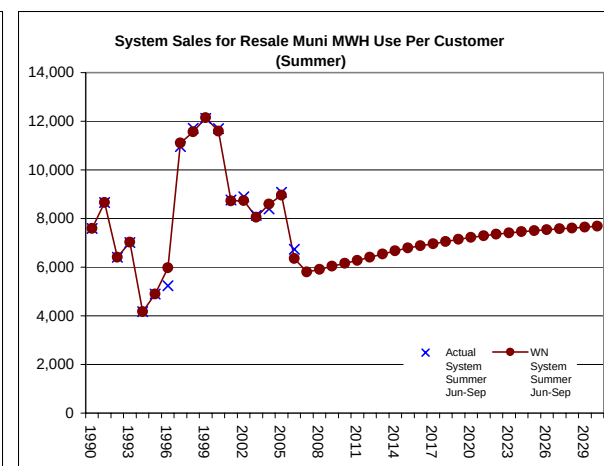
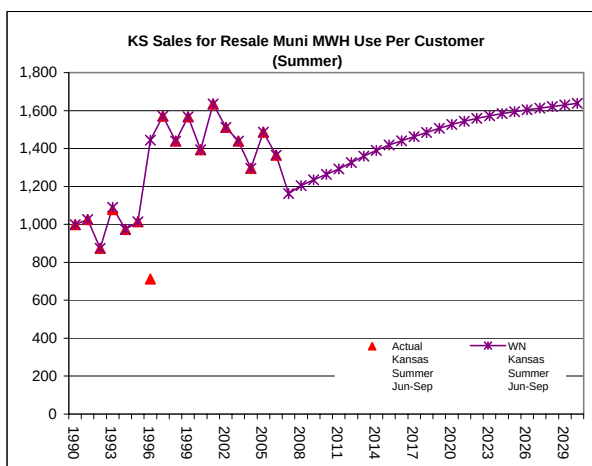
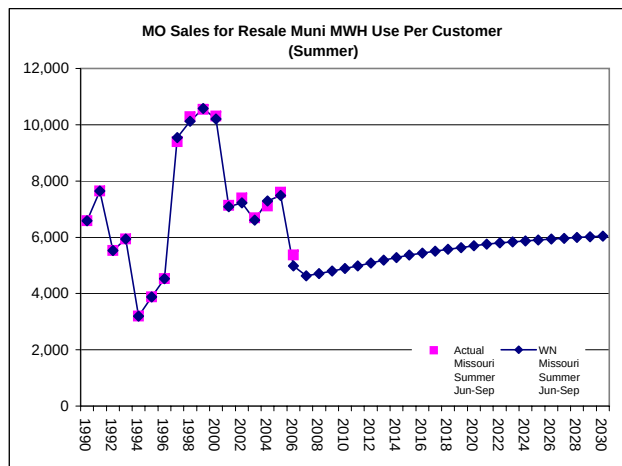
Plot H-53 Missouri & Kansas Sales for Resale COOP MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN	Actual	WN
	Missouri Summer Jun-Sep	Missouri Summer Jun-Sep	Missouri Non-Summer Oct-May	Missouri Non-Summer Oct-May	Missouri Total Jan -Dec	Missouri Total Jan -Dec	Kansas Summer Jun-Sep	Kansas Summer Jun-Sep	Kansas Non-Summer Oct-May	Kansas Non-Summer Oct-May	Kansas Total Jan -Dec	Kansas Total Jan -Dec	System Summer Jun-Sep	System Summer Jun-Sep	System Non-Summer Oct-May	System Non-Summer Oct-May	System Total Jan -Dec	System Total Jan -Dec
1990	0	0	0	0	0	0	6,053.0	6,053.0	10,979.3	10,719.7	17,032.3	16,772.7	6,053.0	6,053.0	10,979.3	10,719.7	17,032.3	16,772.7
1991	0	0	0	0	0	0	6,569.6	6,279.8	11,324.2	10,702.7	17,893.8	16,982.5	6,569.6	6,279.8	11,324.2	10,702.7	17,893.8	16,982.5
1992	0	0	0	0	0	0	5,750.1	6,240.7	11,322.6	11,349.4	17,072.7	17,590.0	5,750.1	6,240.7	11,322.6	11,349.4	17,072.7	17,590.0
1993	0	0	0	0	0	0	6,580.6	6,638.7	11,951.0	11,454.0	18,531.6	18,092.7	6,580.6	6,638.7	11,951.0	11,454.0	18,531.6	18,092.7
1994	0	0	0	0	0	0	6,630.0	6,692.3	11,853.6	11,625.4	18,483.5	18,317.7	6,630.0	6,692.3	11,853.6	11,625.4	18,483.5	18,317.7
1995	0	0	0	0	0	0	6,545.8	7,258.3	12,153.3	12,031.8	18,699.1	19,290.1	6,545.8	7,258.3	12,153.3	12,031.8	18,699.1	19,290.1
1996	0	0	0	0	0	0	6,870.3	7,029.8	13,427.4	12,793.9	20,297.7	19,823.7	6,870.3	7,029.8	13,427.4	12,793.9	20,297.7	19,823.7
1997	0	0	0	0	0	0	7,215.1	7,376.0	13,513.1	13,058.0	20,728.2	20,434.1	7,215.1	7,376.0	13,513.1	13,058.0	20,728.2	20,434.1
1998	0	0	0	0	0	0	8,339.4	8,168.6	13,168.7	13,533.4	21,508.1	21,702.0	8,339.4	8,168.6	13,168.7	13,533.4	21,508.1	21,702.0
1999	0	0	0	0	0	0	8,025.7	8,058.9	12,992.0	12,819.7	21,017.6	20,878.6	8,025.7	8,058.9	12,992.0	12,819.7	21,017.6	20,878.6
2000	0	0	0	0	0	0	9,136.2	9,025.5	13,992.2	13,946.1	23,128.4	22,971.6	9,136.2	9,025.5	13,992.2	13,946.1	23,128.4	22,971.6
2001	0	0	0	0	0	0	9,025.7	8,954.9	14,926.5	14,319.2	23,952.1	23,274.0	9,025.7	8,954.9	14,926.5	14,319.2	23,952.1	23,274.0
2002	0	0	0	0	0	0	10,242.1	9,984.2	15,803.4	15,614.4	26,045.5	25,598.6	10,242.1	9,984.2	15,803.4	15,614.4	26,045.5	25,598.6
2003	0	0	0	0	0	0	7,612.6	10,089.4	17,882.3	17,055.7	25,494.9	27,145.1	7,612.6	10,089.4	17,882.3	17,055.7	25,494.9	27,145.1
2004	0	0	0	0	0	0	9,383.2	9,674.9	16,742.9	16,478.3	26,126.0	26,153.2	9,383.2	9,674.9	16,742.9	16,478.3	26,126.0	26,153.2
2005	0	0	0	0	0	0	10,726.9	10,544.0	17,099.4	16,491.8	27,826.3	27,035.9	10,726.9	10,544.0	17,099.4	16,491.8	27,826.3	27,035.9
2006	0	0	0	0	0	0	10,926.7	10,547.3	18,103.7	17,526.4	29,030.4	28,073.7	10,926.7	10,547.3	18,103.7	17,526.4	29,030.4	28,073.7
2007		0		0		0		11,016.6		18,922.3		29,939.0		11,016.6		18,922.3		29,939.0
2008		0		0		0		11,088.1		19,170.0		30,258.1		11,088.1		19,170.0		30,258.1
2009		0		0		0		11,245.9		19,821.3		31,067.2		11,245.9		19,821.3		31,067.2
2010		0		0		0		11,425.2		20,355.2		31,780.5		11,425.2		20,355.2		31,780.5
2011		0		0		0		11,639.4		20,874.3		32,513.7		11,639.4		20,874.3		32,513.7
2012		0		0		0		11,905.0		21,436.8		33,341.8		11,905.0		21,436.8		33,341.8
2013		0		0		0		12,168.7		22,003.3		34,172.0		12,168.7		22,003.3		34,172.0
2014		0		0		0		12,422.6		22,526.9		34,949.6		12,422.6		22,526.9		34,949.6
2015		0		0		0		12,654.1		23,006.8		35,660.9		12,654.1		23,006.8		35,660.9
2016		0		0		0		12,840.0		23,397.9		36,237.9		12,840.0		23,397.9		36,237.9
2017		0		0		0		13,016.7		23,753.0		36,769.7		13,016.7		23,753.0		36,769.7
2018		0		0		0		13,194.5		24,111.4		37,305.9		13,194.5		24,111.4		37,305.9
2019		0		0		0		13,370.4		24,462.5		37,832.9		13,370.4		24,462.5		37,832.9
2020		0		0		0		13,540.2		24,805.4		38,345.5		13,540.2		24,805.4		38,345.5
2021		0		0		0		13,682.5		25,100.7		38,783.2		13,682.5		25,100.7		38,783.2
2022		0		0		0		13,806.8		25,355.8		39,162.7		13,806.8		25,355.8		39,162.7
2023		0		0		0		13,917.4		25,580.8		39,498.2		13,917.4		25,580.8		39,498.2
2024		0		0		0		14,013.4		25,776.5		39,789.9		14,013.4		25,776.5		39,789.9
2025		0		0		0		14,110.0		25,969.7		40,079.7		14,110.0		25,969.7		40,079.7
2026		0		0		0		14,187.2		26,130.7		40,317.8		14,187.2		26,130.7		40,317.8
2027		0		0		0		14,257.4		26,272.1		40,529.6		14,257.4		26,272.1		40,529.6
2028		0		0		0		14,327.7		26,412.5		40,740.2		14,327.7		26,412.5		40,740.2
2029		0		0		0		14,402.4		26,559.5		40,961.9		14,402.4		26,559.5		40,961.9
2030		0		0		0		14,470.4		26,699.2		41,169.7		14,470.4		26,699.2		41,169.7
90-'06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	3.5%	3.2%	3.1%	3.4%	3.3%	3.8%	3.5%	3.2%	3.1%	3.4%	3.3%
07-'10		0.0%		0.0%		0.0%		1.2%		2.5%		2.0%		1.2%		2.5%		2.0%
10-'15		0.0%		0.0%		0.0%		2.1%		2.5%		2.3%		2.1%		2.5%		2.3%
15-'20		0.0%		0.0%		0.0%		1.4%		1.5%		1.5%		1.4%		1.5%		1.5%
20-'25		0.0%		0.0%		0.0%		0.8%		0.9%		0.9%		0.8%		0.9%		0.9%
25-'30		0.0%		0.0%		0.0%		0.5%		0.6%		0.5%		0.5%		0.6%		0.5%
07-'30		0.0%		0.0%		0.0%		1.2%		1.5%		1.4%		1.2%		1.5%		1.4%



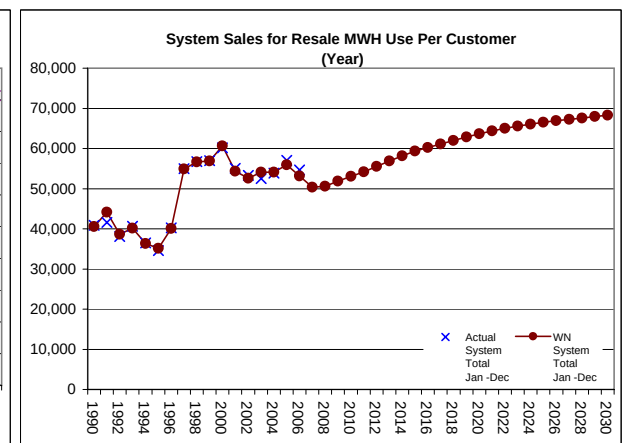
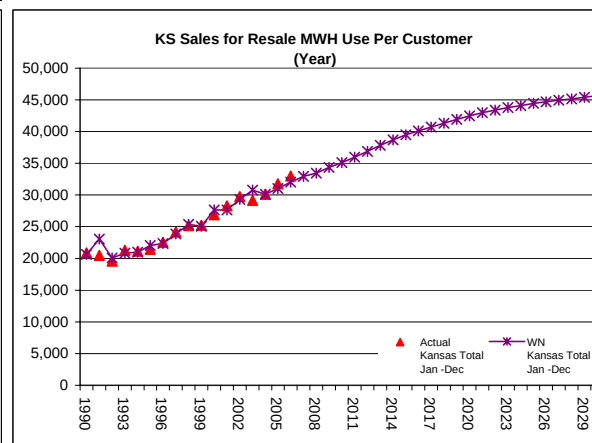
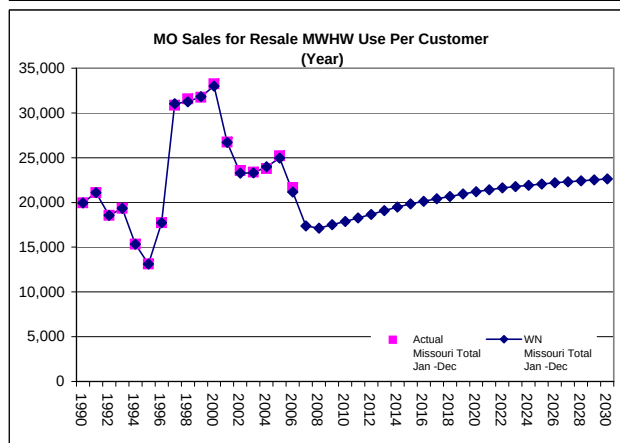
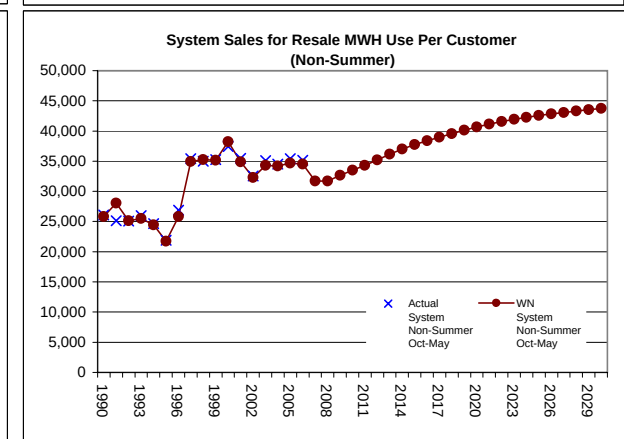
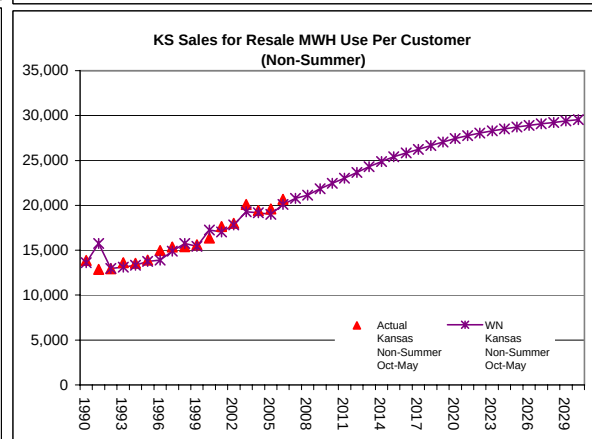
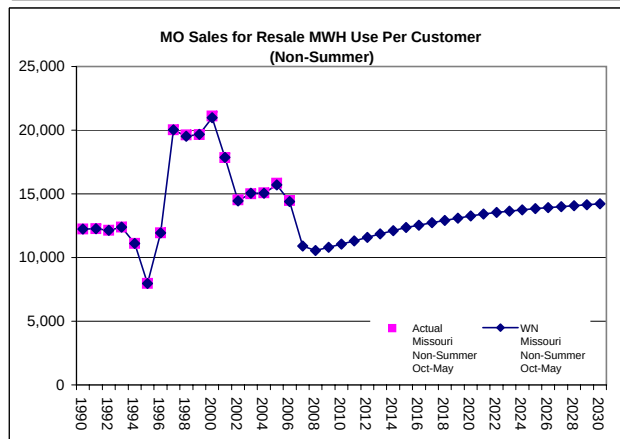
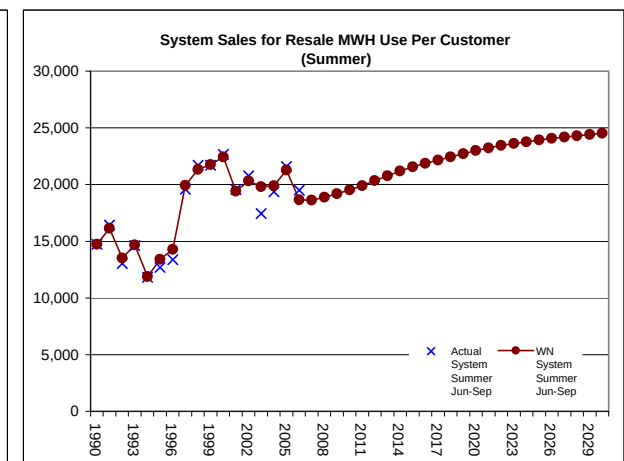
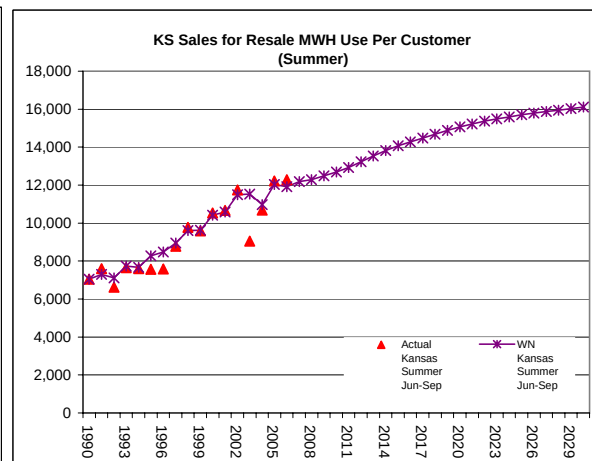
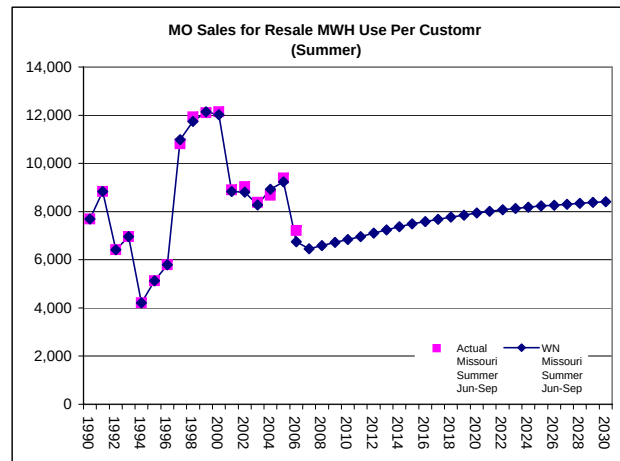
Plot H-54 Missouri & Kansas Sales for Resale Muni MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	6,588.2	6,588.2	10,397.6	10,397.6	16,985.8	16,985.8	998.7	998.7	2,881.4	2,881.4	3,880.1	3,880.1	7,586.9	7,586.9	13,279.0	13,279.0	20,865.9	20,865.9
1991	7,638.3	7,638.3	10,358.5	10,358.5	17,996.8	17,996.8	1,025.6	1,025.6	1,558.8	1,558.8	5,060.2	5,060.2	8,663.9	8,663.9	11,917.3	11,917.3	20,581.2	24,082.6
1992	5,528.9	5,528.9	10,319.3	10,319.3	15,848.2	15,848.2	874.6	874.6	1,627.5	1,627.5	2,502.1	2,502.1	6,403.5	6,403.5	11,946.8	11,946.8	18,350.3	18,350.3
1993	5,936.7	5,936.7	10,428.0	10,428.0	16,364.7	16,364.7	1,077.7	1,089.5	1,676.2	1,676.2	2,753.9	2,765.7	7,014.4	7,026.2	12,104.2	12,104.2	19,118.6	19,130.4
1994	3,191.7	3,191.7	9,232.2	9,232.2	12,423.9	12,423.9	973.8	973.8	1,702.1	1,702.1	2,675.9	2,675.9	4,165.5	4,165.5	10,934.3	10,934.3	15,099.8	15,099.8
1995	3,882.1	3,882.1	5,829.4	5,829.4	9,711.5	9,711.5	1,014.2	1,014.2	1,745.5	1,742.9	2,759.7	2,757.1	4,896.3	4,896.3	7,574.9	7,572.3	12,471.2	12,468.6
1996	4,524.3	4,524.3	9,660.2	9,660.2	14,184.5	14,184.5	712.2	1,444.6	1,540.2	1,102.1	2,252.5	2,546.8	5,236.6	5,969.0	11,200.4	10,762.3	16,437.0	16,731.3
1997	9,397.1	9,541.9	17,443.9	17,448.7	26,841.0	26,990.5	1,569.8	1,569.8	1,856.8	1,856.8	3,426.7	3,426.7	10,966.9	11,111.7	19,300.7	19,305.5	30,267.6	30,417.2
1998	10,278.1	10,127.7	16,812.1	16,715.1	27,090.2	26,842.7	1,438.6	1,438.6	2,216.5	2,216.5	3,655.1	3,655.1	11,716.7	11,566.3	19,028.6	18,931.6	30,745.3	30,497.9
1999	10,546.5	10,575.7	17,063.8	17,071.7	27,610.2	27,647.5	1,566.8	1,566.8	2,630.6	2,630.6	4,197.4	4,197.4	12,113.3	12,142.5	19,694.3	19,702.3	31,807.6	31,844.8
2000	10,303.2	10,203.0	18,016.4	17,925.2	28,319.6	28,128.2	1,393.7	1,393.7	2,367.0	2,287.1	3,760.7	4,680.8	11,696.8	11,596.7	20,383.5	21,212.3	32,080.3	32,809.0
2001	7,130.0	7,083.1	14,759.4	14,779.2	21,889.4	21,862.3	1,635.5	1,635.5	2,714.1	2,714.1	4,349.6	4,349.6	8,765.5	8,718.6	17,473.5	17,493.3	26,239.0	26,211.9
2002	7,389.3	7,224.5	11,733.8	11,673.9	19,123.1	18,898.4	1,510.8	1,510.8	2,195.1	2,195.1	3,706.0	3,706.0	8,900.1	8,735.3	13,928.9	13,869.1	22,829.0	22,604.4
2003	6,688.6	6,613.5	12,048.2	12,073.4	18,736.8	18,686.9	1,438.4	1,438.4	2,209.0	2,209.0	3,647.4	3,647.4	8,127.0	8,051.9	14,257.2	14,282.4	22,384.2	22,334.3
2004	7,104.4	7,292.5	11,949.7	11,913.1	19,054.1	19,205.6	1,295.0	1,295.0	2,687.5	2,687.5	3,982.5	3,982.5	8,399.5	8,587.5	14,637.2	14,600.6	23,036.6	23,188.1
2005	7,596.9	7,480.8	12,608.2	12,515.2	20,205.1	19,996.0	1,485.5	1,485.5	2,488.3	2,488.3	3,973.8	3,973.8	9,082.4	8,966.3	15,096.5	15,003.5	24,178.9	23,969.8
2006	5,366.7	4,984.6	11,334.2	11,262.7	16,700.9	16,247.2	1,364.8	1,364.8	2,581.9	2,581.9	3,946.7	3,946.7	6,731.5	6,349.4	13,916.0	13,844.5	20,647.6	20,193.9
2007		4,635.0		7,575.9		12,210.9		1,162.6		1,869.1		3,031.7		5,797.6		9,445.0		15,242.6
2008		4,709.2		7,131.6		11,840.9		1,203.8		1,974.4		3,178.2		5,913.0		9,106.0		15,019.1
2009		4,804.5		7,329.4		12,133.9		1,234.9		2,038.9		3,273.8		6,039.4		9,368.3		15,407.7
2010		4,890.9		7,503.8		12,394.7		1,263.1		2,095.8		3,358.9		6,154.0		9,599.6		15,753.6
2011		4,981.0		7,684.5		12,665.5		1,292.5		2,154.8		3,447.3		6,273.5		9,839.4		16,112.9
2012		5,085.2		7,886.0		12,971.2		1,326.5		2,220.5		3,547.0		6,411.7		10,106.5		16,518.2
2013		5,186.0		8,091.3		13,277.3		1,359.4		2,287.6		3,646.9		6,545.4		10,378.9		16,924.2
2014		5,281.7		8,282.7		13,564.4		1,390.6		2,350.0		3,740.6		6,672.3		10,632.7		17,305.0
2015		5,368.3		8,457.9		13,826.2		1,418.9		2,407.2		3,826.1		6,787.1		10,865.1		17,652.2
2016		5,437.6		8,601.6		14,039.1		1,441.5		2,454.1		3,895.6		6,879.0		11,055.7		17,934.7
2017		5,503.2		8,732.9		14,236.1		1,462.9		2,496.9		3,959.8		6,966.1		11,229.8		18,195.9
2018		5,569.2		8,865.0		14,434.2		1,484.4		2,540.1		4,024.5		7,053.6		11,405.1		18,458.7
2019		5,634.3		8,994.9		14,629.2		1,505.7		2,582.4		4,088.1		7,140.0		11,577.3		18,717.4
2020		5,697.2		9,121.1		14,818.3		1,526.2		2,623.6		4,149.8		7,223.4		11,744.7		18,968.1
2021		5,749.9		9,230.0		14,979.9		1,543.4		2,659.2		4,202.6		7,293.3		11,889.1		19,182.4
2022		5,795.9		9,324.0		15,119.9		1,558.4		2,689.8		4,248.2		7,354.3		12,013.8		19,368.1
2023		5,836.8		9,406.7		15,243.6		1,571.8		2,716.8		4,288.6		7,408.6		12,123.6		19,532.2
2024		5,872.3		9,479.4		15,351.7		1,583.4		2,740.5		4,323.9		7,455.7		12,219.9		19,675.6
2025		5,908.1		9,550.4		15,458.5		1,595.0		2,763.7		4,358.7		7,503.1		12,314.1		19,817.2
2026		5,936.6		9,609.6		15,546.3		1,604.3		2,783.0		4,387.4		7,541.0		12,392.7		19,933.7
2027		5,962.6		9,662.0		15,624.6		1,612.8		2,800.1		4,413.0		7,575.5		12,462.1		20,037.6
2028		5,988.6		9,714.0		15,702.6		1,621.3		2,817.1		4,438.4		7,610.0		12,531.1		20,141.0
2029		6,016.3		9,768.4		15,784.7		1,630.3		2,834.9		4,465.2		7,646.6		12,603.2		20,249.8
2030		6,041.4		9,819.6		15,861.0		1,638.5		2,851.6		4,490.1		7,680.0		12,671.2		20,351.1
90-'06	-1.3%	-1.7%	0.5%	0.5%	-0.1%	-0.3%	2.0%	2.0%	-0.7%	-0.7%	0.1%	0.1%	-0.7%	-1.1%	0.3%	0.3%	-0.1%	-0.2%
07-'10		1.8%		-0.3%		0.5%		2.8%		3.9%		3.5%		2.0%		0.5%		1.1%
10-'15		1.9%		2.4%		2.2%		2.4%		2.8%		2.6%		2.0%		2.5%		2.3%
15-'20		1.2%		1.5%		1.4%		1.5%		1.7%		1.6%		1.3%		1.6%		1.4%
20-'25		0.7%		0.9%		0.8%		0.9%		1.0%		1.0%		0.8%		1.0%		0.9%
25-'30		0.4%		0.6%		0.5%		0.5%		0.6%		0.6%		0.5%		0.6%		0.5%
07-'30		1.2%		1.1%		1.1%		1.5%		1.9%		1.7%		1.2%		1.3%		1.3%



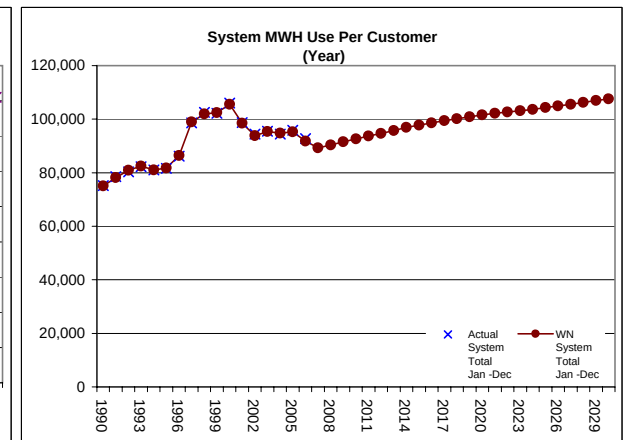
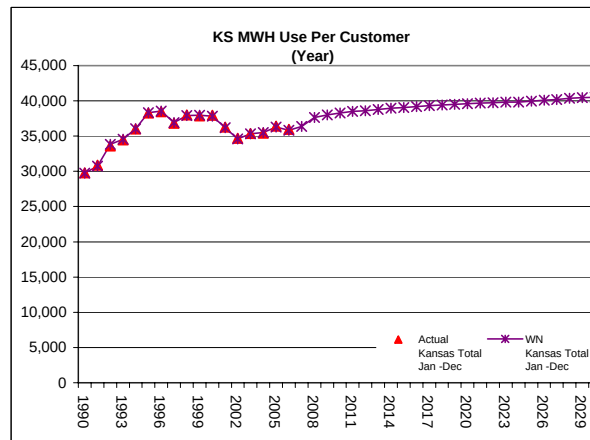
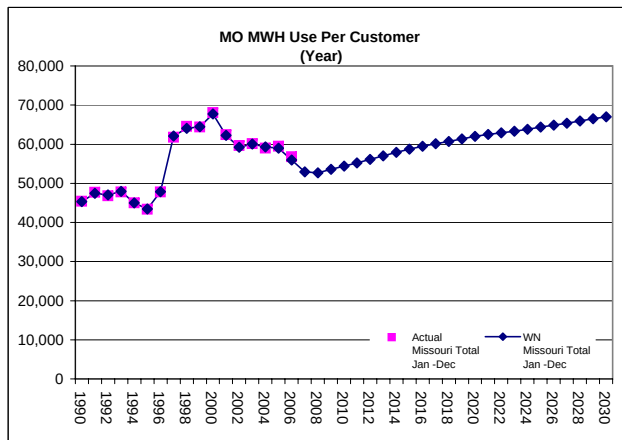
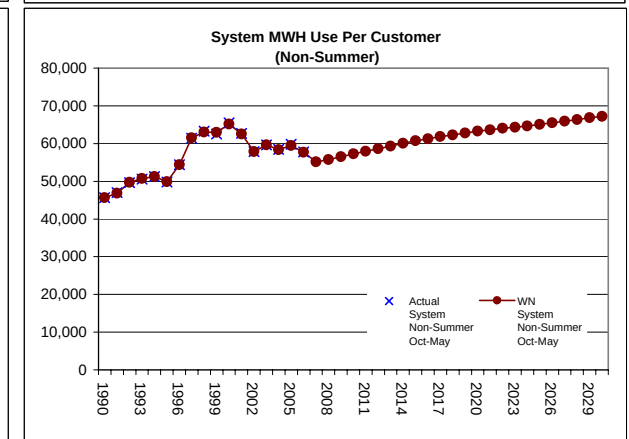
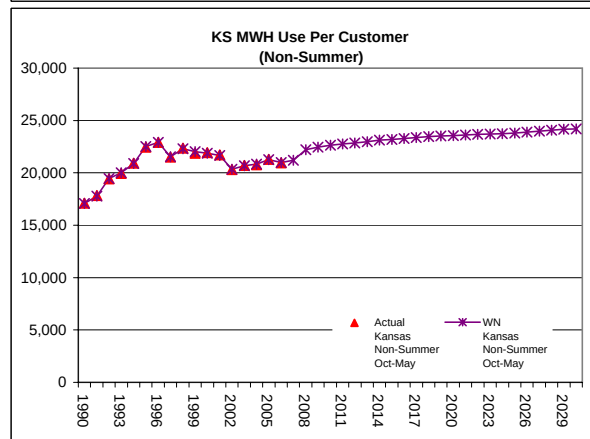
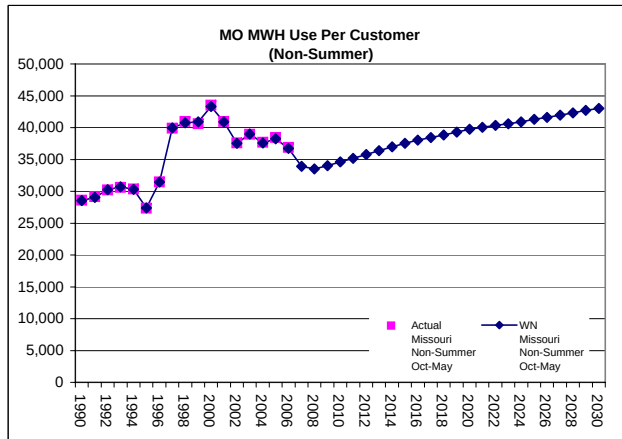
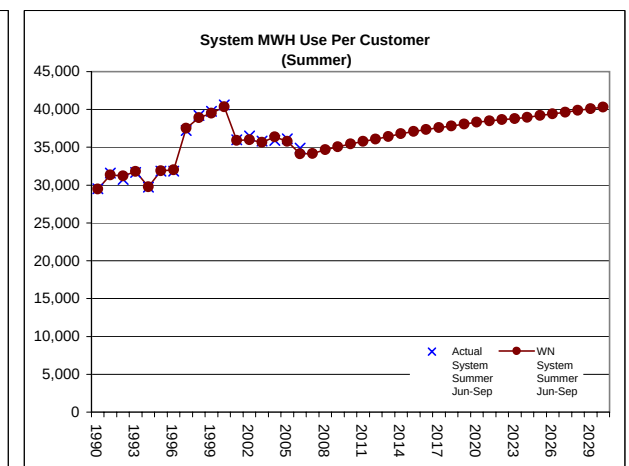
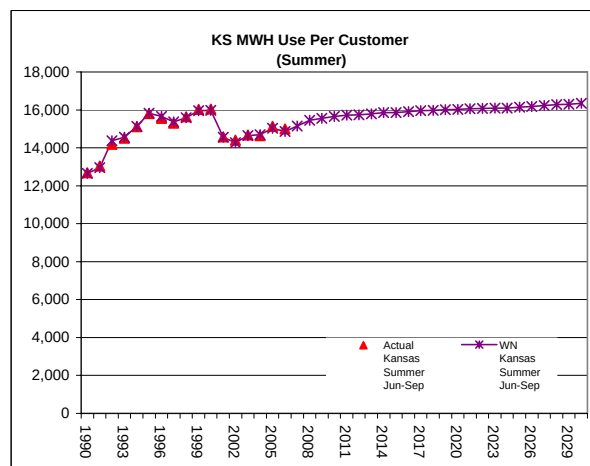
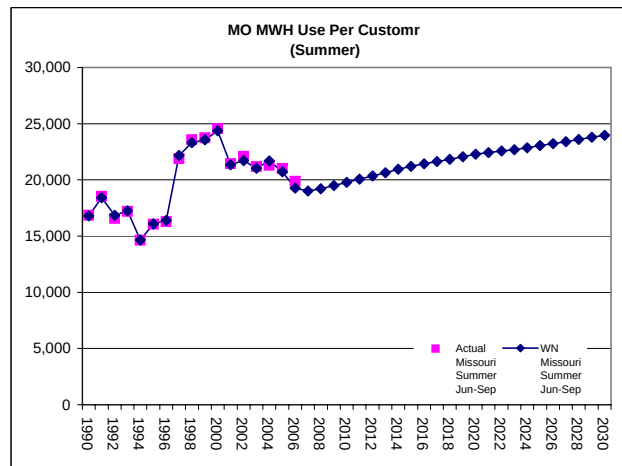
**Plot H-55 Missouri & Kansas Sales for Resale MWH Use Per Customer
(Actual vs. Weather Normalized)**

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	7,685.6	7,685.6	12,246.9	12,246.9	19,932.5	19,932.5	7,051.7	7,051.7	13,860.7	13,601.1	20,912.4	20,652.8	14,737.3	14,737.3	26,107.6	25,848.0	40,844.9	40,585.3
1991	8,832.8	8,832.8	12,271.7	12,271.7	21,104.5	21,104.5	7,595.3	7,305.5	12,883.0	15,762.8	20,478.2	23,068.3	16,428.0	16,138.3	25,154.7	28,034.5	41,582.7	44,172.8
1992	6,413.8	6,413.8	12,131.0	12,131.0	18,544.8	18,544.8	6,624.6	7,115.3	12,950.1	12,976.8	19,574.7	20,092.1	13,038.5	13,529.1	25,081.0	25,107.8	38,119.5	38,636.9
1993	6,955.6	6,955.6	12,375.8	12,375.8	19,331.3	19,331.3	7,658.3	7,728.2	13,627.2	13,130.2	21,285.5	20,858.4	14,613.9	14,683.7	26,003.0	25,505.9	40,616.9	40,189.7
1994	4,209.9	4,209.9	11,110.0	11,110.0	15,319.9	15,319.9	7,603.8	7,666.1	13,555.7	13,327.5	21,159.4	20,993.6	11,813.6	11,876.0	24,665.6	24,437.4	36,479.3	36,313.5
1995	5,133.4	5,133.4	7,975.9	7,975.9	13,109.3	13,109.3	7,560.0	8,272.5	13,898.8	13,774.7	21,458.8	22,047.2	12,693.4	13,405.9	21,874.7	21,750.6	34,568.0	35,156.5
1996	5,793.4	5,793.4	11,933.4	11,933.4	17,726.9	17,726.9	7,582.5	8,474.4	14,967.7	13,896.0	22,550.2	22,370.5	13,376.0	14,267.9	26,901.1	25,829.5	40,277.1	40,097.3
1997	10,809.7	10,989.5	20,027.8	20,025.8	30,837.5	31,015.4	8,785.0	8,945.8	15,369.9	14,914.9	24,154.9	23,860.7	19,594.7	19,935.4	35,397.7	34,940.7	54,992.4	54,876.1
1998	11,924.6	11,737.6	19,625.8	19,521.4	31,550.4	31,259.0	9,778.0	9,607.2	15,385.2	15,749.9	25,163.2	25,357.1	21,702.6	21,344.9	35,010.9	35,271.2	56,713.6	56,616.1
1999	12,103.5	12,139.8	19,655.8	19,682.7	31,759.2	31,822.5	9,592.4	9,625.6	15,622.5	15,450.3	25,215.0	25,076.0	21,695.9	21,765.5	35,278.3	35,133.0	56,974.2	56,898.5
2000	12,141.0	12,016.7	21,096.2	20,991.1	33,237.2	33,007.8	10,529.8	10,419.2	16,359.2	17,233.2	26,889.0	27,652.4	22,670.8	22,435.8	37,455.5	38,224.3	60,126.2	60,660.2
2001	8,894.0	8,831.6	17,837.4	17,857.4	26,731.4	26,688.9	10,661.1	10,590.3	17,640.6	17,033.3	28,301.7	27,623.6	19,555.1	19,421.9	35,478.0	34,890.6	55,033.1	54,312.6
2002	9,030.9	8,810.9	14,533.4	14,457.2	23,564.3	23,268.1	11,752.9	11,495.0	17,998.5	17,809.6	29,751.5	29,304.6	20,783.8	20,306.0	32,531.9	32,266.7	53,315.7	52,572.7
2003	8,380.0	8,277.7	15,002.0	15,038.0	23,382.0	23,315.7	9,051.0	11,527.8	20,091.3	19,264.7	29,142.3	30,792.5	17,431.0	19,805.5	35,093.3	34,302.7	52,524.3	54,108.2
2004	8,680.0	8,930.8	15,080.5	15,041.6	23,760.5	23,972.5	10,678.2	10,969.9	19,430.4	19,165.8	30,108.5	30,135.7	19,358.2	19,900.7	34,510.9	34,207.4	53,869.1	54,108.2
2005	9,390.9	9,235.9	15,821.8	15,703.2	25,212.7	24,939.1	12,212.4	12,029.5	19,587.7	18,980.2	31,800.1	31,009.7	21,603.3	21,265.4	35,409.5	34,683.4	57,012.7	55,948.8
2006	7,214.7	6,751.3	14,466.8	14,397.8	21,681.5	21,149.1	12,291.6	11,912.1	20,685.5	20,108.3	32,977.1	32,020.4	19,506.3	18,663.5	35,152.3	34,506.1	54,658.6	53,169.6
2007		6,452.3		10,916.2		17,368.5		12,179.2		20,791.4		32,970.6		18,631.5		31,707.6		50,339.1
2008		6,591.2		10,541.7		17,132.9		12,291.9		21,144.4		33,436.2		18,883.1		31,686.0		50,569.1
2009		6,721.4		10,811.9		17,533.2		12,480.8		21,860.2		34,341.0		19,202.2		32,672.1		51,874.2
2010		6,839.4		11,050.1		17,889.4		12,688.3		22,451.1		35,139.4		19,527.7		33,501.1		53,028.8
2011		6,962.5		11,297.0		18,259.5		12,931.9		23,029.1		35,961.0		19,894.4		34,326.1		54,220.5
2012		7,104.8		11,572.1		18,676.9		13,231.5		23,657.4		36,888.9		20,336.3		35,229.5		55,565.8
2013		7,242.5		11,852.7		19,095.2		13,528.1		24,290.8		37,819.0		20,770.6		36,143.5		56,914.1
2014		7,373.2		12,114.1		19,487.3		13,813.2		24,877.0		38,690.2		21,186.4		36,991.1		58,177.5
2015		7,491.5		12,353.4		19,844.9		14,073.0		25,414.0		39,486.9		21,564.5		37,767.4		59,331.9
2016		7,586.2		12,549.7		20,135.9		14,281.5		25,852.0		40,133.5		21,867.7		38,401.7		60,269.4
2017		7,675.9		12,729.1		20,404.9		14,479.6		26,249.9		40,729.6		22,155.5		38,979.0		61,134.5
2018		7,766.0		12,909.6		20,675.5		14,679.0		26,651.4		41,330.4		22,444.9		39,561.0		62,005.9
2019		7,855.0		13,087.0		20,942.0		14,876.1		27,044.9		41,921.0		22,731.1		40,131.9		62,863.0
2020		7,940.8		13,259.4		21,200.2		15,066.4		27,429.0		42,495.4		23,007.2		40,688.4		63,695.6
2021		8,012.8		13,408.2		21,421.0		15,225.9		27,759.8		42,985.7		23,238.8		41,168.0		64,406.7
2022		8,075.7		13,536.6		21,612.2		15,365.3		28,045.6		43,410.9		23,440.9		41,582.2		65,023.1
2023		8,131.6		13,649.6		21,781.2		15,489.2		28,297.6		43,786.8		23,620.7		41,947.2		65,567.9
2024		8,180.1		13,748.8		21,928.9		15,596.8		28,517.1		44,113.8		23,776.9		42,265.9		66,042.8
2025		8,228.9		13,845.8		22,074.7		15,705.1		28,733.4		44,438.4		23,934.0		42,579.2		66,513.2
2026		8,267.9		13,926.8		22,194.7		15,791.5		28,913.7		44,705.2		24,059.4		42,840.5		66,899.9
2027		8,303.4		13,998.3		22,301.7		15,870.2		29,072.3		44,942.5		24,173.7		43,070.6		67,244.2
2028		8,339.0		14,069.3		22,408.3		15,949.1		29,229.6		45,178.6		24,288.0		43,298.9		67,586.9
2029		8,376.7		14,143.6		22,520.3		16,032.7		29,394.4		45,427.1		24,409.4		43,538.0		67,947.4
2030		8,411.1		14,213.6		22,624.7		16,109.0		29,550.8		45,659.8		24,520.1		43,764.4		68,284.4
90-'06	-0.4%	-0.8%	1.0%	1.0%	0.5%	0.4%	3.5%	3.3%	2.5%	2.5%	2.9%	2.8%	1.8%	1.5%	1.9%	1.8%	1.8%	1.7%
07-'10		2.0%		0.4%		1.0%		1.4%		2.6%		2.1%		1.6%		1.9%		1.8%
10-'15		1.8%		2.3%		2.1%		2.1%		2.5%		2.4%		2.0%		2.4%		2.3%
15-'20		1.2%		1.4%		1.3%		1.4%		1.5%		1.5%		1.3%		1.5%		1.4%
20-'25		0.7%		0.9%		0.8%		0.8%		0.9%		0.9%		0.8%		0.9%		0.9%
25-'30		0.4%		0.5%		0.5%		0.5%		0.6%		0.5%		0.5%		0.6%		0.5%
07-'30		1.2%		1.2%		1.2%		1.2%		1.5%		1.4%		1.2%		1.4%		1.3%



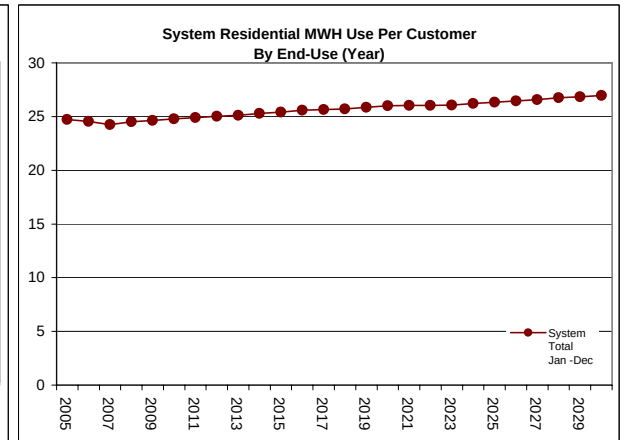
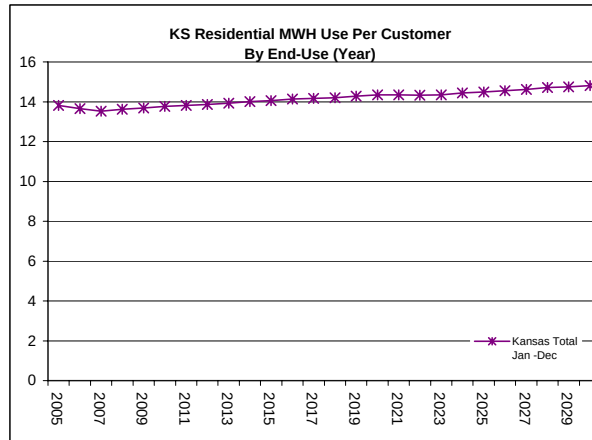
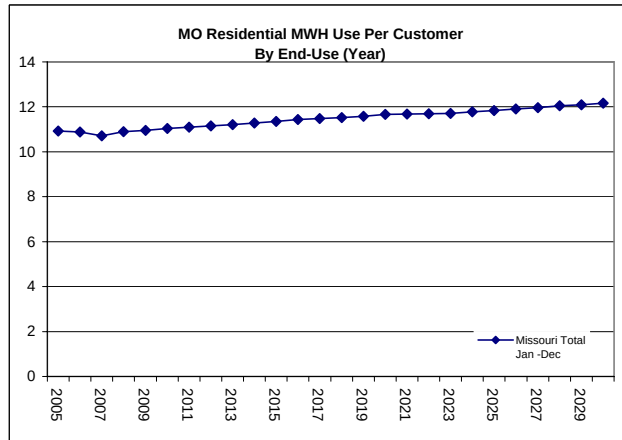
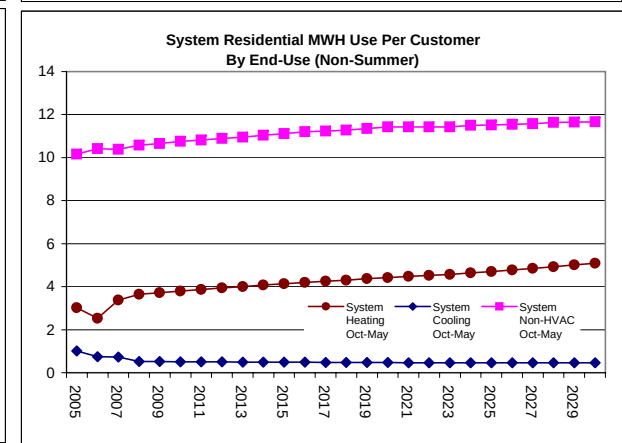
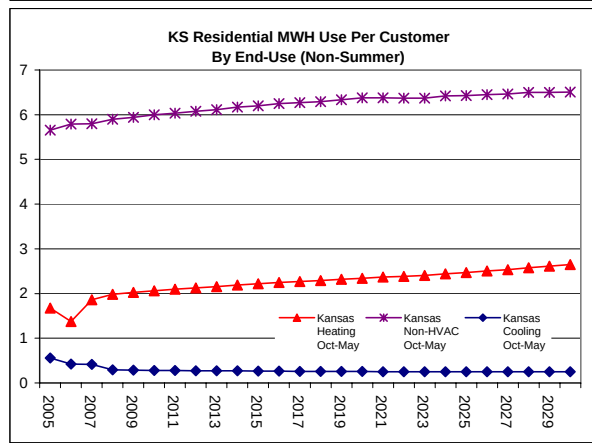
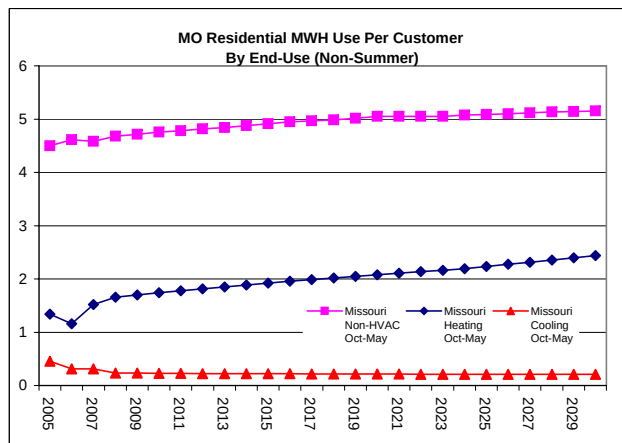
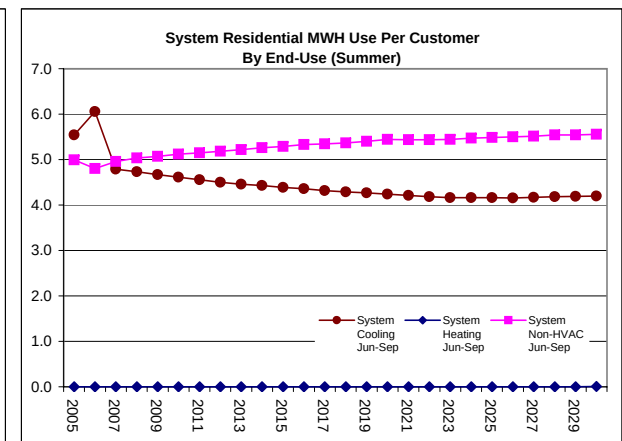
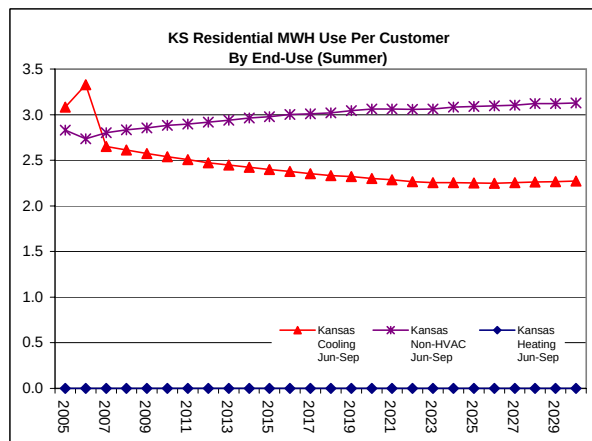
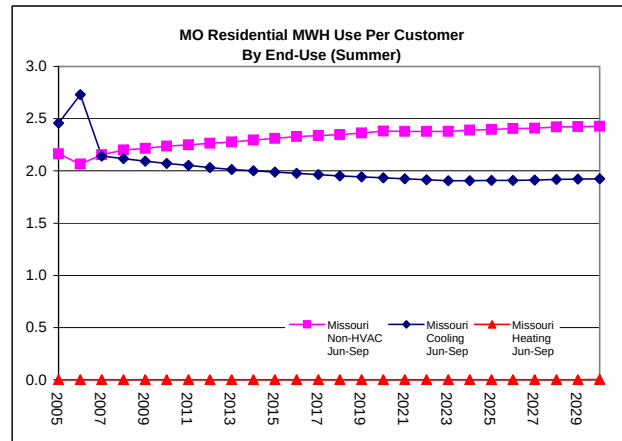
Plot H-56 Missouri & Kansas MWH Use Per Customer
(Actual vs. Weather Normalized)

Year	Actual Missouri Summer Jun-Sep	WN Missouri Summer Jun-Sep	Actual Missouri Non-Summer Oct-May	WN Missouri Non-Summer Oct-May	Actual Missouri Total Jan-Dec	WN Missouri Total Jan-Dec	Actual Kansas Summer Jun-Sep	WN Kansas Summer Jun-Sep	Actual Kansas Non-Summer Oct-May	WN Kansas Non-Summer Oct-May	Actual Kansas Total Jan-Dec	WN Kansas Total Jan-Dec	Actual System Summer Jun-Sep	WN System Summer Jun-Sep	Actual System Non-Summer Oct-May	WN System Non-Summer Oct-May	Actual System Total Jan-Dec	WN System Total Jan-Dec
1990	16,840.6	16,799.1	28,571.5	28,552.5	45,412.1	45,351.6	12,690.7	12,660.2	17,103.2	17,081.4	29,793.9	29,741.6	29,531.3	29,459.4	45,674.7	45,633.9	75,206.0	75,093.2
1991	18,532.1	18,403.3	29,130.9	29,037.2	47,663.1	47,440.4	13,042.4	12,951.9	17,845.0	17,780.8	30,887.4	30,732.7	31,574.5	31,355.2	46,976.0	46,817.9	78,550.5	78,173.1
1992	16,570.9	16,841.0	30,186.1	30,229.0	46,757.0	47,070.1	14,183.0	14,374.7	19,425.1	19,448.6	33,608.1	33,823.2	30,753.8	31,215.7	49,611.2	49,677.6	80,365.0	80,893.3
1993	17,180.1	17,248.7	30,625.3	30,698.9	47,805.4	47,947.5	14,506.7	14,557.5	19,958.7	20,014.2	34,465.4	34,571.7	31,686.9	31,806.2	50,584.0	50,713.1	82,270.9	82,519.3
1994	14,619.1	14,651.1	30,339.8	30,319.7	44,958.9	44,970.8	15,112.1	15,135.9	20,916.7	20,904.6	36,028.8	36,040.4	29,731.3	29,787.0	51,256.5	51,224.3	80,987.7	81,011.3
1995	16,042.2	16,073.5	27,319.6	27,391.2	43,361.8	43,464.7	15,799.8	15,822.9	22,461.0	22,517.5	38,260.7	38,340.4	31,842.0	31,896.4	49,780.6	49,908.7	81,622.5	81,805.1
1996	16,275.0	16,388.1	31,468.3	31,474.3	47,743.3	47,862.4	15,553.0	15,647.0	22,922.9	22,914.8	38,475.9	38,561.8	31,828.0	32,035.2	54,391.2	54,389.1	86,219.2	86,424.3
1997	21,901.2	22,164.6	39,891.6	39,936.1	61,792.9	62,100.6	15,301.7	15,368.9	21,516.5	21,548.2	36,818.1	36,917.1	37,202.9	37,533.4	61,408.1	61,484.3	98,611.0	99,017.7
1998	23,565.5	23,309.2	40,942.4	40,749.0	64,508.0	64,058.2	15,645.0	15,589.3	22,363.7	22,315.4	38,008.6	37,904.7	39,210.5	38,898.5	63,306.1	63,064.4	102,516.6	101,962.9
1999	23,732.6	23,562.3	40,620.9	40,916.3	64,353.5	64,478.6	16,026.3	15,950.7	21,866.7	22,018.4	37,893.1	37,969.2	39,758.9	39,513.0	62,487.7	62,934.8	102,246.6	102,447.8
2000	24,565.4	24,376.7	43,524.3	43,327.6	68,089.7	67,704.2	16,038.9	15,981.2	21,934.8	21,860.5	37,973.7	37,841.7	40,604.3	40,357.9	65,459.1	65,188.0	106,063.3	105,545.9
2001	21,421.8	21,354.4	40,967.3	40,895.2	62,389.2	62,249.6	14,568.0	14,562.7	21,726.7	21,645.3	36,294.8	36,208.0	35,989.9	35,917.1	62,694.0	62,540.5	98,683.9	98,457.6
2002	22,096.7	21,708.7	37,567.1	37,519.4	59,663.8	59,228.1	14,402.6	14,272.0	20,300.8	20,344.2	34,703.4	34,616.2	36,499.3	35,980.7	57,867.8	57,863.6	94,367.2	93,844.3
2003	21,174.7	21,034.4	38,953.7	38,972.0	60,128.4	60,006.4	14,668.4	14,636.7	20,705.4	20,690.9	35,373.8	35,327.5	35,843.1	35,671.0	59,659.1	59,662.9	95,502.2	95,333.9
2004	21,278.6	21,689.8	37,685.7	37,585.5	58,964.3	59,275.3	14,645.9	14,696.1	20,760.7	20,821.5	35,406.7	35,517.6	35,924.5	36,385.9	58,446.4	58,406.9	94,370.9	94,792.8
2005	20,998.6	20,727.7	38,466.6	38,252.2	59,465.3	58,979.9	15,138.5	15,037.6	21,300.5	21,249.8	36,439.1	36,287.4	36,137.2	35,765.3	59,767.2	59,502.1	95,904.3	95,267.4
2006	19,880.7	19,259.0	36,864.5	36,720.5	56,745.3	55,979.5	15,004.5	14,870.0	20,944.6	20,973.5	35,949.1	35,843.4	34,885.2	34,129.0	57,809.2	57,694.0	92,694.4	91,823.0
2007		19,023.1		33,923.1		52,946.1		15,147.1		21,216.0		36,363.1		34,170.2		55,139.1		89,309.3
2008		19,214.7		33,501.7		52,716.5		15,453.2		22,203.2		37,656.4		34,667.9		55,704.9		90,372.9
2009		19,497.9		34,041.0		53,538.9		15,557.4		22,440.3		37,997.6		35,055.2		56,481.3		91,536.5
2010		19,773.6		34,604.8		54,378.4		15,648.0		22,646.3		38,294.3		35,421.6		57,251.1		92,672.7
2011		20,052.9		35,175.4		55,228.3		15,717.7		22,772.2		38,489.9		35,770.5		57,947.6		93,718.2
2012		20,347.3		35,758.1		56,105.4		15,733.4		22,850.5		38,583.8		36,080.7		58,608.6		94,689.3
2013		20,641.8		36,357.2		56,999.0		15,790.8		22,977.0		38,767.8		36,432.5		59,334.2		95,766.8
2014		20,947.4		36,978.6		57,925.9		15,855.7		23,115.5		38,971.2		36,803.1		60,094.1		96,897.2
2015		21,218.9		37,539.7		58,758.6		15,864.4		23,200.5		39,064.9		37,083.3		60,740.2		97,823.5
2016		21,446.1		38,018.3		59,464.4		15,909.8		23,266.0		39,175.8		37,356.0		61,284.3		98,640.3
2017		21,642.2		38,464.8		60,107.0		15,951.2		23,366.8		39,318.0		37,593.5		61,831.5		99,425.0
2018		21,844.9		38,861.8		60,706.7		15,982.0		23,448.4		39,430.4		37,826.9		62,310.2		100,137.1
2019		22,063.3		39,294.0		61,357.3		16,014.6		23,512.2		39,526.8		38,077.9		62,806.2		100,884.1
2020		22,273.5		39,734.8		62,008.3		16,023.5		23,560.5		39,584.0		38,297.0		63,295.3		101,592.3
2021		22,425.2		40,052.1		62,477.2		16,051.7		23,616.8		39,668.5		38,476.8		63,668.9		102,145.7
2022		22,573.3		40,348.8		62,922.2		16,071.2		23,666.1		39,737.4		38,644.5		64,015.0		102,659.5
2023		22,697.7		40,601.9		63,299.6		16,092.7		23,710.2		39,802.8		38,790.3		64,312.1		103,102.4
2024		22,867.5		40,914.0		63,781.4		16,090.0		23,745.3		39,835.3		38,957.4		64,659.3		103,616.7
2025		23,060.7		41,286.5		64,347.2		16,139.4		23,803.0		39,942.4		39,200.1		65,089.5		104,289.6
2026		23,228.1		41,619.7		64,847.8		16,185.0		23,889.0		40,074.0		39,413.1		65,508.7		104,921.8
2027		23,396.1		41,950.1		65,346.2		16,230.7		23,976.1		40,206.9		39,626.8		65,926.2		105,553.0
2028		23,599.2		42,304.3		65,903.5		16,287.3		24,076.6		40,363.9		39,886.5		66,380.9		106,267.4
2029		23,807.5		42,695.8		66,503.2		16,301.3		24,150.3		40,451.6		40,108.8		66,846.0		106,954.8
2030		23,977.3		43,024.0		67,001.3		16,341.7		24,181.8		40,523.5		40,319.1		67,205.8		107,524.8
90-'06	1.0%	0.9%	1.6%	1.6%	1.4%	1.3%	1.1%	1.0%	1.3%	1.3%	1.2%	1.2%	1.0%	0.9%	1.5%	1.5%	1.3%	1.3%
07-'10		1.3%		0.7%		0.9%		1.1%		2.2%		1.7%		1.2%		1.3%		1.2%
10-'15		1.4%		1.6%		1.6%		0.3%		0.5%		0.4%		0.9%		1.2%		1.1%
15-'20		1.0%		1.1%		1.1%		0.2%		0.3%		0.3%		0.6%		0.8%		0.8%
20-'25		0.7%		0.8%		0.7%		0.1%		0.2%		0.2%		0.5%		0.6%		0.5%
25-'30		0.8%		0.8%		0.8%		0.2%		0.3%		0.3%		0.6%		0.6%		0.6%
07-'30		1.0%		1.0%		1.0%		0.3%		0.6%		0.5%		0.7%		0.9%		0.8%



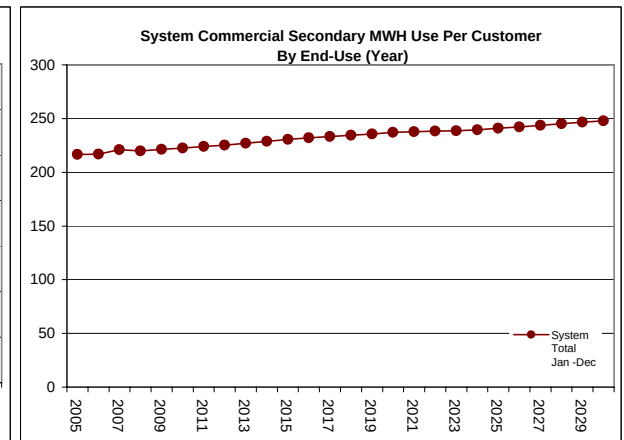
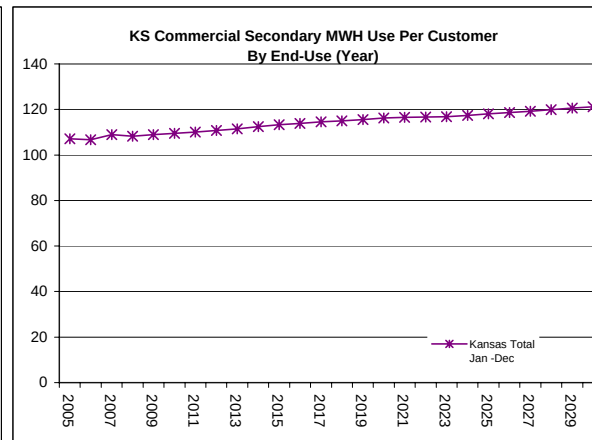
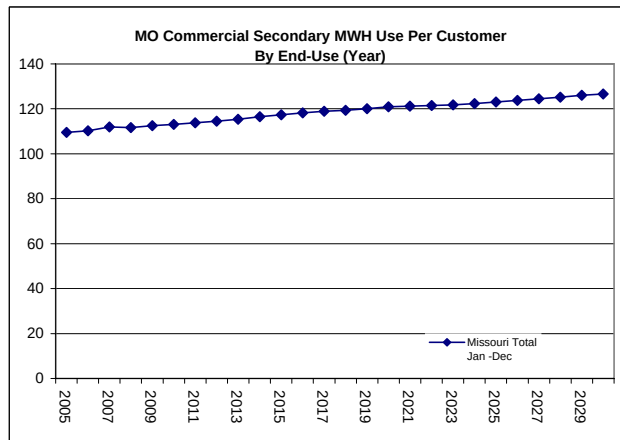
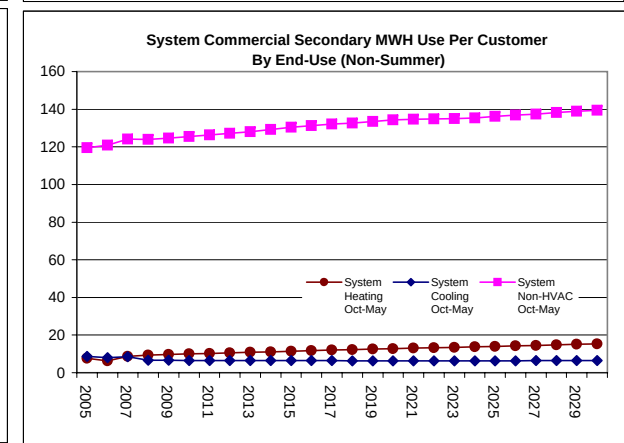
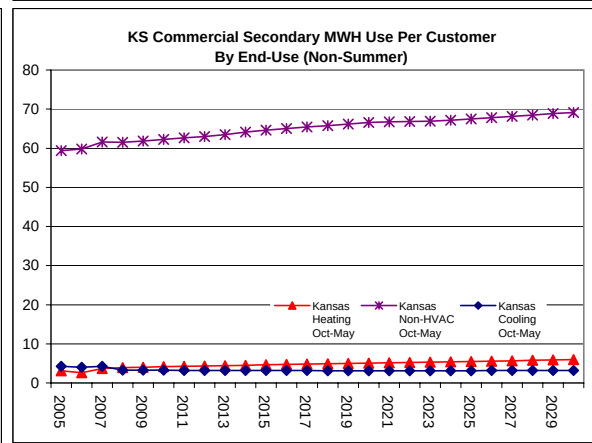
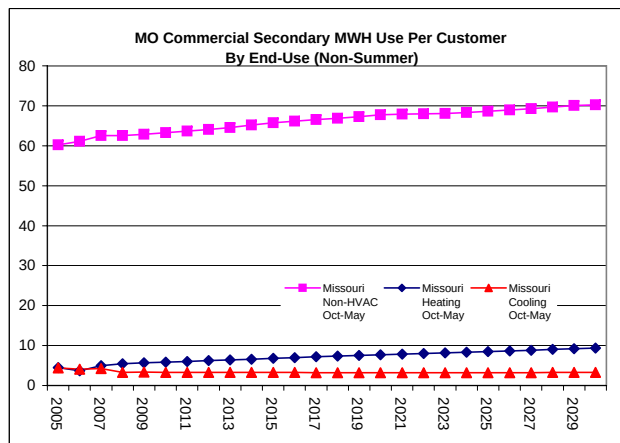
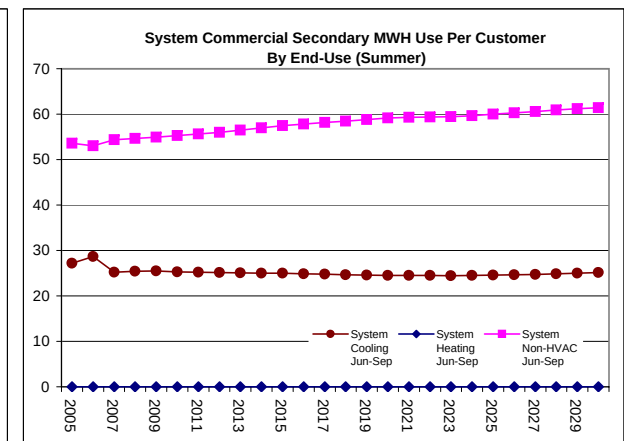
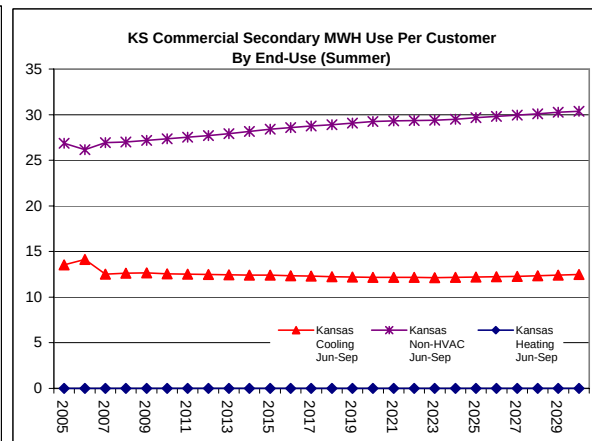
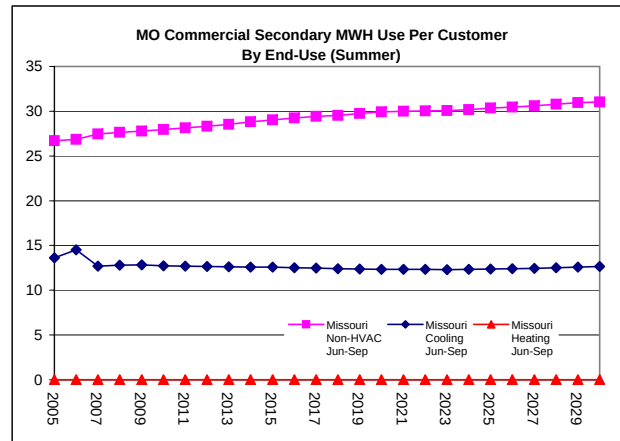
Plot H-57 Missouri & Kansas Residential MWH Use Per Customer By End-Use

Year	Missouri Cooling	Missouri Cooling	Missouri Heating	Missouri Heating	Missouri Non-HVAC	Missouri Non-HVAC	Missouri Total	Kansas Cooling	Kansas Cooling	Kansas Heating	Kansas Heating	Kansas Non-HVAC	Kansas Non-HVAC	Kansas Total	System Cooling	System Cooling	System Heating	System Heating	System Non-HVAC	System Non-HVAC	System Total
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	2.46	0.45	0.001	1.34	2.16	4.50	10.92	3.08	0.56	0.001	1.68	2.83	5.66	13.81	5.54	1.01	0.002	3.02	4.99	10.16	24.73
2006	2.73	0.32	0.000	1.16	2.07	4.62	10.89	3.33	0.42	0.000	1.37	2.74	5.79	13.65	6.06	0.74	0.000	2.54	4.80	10.41	24.54
2007	2.14	0.31	0.001	1.52	2.15	4.58	10.71	2.65	0.42	0.001	1.86	2.80	5.80	13.53	4.79	0.73	0.002	3.38	4.96	10.38	24.24
2008	2.12	0.24	0.001	1.66	2.20	4.68	10.89	2.61	0.29	0.001	1.98	2.83	5.90	13.62	4.73	0.52	0.002	3.64	5.03	10.58	24.51
2009	2.09	0.23	0.001	1.70	2.22	4.71	10.96	2.57	0.29	0.001	2.02	2.86	5.94	13.68	4.67	0.52	0.002	3.72	5.07	10.65	24.64
2010	2.07	0.23	0.001	1.74	2.24	4.76	11.04	2.54	0.28	0.001	2.06	2.88	6.00	13.76	4.61	0.51	0.002	3.80	5.12	10.75	24.80
2011	2.05	0.23	0.001	1.78	2.25	4.78	11.09	2.51	0.28	0.001	2.09	2.90	6.03	13.81	4.56	0.51	0.002	3.87	5.15	10.81	24.90
2012	2.03	0.23	0.001	1.81	2.27	4.82	11.16	2.47	0.27	0.001	2.12	2.92	6.08	13.87	4.50	0.50	0.002	3.94	5.19	10.90	25.02
2013	2.01	0.22	0.001	1.85	2.28	4.84	11.20	2.45	0.27	0.001	2.15	2.94	6.11	13.93	4.46	0.49	0.002	4.00	5.22	10.95	25.13
2014	2.00	0.22	0.001	1.89	2.30	4.88	11.29	2.42	0.27	0.001	2.19	2.96	6.17	14.02	4.43	0.49	0.002	4.08	5.26	11.04	25.30
2015	1.99	0.22	0.001	1.92	2.31	4.91	11.36	2.40	0.27	0.001	2.22	2.98	6.20	14.06	4.39	0.49	0.002	4.14	5.29	11.11	25.42
2016	1.98	0.22	0.001	1.96	2.33	4.95	11.43	2.38	0.26	0.001	2.24	3.00	6.25	14.14	4.36	0.48	0.002	4.20	5.33	11.20	25.58
2017	1.96	0.22	0.001	1.99	2.34	4.97	11.48	2.35	0.26	0.001	2.27	3.01	6.27	14.16	4.32	0.48	0.002	4.26	5.35	11.24	25.64
2018	1.95	0.22	0.001	2.02	2.35	4.99	11.52	2.33	0.26	0.001	2.29	3.02	6.29	14.19	4.29	0.47	0.002	4.31	5.37	11.28	25.71
2019	1.94	0.22	0.001	2.05	2.36	5.02	11.58	2.32	0.26	0.001	2.32	3.04	6.34	14.28	4.26	0.47	0.002	4.37	5.40	11.35	25.86
2020	1.94	0.22	0.001	2.08	2.38	5.05	11.67	2.30	0.26	0.001	2.34	3.06	6.38	14.34	4.24	0.47	0.002	4.42	5.44	11.43	26.01
2021	1.93	0.21	0.001	2.11	2.38	5.05	11.68	2.29	0.25	0.001	2.37	3.06	6.38	14.35	4.21	0.47	0.002	4.48	5.44	11.43	26.02
2022	1.92	0.21	0.001	2.14	2.38	5.05	11.70	2.27	0.25	0.001	2.39	3.06	6.37	14.34	4.18	0.46	0.002	4.52	5.44	11.43	26.03
2023	1.91	0.21	0.001	2.16	2.38	5.05	11.71	2.26	0.25	0.001	2.40	3.06	6.37	14.35	4.16	0.46	0.002	4.57	5.44	11.42	26.06
2024	1.91	0.21	0.001	2.20	2.39	5.08	11.78	2.25	0.25	0.001	2.44	3.08	6.42	14.45	4.16	0.46	0.002	4.64	5.47	11.50	26.23
2025	1.91	0.21	0.001	2.24	2.40	5.09	11.84	2.25	0.25	0.001	2.47	3.09	6.43	14.49	4.16	0.46	0.002	4.71	5.49	11.52	26.33
2026	1.91	0.21	0.001	2.27	2.40	5.10	11.90	2.25	0.25	0.002	2.50	3.10	6.45	14.55	4.16	0.46	0.003	4.78	5.50	11.55	26.45
2027	1.91	0.21	0.001	2.31	2.41	5.12	11.96	2.26	0.25	0.002	2.54	3.10	6.46	14.61	4.17	0.46	0.003	4.85	5.51	11.58	26.57
2028	1.92	0.21	0.001	2.35	2.42	5.14	12.04	2.26	0.25	0.002	2.58	3.12	6.50	14.71	4.18	0.46	0.003	4.93	5.54	11.63	26.75
2029	1.92	0.21	0.001	2.40	2.42	5.14	12.10	2.27	0.25	0.002	2.61	3.12	6.50	14.75	4.19	0.46	0.003	5.01	5.54	11.64	26.85
2030	1.93	0.21	0.002	2.44	2.43	5.15	12.16	2.27	0.25	0.002	2.65	3.13	6.51	14.81	4.20	0.47	0.004	5.08	5.56	11.66	26.96
05-'07	-6.7%	-17.1%	0.0%	6.4%	-0.2%	0.9%	-1.0%	-7.3%	-13.8%	34.2%	5.2%	-0.5%	1.3%	-1.0%	-7.0%	-15.3%	14.7%	5.8%	-0.4%	1.1%	-1.0%
08-'10	-1.0%	-1.1%	0.0%	2.4%	0.9%	0.8%	0.7%	-1.4%	-1.4%	2.5%	2.0%	0.8%	0.8%	0.5%	-1.2%	-1.3%	1.4%	2.2%	0.8%	0.8%	0.6%
10-'20	-0.7%	-0.7%	0.0%	1.8%	0.6%	0.6%	0.6%	-1.0%	-1.0%	1.3%	1.3%	0.6%	0.6%	0.4%	-0.8%	-0.8%	0.7%	1.5%	0.6%	0.6%	0.5%
20-'30	-0.1%	-0.1%	7.2%	1.6%	0.2%	0.2%	0.4%	-0.1%	-0.1%	1.2%	1.2%	0.2%	0.2%	0.3%	-0.1%	-0.1%	4.1%	1.4%	0.2%	0.2%	0.4%
07-'30	-0.5%	-1.6%	3.1%	2.1%	0.5%	0.5%	0.6%	-0.7%	-2.1%	1.4%	1.6%	0.5%	0.5%	0.4%	-0.6%	-1.9%	2.2%	1.8%	0.5%	0.5%	0.5%



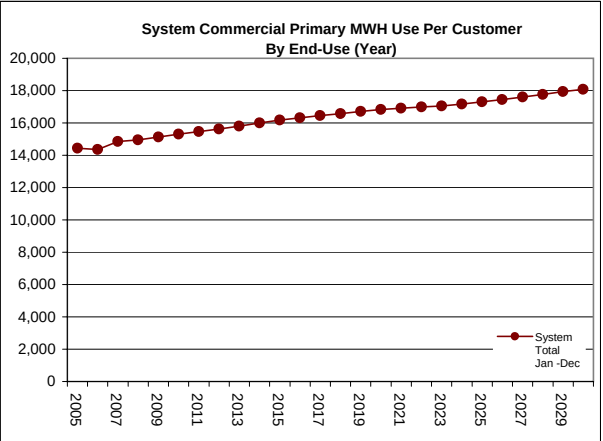
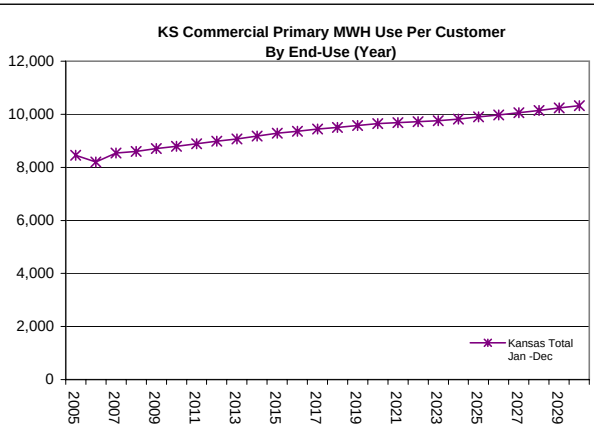
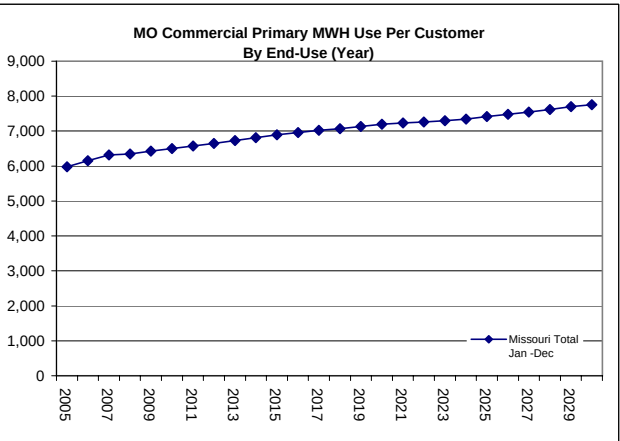
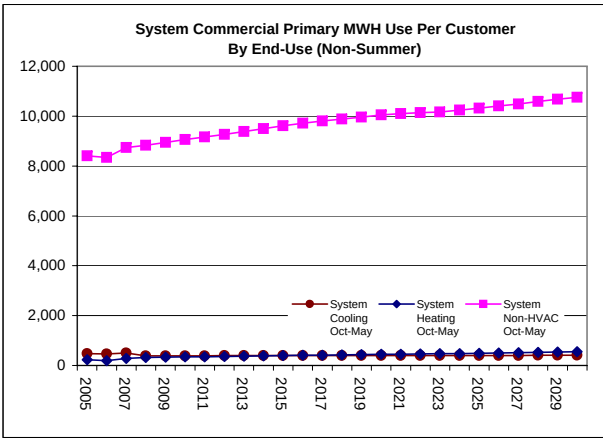
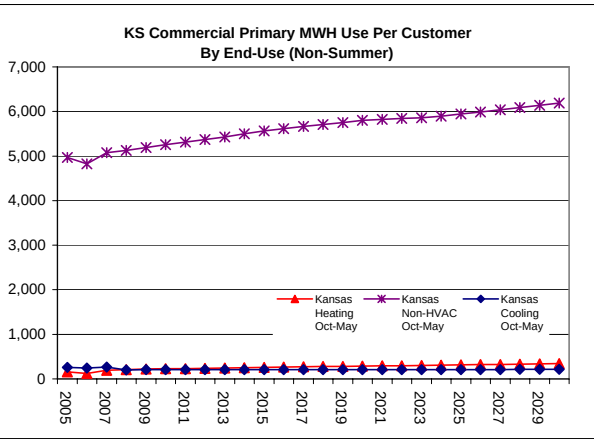
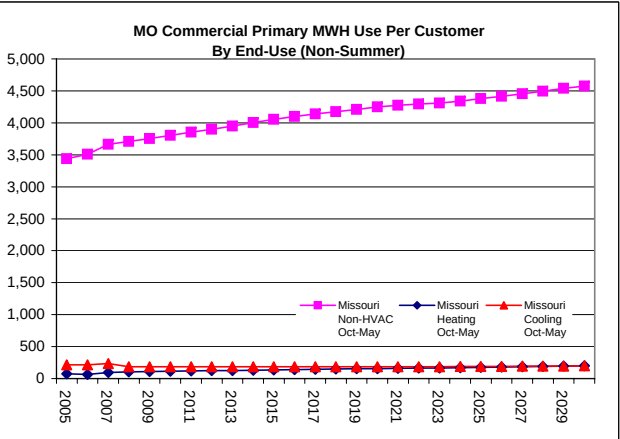
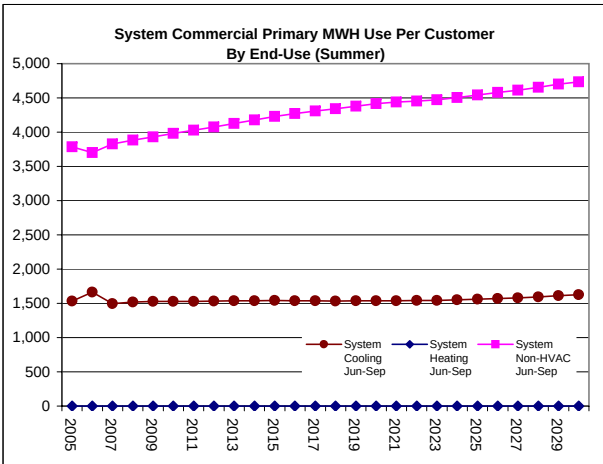
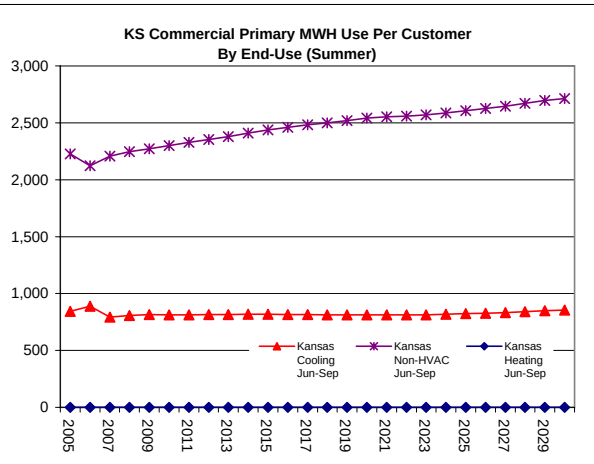
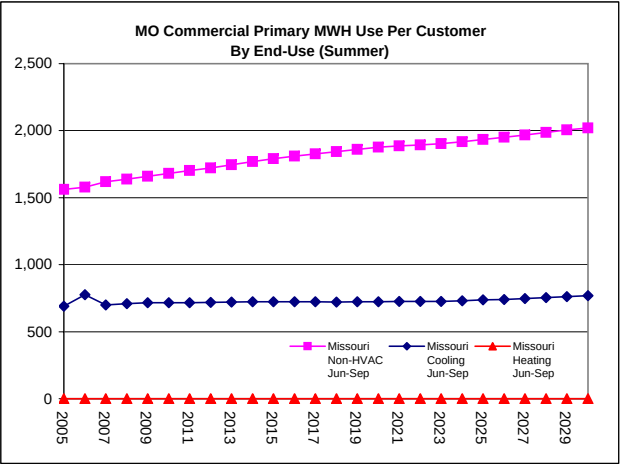
Plot H-58 Missouri & Kansas Commercial Secondary MWH Use Per Customer By End-Use

Year	Missouri Cooling	Missouri Cooling	Missouri Heating	Missouri Heating	Missouri Non-HVAC	Missouri Non-HVAC	Missouri Total	Kansas Cooling	Kansas Cooling	Kansas Heating	Kansas Heating	Kansas Non-HVAC	Kansas Non-HVAC	Kansas Total	System Cooling	System Cooling	System Heating	System Heating	System Non-HVAC	System Non-HVAC	System Total
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	13.62	4.40	0.003	4.46	26.72	60.25	109.45	13.54	4.26	0.001	3.15	26.86	59.35	107.17	27.16	8.66	0.00	7.61	53.58	119.61	216.62
2006	14.51	4.05	0.001	3.70	26.85	61.07	110.18	14.14	3.98	0.001	2.63	26.16	59.76	106.66	28.65	8.02	0.00	6.32	53.01	120.82	216.83
2007	12.71	4.25	0.003	4.99	27.46	62.54	111.94	12.53	4.22	0.003	3.67	26.93	61.61	108.97	25.24	8.48	0.01	8.66	54.39	124.14	220.91
2008	12.80	3.32	0.004	5.44	27.62	62.53	111.71	12.63	3.25	0.003	3.92	27.01	61.48	108.28	25.42	6.57	0.01	9.36	54.63	124.01	219.99
2009	12.83	3.33	0.004	5.66	27.78	62.87	112.47	12.66	3.26	0.003	4.04	27.16	61.83	108.96	25.49	6.59	0.01	9.69	54.94	124.71	221.42
2010	12.74	3.31	0.004	5.85	27.96	63.28	113.14	12.57	3.24	0.003	4.14	27.34	62.23	109.52	25.31	6.54	0.01	9.99	55.30	125.51	222.66
2011	12.68	3.29	0.004	6.03	28.14	63.68	113.82	12.51	3.22	0.003	4.23	27.52	62.63	110.10	25.18	6.51	0.01	10.27	55.65	126.31	223.93
2012	12.65	3.28	0.004	6.22	28.32	64.09	114.56	12.49	3.21	0.003	4.33	27.69	63.03	110.75	25.14	6.50	0.01	10.54	56.01	127.11	225.30
2013	12.62	3.27	0.004	6.40	28.54	64.58	115.41	12.45	3.20	0.003	4.42	27.91	63.50	111.49	25.06	6.48	0.01	10.82	56.45	128.08	226.90
2014	12.60	3.27	0.004	6.60	28.81	65.18	116.47	12.43	3.20	0.003	4.53	28.17	64.10	112.44	25.03	6.47	0.01	11.13	56.99	129.29	228.90
2015	12.57	3.26	0.004	6.80	29.04	65.73	117.40	12.40	3.19	0.003	4.63	28.40	64.63	113.26	24.97	6.45	0.01	11.43	57.44	130.36	230.66
2016	12.51	3.25	0.005	6.99	29.24	66.17	118.16	12.35	3.18	0.003	4.73	28.59	65.07	113.92	24.86	6.42	0.01	11.72	57.83	131.24	232.08
2017	12.46	3.23	0.005	7.18	29.41	66.59	118.87	12.30	3.17	0.004	4.83	28.76	65.48	114.53	24.76	6.40	0.01	12.00	58.18	132.06	233.41
2018	12.39	3.21	0.005	7.35	29.55	66.89	119.40	12.23	3.15	0.004	4.92	28.90	65.78	114.97	24.62	6.36	0.01	12.27	58.44	132.67	234.37
2019	12.37	3.21	0.005	7.53	29.74	67.29	120.13	12.21	3.14	0.004	5.01	29.08	66.16	115.60	24.58	6.35	0.01	12.54	58.81	133.45	235.74
2020	12.35	3.20	0.005	7.70	29.92	67.73	120.90	12.18	3.14	0.004	5.10	29.26	66.60	116.27	24.53	6.34	0.01	12.79	59.18	134.33	237.17
2021	12.34	3.20	0.005	7.85	29.99	67.88	121.25	12.17	3.13	0.004	5.17	29.32	66.75	116.55	24.51	6.33	0.01	13.02	59.31	134.62	237.80
2022	12.32	3.19	0.005	7.99	30.02	67.98	121.50	12.15	3.13	0.004	5.24	29.35	66.84	116.72	24.47	6.32	0.01	13.24	59.37	134.81	238.22
2023	12.29	3.19	0.005	8.13	30.05	68.04	121.71	12.13	3.12	0.004	5.31	29.39	66.90	116.86	24.42	6.31	0.01	13.44	59.44	134.94	238.57
2024	12.33	3.20	0.005	8.30	30.17	68.28	122.28	12.16	3.13	0.004	5.39	29.51	67.14	117.33	24.49	6.33	0.01	13.69	59.68	135.42	239.61
2025	12.37	3.21	0.006	8.48	30.34	68.66	123.06	12.21	3.14	0.004	5.50	29.67	67.51	118.02	24.58	6.35	0.01	13.98	60.00	136.17	241.08
2026	12.40	3.22	0.006	8.66	30.47	68.98	123.73	12.24	3.15	0.004	5.59	29.80	67.82	118.60	24.64	6.37	0.01	14.25	60.27	136.80	242.33
2027	12.45	3.23	0.006	8.84	30.62	69.30	124.43	12.29	3.16	0.004	5.68	29.94	68.13	119.20	24.74	6.39	0.01	14.52	60.55	137.43	243.63
2028	12.52	3.25	0.006	9.02	30.79	69.67	125.25	12.35	3.18	0.004	5.78	30.10	68.50	119.92	24.87	6.43	0.01	14.81	60.89	138.16	245.17
2029	12.60	3.27	0.006	9.22	30.95	70.06	126.10	12.43	3.20	0.004	5.89	30.27	68.88	120.67	25.03	6.47	0.01	15.10	61.22	138.95	246.77
2030	12.65	3.28	0.006	9.40	31.04	70.27	126.63	12.48	3.21	0.004	5.98	30.36	69.09	121.12	25.12	6.49	0.01	15.38	61.40	139.35	247.75
05-'07	-3.4%	-1.7%	0.0%	5.7%	1.4%	1.9%	1.1%	-3.8%	-0.4%	73.2%	8.0%	0.1%	1.9%	0.8%	-3.6%	-1.1%	22.5%	6.7%	0.7%	1.9%	1.0%
08-'10	-0.2%	-0.2%	0.0%	3.7%	0.6%	0.6%	0.6%	-0.2%	-0.2%	0.0%	2.8%	0.6%	0.6%	0.6%	-0.2%	-0.2%	0.0%	3.3%	0.6%	0.6%	0.6%
10-'20	-0.3%	-0.3%	2.3%	2.8%	0.7%	0.7%	0.7%	-0.3%	-0.3%	2.9%	2.1%	0.7%	0.7%	0.6%	-0.3%	-0.3%	2.5%	2.5%	0.7%	0.7%	0.6%
20-'30	0.2%	0.2%	1.8%	2.0%	0.4%	0.4%	0.5%	0.2%	0.2%	0.0%	1.6%	0.4%	0.4%	0.4%	0.2%	0.2%	1.1%	1.9%	0.4%	0.4%	0.4%
07-'30	0.0%	-1.1%	3.1%	2.8%	0.5%	0.5%	0.5%	0.0%	-1.2%	1.3%	2.1%	0.5%	0.5%	0.5%	0.0%	-1.2%	2.2%	2.5%	0.5%	0.5%	0.5%



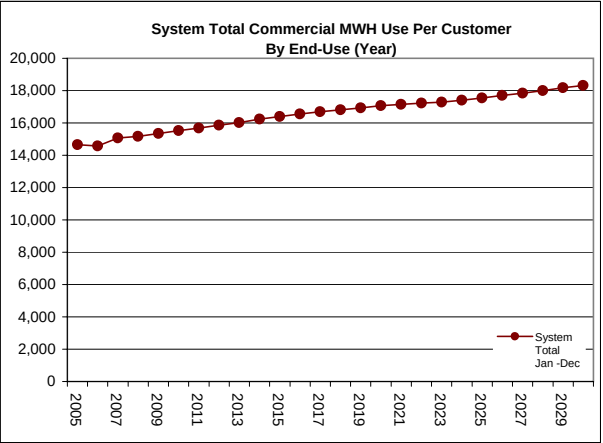
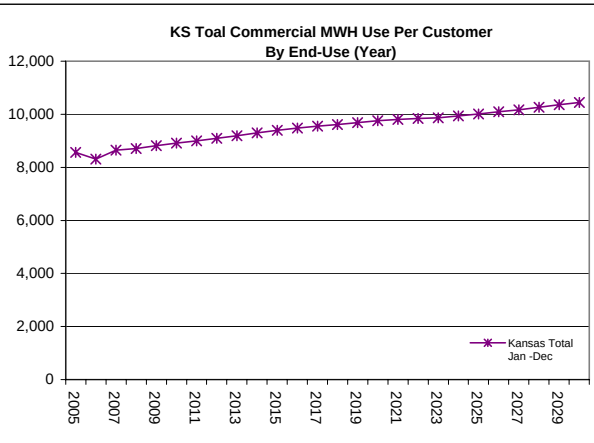
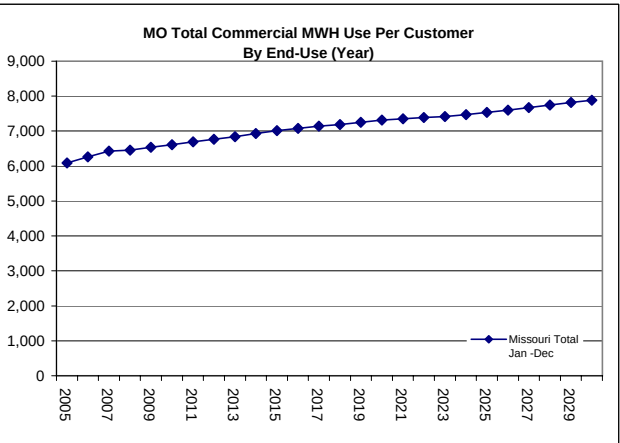
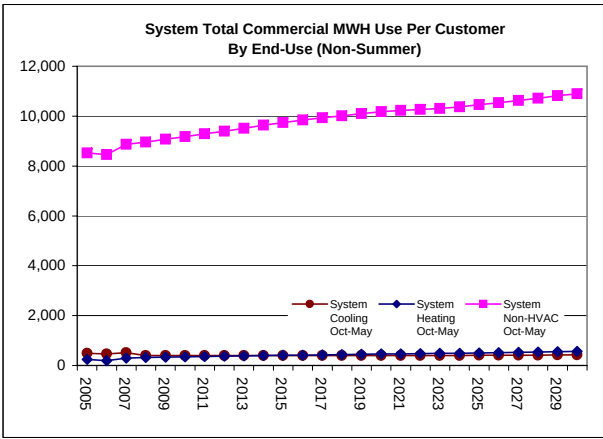
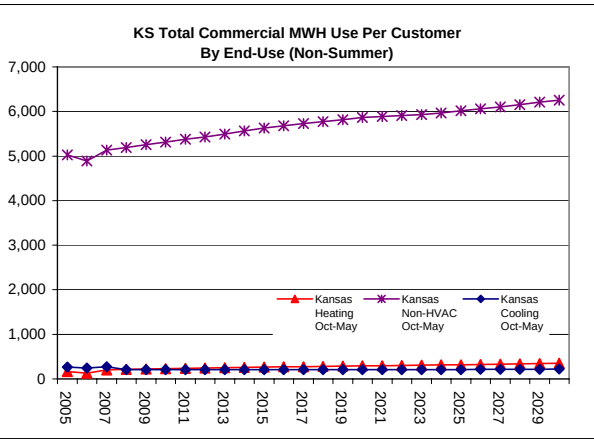
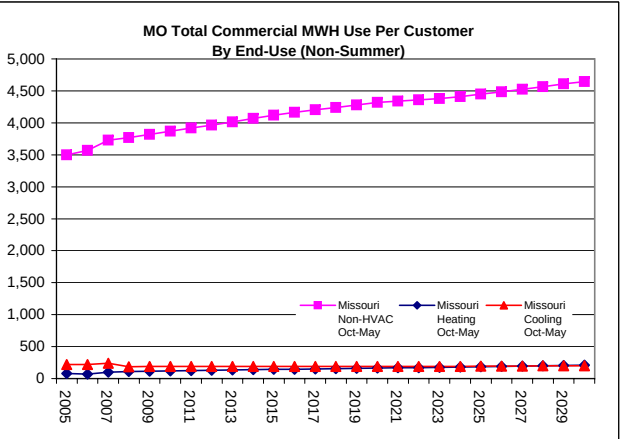
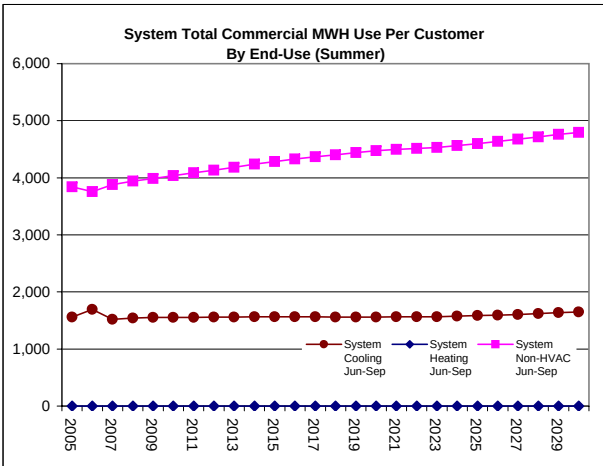
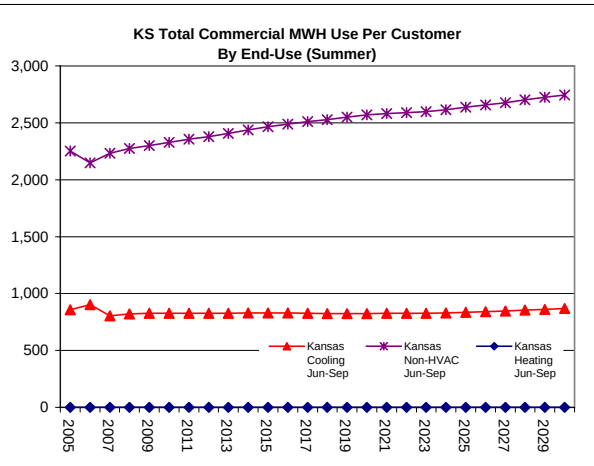
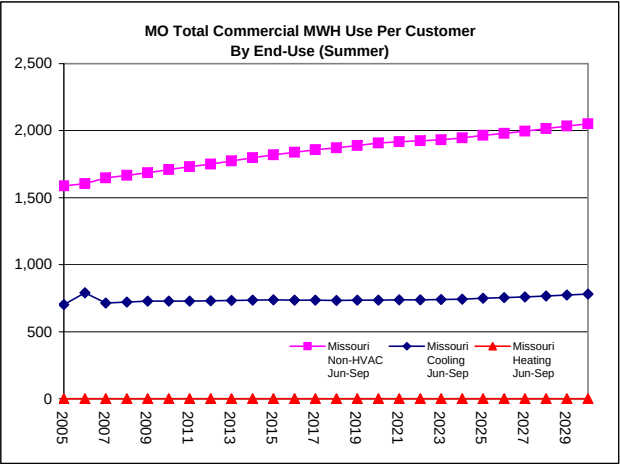
Plot H-59 Missouri & Kansas Commercial Primary MWH Use Per Customer By End-Use

	Missouri Cooling	Missouri Cooling	Missouri Heating	Missouri Heating	Missouri Non-HVAC	Missouri Non-HVAC	Missouri Total	Kansas Cooling	Kansas Cooling	Kansas Heating	Kansas Heating	Kansas Non-HVAC	Kansas Non-HVAC	Kansas Total	System Cooling	System Cooling	System Heating	System Heating	System Non-HVAC	System Non-HVAC	System Total
Year	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	689.30	215.46	0.05	77.19	1,561.03	3,438.79	5,981.82	842.65	259.78	0.00	158.84	2,225.53	4,969.88	8,456.67	1,531.95	475.24	0.05	236.03	3,786.55	8,408.66	14,438.49
2006	775.63	216.95	0.01	67.27	1,578.74	3,509.73	6,148.34	889.51	240.56	0.00	124.64	2,122.84	4,827.57	8,205.12	1,665.13	457.51	0.01	191.92	3,701.58	8,337.31	14,353.46
2007	700.40	235.56	0.06	94.59	1,619.73	3,665.68	6,316.03	792.62	265.70	0.00	194.10	2,206.42	5,073.90	8,532.74	1,493.02	501.26	0.06	288.68	3,826.16	8,739.58	14,848.76
2008	708.95	183.08	0.07	104.59	1,638.05	3,708.29	6,343.03	807.62	204.47	0.00	211.74	2,246.60	5,127.83	8,598.26	1,516.57	387.56	0.07	316.32	3,884.66	8,836.11	14,941.29
2009	715.82	184.71	0.07	109.56	1,659.12	3,755.32	6,424.59	814.06	206.10	0.00	219.65	2,271.98	5,190.50	8,702.30	1,529.88	390.81	0.07	329.21	3,931.10	8,945.82	15,126.88
2010	715.77	184.71	0.07	114.09	1,681.44	3,805.38	6,501.46	813.21	205.82	0.00	226.32	2,300.62	5,251.99	8,797.97	1,528.99	390.53	0.07	340.41	3,982.06	9,057.38	15,299.44
2011	716.41	184.87	0.08	118.44	1,702.35	3,853.21	6,575.35	813.11	205.72	0.00	232.62	2,327.30	5,311.72	8,890.47	1,529.52	390.59	0.08	351.06	4,029.65	9,164.93	15,465.83
2012	719.16	185.57	0.09	122.67	1,722.67	3,898.68	6,648.83	815.06	206.21	0.00	238.78	2,351.99	5,367.01	8,979.04	1,534.23	391.78	0.09	361.45	4,074.66	9,265.68	15,627.88
2013	720.53	185.92	0.09	126.99	1,745.09	3,948.47	6,727.09	815.42	206.38	0.00	245.08	2,379.48	5,428.83	9,075.19	1,535.95	392.30	0.09	372.07	4,124.57	9,377.30	15,802.28
2014	722.58	186.55	0.09	131.61	1,769.11	4,005.15	6,815.10	817.05	206.73	0.00	251.79	2,410.56	5,497.78	9,183.91	1,539.64	393.28	0.09	383.40	4,179.67	9,502.93	15,999.01
2015	724.13	186.82	0.09	136.11	1,791.05	4,054.54	6,892.74	817.35	206.88	0.00	258.50	2,436.40	5,561.51	9,280.65	1,541.49	393.70	0.09	394.61	4,227.45	9,616.05	16,173.39
2016	723.56	186.76	0.10	140.43	1,809.89	4,098.67	6,959.41	816.03	206.51	0.00	264.70	2,460.31	5,614.01	9,361.55	1,539.58	393.26	0.10	405.13	4,270.19	9,712.69	16,320.96
2017	723.28	186.64	0.10	144.75	1,827.37	4,139.78	7,021.93	814.89	206.16	0.00	270.99	2,481.74	5,664.01	9,437.79	1,538.17	392.81	0.10	415.74	4,309.11	9,803.79	16,459.72
2018	721.85	186.21	0.10	148.79	1,842.43	4,172.70	7,072.08	812.35	205.50	0.00	276.72	2,499.69	5,704.82	9,499.07	1,534.19	391.71	0.10	425.51	4,342.12	9,877.52	16,571.15
2019	722.89	186.55	0.10	152.80	1,859.80	4,210.83	7,132.97	812.43	205.64	0.00	282.32	2,520.09	5,750.14	9,570.63	1,535.32	392.19	0.10	435.12	4,379.89	9,960.97	16,703.59
2020	723.65	186.70	0.10	156.74	1,876.87	4,250.95	7,195.02	812.29	205.60	0.00	287.73	2,540.41	5,797.76	9,643.79	1,535.94	392.31	0.10	444.46	4,417.28	10,048.72	16,838.81
2021	725.09	187.09	0.11	160.34	1,886.55	4,273.37	7,232.56	813.52	205.78	0.00	292.62	2,552.33	5,822.12	9,686.37	1,538.61	392.88	0.11	452.96	4,438.88	10,095.49	16,918.94
2022	726.21	187.31	0.11	163.79	1,894.40	4,291.83	7,263.65	813.65	205.91	0.00	297.30	2,559.63	5,842.69	9,719.17	1,539.86	393.22	0.11	461.08	4,454.03	10,134.52	16,982.82
2023	726.97	187.56	0.11	167.20	1,902.44	4,309.66	7,293.94	813.96	205.93	0.00	301.82	2,568.92	5,860.61	9,751.24	1,540.93	393.49	0.11	469.02	4,471.36	10,170.27	17,045.18
2024	731.28	188.70	0.11	171.09	1,916.61	4,339.21	7,346.99	818.07	207.05	0.00	307.35	2,585.94	5,896.71	9,815.12	1,549.35	395.75	0.11	478.44	4,502.55	10,235.92	17,162.12
2025	736.82	190.08	0.12	175.58	1,934.19	4,379.02	7,415.81	823.16	208.36	0.00	313.82	2,606.45	5,945.42	9,897.21	1,559.98	398.45	0.12	489.40	4,540.64	10,324.44	17,313.02
2026	741.27	191.24	0.12	179.90	1,950.12	4,415.94	7,478.59	827.79	209.40	0.00	320.04	2,627.09	5,989.47	9,973.79	1,569.06	400.65	0.12	499.94	4,577.20	10,405.41	17,452.38
2027	747.15	192.75	0.13	184.32	1,966.73	4,453.55	7,544.62	833.53	210.86	0.00	326.38	2,646.95	6,034.85	10,052.58	1,580.68	403.60	0.13	510.70	4,613.68	10,488.40	17,597.20
2028	754.38	194.61	0.13	188.98	1,985.53	4,495.27	7,618.90	841.05	212.77	0.00	333.23	2,670.76	6,087.54	10,145.36	1,595.44	407.39	0.13	522.21	4,656.29	10,582.80	17,764.25
2029	762.07	196.58	0.13	193.78	2,004.56	4,538.98	7,696.11	849.29	214.75	0.00	340.34	2,695.53	6,141.51	10,241.41	1,611.35	411.33	0.13	534.12	4,700.09	10,680.49	17,937.51
2030	768.38	198.20	0.13	198.44	2,019.22	4,572.33	7,756.70	855.46	216.52	0.00	347.39	2,712.66	6,186.93	10,318.97	1,623.84	414.72	0.13	545.83	4,731.88	10,759.26	18,075.66
05-'07	0.8%	4.6%	15.2%	10.7%	1.9%	3.2%	2.8%	-3.0%	1.1%	0.0%	10.5%	-0.4%	1.0%	0.4%	-1.3%	2.7%	15.2%	10.6%	0.5%	1.9%	1.4%
08-'10	0.5%	0.4%	4.2%	4.4%	1.3%	1.3%	1.2%	0.3%	0.3%	0.0%	3.4%	1.2%	1.2%	1.2%	0.4%	0.4%	4.2%	3.7%	1.2%	1.2%	1.2%
10-'20	0.1%	0.1%	3.1%	3.2%	1.1%	1.1%	1.0%	0.0%	0.0%	0.0%	2.4%	1.0%	1.0%	0.9%	0.0%	0.0%	3.1%	2.7%	1.0%	1.0%	1.0%
20-'30	0.6%	0.6%	2.7%	2.4%	0.7%	0.7%	0.8%	0.5%	0.5%	0.0%	1.9%	0.7%	0.7%	0.7%	0.6%	0.6%	2.7%	2.1%	0.7%	0.7%	0.7%
07-'30	0.4%	-0.7%	3.3%	3.3%	1.0%	1.0%	0.9%	0.3%	-0.9%	0.0%	2.6%	0.9%	0.9%	0.8%	0.4%	-0.8%	3.3%	2.8%	0.9%	0.9%	0.9%



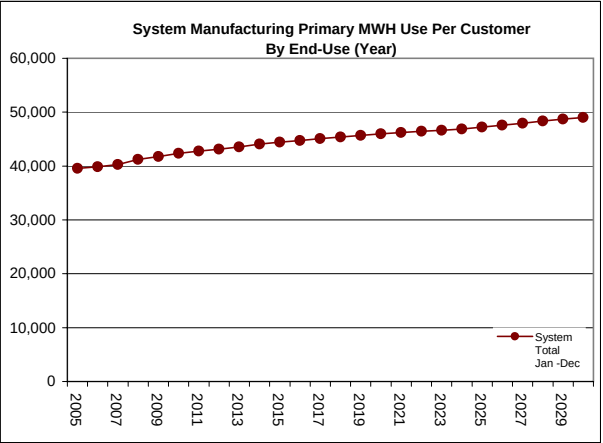
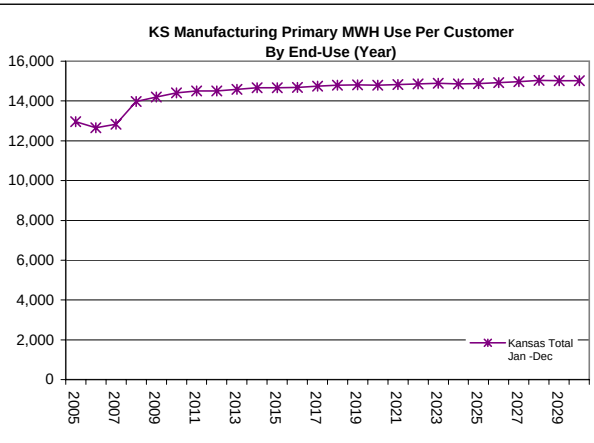
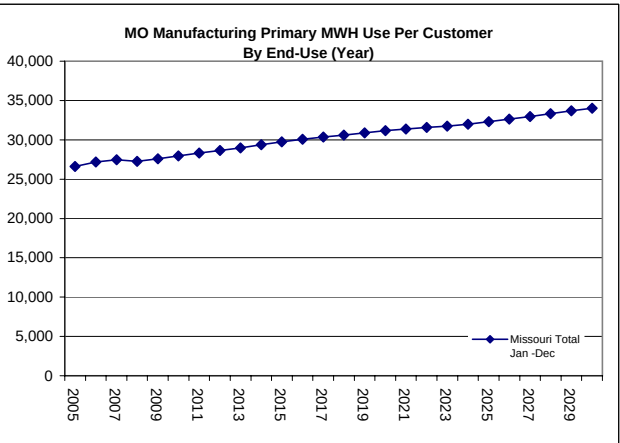
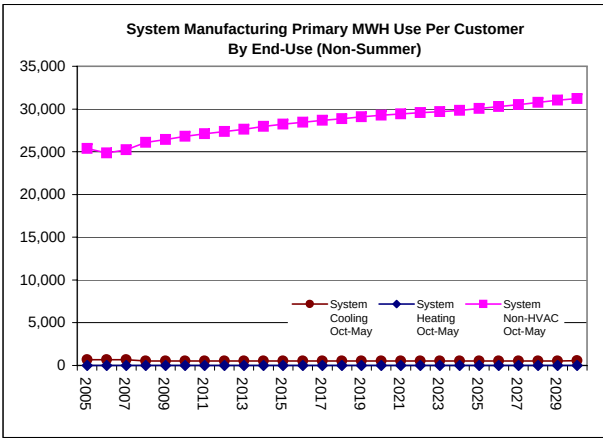
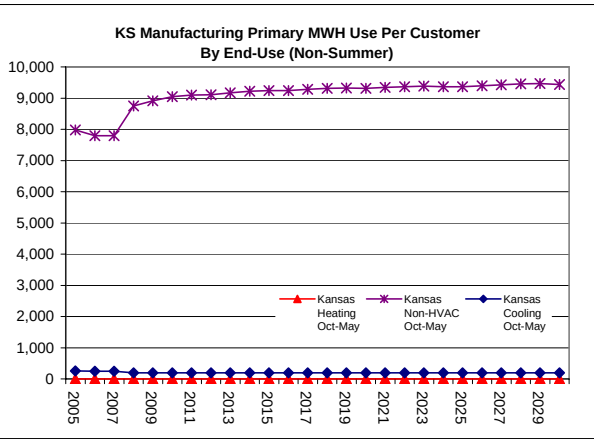
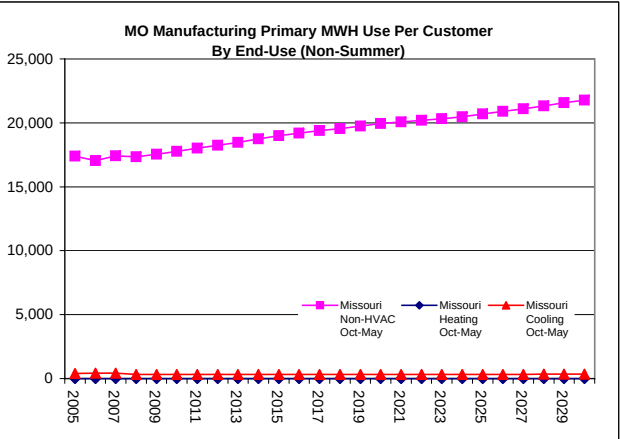
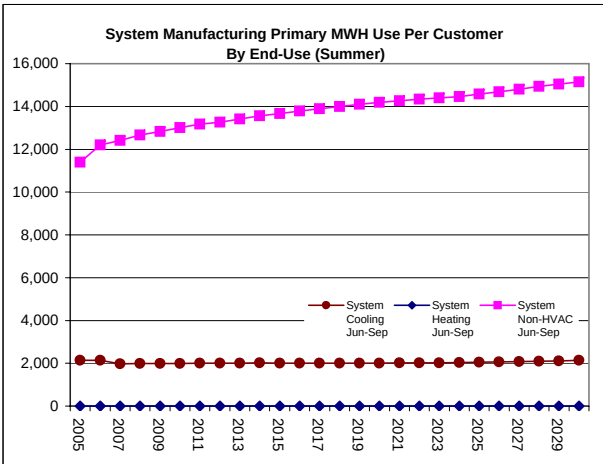
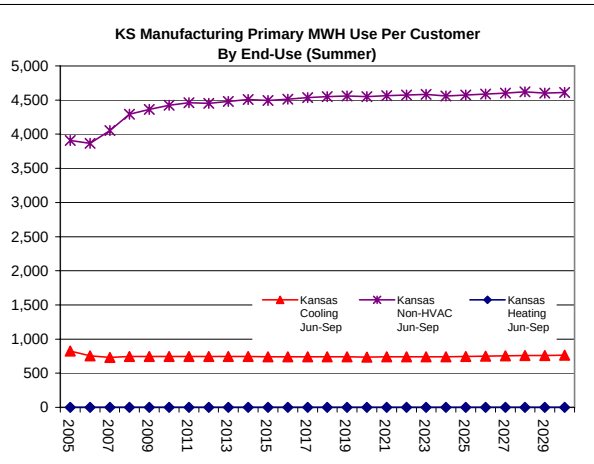
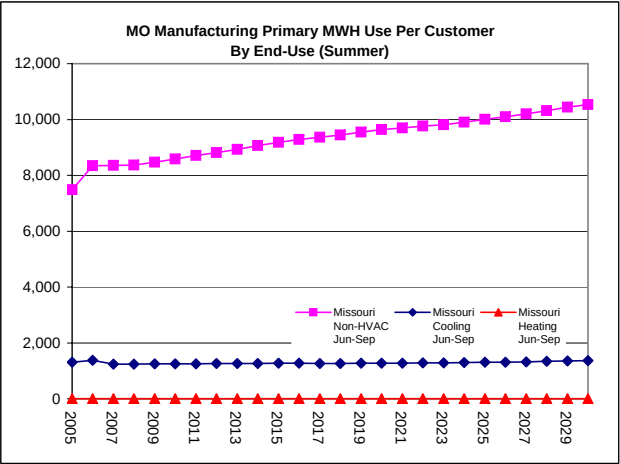
Plot H-60 Missouri & Kansas Total Commercial MWH Use Per Customer By End-Use

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan -Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan -Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan -Dec
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	702.91	219.86	0.05	81.66	1,587.75	3,499.04	6,091.27	856.19	264.04	0.00	161.99	2,252.39	5,029.23	8,563.84	1,559.11	483.90	0.05	243.65	3,840.14	8,528.27	14,655.11
2006	790.14	221.00	0.01	70.97	1,605.59	3,570.80	6,258.51	903.65	244.53	0.00	127.27	2,149.00	4,887.33	8,311.78	1,693.79	465.53	0.02	198.24	3,754.59	8,458.13	14,570.29
2007	713.11	239.82	0.07	99.58	1,647.19	3,728.22	6,427.97	805.15	269.92	0.00	197.77	2,233.35	5,135.51	8,641.70	1,518.26	509.73	0.07	297.35	3,880.54	8,863.72	15,069.67
2008	721.75	186.40	0.07	110.03	1,665.68	3,770.82	6,454.74	820.25	207.72	0.00	215.66	2,273.61	5,189.30	8,706.54	1,541.99	394.12	0.08	325.68	3,939.29	8,960.12	15,161.28
2009	728.65	188.04	0.07	115.21	1,686.90	3,818.19	6,537.05	826.72	209.36	0.00	223.69	2,299.14	5,252.33	8,811.25	1,555.37	397.40	0.08	338.90	3,986.04	9,070.52	15,348.30
2010	728.51	188.01	0.08	119.94	1,709.40	3,868.66	6,614.60	825.78	209.06	0.00	230.46	2,327.96	5,314.23	8,907.49	1,554.30	397.07	0.08	350.39	4,037.36	9,182.89	15,522.09
2011	729.08	188.16	0.08	124.48	1,730.48	3,916.89	6,689.18	825.62	208.94	0.00	236.85	2,354.82	5,374.35	9,000.58	1,554.70	397.09	0.09	361.33	4,085.30	9,291.24	15,689.75
2012	731.82	188.85	0.09	128.89	1,750.99	3,962.76	6,763.39	827.55	209.42	0.00	243.10	2,379.68	5,430.03	9,089.79	1,559.37	398.27	0.09	371.99	4,130.66	9,392.80	15,853.18
2013	733.15	189.20	0.09	133.39	1,773.64	4,013.04	6,842.50	827.87	209.58	0.00	249.51	2,407.39	5,492.33	9,186.68	1,561.02	398.78	0.09	382.89	4,181.02	9,505.38	16,029.18
2014	735.18	189.82	0.10	138.21	1,797.93	4,070.33	6,931.57	829.48	209.93	0.00	256.32	2,438.73	5,561.88	9,296.35	1,564.67	399.75	0.10	394.53	4,236.66	9,632.21	16,227.92
2015	736.70	190.08	0.10	142.91	1,820.09	4,120.26	7,010.14	829.75	210.08	0.00	263.13	2,464.80	5,626.15	9,393.91	1,566.46	400.16	0.10	406.04	4,284.89	9,746.41	16,404.05
2016	736.07	190.00	0.10	147.42	1,839.13	4,164.85	7,077.57	828.37	209.68	0.00	269.43	2,488.90	5,679.08	9,475.47	1,564.44	399.69	0.11	416.85	4,328.03	9,843.93	16,553.04
2017	735.74	189.88	0.10	151.93	1,856.78	4,206.37	7,140.81	827.19	209.33	0.00	275.82	2,510.50	5,729.49	9,552.33	1,562.93	399.21	0.11	427.74	4,367.29	9,935.86	16,693.13
2018	734.24	189.42	0.11	156.14	1,871.98	4,239.60	7,191.48	824.57	208.65	0.00	281.64	2,528.58	5,770.59	9,614.04	1,558.81	398.07	0.11	437.78	4,400.56	10,010.19	16,805.53
2019	735.26	189.75	0.11	160.33	1,889.54	4,278.12	7,253.10	824.64	208.79	0.00	287.33	2,549.17	5,816.30	9,686.23	1,559.90	398.54	0.11	447.66	4,438.70	10,094.42	16,939.33
2020	736.00	189.91	0.11	164.43	1,906.79	4,318.68	7,315.92	824.48	208.74	0.00	292.82	2,569.67	5,864.36	9,760.07	1,560.48	398.64	0.11	457.25	4,476.46	10,183.05	17,075.98
2021	737.43	190.29	0.11	168.19	1,916.54	4,341.25	7,353.82	825.69	208.92	0.00	297.79	2,581.65	5,888.87	9,802.92	1,563.12	399.21	0.12	465.98	4,498.19	10,230.12	17,156.74
2022	738.53	190.50	0.11	171.78	1,924.42	4,359.80	7,385.15	825.80	209.04	0.00	302.54	2,588.98	5,909.53	9,835.89	1,564.33	399.54	0.12	474.32	4,513.40	10,269.33	17,221.04
2023	739.27	190.75	0.12	175.33	1,932.49	4,377.70	7,415.66	826.08	209.05	0.00	307.14	2,598.31	5,927.51	9,868.09	1,565.35	399.80	0.12	482.47	4,530.80	10,305.21	17,283.75
2024	743.60	191.90	0.12	179.38	1,946.78	4,407.49	7,469.27	830.23	210.18	0.00	312.75	2,615.45	5,963.85	9,932.46	1,573.83	402.07	0.12	492.13	4,562.23	10,371.34	17,401.73
2025	749.19	193.29	0.12	184.06	1,964.53	4,447.68	7,538.87	835.37	211.51	0.00	319.32	2,636.11	6,012.92	10,015.23	1,584.56	404.80	0.13	503.38	4,600.64	10,460.60	17,554.10
2026	753.67	194.46	0.13	188.56	1,980.59	4,484.92	7,602.33	840.02	212.55	0.00	325.63	2,656.89	6,057.29	10,092.38	1,593.69	407.01	0.13	514.19	4,637.48	10,542.20	17,694.71
2027	759.60	195.98	0.13	193.15	1,997.34	4,522.85	7,669.05	845.82	214.02	0.00	332.06	2,676.89	6,102.98	10,171.78	1,605.42	410.00	0.14	525.22	4,674.23	10,625.83	17,840.83
2028	766.90	197.86	0.13	198.00	2,016.31	4,564.93	7,744.15	853.41	215.95	0.00	339.02	2,700.86	6,156.03	10,265.27	1,620.31	413.81	0.14	537.02	4,717.18	10,720.97	18,009.42
2029	774.67	199.85	0.14	203.00	2,035.52	4,609.04	7,822.21	861.71	217.95	0.00	346.22	2,725.79	6,210.40	10,362.07	1,636.38	417.79	0.14	549.22	4,761.31	10,819.44	18,184.28
2030	781.03	201.48	0.14	207.84	2,050.26	4,642.59	7,883.33	867.94	219.74	0.00	353.37	2,743.01	6,256.02	10,440.08	1,648.96	421.21	0.14	561.21	4,793.28	10,898.61	18,323.41
05-'07	0.7%	4.4%	14.3%	10.4%	1.9%	3.2%	2.7%	-3.0%	1.1%	73.2%	10.5%	-0.4%	1.1%	0.5%	-1.3%	2.6%	15.7%	10.5%	0.5%	1.9%	1.4%
08-'10	0.5%	0.4%	4.0%	4.4%	1.3%	1.3%	1.2%	0.3%	0.3%	0.0%	3.4%	1.2%	1.2%	1.1%	0.4%	0.4%	3.8%	3.7%	1.2%	1.2%	1.2%
10-'20	0.1%	0.1%	3.1%	3.2%	1.1%	1.1%	1.0%	0.0%	0.0%	2.9%	2.4%	1.0%	1.0%	0.9%	0.0%	0.0%	3.1%	2.7%	1.0%	1.0%	1.0%
20-'30	0.6%	0.6%	2.7%	2.4%	0.7%	0.7%	0.7%	0.5%	0.5%	0.0%	1.9%	0.7%	0.6%	0.7%	0.6%	0.6%	2.6%	2.1%	0.7%	0.7%	0.7%
07-'30	0.4%	-0.8%	3.3%	3.3%	1.0%	1.0%	0.9%	0.3%	-0.9%	1.3%	2.6%	0.9%	0.9%	0.8%	0.4%	-0.8%	3.2%	2.8%	0.9%	0.9%	0.9%



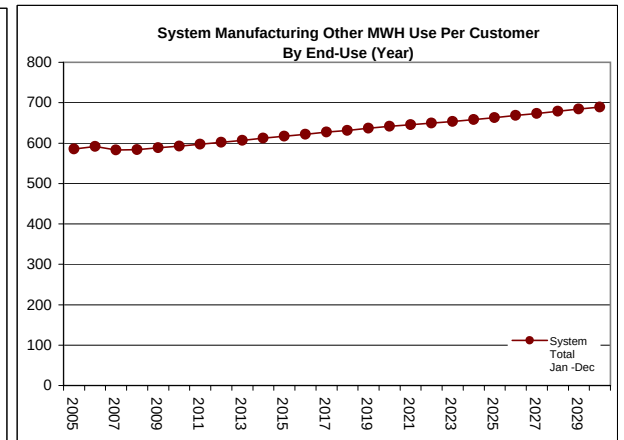
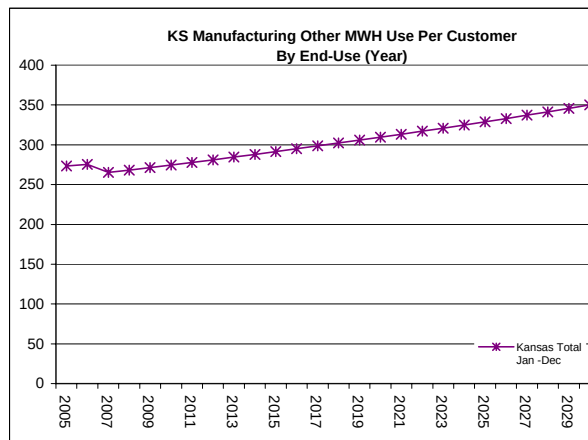
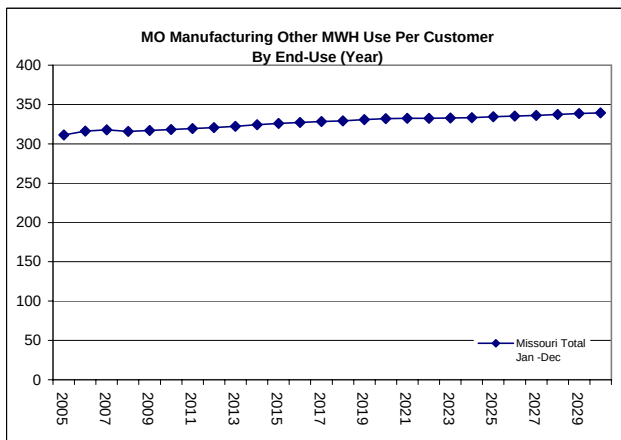
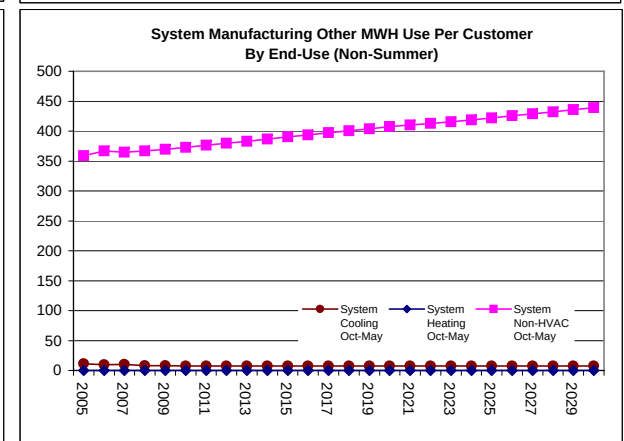
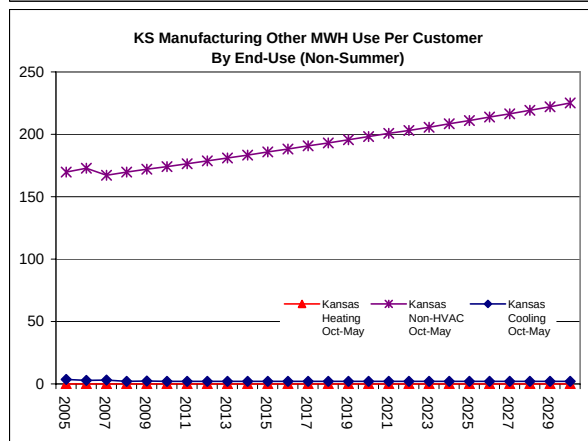
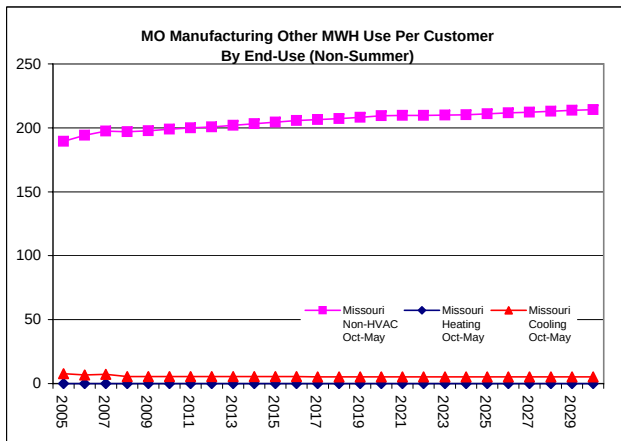
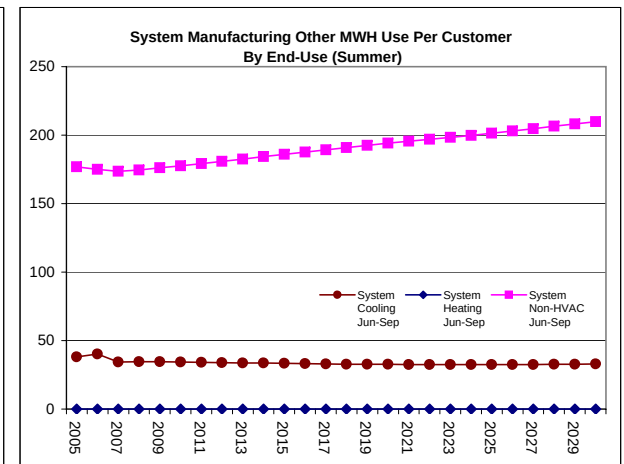
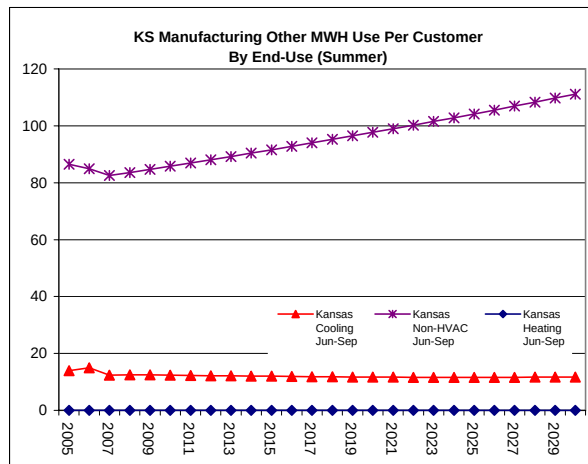
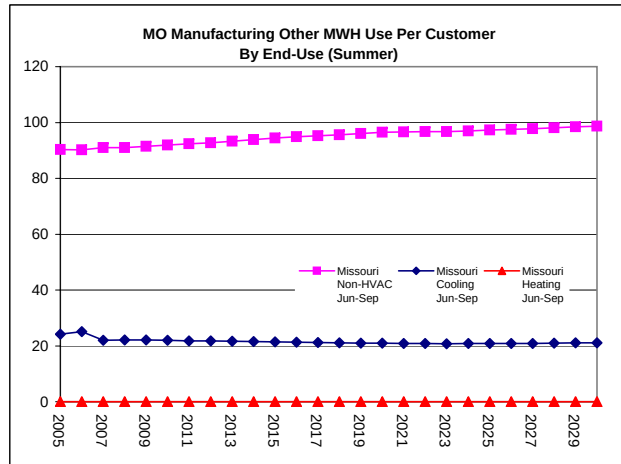
Plot H-61 Missouri & Kansas Manufacturing Primary MWH Use Per Customer By End-Use

Year	Missouri Cooling	Missouri Cooling	Missouri Heating	Missouri Heating	Missouri Non-HVAC	Missouri Non-HVAC	Missouri Total	Kansas Cooling	Kansas Cooling	Kansas Heating	Kansas Heating	Kansas Non-HVAC	Kansas Non-HVAC	Kansas Total	System Cooling	System Cooling	System Heating	System Heating	System Non-HVAC	System Non-HVAC	System Total
	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	1,311.47	410.15	0.00	0.00	7,483.39	17,404.37	26,609.38	823.57	253.36	0.00	0.00	3,906.09	7,984.00	12,967.01	2,135.03	663.51	0.00	0.00	11,389.48	25,388.37	39,576.39
2006	1,380.56	422.07	0.00	0.00	8,340.78	17,049.85	27,193.26	756.33	241.83	0.00	0.00	3,864.33	7,793.42	12,655.92	2,136.89	663.90	0.00	0.00	12,205.11	24,843.27	39,849.18
2007	1,241.64	430.28	0.00	0.00	8,357.40	17,423.33	27,452.65	729.59	250.92	0.00	0.00	4,055.72	7,796.23	12,832.47	1,971.23	681.21	0.00	0.00	12,413.12	25,219.56	40,285.12
2008	1,239.74	315.73	0.00	0.00	8,368.36	17,351.43	27,275.27	742.78	191.83	0.00	0.00	4,291.48	8,748.00	13,974.09	1,982.53	507.56	0.00	0.00	12,659.84	26,099.43	41,249.36
2009	1,250.37	318.09	0.00	0.00	8,468.15	17,534.04	27,570.66	744.22	192.07	0.00	0.00	4,360.78	8,908.19	14,205.26	1,994.60	510.16	0.00	0.00	12,828.93	26,442.23	41,775.91
2010	1,251.18	318.17	0.00	0.00	8,589.72	17,777.64	27,936.71	744.74	192.24	0.00	0.00	4,421.72	9,042.59	14,401.29	1,995.92	510.41	0.00	0.00	13,011.45	26,820.22	42,338.01
2011	1,253.76	318.86	0.00	0.00	8,708.17	18,020.33	28,301.12	746.12	192.05	0.00	0.00	4,461.72	9,099.29	14,499.19	1,999.88	510.91	0.00	0.00	13,169.89	27,119.63	42,800.31
2012	1,259.02	320.18	0.00	0.00	8,816.22	18,245.06	28,640.47	742.91	191.79	0.00	0.00	4,452.65	9,112.39	14,499.74	2,001.92	511.97	0.00	0.00	13,268.87	27,357.45	43,140.22
2013	1,261.24	320.69	0.00	0.00	8,931.59	18,476.75	28,990.28	744.27	192.14	0.00	0.00	4,479.49	9,166.92	14,582.82	2,005.51	512.83	0.00	0.00	13,411.08	27,643.68	43,573.10
2014	1,265.53	321.81	0.00	0.00	9,061.28	18,743.21	29,391.83	746.75	192.82	0.00	0.00	4,507.52	9,225.04	14,672.14	2,012.28	514.63	0.00	0.00	13,568.80	27,968.25	44,063.97
2015	1,268.31	322.58	0.00	0.00	9,174.86	18,982.28	29,748.03	742.12	192.43	0.00	0.00	4,493.39	9,236.34	14,664.27	2,010.43	515.00	0.00	0.00	13,668.25	28,218.62	44,412.31
2016	1,268.11	322.52	0.00	0.00	9,278.66	19,193.35	30,062.64	741.86	191.61	0.00	0.00	4,514.83	9,241.02	14,689.32	2,009.97	514.13	0.00	0.00	13,793.49	28,434.36	44,751.96
2017	1,266.38	322.62	0.00	0.00	9,359.53	19,394.21	30,342.74	742.03	191.69	0.00	0.00	4,534.41	9,282.80	14,750.93	2,008.41	514.31	0.00	0.00	13,893.94	28,677.01	45,093.67
2018	1,265.43	321.95	0.00	0.00	9,449.49	19,554.21	30,591.08	740.34	191.10	0.00	0.00	4,550.08	9,315.59	14,797.12	2,005.77	513.05	0.00	0.00	13,999.57	28,869.81	45,388.20
2019	1,268.25	322.54	0.00	0.00	9,547.56	19,745.28	30,883.62	740.47	191.00	0.00	0.00	4,560.59	9,325.45	14,817.51	2,008.71	513.54	0.00	0.00	14,108.15	29,070.72	45,701.13
2020	1,270.41	323.23	0.00	0.00	9,642.11	19,948.56	31,184.31	737.06	190.34	0.00	0.00	4,551.18	9,317.82	14,796.39	2,007.47	513.56	0.00	0.00	14,193.28	29,266.38	45,980.70
2021	1,273.86	324.19	0.00	0.00	9,699.31	20,073.09	31,370.45	738.91	190.84	0.00	0.00	4,562.94	9,341.09	14,833.78	2,012.77	515.04	0.00	0.00	14,262.25	29,414.18	46,204.23
2022	1,278.92	325.42	0.00	0.00	9,763.83	20,203.83	31,571.99	740.50	191.34	0.00	0.00	4,572.10	9,361.76	14,865.71	2,019.42	516.77	0.00	0.00	14,335.93	29,565.59	46,437.71
2023	1,281.44	326.12	0.00	0.00	9,814.90	20,309.20	31,731.66	741.68	191.51	0.00	0.00	4,581.51	9,380.25	14,894.96	2,023.12	517.63	0.00	0.00	14,396.41	29,689.46	46,626.62
2024	1,290.77	328.26	0.00	0.00	9,902.73	20,473.70	31,995.45	739.67	191.88	0.00	0.00	4,558.00	9,369.12	14,858.67	2,030.44	520.14	0.00	0.00	14,460.73	29,842.82	46,854.13
2025	1,302.18	331.21	0.00	0.00	10,006.79	20,688.84	32,329.01	744.75	192.50	0.00	0.00	4,575.17	9,366.25	14,878.67	2,046.93	523.71	0.00	0.00	14,581.96	30,055.09	47,207.68
2026	1,311.47	333.59	0.00	0.00	10,100.89	20,886.31	32,632.26	748.58	193.33	0.00	0.00	4,589.92	9,396.58	14,928.42	2,060.05	526.92	0.00	0.00	14,690.81	30,282.89	47,560.68
2027	1,322.84	336.65	0.00	0.00	10,195.11	21,089.82	32,944.42	753.17	194.67	0.00	0.00	4,603.75	9,425.75	14,977.33	2,076.01	531.32	0.00	0.00	14,798.86	30,515.57	47,921.76
2028	1,338.58	340.20	0.00	0.00	10,316.43	21,312.13	33,307.35	759.50	196.25	0.00	0.00	4,620.83	9,459.58	15,036.17	2,098.08	536.45	0.00	0.00	14,937.26	30,771.71	48,343.51
2029	1,355.17	344.54	0.00	0.00	10,438.92	21,565.01	33,703.64	759.92	197.38	0.00	0.00	4,599.75	9,465.42	15,022.47	2,115.09	541.92	0.00	0.00	15,038.67	31,030.43	48,726.12
2030	1,368.97	348.10	0.00	0.00	10,535.55	21,771.80	34,024.41	764.55	197.52	0.00	0.00	4,610.41	9,439.09	15,011.57	2,133.51	545.62	0.00	0.00	15,145.96	31,210.89	49,035.98
05-'07	-2.7%	2.4%	0.0%	0.0%	5.7%	0.1%	1.6%	-5.9%	-0.5%	0.0%	0.0%	1.9%	-1.2%	-0.5%	-3.9%	1.3%	0.0%	0.0%	4.4%	-0.3%	0.9%
08-'10	0.5%	0.4%	0.0%	0.0%	1.3%	1.2%	1.2%	0.1%	0.1%	0.0%	0.0%	1.5%	1.7%	1.5%	0.3%	0.3%	0.0%	0.0%	1.4%	1.4%	1.3%
10-'20	0.2%	0.2%	0.0%	0.0%	1.2%	1.2%	1.1%	-0.1%	-0.1%	0.0%	0.0%	0.3%	0.3%	0.3%	0.1%	0.1%	0.0%	0.0%	0.9%	0.9%	0.8%
20-'30	0.7%	0.7%	0.0%	0.0%	0.9%	0.9%	0.9%	0.4%	0.4%	0.0%	0.0%	0.1%	0.1%	0.1%	0.6%	0.6%	0.0%	0.0%	0.7%	0.6%	0.6%
07-'30	0.4%	-0.9%	0.0%	0.0%	1.0%	1.0%	0.9%	0.2%	-1.0%	0.0%	0.0%	0.6%	0.8%	0.7%	0.3%	-1.0%	0.0%	0.0%	0.9%	0.9%	0.9%



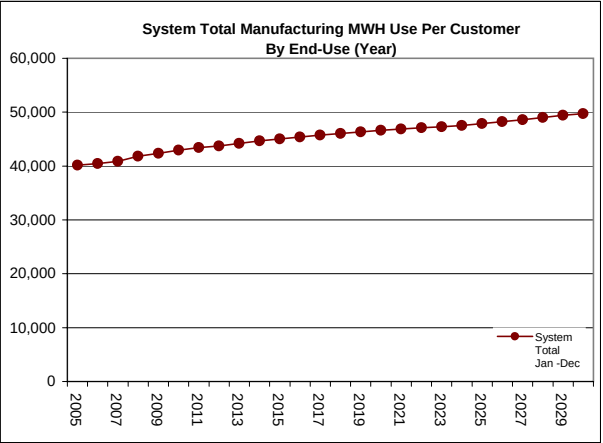
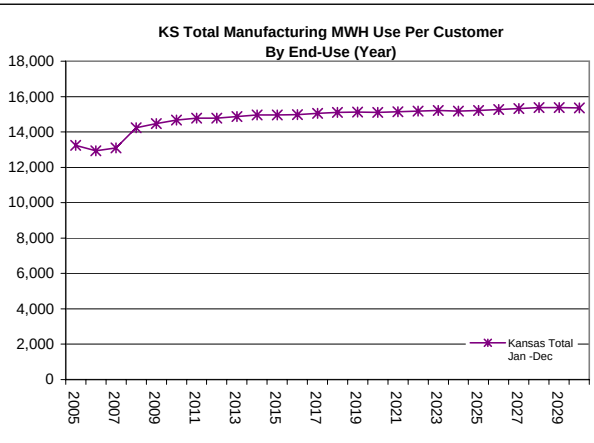
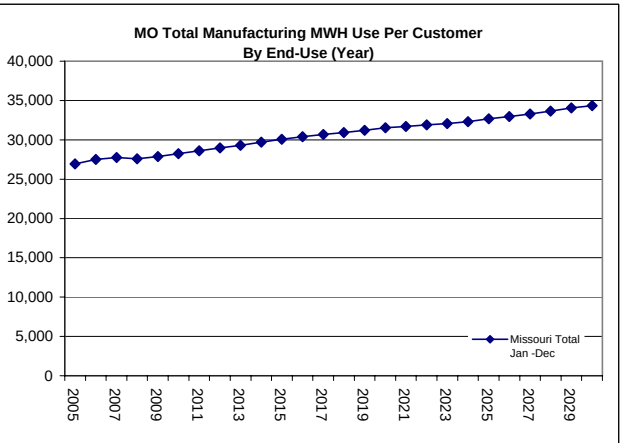
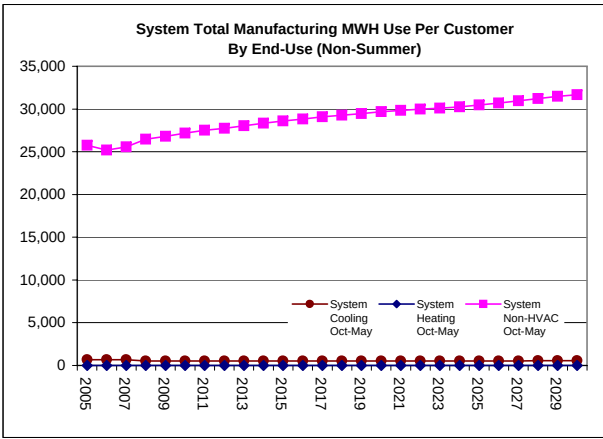
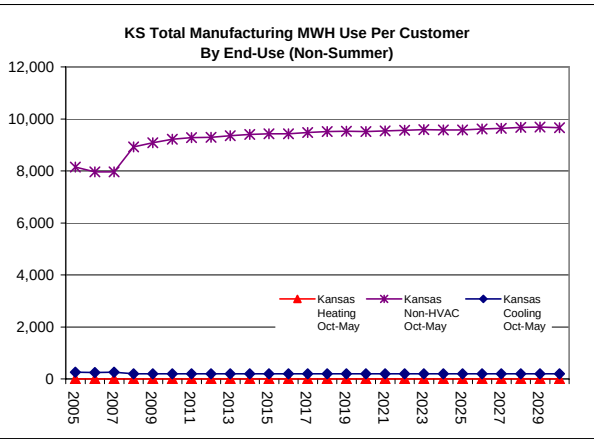
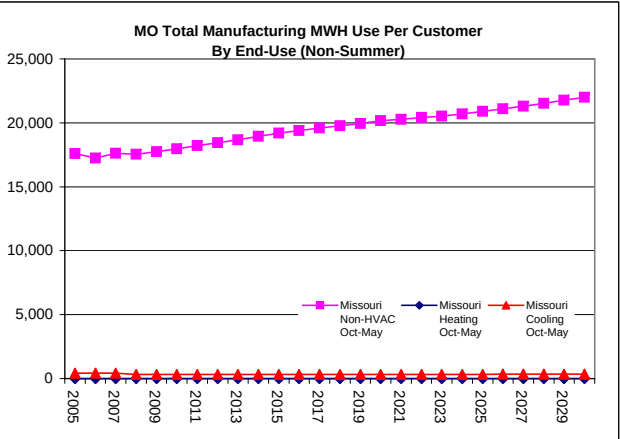
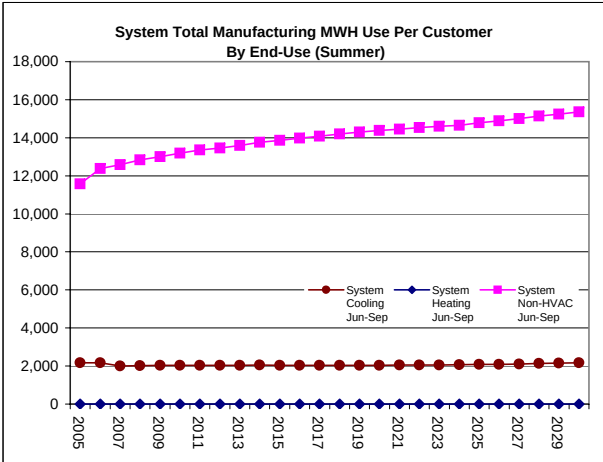
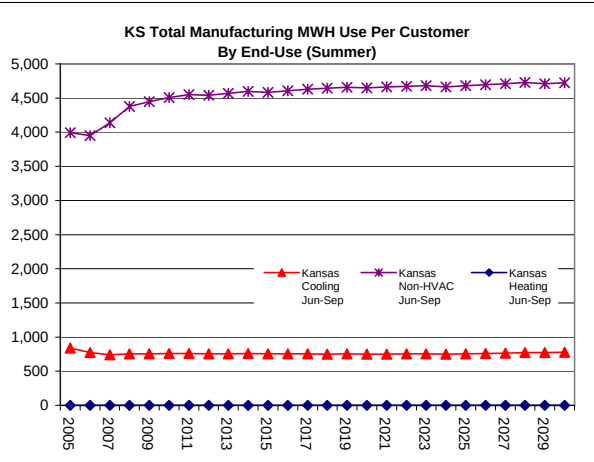
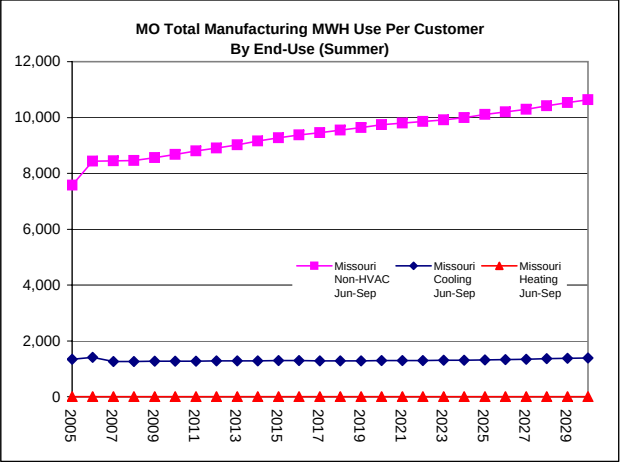
Plot H-62 Missouri & Kansas Manufacturing Other MWH Use Per Customer By End-Use

	Missouri Cooling	Missouri Cooling	Missouri Heating	Missouri Heating	Missouri Non-HVAC	Missouri Non-HVAC	Missouri Total	Kansas Cooling	Kansas Cooling	Kansas Heating	Kansas Heating	Kansas Non-HVAC	Kansas Non-HVAC	Kansas Total	System Cooling	System Cooling	System Heating	System Heating	System Non-HVAC	System Non-HVAC	System Total
Year	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	24.14	7.65	0.00	0.00	90.31	189.33	311.43	13.96	3.51	0.00	0.00	86.45	169.64	273.56	38.10	11.15	0.00	0.00	176.76	358.97	584.98
2006	25.12	6.85	0.00	0.00	90.20	194.16	316.34	14.97	2.76	0.00	0.00	84.90	172.75	275.39	40.10	9.61	0.00	0.00	175.10	366.92	591.73
2007	22.05	7.26	0.00	0.00	91.06	197.44	317.81	12.40	3.02	0.00	0.00	82.59	167.19	265.21	34.46	10.28	0.00	0.00	173.65	364.63	583.01
2008	22.13	5.61	0.00	0.00	91.05	197.00	315.79	12.44	2.18	0.00	0.00	83.59	169.77	267.98	34.57	7.79	0.00	0.00	174.64	366.78	583.78
2009	22.16	5.62	0.00	0.00	91.44	197.82	317.03	12.44	2.18	0.00	0.00	84.68	171.94	271.24	34.60	7.80	0.00	0.00	176.12	369.76	588.27
2010	21.97	5.57	0.00	0.00	91.89	198.84	318.27	12.33	2.16	0.00	0.00	85.78	174.16	274.43	34.30	7.73	0.00	0.00	177.67	372.99	592.69
2011	21.83	5.53	0.00	0.00	92.33	199.84	319.54	12.24	2.14	0.00	0.00	86.90	176.40	277.69	34.07	7.68	0.00	0.00	179.23	376.25	597.22
2012	21.75	5.52	0.00	0.00	92.75	200.79	320.81	12.19	2.14	0.00	0.00	88.03	178.68	281.04	33.94	7.65	0.00	0.00	180.78	379.47	601.84
2013	21.63	5.48	0.00	0.00	93.25	201.89	322.26	12.12	2.12	0.00	0.00	89.19	181.00	284.43	33.75	7.61	0.00	0.00	182.45	382.89	606.69
2014	21.54	5.46	0.00	0.00	93.86	203.26	324.13	12.06	2.11	0.00	0.00	90.38	183.39	287.94	33.60	7.57	0.00	0.00	184.24	386.65	612.07
2015	21.45	5.44	0.00	0.00	94.39	204.51	325.78	12.00	2.10	0.00	0.00	91.57	185.79	291.47	33.45	7.54	0.00	0.00	185.96	390.30	617.25
2016	21.32	5.40	0.00	0.00	94.87	205.58	327.17	11.92	2.09	0.00	0.00	92.78	188.21	295.00	33.24	7.49	0.00	0.00	187.65	393.79	622.17
2017	21.20	5.37	0.00	0.00	95.29	206.58	328.44	11.85	2.08	0.00	0.00	93.99	190.65	298.57	33.05	7.45	0.00	0.00	189.28	397.23	627.01
2018	21.06	5.34	0.00	0.00	95.62	207.32	329.34	11.77	2.06	0.00	0.00	95.21	193.10	302.14	32.83	7.40	0.00	0.00	190.83	400.42	631.48
2019	20.99	5.32	0.00	0.00	96.07	208.30	330.68	11.73	2.05	0.00	0.00	96.47	195.61	305.85	32.72	7.38	0.00	0.00	192.54	403.90	636.54
2020	20.92	5.30	0.00	0.00	96.51	209.34	332.07	11.68	2.05	0.00	0.00	97.73	198.16	309.62	32.60	7.35	0.00	0.00	194.24	407.49	641.68
2021	20.88	5.29	0.00	0.00	96.63	209.60	332.40	11.65	2.04	0.00	0.00	98.98	200.65	313.33	32.54	7.33	0.00	0.00	195.61	410.25	645.73
2022	20.84	5.28	0.00	0.00	96.68	209.77	332.57	11.63	2.04	0.00	0.00	100.24	203.17	317.07	32.46	7.32	0.00	0.00	196.92	412.94	649.64
2023	20.79	5.27	0.00	0.00	96.75	209.89	332.70	11.59	2.03	0.00	0.00	101.52	205.72	320.85	32.38	7.30	0.00	0.00	198.27	415.61	653.55
2024	20.80	5.27	0.00	0.00	96.98	210.33	333.38	11.60	2.03	0.00	0.00	102.83	208.34	324.80	32.40	7.31	0.00	0.00	199.81	418.67	658.18
2025	20.84	5.28	0.00	0.00	97.28	211.05	334.46	11.61	2.03	0.00	0.00	104.17	211.03	328.85	32.45	7.32	0.00	0.00	201.45	422.09	663.31
2026	20.85	5.29	0.00	0.00	97.55	211.66	335.35	11.61	2.03	0.00	0.00	105.53	213.75	332.93	32.47	7.32	0.00	0.00	203.08	425.41	668.27
2027	20.90	5.30	0.00	0.00	97.82	212.28	336.29	11.64	2.04	0.00	0.00	106.91	216.50	337.09	32.54	7.34	0.00	0.00	204.72	428.78	673.38
2028	20.98	5.32	0.00	0.00	98.16	213.03	337.48	11.68	2.05	0.00	0.00	108.31	219.31	341.35	32.65	7.36	0.00	0.00	206.47	432.34	678.82
2029	21.06	5.34	0.00	0.00	98.51	213.84	338.75	11.72	2.05	0.00	0.00	109.74	222.17	345.68	32.78	7.39	0.00	0.00	208.25	436.01	684.43
2030	21.11	5.35	0.00	0.00	98.63	214.12	339.21	11.74	2.06	0.00	0.00	111.15	225.01	349.96	32.85	7.41	0.00	0.00	209.78	439.12	689.17
05-'07	-4.4%	-2.6%	0.0%	0.0%	0.4%	2.1%	1.0%	-5.7%	-7.2%	0.0%	0.0%	-2.3%	-0.7%	-1.5%	-4.9%	-4.0%	0.0%	0.0%	-0.9%	0.8%	-0.2%
08-'10	-0.4%	-0.4%	0.0%	0.0%	0.5%	0.5%	0.4%	-0.4%	-0.4%	0.0%	0.0%	1.3%	1.3%	1.2%	-0.4%	-0.4%	0.0%	0.0%	0.9%	0.8%	0.8%
10-'20	-0.5%	-0.5%	0.0%	0.0%	0.5%	0.5%	0.4%	-0.5%	-0.5%	0.0%	0.0%	1.3%	1.3%	1.2%	-0.5%	-0.5%	0.0%	0.0%	0.9%	0.9%	0.8%
20-'30	0.1%	0.1%	0.0%	0.0%	0.2%	0.2%	0.2%	0.1%	0.1%	0.0%	0.0%	1.3%	1.3%	1.2%	0.1%	0.1%	0.0%	0.0%	0.8%	0.8%	0.7%
07-'30	-0.2%	-1.3%	0.0%	0.0%	0.3%	0.4%	0.3%	-0.2%	-1.7%	0.0%	0.0%	1.3%	1.3%	1.2%	-0.2%	-1.4%	0.0%	0.0%	0.8%	0.8%	0.7%



Plot H-63 Missouri & Kansas Total Manufacturing MWH Use Per Customer By End-Use

	Missouri Cooling	Missouri Cooling	Missouri Heating	Missouri Heating	Missouri Non-HVAC	Missouri Non-HVAC	Missouri Total	Kansas Cooling	Kansas Cooling	Kansas Heating	Kansas Heating	Kansas Non-HVAC	Kansas Non-HVAC	Kansas Total	System Cooling	System Cooling	System Heating	System Heating	System Non-HVAC	System Non-HVAC	System Total
Year	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jun-Sep	Oct-May	Jan -Dec
2005	1,335.61	417.79	0.00	0.00	7,573.70	17,593.71	26,920.80	837.53	256.87	0.00	0.00	3,992.54	8,153.64	13,240.57	2,173.13	674.66	0.00	0.00	11,566.24	25,747.34	40,161.37
2006	1,405.68	428.92	0.00	0.00	8,430.98	17,244.01	27,509.60	771.31	244.59	0.00	0.00	3,949.24	7,966.17	12,931.30	2,176.99	673.51	0.00	0.00	12,380.22	25,210.18	40,440.90
2007	1,263.70	437.55	0.00	0.00	8,448.45	17,620.76	27,770.46	741.99	253.94	0.00	0.00	4,138.32	7,963.42	13,097.67	2,005.69	691.49	0.00	0.00	12,586.77	25,584.19	40,868.13
2008	1,261.87	321.35	0.00	0.00	8,459.41	17,548.43	27,591.06	755.22	194.01	0.00	0.00	4,375.07	8,917.77	14,242.07	2,017.09	515.35	0.00	0.00	12,834.49	26,466.20	41,833.13
2009	1,272.53	323.71	0.00	0.00	8,559.59	17,731.86	27,887.69	756.67	194.25	0.00	0.00	4,445.45	9,080.13	14,476.50	2,029.20	517.95	0.00	0.00	13,005.04	26,811.99	42,364.19
2010	1,273.15	323.74	0.00	0.00	8,681.61	17,976.47	28,254.98	757.07	194.40	0.00	0.00	4,507.50	9,216.74	14,675.72	2,030.22	518.14	0.00	0.00	13,189.12	27,193.22	42,930.70
2011	1,275.59	324.39	0.00	0.00	8,800.50	18,220.18	28,620.66	758.36	194.20	0.00	0.00	4,548.62	9,275.70	14,776.88	2,033.95	518.59	0.00	0.00	13,349.13	27,495.87	43,397.53
2012	1,280.77	325.69	0.00	0.00	8,908.97	18,445.85	28,961.28	755.10	193.93	0.00	0.00	4,540.68	9,291.07	14,780.78	2,035.87	519.62	0.00	0.00	13,449.65	27,736.92	43,742.06
2013	1,282.87	326.17	0.00	0.00	9,024.85	18,678.64	29,312.54	756.39	194.26	0.00	0.00	4,568.68	9,347.92	14,867.25	2,039.27	520.43	0.00	0.00	13,593.53	28,026.56	44,179.79
2014	1,287.07	327.27	0.00	0.00	9,155.14	18,946.47	29,715.96	758.81	194.93	0.00	0.00	4,597.90	9,408.43	14,960.07	2,045.89	522.21	0.00	0.00	13,753.04	28,354.90	44,676.03
2015	1,289.75	328.02	0.00	0.00	9,269.25	19,186.79	30,073.81	754.12	194.53	0.00	0.00	4,584.96	9,422.13	14,955.74	2,043.87	522.54	0.00	0.00	13,854.21	28,608.92	45,029.56
2016	1,289.43	327.92	0.00	0.00	9,373.53	19,398.93	30,389.81	753.79	193.70	0.00	0.00	4,607.61	9,429.23	14,984.32	2,043.21	521.62	0.00	0.00	13,981.14	28,828.15	45,374.13
2017	1,287.58	327.99	0.00	0.00	9,454.82	19,600.79	30,671.18	753.88	193.77	0.00	0.00	4,628.40	9,473.45	15,049.50	2,041.46	521.76	0.00	0.00	14,083.21	29,074.24	45,720.68
2018	1,286.49	327.29	0.00	0.00	9,545.11	19,761.54	30,920.42	752.11	193.16	0.00	0.00	4,645.30	9,508.69	15,099.26	2,038.60	520.45	0.00	0.00	14,190.40	29,270.23	46,019.68
2019	1,289.24	327.86	0.00	0.00	9,643.63	19,953.57	31,214.31	752.19	193.06	0.00	0.00	4,657.06	9,521.06	15,123.36	2,041.43	520.92	0.00	0.00	14,300.69	29,474.63	46,337.67
2020	1,291.33	328.53	0.00	0.00	9,738.61	20,157.90	31,516.38	748.74	192.38	0.00	0.00	4,648.91	9,515.97	15,106.00	2,040.07	520.92	0.00	0.00	14,387.52	29,673.87	46,622.38
2021	1,294.74	329.49	0.00	0.00	9,795.94	20,282.69	31,702.85	750.56	192.88	0.00	0.00	4,661.92	9,541.74	15,147.11	2,045.30	522.37	0.00	0.00	14,457.86	29,824.43	46,849.96
2022	1,299.75	330.71	0.00	0.00	9,860.51	20,413.60	31,904.56	752.13	193.38	0.00	0.00	4,672.34	9,564.93	15,182.78	2,051.88	524.09	0.00	0.00	14,532.85	29,978.53	47,087.35
2023	1,302.23	331.39	0.00	0.00	9,911.65	20,519.09	32,064.36	753.27	193.54	0.00	0.00	4,683.03	9,585.97	15,215.81	2,055.50	524.93	0.00	0.00	14,594.68	30,105.06	47,280.17
2024	1,311.57	333.53	0.00	0.00	9,999.70	20,684.02	32,328.83	751.26	193.91	0.00	0.00	4,660.83	9,577.46	15,183.47	2,062.84	527.45	0.00	0.00	14,660.53	30,261.48	47,512.30
2025	1,323.02	336.49	0.00	0.00	10,104.07	20,899.89	32,663.47	756.36	194.53	0.00	0.00	4,679.34	9,577.28	15,207.52	2,079.38	531.02	0.00	0.00	14,783.41	30,477.17	47,870.99
2026	1,332.32	338.88	0.00	0.00	10,198.44	21,097.97	32,967.61	760.20	195.37	0.00	0.00	4,695.45	9,610.33	15,261.34	2,092.52	534.24	0.00	0.00	14,893.89	30,708.30	48,228.95
2027	1,343.74	341.95	0.00	0.00	10,292.92	21,302.09	33,280.71	764.80	196.71	0.00	0.00	4,710.66	9,642.25	15,314.42	2,108.55	538.66	0.00	0.00	15,003.58	30,944.35	48,595.13
2028	1,359.56	345.52	0.00	0.00	10,414.59	21,525.16	33,644.82	771.18	198.30	0.00	0.00	4,729.14	9,678.90	15,377.51	2,130.73	543.82	0.00	0.00	15,143.73	31,204.05	49,022.33
2029	1,376.24	349.88	0.00	0.00	10,537.43	21,778.85	34,042.39	771.64	199.44	0.00	0.00	4,709.49	9,687.59	15,368.15	2,147.87	549.31	0.00	0.00	15,246.92	31,466.44	49,410.54
2030	1,390.08	353.45	0.00	0.00	10,634.17	21,985.91	34,363.62	776.29	199.58	0.00	0.00	4,721.57	9,664.10	15,361.53	2,166.37	553.03	0.00	0.00	15,355.74	31,650.01	49,725.15
05-'07	-2.7%	2.3%	0.0%	0.0%	5.6%	0.1%	1.6%	-5.9%	-0.6%	0.0%	0.0%	1.8%	-1.2%	-0.5%	-3.9%	1.2%	0.0%	0.0%	4.3%	-0.3%	0.9%
08-'10	0.4%	0.4%	0.0%	0.0%	1.3%	1.2%	1.2%	0.1%	0.1%	0.0%	0.0%	1.5%	1.7%	1.5%	0.3%	0.3%	0.0%	0.0%	1.4%	1.4%	1.3%
10-'20	0.1%	0.1%	0.0%	0.0%	1.2%	1.2%	1.1%	-0.1%	-0.1%	0.0%	0.0%	0.3%	0.3%	0.3%	0.0%	0.1%	0.0%	0.0%	0.9%	0.9%	0.8%
20-'30	0.7%	0.7%	0.0%	0.0%	0.9%	0.9%	0.9%	0.4%	0.4%	0.0%	0.0%	0.2%	0.2%	0.2%	0.6%	0.6%	0.0%	0.0%	0.7%	0.6%	0.6%
07-'30	0.4%	-0.9%	0.0%	0.0%	1.0%	1.0%	0.9%	0.2%	-1.0%	0.0%	0.0%	0.6%	0.8%	0.7%	0.3%	-1.0%	0.0%	0.0%	0.9%	0.9%	0.9%



Plot H-64 Missouri & Kansas Total MWH Use Per Customer By End-Use
For classes that have end-use sales

Year	Missouri Cooling Jun-Sep	Missouri Cooling Oct-May	Missouri Heating Jun-Sep	Missouri Heating Oct-May	Missouri Non-HVAC Jun-Sep	Missouri Non-HVAC Oct-May	Missouri Total Jan-Dec	Kansas Cooling Jun-Sep	Kansas Cooling Oct-May	Kansas Heating Jun-Sep	Kansas Heating Oct-May	Kansas Non-HVAC Jun-Sep	Kansas Non-HVAC Oct-May	Kansas Total Jan-Dec	System Cooling Jun-Sep	System Cooling Oct-May	System Heating Jun-Sep	System Heating Oct-May	System Non-HVAC Jun-Sep	System Non-HVAC Oct-May	System Total Jan-Dec
2005	2,040.98	638.11	0.05	83.00	9,163.61	21,097.24	33,023.00	1,696.80	521.47	0.00	163.67	6,247.76	13,188.52	21,818.22	3,737.78	1,159.58	0.05	246.67	15,411.37	34,285.77	54,841.21
2006	2,198.55	650.24	0.01	72.13	10,038.64	20,819.43	33,779.00	1,678.28	489.55	0.00	128.64	6,100.97	12,859.29	21,256.74	3,876.83	1,139.79	0.02	200.77	16,139.61	33,678.72	55,035.74
2007	1,978.94	677.67	0.07	101.10	10,097.80	21,353.56	34,209.14	1,549.79	524.27	0.00	199.63	6,374.47	13,104.73	21,752.90	3,528.74	1,201.95	0.07	300.72	16,472.27	34,458.29	55,962.04
2008	1,985.74	507.98	0.07	111.69	10,127.29	21,323.93	34,056.70	1,578.08	402.02	0.00	217.64	6,651.52	14,112.97	22,962.22	3,563.82	910.00	0.08	329.32	16,778.81	35,436.90	57,018.92
2009	2,003.27	511.97	0.07	116.91	10,248.70	21,554.76	34,435.70	1,585.97	403.89	0.00	225.71	6,747.45	14,338.41	23,301.43	3,589.24	915.87	0.08	342.62	16,996.16	35,893.16	57,737.13
2010	2,003.74	511.98	0.08	121.68	10,393.25	21,849.89	34,880.62	1,585.40	403.74	0.00	232.52	6,838.35	14,536.96	23,596.97	3,589.13	915.73	0.08	354.19	17,231.60	36,386.85	58,477.59
2011	2,006.72	512.78	0.09	126.25	10,533.24	22,141.85	35,320.92	1,586.49	403.41	0.00	238.95	6,906.34	14,656.08	23,791.26	3,593.21	916.19	0.09	365.20	17,439.58	36,797.92	59,112.19
2012	2,014.62	514.77	0.09	130.70	10,662.22	22,413.43	35,735.83	1,585.12	403.63	0.00	245.23	6,923.28	14,727.18	23,884.44	3,599.74	918.39	0.10	375.93	17,585.50	37,140.61	59,620.26
2013	2,018.03	515.59	0.09	135.23	10,800.76	22,696.52	36,166.24	1,586.71	404.11	0.00	251.66	6,979.00	14,846.37	24,067.86	3,604.74	919.70	0.10	386.90	17,779.77	37,542.89	60,234.10
2014	2,024.26	517.32	0.10	140.10	10,955.36	23,021.68	36,658.81	1,590.72	405.13	0.00	258.51	7,039.60	14,976.48	24,270.44	3,614.98	922.44	0.10	398.61	17,994.96	37,998.16	60,929.25
2015	2,028.45	518.32	0.10	144.83	11,091.65	23,311.97	37,095.31	1,586.27	404.87	0.00	265.35	7,052.74	15,054.48	24,363.71	3,614.72	923.19	0.10	410.18	18,144.39	38,366.45	61,459.03
2016	2,027.47	518.15	0.10	149.38	11,214.99	23,568.72	37,478.81	1,584.54	403.65	0.00	271.68	7,099.51	15,114.56	24,473.94	3,612.01	921.79	0.11	421.05	18,314.50	38,683.28	61,952.75
2017	2,025.29	518.09	0.10	153.92	11,313.94	23,812.13	37,823.46	1,583.43	403.36	0.01	278.09	7,141.91	15,209.20	24,615.99	3,608.71	921.45	0.11	432.00	18,455.85	39,021.33	62,439.45
2018	2,022.69	516.92	0.11	158.16	11,419.43	24,006.12	38,123.43	1,579.01	402.07	0.01	283.93	7,176.90	15,285.58	24,727.50	3,601.70	918.99	0.11	442.09	18,596.33	39,291.70	62,850.92
2019	2,026.44	517.83	0.11	162.37	11,535.53	24,236.70	38,478.99	1,579.15	402.10	0.01	289.65	7,209.27	15,343.70	24,823.87	3,605.60	919.93	0.11	452.03	18,744.80	39,580.40	63,302.86
2020	2,029.27	518.65	0.11	166.51	11,647.78	24,481.64	38,843.96	1,575.52	401.37	0.01	295.16	7,221.64	15,386.71	24,880.41	3,604.78	920.03	0.11	461.68	18,869.42	39,868.35	63,724.37
2021	2,034.10	519.99	0.11	170.30	11,714.86	24,628.99	39,068.35	1,578.54	402.05	0.01	300.16	7,246.64	15,436.99	24,964.37	3,612.63	922.05	0.12	470.46	18,961.49	40,065.97	64,032.72
2022	2,040.20	521.42	0.11	173.92	11,787.30	24,778.45	39,301.41	1,580.20	402.67	0.01	304.93	7,264.38	15,480.83	25,033.01	3,620.40	924.09	0.12	478.84	19,051.68	40,259.28	64,334.42
2023	2,043.40	522.35	0.12	177.49	11,846.52	24,901.85	39,491.73	1,581.61	402.84	0.01	309.54	7,284.40	15,519.85	25,098.25	3,625.02	925.19	0.12	487.03	19,130.91	40,421.70	64,589.97
2024	2,057.08	525.64	0.12	181.58	11,948.88	25,096.59	39,809.88	1,583.75	404.34	0.01	315.19	7,279.36	15,547.73	25,130.37	3,640.83	929.98	0.12	496.76	19,228.24	40,644.32	64,940.26
2025	2,074.12	529.99	0.12	186.30	12,071.00	25,352.66	40,214.19	1,593.98	406.29	0.01	321.79	7,318.54	15,596.63	25,237.24	3,668.09	936.28	0.13	508.09	19,389.54	40,949.30	65,451.43
2026	2,087.90	533.55	0.13	190.83	12,181.44	25,587.99	40,581.84	1,602.47	408.17	0.01	328.13	7,355.43	15,674.06	25,368.27	3,690.37	941.72	0.14	518.97	19,536.87	41,262.05	65,950.11
2027	2,105.25	538.14	0.14	195.47	12,292.67	25,830.06	40,961.73	1,612.88	410.98	0.01	334.60	7,390.65	15,751.69	25,500.81	3,718.14	949.12	0.14	530.07	19,683.33	41,581.75	66,462.54
2028	2,128.38	543.60	0.14	200.35	12,433.32	26,095.23	41,401.01	1,626.85	414.50	0.01	341.59	7,433.13	15,841.42	25,657.49	3,755.23	958.09	0.14	541.95	19,866.45	41,936.65	67,058.51
2029	2,152.82	549.94	0.14	205.39	12,575.37	26,393.04	41,876.70	1,635.62	417.63	0.01	348.83	7,438.40	15,904.48	25,744.98	3,788.44	967.57	0.15	554.22	20,013.77	42,297.52	67,621.67
2030	2,173.03	555.14	0.14	210.27	12,686.87	26,633.66	42,259.11	1,646.50	419.57	0.01	356.02	7,467.71	15,926.62	25,816.42	3,819.53	974.71	0.15	566.29	20,154.57	42,560.28	68,075.53
05-'07	-1.5%	3.1%	14.0%	10.4%	5.0%	0.6%	1.8%	-4.4%	0.3%	59.0%	10.4%	1.0%	-0.3%	-0.1%	-2.8%	1.8%	15.7%	10.4%	3.4%	0.3%	1.0%
08-'10	0.5%	0.4%	3.9%	4.4%	1.3%	1.2%	1.2%	0.2%	0.2%	0.7%	3.4%	1.4%	1.5%	1.4%	0.4%	0.3%	3.8%	3.7%	1.3%	1.3%	1.3%
10-'20	0.1%	0.1%	3.1%	3.2%	1.1%	1.1%	1.1%	-0.1%	-0.1%	2.5%	2.4%	0.5%	0.6%	0.5%	0.0%	0.0%	3.0%	2.7%	0.9%	0.9%	0.9%
20-'30	0.7%	0.7%	2.8%	2.4%	0.9%	0.8%	0.8%	0.4%	0.4%	0.3%	1.9%	0.3%	0.3%	0.4%	0.6%	0.6%	2.7%	2.1%	0.7%	0.7%	0.7%
07-'30	0.4%	-0.9%	3.3%	3.2%	1.0%	1.0%	0.9%	0.3%	-1.0%	1.3%	2.5%	0.7%	0.9%	0.7%	0.3%	-0.9%	3.2%	2.8%	0.9%	0.9%	0.9%

