

Water Resources Planning Department

**Projection Analysis Work Sheets
for
Chico-Hamilton City District**

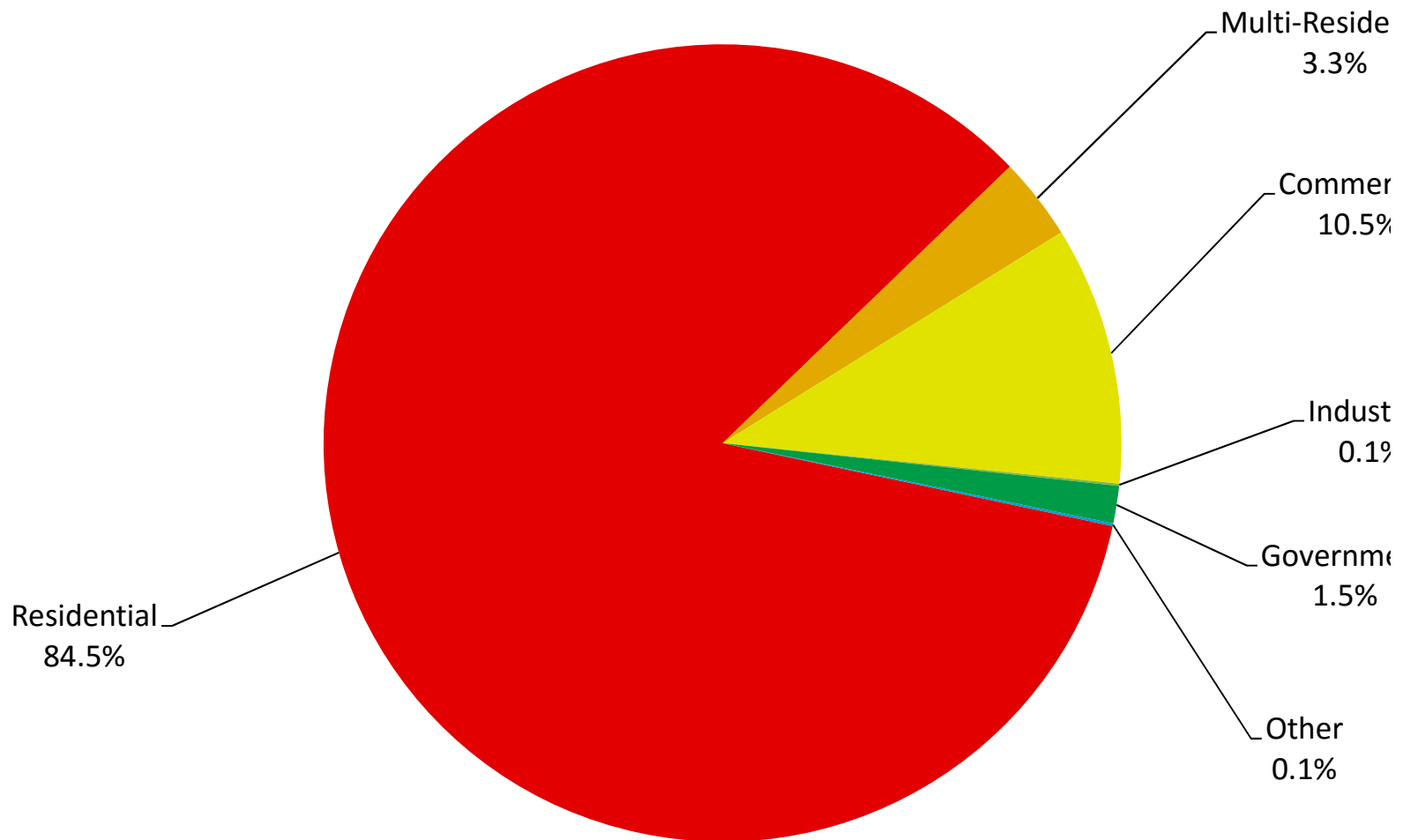
2015



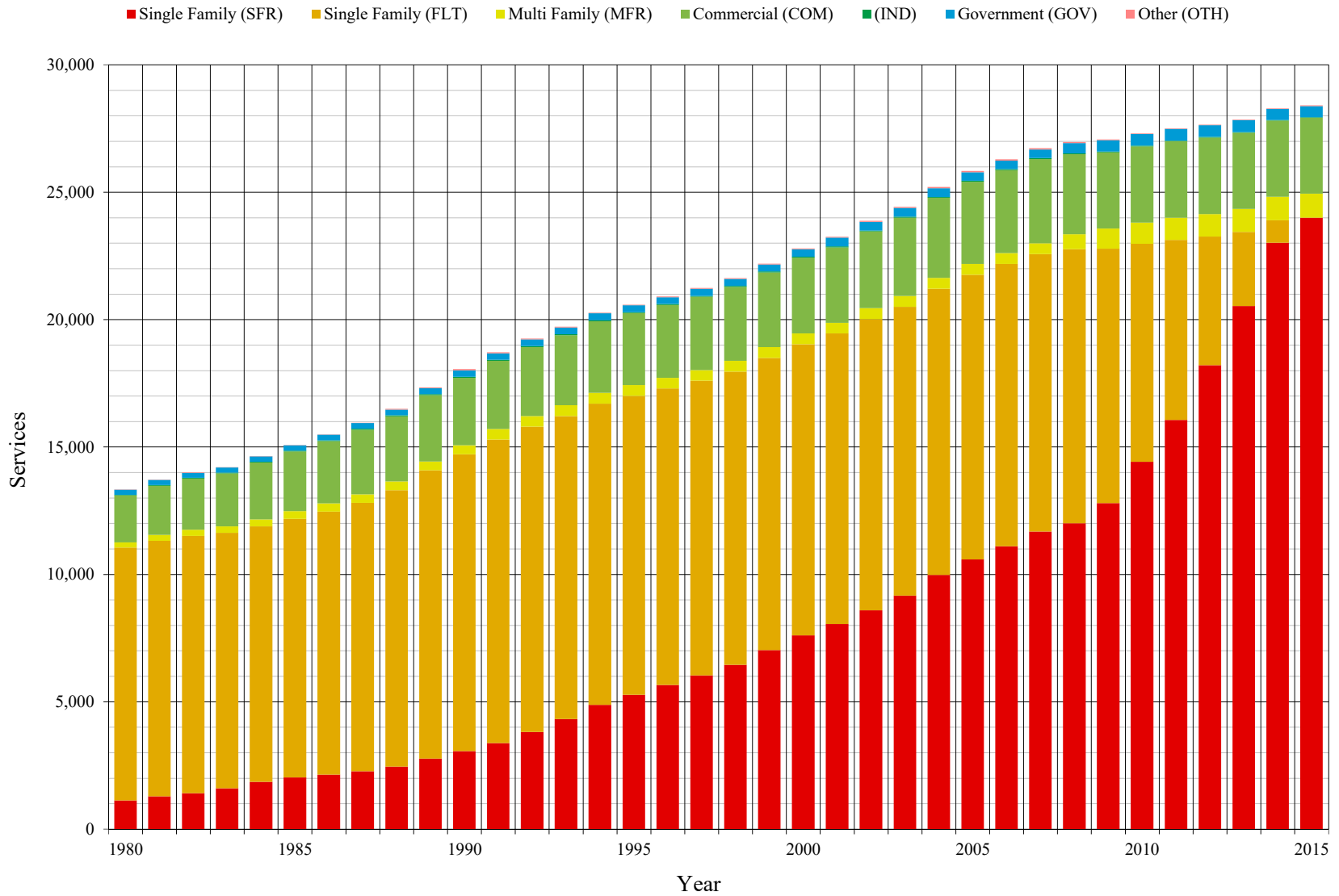
Table of Contents for Worksheets

Worksheet	Title
1	Annual Services
2	Service Growth Percentage
3	District Sales (AF)
4	Demand per Service (Gallons per Day)
5	Percentage Change in Annual Demand
6	Percentage of Total Sales
7	Percentage of Total Demand
8	Actual & Projected Annual Average Services
9	Actual & Projected Demand in Acre-Feet
10	Projected Annual Supply by Source
11	Per Capita Water Demand Calculation
12	Historical and Projected Average Day, Maximum Day, and Peak Demands
13	Population Estimate
14	Temperature & Rainfall History
15	Groundwater Facilities (if available)
16	Indoor/Outdoor Water Usage
17	SB-7 Compliance Demand Worksheet

Distribution of Services (2015)



Historical Services



California Water Service Company - Chico-Hamilton City District

Water Supply and Demand Analysis and Projections

Average Annual Services

Year	Single Family (SFR)	Single Family (FLT)	Single Family (Total)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total	Annual Change
1980	1,123	9,929	11,051	205	1,838	29	198	11	13,331	
1981	1,282	10,035	11,317	229	1,927	31	199	14	13,719	388
1982	1,408	10,101	11,508	237	2,010	32	197	14	13,997	279
1983	1,602	10,027	11,629	250	2,084	32	203	10	14,207	209
1984	1,850	10,031	11,881	275	2,232	33	210	12	14,643	437
1985	2,023	10,150	12,173	305	2,339	35	215	11	15,078	434
1986	2,141	10,320	12,461	326	2,437	35	218	12	15,488	411
1987	2,272	10,533	12,805	332	2,540	35	221	19	15,951	463
1988	2,457	10,849	13,306	343	2,552	38	225	26	16,490	539
1989	2,768	11,316	14,084	347	2,604	40	233	25	17,332	842
1990	3,063	11,646	14,708	361	2,644	41	250	47	18,052	720
1991	3,380	11,913	15,293	407	2,684	41	250	35	18,711	659
1992	3,810	11,983	15,793	420	2,706	39	268	30	19,255	544
1993	4,316	11,898	16,214	421	2,748	38	271	29	19,720	466
1994	4,878	11,821	16,699	421	2,811	39	272	29	20,271	550
1995	5,275	11,729	17,004	419	2,830	38	268	26	20,584	313
1996	5,661	11,633	17,294	417	2,860	37	269	26	20,903	319
1997	6,033	11,567	17,600	417	2,875	37	278	29	21,236	333
1998	6,448	11,508	17,956	420	2,902	38	278	30	21,625	390
1999	7,027	11,468	18,495	419	2,932	38	277	33	22,194	569
2000	7,603	11,431	19,034	419	2,974	37	294	33	22,791	596
2001	8,046	11,408	19,454	422	2,960	35	344	36	23,250	459
2002	8,586	11,431	20,017	428	3,016	35	344	36	23,875	625
2003	9,167	11,330	20,497	428	3,075	36	344	42	24,421	546
2004	9,978	11,234	21,213	426	3,139	36	340	47	25,200	779
2005	10,579	11,182	21,761	426	3,221	35	342	50	25,835	635
2006	11,104	11,078	22,182	424	3,260	36	341	50	26,292	457
2007	11,681	10,887	22,567	423	3,310	36	336	48	26,720	428
2008	11,999	10,756	22,756	592	3,146	30	400	41	26,965	245
2009	12,790	9,987	22,777	796	2,993	24	455	29	27,073	108
2010	14,411	8,565	22,976	827	2,998	23	459	23	27,306	233
2011	16,056	7,073	23,129	868	2,998	23	465	22	27,503	197
2012	18,205	5,053	23,258	883	3,001	25	465	18	27,649	146
2013	20,530	2,912	23,442	903	2,986	26	471	23	27,851	202
2014	23,009	886	23,895	924	2,988	26	428	27	28,289	438
2015	23,996	0	23,996	948	2,976	26	433	27	28,406	117
5 Yr Avg.	20,359	3,185	23,544	905	2,990	25	452	23	27,940	243
10 Yr Avg.	16,378	6,720	23,098	759	3,065	27	425	31	27,405	309
15 Yr Avg.	14,009	8,252	22,261	648	3,071	30	398	34	26,442	406
20 Yr Avg.	12,145	9,069	21,215	590	3,030	32	368	33	25,269	401

California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Service Growth Percentage

Year	Single Family (SFR)	Single Family (FLT)	Single Family (Total)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total
1981	14.22%	1.07%	2.41%	12.14%	4.85%	8.12%	0.76%	31.06%	2.91%
1982	9.78%	0.65%	1.69%	3.23%	4.31%	1.34%	-1.38%	-1.73%	2.03%
1983	13.80%	-0.73%	1.05%	5.70%	3.66%	0.00%	3.14%	-31.18%	1.50%
1984	15.50%	0.04%	2.17%	10.06%	7.10%	4.50%	3.66%	23.93%	3.08%
1985	9.36%	1.18%	2.45%	10.86%	4.83%	5.57%	2.10%	-11.03%	2.97%
1986	5.81%	1.67%	2.36%	6.74%	4.18%	1.44%	1.55%	8.53%	2.72%
1987	6.11%	2.07%	2.76%	1.87%	4.23%	-0.71%	1.45%	58.57%	2.99%
1988	8.16%	3.00%	3.91%	3.29%	0.45%	9.05%	2.00%	42.34%	3.38%
1989	12.67%	4.30%	5.85%	1.29%	2.03%	4.59%	3.22%	-6.01%	5.10%
1990	10.64%	2.92%	4.43%	3.91%	1.57%	2.51%	7.63%	90.57%	4.15%
1991	10.35%	2.29%	3.97%	12.86%	1.50%	0.81%	-0.20%	-24.91%	3.65%
1992	12.73%	0.59%	3.27%	2.99%	0.81%	-4.65%	7.10%	-16.24%	2.91%
1993	13.27%	-0.71%	2.66%	0.32%	1.56%	-2.75%	1.37%	-3.37%	2.42%
1994	13.02%	-0.64%	2.99%	-0.02%	2.28%	2.40%	0.18%	2.33%	2.79%
1995	8.14%	-0.78%	1.82%	-0.42%	0.68%	-3.83%	-1.53%	-11.08%	1.54%
1996	7.32%	-0.82%	1.71%	-0.48%	1.06%	-1.99%	0.34%	0.64%	1.55%
1997	6.57%	-0.57%	1.77%	-0.04%	0.54%	0.68%	3.44%	10.48%	1.59%
1998	6.88%	-0.51%	2.03%	0.86%	0.94%	1.79%	0.09%	4.60%	1.83%
1999	8.98%	-0.35%	3.00%	-0.34%	1.04%	0.22%	-0.57%	9.89%	2.63%
2000	8.19%	-0.32%	2.91%	0.06%	1.41%	-1.32%	6.18%	-1.50%	2.69%
2001	5.83%	-0.20%	2.21%	0.62%	-0.48%	-6.90%	17.06%	9.14%	2.01%
2002	6.71%	0.20%	2.89%	1.48%	1.90%	-0.48%	0.02%	0.70%	2.69%
2003	6.78%	-0.89%	2.40%	-0.10%	1.94%	2.64%	0.15%	15.01%	2.28%
2004	8.84%	-0.84%	3.49%	-0.47%	2.10%	1.17%	-1.21%	12.25%	3.19%
2005	6.02%	-0.47%	2.58%	0.04%	2.61%	-2.08%	0.69%	6.62%	2.52%
2006	4.96%	-0.93%	1.93%	-0.47%	1.21%	0.95%	-0.44%	0.50%	1.77%
2007	5.20%	-1.73%	1.74%	-0.16%	1.53%	1.17%	-1.32%	-4.84%	1.63%
2008	2.73%	-1.20%	0.83%	40.00%	-4.95%	-16.67%	19.02%	-14.74%	0.92%
2009	6.59%	-7.16%	0.09%	34.38%	-4.87%	-20.28%	13.53%	-29.42%	0.40%
2010	12.67%	-14.24%	0.87%	3.85%	0.18%	-2.79%	1.06%	-20.70%	0.86%
2011	11.41%	-17.41%	0.67%	4.98%	-0.02%	-3.23%	1.16%	-4.41%	0.72%
2012	13.39%	-28.56%	0.56%	1.70%	0.11%	11.48%	0.04%	-19.23%	0.53%
2013	12.77%	-42.38%	0.79%	2.31%	-0.51%	4.98%	1.34%	32.86%	0.73%
2014	12.08%	-69.57%	1.93%	2.35%	0.08%	-1.27%	-9.16%	16.49%	1.57%
2015	4.29%		0.42%	2.54%	-0.41%	0.00%	1.13%	0.31%	0.41%
5 Yr. Avg.	10.79%		0.87%	2.78%	-0.15%	2.39%	-1.10%	5.20%	0.79%
10 Yr. Avg.	8.61%		0.98%	2.14%	0.27%	1.41%	-0.77%	-4.32%	0.95%
15 Yr. Avg.	8.02%		1.56%	1.44%	0.79%	1.05%	-0.55%	0.04%	1.48%
20 Yr. Avg.	7.91%		1.74%	1.04%	0.85%	0.70%	0.17%	1.23%	1.63%

Note: Values in red are due to reclassification and not included in averages.

California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Average Annual Services

Year	Single Family (SFR)	Single Family (FLT)	Single Family (Total)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total	Annual Change
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1981	1,282	10,035	11,317	229	1,927	31	199	14	13,719	388
1982	1,408	10,101	11,508	237	2,010	32	197	14	13,997	279
1983	1,602	10,027	11,629	250	2,084	32	203	10	14,207	209
1984	1,850	10,031	11,881	275	2,232	33	210	12	14,643	437
1985	2,023	10,150	12,173	305	2,339	35	215	11	15,078	434
1986	2,141	10,320	12,461	326	2,437	35	218	12	15,488	411
1987	2,272	10,533	12,805	332	2,540	35	221	19	15,951	463
1988	2,457	10,849	13,306	343	2,552	38	225	26	16,490	539
1989	2,768	11,316	14,084	347	2,604	40	233	25	17,332	842
1990	3,063	11,646	14,708	361	2,644	41	250	47	18,052	720
1991	3,380	11,913	15,293	407	2,684	41	250	35	18,711	659
1992	3,810	11,983	15,793	420	2,706	39	268	30	19,255	544
1993	4,316	11,898	16,214	421	2,748	38	271	29	19,720	466
1994	4,878	11,821	16,699	421	2,811	39	272	29	20,271	550
1995	5,275	11,729	17,004	419	2,830	38	268	26	20,584	313
1996	5,661	11,633	17,294	417	2,860	37	269	26	20,903	319
1997	6,033	11,567	17,600	417	2,875	37	278	29	21,236	333
1998	6,448	11,508	17,956	420	2,902	38	278	30	21,625	390
1999	7,027	11,468	18,495	419	2,932	38	277	33	22,194	569
2000	7,603	11,431	19,034	419	2,974	37	294	33	22,791	596
2001	8,046	11,408	19,454	422	2,960	35	344	36	23,250	459
2002	8,586	11,431	20,017	428	3,016	35	344	36	23,875	625
2003	9,167	11,330	20,497	428	3,075	36	344	42	24,421	546
2004	9,978	11,234	21,213	426	3,139	36	340	47	25,200	779
2005	10,579	11,182	21,761	426	3,221	35	342	50	25,835	635
2006	11,104	11,078	22,182	424	3,260	36	341	50	26,292	457
2007	11,681	10,887	22,567	423	3,310	36	336	48	26,720	428
2008	11,792	10,386	22,178	591	3,100	30	395	41	26,335	-385
2009	12,581	9,629	22,209	793	2,952	24	446	29	26,454	119
2010	14,191	8,217	22,409	824	2,956	23	450	23	26,685	232
2011	15,719	6,843	22,562	865	2,957	23	456	22	26,883	198
2012	17,750	4,941	22,691	880	2,959	25	456	18	27,028	145
2013	19,955	2,912	22,867	900	2,944	26	460	23	27,221	192
2014	22,433	886	23,319	921	2,949	26	418	27	27,660	439
2015	23,420	0	23,420	945	2,936	26	422	27	27,775	116
5 Yr Avg.	19,855	3,116	22,972	902	2,949	25	442	23	27,313	241
10 Yr Avg.	16,063	6,578	22,640	757	3,032	27	418	31	26,905	246
15 Yr Avg.	13,799	8,158	21,956	646	3,049	30	393	34	26,109	364
20 Yr Avg.	11,988	8,999	20,986	589	3,014	32	364	33	25,019	369

Note: Data includes Hamilton City to and including 2006, in 2007 Hamilton City data has been separated

California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Service Growth Percentage

Year	Single Family (SFR)	Single Family (FLT)	Single Family (Total)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total
1981	14.22%	1.07%	2.41%	12.14%	4.85%	8.12%	0.76%	31.06%	2.91%
1982	9.78%	0.65%	1.69%	3.23%	4.31%	1.34%	-1.38%	-1.73%	2.03%
1983	13.80%	-0.73%	1.05%	5.70%	3.66%	0.00%	3.14%	-31.18%	1.50%
1984	15.50%	0.04%	2.17%	10.06%	7.10%	4.50%	3.66%	23.93%	3.08%
1985	9.36%	1.18%	2.45%	10.86%	4.83%	5.57%	2.10%	-11.03%	2.97%
1986	5.81%	1.67%	2.36%	6.74%	4.18%	1.44%	1.55%	8.53%	2.72%
1987	6.11%	2.07%	2.76%	1.87%	4.23%	-0.71%	1.45%	58.57%	2.99%
1988	8.16%	3.00%	3.91%	3.29%	0.45%	9.05%	2.00%	42.34%	3.38%
1989	12.67%	4.30%	5.85%	1.29%	2.03%	4.59%	3.22%	-6.01%	5.10%
1990	10.64%	2.92%	4.43%	3.91%	1.57%	2.51%	7.63%	90.57%	4.15%
1991	10.35%	2.29%	3.97%	12.86%	1.50%	0.81%	-0.20%	-24.91%	3.65%
1992	12.73%	0.59%	3.27%	2.99%	0.81%	-4.65%	7.10%	-16.24%	2.91%
1993	13.27%	-0.71%	2.66%	0.32%	1.56%	-2.75%	1.37%	-3.37%	2.42%
1994	13.02%	-0.64%	2.99%	-0.02%	2.28%	2.40%	0.18%	2.33%	2.79%
1995	8.14%	-0.78%	1.82%	-0.42%	0.68%	-3.83%	-1.53%	-11.08%	1.54%
1996	7.32%	-0.82%	1.71%	-0.48%	1.06%	-1.99%	0.34%	0.64%	1.55%
1997	6.57%	-0.57%	1.77%	-0.04%	0.54%	0.68%	3.44%	10.48%	1.59%
1998	6.88%	-0.51%	2.03%	0.86%	0.94%	1.79%	0.09%	4.60%	1.83%
1999	8.98%	-0.35%	3.00%	-0.34%	1.04%	0.22%	-0.57%	9.89%	2.63%
2000	8.19%	-0.32%	2.91%	0.06%	1.41%	-1.32%	6.18%	-1.50%	2.69%
2001	5.83%	-0.20%	2.21%	0.62%	-0.48%	-6.90%	17.06%	9.14%	2.01%
2002	6.71%	0.20%	2.89%	1.48%	1.90%	-0.48%	0.02%	0.70%	2.69%
2003	6.78%	-0.89%	2.40%	-0.10%	1.94%	2.64%	0.15%	15.01%	2.28%
2004	8.84%	-0.84%	3.49%	-0.47%	2.10%	1.17%	-1.21%	12.25%	3.19%
2005	6.02%	-0.47%	2.58%	0.04%	2.61%	-2.08%	0.69%	6.62%	2.52%
2006	4.96%	-0.93%	1.93%	-0.47%	1.21%	0.95%	-0.44%	0.50%	1.77%
2007	5.20%	-1.73%	1.74%	-0.16%	1.53%	1.17%	-1.32%	-4.84%	1.63%
2008	0.95%	-4.60%	-1.72%	39.70%	-6.34%	-16.67%	17.35%	-14.74%	-1.44%
2009	6.69%	-7.29%	0.14%	34.16%	-4.77%	-20.28%	13.04%	-29.42%	0.45%
2010	12.80%	-14.66%	0.90%	3.87%	0.14%	-2.79%	0.93%	-20.70%	0.88%
2011	10.76%	-16.72%	0.68%	5.00%	0.00%	-3.23%	1.18%	-4.41%	0.74%
2012	12.92%	-27.80%	0.57%	1.71%	0.08%	11.48%	0.11%	-19.23%	0.54%
2013	12.42%	-41.06%	0.78%	2.32%	-0.52%	4.98%	0.91%	32.36%	0.71%
2014	12.42%	-69.57%	1.98%	2.35%	0.17%	-1.27%	-9.25%	16.92%	1.61%
2015	4.40%		0.43%	2.56%	-0.44%	0.00%	0.96%	0.31%	0.42%
5 Yr. Avg.	10.58%	-33.96%	0.89%	2.79%	-0.14%	2.39%	-1.22%	5.19%	0.80%
10 Yr. Avg.	8.35%	-18.48%	0.74%	2.15%	0.27%	1.41%	-0.87%	-4.33%	0.73%
15 Yr. Avg.	7.85%	-12.46%	1.40%	1.44%	0.79%	1.05%	-0.61%	0.03%	1.33%
20 Yr. Avg.	7.78%	-9.50%	1.62%	1.05%	0.85%	0.70%	0.13%	1.23%	1.51%

Note: Values in red are due to reclassification and not included in averages.

California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Average Annual Services

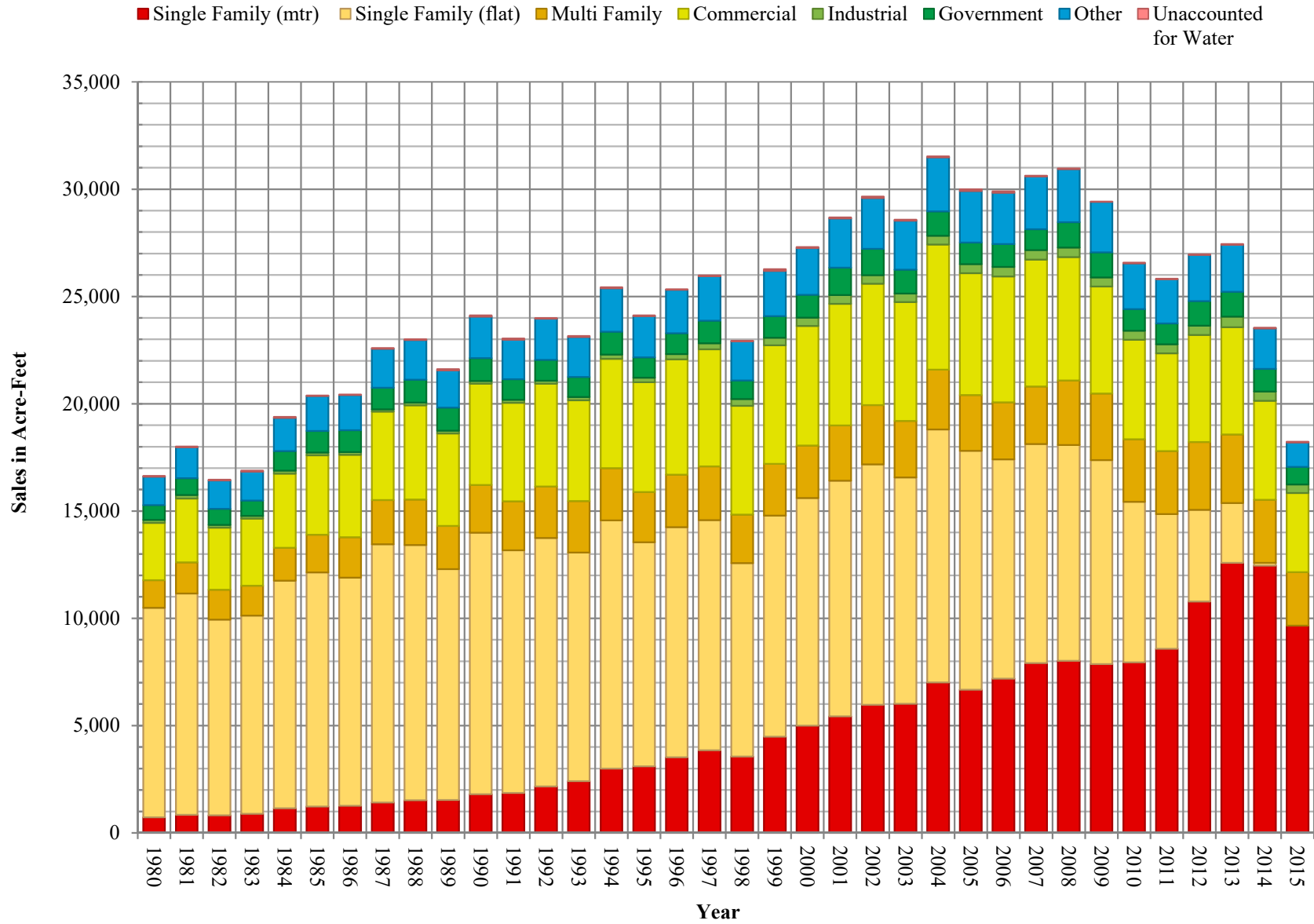
Year	Single Family (SFR)	Single Family (FLT)	Single Family (Total)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total	Annual Change
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2005										
2006										
2007										
2008	207	370	577	3	46	0	6	0	632	632
2009	209	358	567	3	41	0	8	0	619	-13
2010	220	347	567	3	42	0	9	0	621	2
2011	337	230	567	3	41	0	9	0	620	-1
2012	455	112	568	3	42	0	9	0	621	1
2013	575	0	575	3	42	0	11	0	630	9
2014	576	0	576	3	39	0	10	0	629	-2
2015	577	0	577	3	40	0	11	0	630	2
2 Yr. Avg.	576	0	576	3	40	0	11	0	630	0
3 Yr. Avg.	576	0	576	3	40	0	11	0	630	3
4 Yr. Avg.	546	28	574	3	41	0	10	0	628	3
5 Yr. Avg.	504	69	572	3	41	0	10	0	626	2

California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Service Growth Percentage

Year	Single Family (SFR)	Single Family (FLT)	Single Family (Total)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total
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1982									
1983									
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2007									
2008									
2009	1.15%	-3.35%	-1.74%	0.02%	-11.53%		47.78%		-2.00%
2010	4.90%	-2.95%	-0.05%	0.13%	2.96%		8.05%		0.25%
2011	53.22%	-33.78%	-0.07%	0.45%	-1.92%		0.16%		-0.18%
2012	35.14%	-51.10%	0.13%	0.04%	2.10%		-3.70%		0.21%
2013	26.28%	-100.00%	1.26%	0.39%	-0.01%		24.06%		1.50%
2014	0.27%		0.27%	2.91%	-6.04%		-5.42%		-0.25%
2015	0.07%		0.07%	-2.68%	1.26%		8.21%		0.26%
2 Yr. Avg.	-	-	0.17%	0.12%	-2.39%		1.40%		0.00%
3 Yr. Avg.	-	-	0.53%	0.21%	-1.60%		8.95%		0.50%
4 Yr. Avg.	-	-	0.43%	0.17%	-0.67%		5.79%		0.43%
5 Yr. Avg.	-	-	0.33%	0.22%	-0.92%		4.66%		0.31%

Note: Values in red are due to reclassification and not included in averages.

Historical Sales



California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Sales (AF)

Worksheet 3

Year	Single Family			Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Unaccounted for Water (UAFW)	Total Sales (AF)	Total Demand (AF)	Total Demand (MGal)
	(SFR)	(FLT)	(Total)									
1980	720	9,767	10,487	1,287	2,676	133	689	29	1,331	15,302	16,632	5,420
1981	841	10,318	11,159	1,448	2,973	165	782	36	1,440	16,563	18,003	5,866
1982	824	9,117	9,941	1,388	2,900	123	752	41	1,317	15,146	16,463	5,364
1983	895	9,235	10,130	1,393	3,127	123	716	39	1,350	15,528	16,878	5,500
1984	1,148	10,601	11,749	1,539	3,449	140	916	44	1,551	17,838	19,389	6,318
1985	1,232	10,911	12,142	1,758	3,699	122	1,005	28	1,631	18,755	20,386	6,643
1986	1,260	10,636	11,896	1,881	3,848	123	1,024	19	1,634	18,792	20,426	6,656
1987	1,417	12,041	13,458	2,053	4,122	111	1,005	38	1,807	20,786	22,594	7,362
1988	1,524	11,890	13,414	2,125	4,386	129	1,072	35	1,840	21,161	23,001	7,495
1989	1,533	10,754	12,287	2,015	4,311	130	1,081	58	1,729	19,883	21,612	7,042
1990	1,805	12,189	13,995	2,224	4,715	133	1,066	54	1,929	22,187	24,116	7,858
1991	1,864	11,313	13,177	2,277	4,591	138	956	61	1,843	21,199	23,043	7,509
1992	2,162	11,577	13,739	2,407	4,785	137	973	27	1,919	22,068	23,987	7,816
1993	2,413	10,648	13,060	2,401	4,701	153	939	47	1,852	21,302	23,154	7,545
1994	2,995	11,567	14,562	2,436	5,098	194	1,062	45	2,035	23,398	25,432	8,287
1995	3,098	10,442	13,541	2,346	5,121	205	944	32	1,929	22,189	24,119	7,859
1996	3,523	10,722	14,245	2,452	5,370	243	971	30	2,027	23,311	25,338	8,256
1997	3,851	10,729	14,580	2,496	5,460	281	1,050	35	2,078	23,902	25,980	8,466
1998	3,557	9,018	12,575	2,261	5,067	310	869	14	1,835	21,097	22,932	7,472
1999	4,484	10,306	14,789	2,411	5,526	349	1,009	83	2,102	24,168	26,269	8,560
2000	4,996	10,612	15,608	2,439	5,577	391	1,061	41	2,184	25,117	27,301	8,896
2001	5,436	10,974	16,409	2,582	5,664	406	1,275	57	2,295	26,394	28,689	9,348
2002	5,970	11,206	17,175	2,767	5,654	391	1,229	72	2,373	27,288	29,661	9,665
2003	6,013	10,555	16,569	2,629	5,544	390	1,120	36	2,286	26,287	28,573	9,311
2004	7,010	11,796	18,806	2,783	5,831	407	1,137	43	2,522	29,007	31,529	10,274
2005	6,667	11,144	17,811	2,595	5,684	419	1,000	83	2,399	27,592	29,992	9,773
2006	7,186	10,219	17,405	2,667	5,858	450	1,064	61	2,392	27,505	29,897	9,742
2007	7,914	10,209	18,123	2,686	5,906	442	982	37	2,450	28,176	30,626	9,980
2008	8,017	10,060	18,077	3,012	5,751	434	1,185	33	2,478	28,492	30,970	10,092
2009	7,868	9,512	17,380	3,092	4,992	419	1,173	17	2,354	27,072	29,427	9,589
2010	7,953	7,479	15,432	2,911	4,638	422	1,011	33	2,126	24,446	26,572	8,658
2011	8,576	6,276	14,852	2,941	4,557	423	969	20	2,066	23,762	25,828	8,416
2012	10,778	4,279	15,057	3,161	4,982	436	1,148	17	2,157	24,801	26,958	8,784
2013	12,582	2,784	15,366	3,201	5,002	490	1,158	33	2,196	25,250	27,446	8,943
2014	12,454	126	12,580	2,949	4,606	435	1,051	40	1,884	21,661	23,544	7,672
2015	9,663	0	9,663	2,495	3,688	397.8	815	28	1,140	17,087	18,227	5,939

California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Sales (AF)

Worksheet 3

Year	Single Family			Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Unaccounted for Water (UAFW)	Total Sales (AF)	Total Demand (AF)	Total Demand (MGal)
	(SFR)	(FLT)	(Total)									
1980	720	9,767	10,487	1,287	2,676	133	689	29	1,331	15,302	16,632	5,420
1981	841	10,318	11,159	1,448	2,973	165	782	36	1,440	16,563	18,003	5,866
1982	824	9,117	9,941	1,388	2,900	123	752	41	1,317	15,146	16,463	5,364
1983	895	9,235	10,130	1,393	3,127	123	716	39	1,350	15,528	16,878	5,500
1984	1,148	10,601	11,749	1,539	3,449	140	916	44	1,551	17,838	19,389	6,318
1985	1,232	10,911	12,142	1,758	3,699	122	1,005	28	1,631	18,755	20,386	6,643
1986	1,260	10,636	11,896	1,881	3,848	123	1,024	19	1,634	18,792	20,426	6,656
1987	1,417	12,041	13,458	2,053	4,122	111	1,005	38	1,807	20,786	22,594	7,362
1988	1,524	11,890	13,414	2,125	4,386	129	1,072	35	1,840	21,161	23,001	7,495
1989	1,533	10,754	12,287	2,015	4,311	130	1,081	58	1,729	19,883	21,612	7,042
1990	1,805	12,189	13,994	2,224	4,715	133	1,066	54	1,929	22,187	24,116	7,858
1991	1,864	11,313	13,177	2,277	4,591	138	956	61	1,843	21,199	23,043	7,509
1992	2,162	11,577	13,739	2,407	4,785	137	973	27	1,919	22,068	23,987	7,816
1993	2,413	10,648	13,060	2,401	4,701	153	939	47	1,852	21,302	23,154	7,545
1994	2,995	11,567	14,562	2,436	5,098	194	1,062	45	2,035	23,398	25,432	8,287
1995	3,098	10,442	13,541	2,346	5,121	205	944	32	1,929	22,189	24,119	7,859
1996	3,523	10,722	14,244	2,452	5,370	243	971	30	2,027	23,311	25,338	8,256
1997	3,851	10,729	14,580	2,496	5,460	281	1,050	35	2,078	23,902	25,980	8,466
1998	3,557	9,018	12,575	2,261	5,067	310	869	14	1,835	21,097	22,932	7,472
1999	4,484	10,306	14,789	2,411	5,526	349	1,009	83	2,102	24,168	26,269	8,560
2000	4,996	10,612	15,608	2,439	5,577	391	1,061	41	2,184	25,117	27,301	8,896
2001	5,436	10,974	16,409	2,582	5,664	406	1,275	57	2,295	26,394	28,689	9,348
2002	5,970	11,206	17,175	2,767	5,654	391	1,229	72	2,373	27,288	29,660	9,665
2003	6,013	10,555	16,569	2,629	5,544	390	1,120	36	2,286	26,287	28,573	9,311
2004	7,010	11,796	18,806	2,783	5,831	407	1,137	43	2,522	29,006	31,529	10,274
2005	6,667	11,144	17,811	2,595	5,684	419	1,000	83	2,399	27,592	29,992	9,773
2006	7,186	10,219	17,405	2,667	5,858	450	1,064	61	2,392	27,505	29,897	9,742
2007	7,914	10,209	18,123	2,686	5,906	442	982	37	2,450	28,176	30,626	9,980
2008	7,916	9,630	17,546	3,010	5,700	434	1,175	33	2,426	27,898	30,324	9,881
2009	7,767	8,965	16,732	3,088	4,948	419	1,148	17	2,291	26,351	28,643	9,333
2010	7,857	7,131	14,988	2,907	4,599	422	979	33	2,081	23,927	26,008	8,475
2011	8,413	6,058	14,471	2,937	4,520	423	946	20	2,028	23,317	25,345	8,259
2012	10,537	4,161	14,698	3,157	4,942	436	1,117	17	2,119	24,367	26,486	8,630
2013	12,284	2,763	15,048	3,196	4,963	490	1,115	33	2,160	24,845	27,006	8,800
2014	12,183	103	12,286	2,944	4,570	435	1,012	40	1,851	21,288	23,139	7,540
2015	12,244	0	12,244	3,043	4,705	454.9	1,062	37	-3,682	21,546	17,864	5,821

Note: 1980-2007 sales data includes CH and HAM, 2008-present, systems are separated

California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Sales (AF)

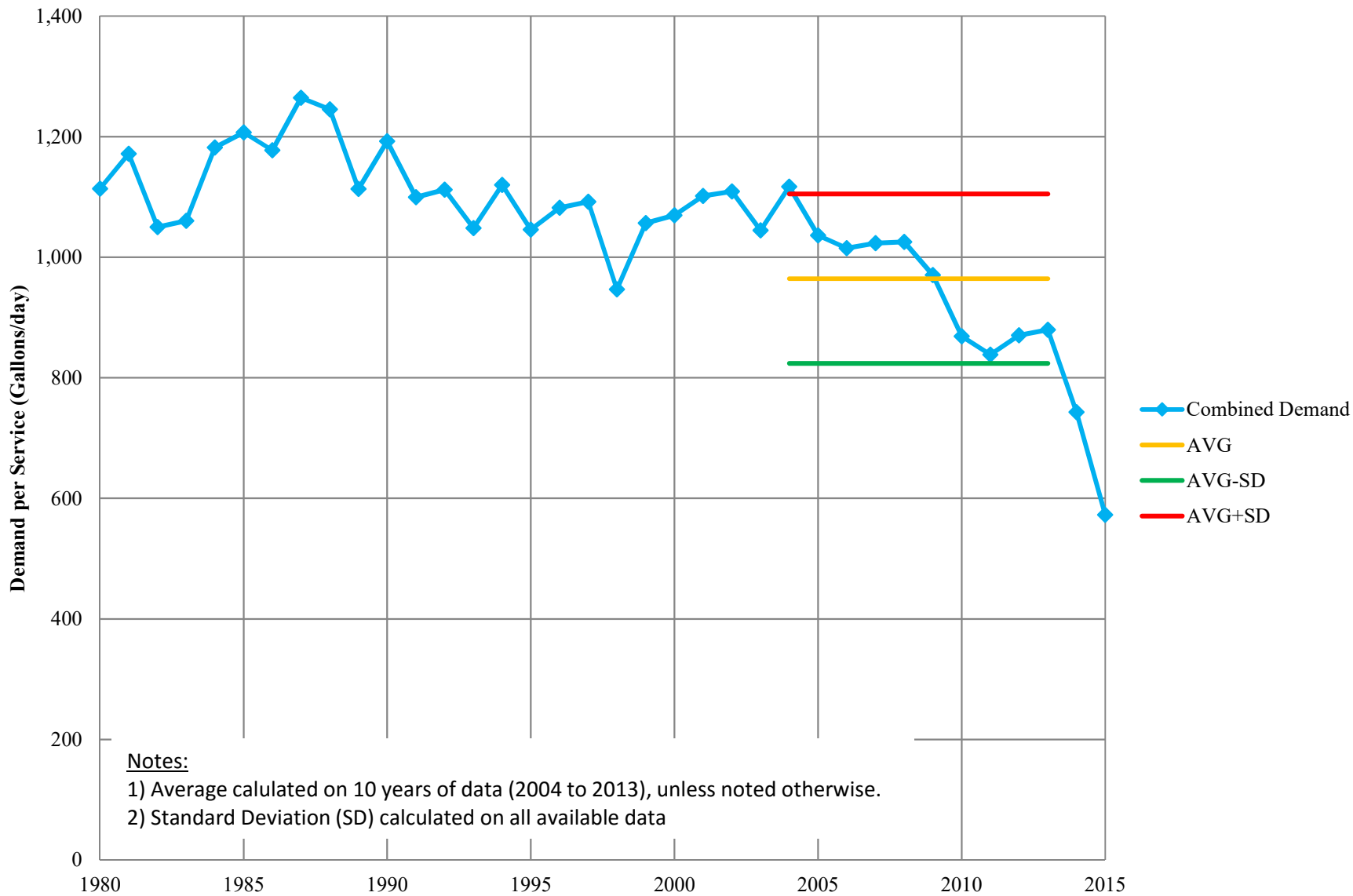
Worksheet 3

Year	Single Family			Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Unaccounted for Water (UAFW)	Total Sales (AF)	Total Demand (AF)	Total Demand (MGal)
	(SFR)	(FLT)	(Total)									
1980											398	130
1981											420	137
1982											389	127
1983											401	131
1984											447	146
1985											426	139
1986											462	150
1987											538	175
1988											540	176
1989											499	162
1990											550	179
1991											543	177
1992											568	185
1993											526	171
1994											621	202
1995											564	184
1996											581	189
1997											591	193
1998											462	150
1999											563	183
2000											596	194
2001											634	207
2002											670	218
2003											602	196
2004											656	214
2005											620	202
2006											613	200
2007											655	213
2008	102	430	531	2	51	0	10	0	52	594	645	210
2009	101	547	648	4	45	0	25	0	63	721	784	255
2010	95	349	444	4	40	0	32	0	45	519	564	184
2011	163	218	381	4	37	0	24	0	39	445	484	158
2012	241	118	359	4	40	0	31	0	38	434	472	154
2013	297	0	297	5	36	0	42	0	60	381	440	143
2014	270	0	270	4	36	0	39	0	56	349	405	132
2015	282	0	282	4	36	0.0	40	0	1	362	363	118

Note: Flat rates are zero in 2013 for Hamilton City

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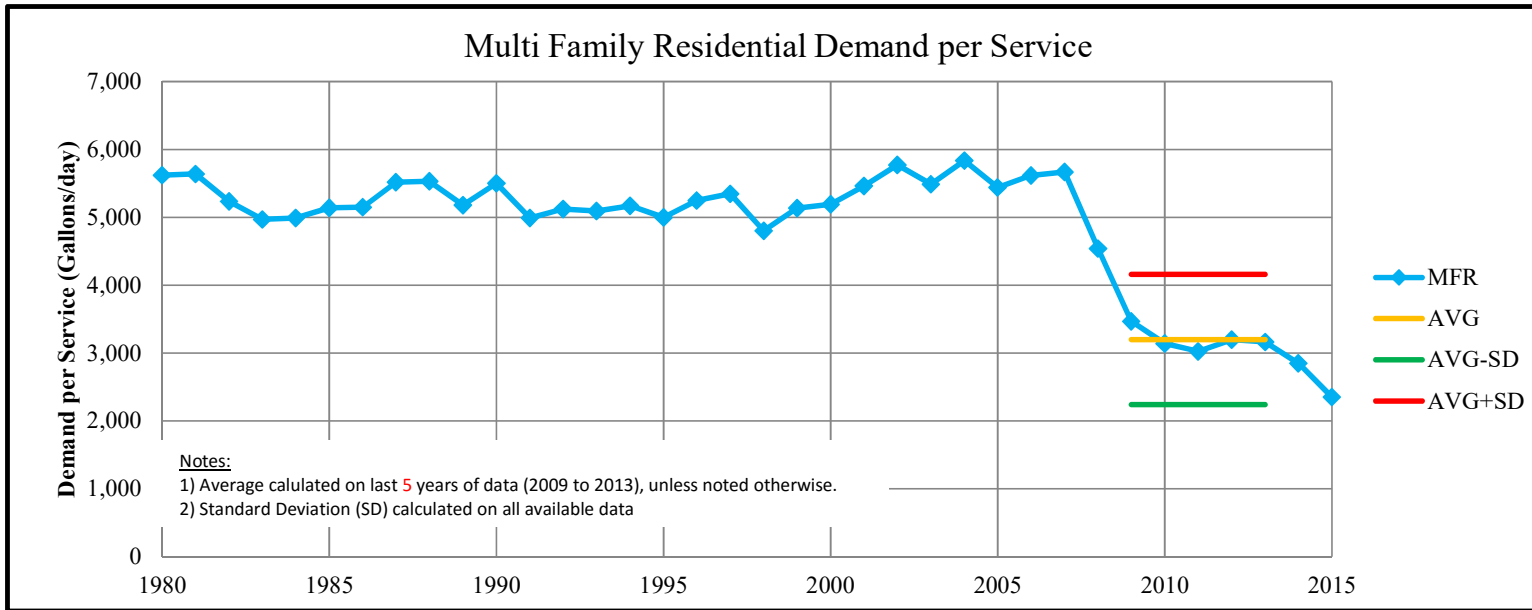
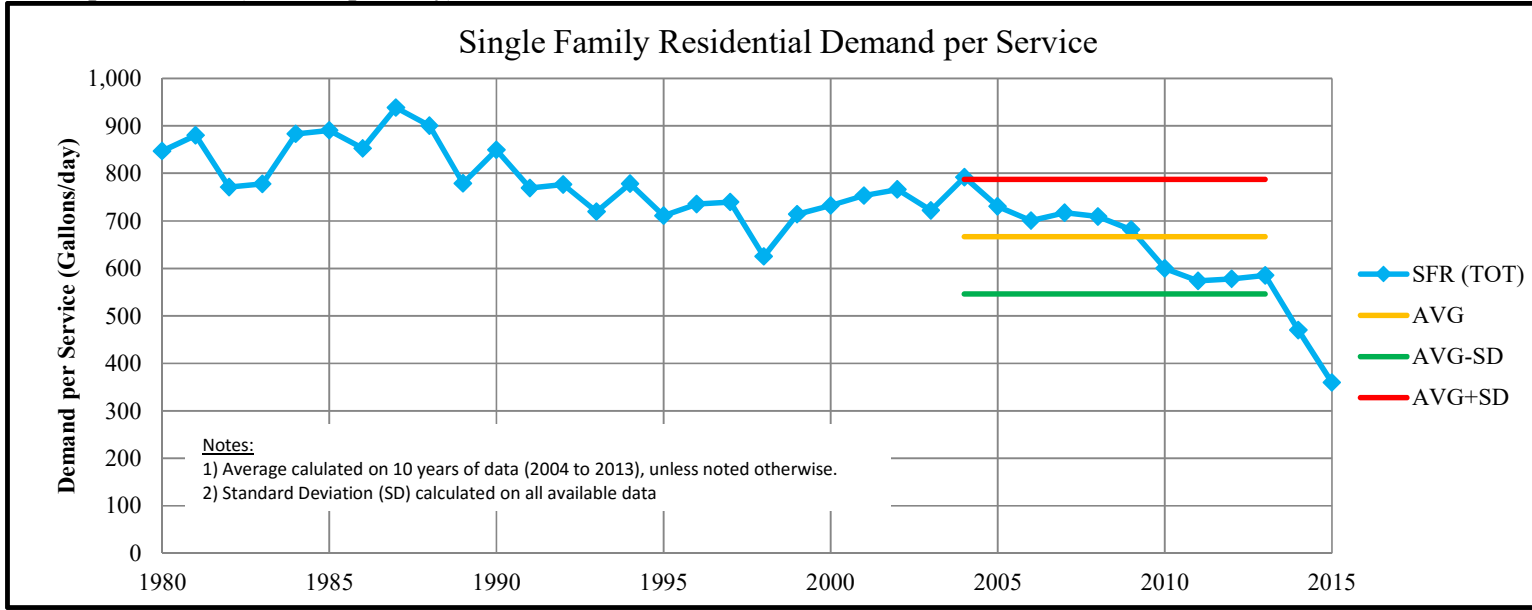
Combined Demand per Service (District)



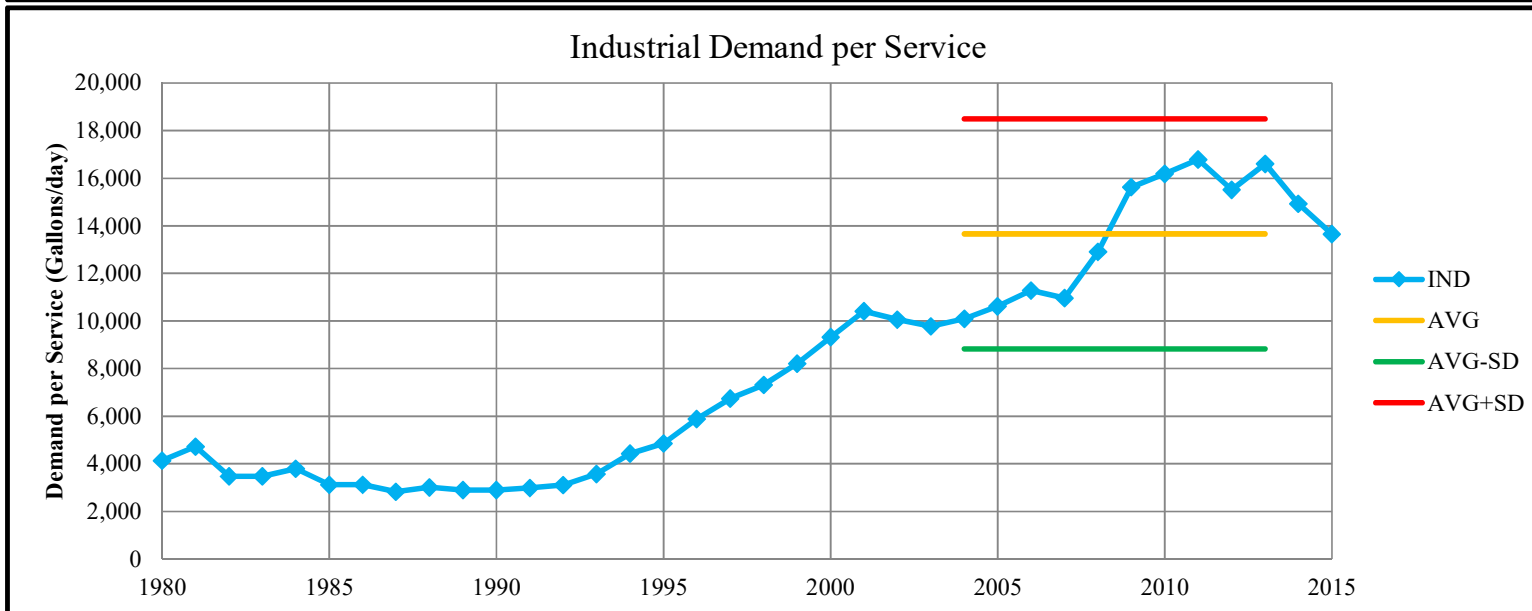
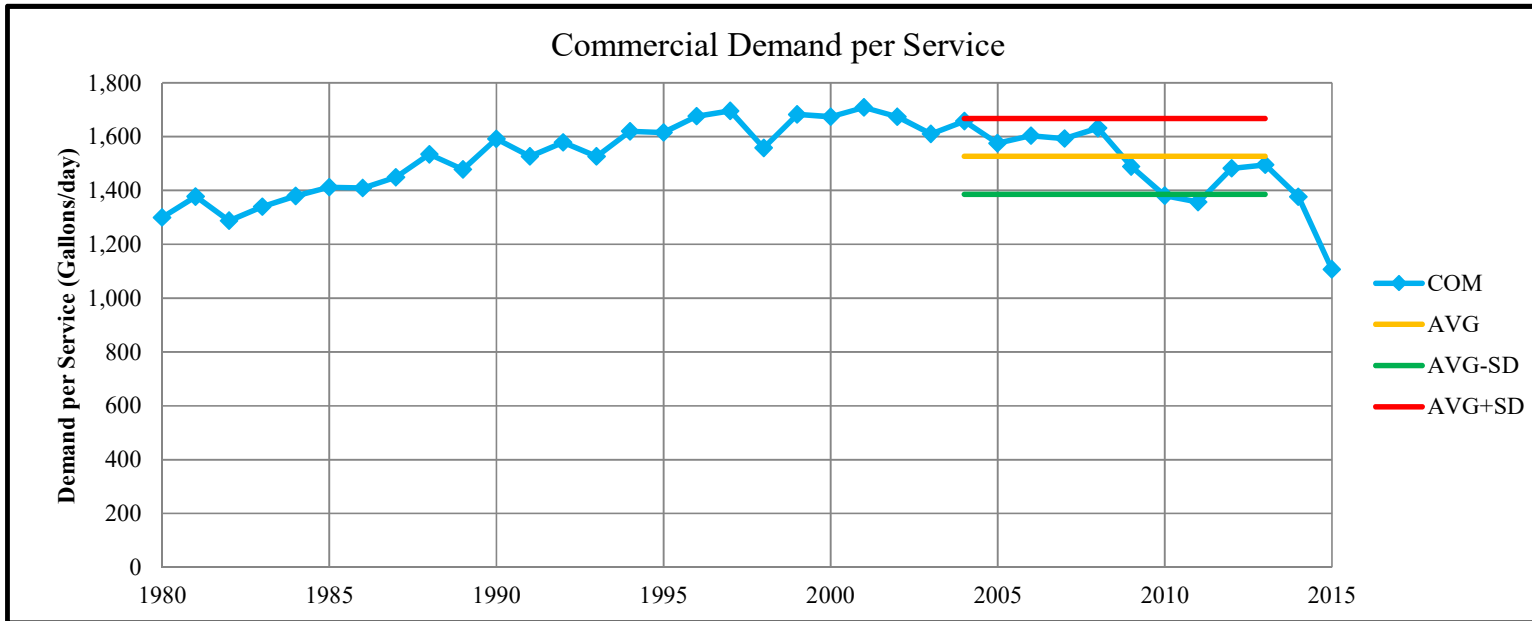
California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)

Year	SFR (MTR)	SFR (FLT)	SFR (TOT)	MFR	COM	IND	GOV	OTH	UAFW	Combined Demand/Serv
1980	573	878	847	5,619	1,300	4,142	3,111	2,364	89	1,114
1981	585	918	880	5,638	1,377	4,731	3,506	2,235	94	1,172
1982	522	806	771	5,235	1,288	3,480	3,417	2,608	84	1,050
1983	499	822	778	4,970	1,340	3,474	3,154	3,610	85	1,061
1984	554	943	883	4,989	1,380	3,797	3,893	3,240	95	1,182
1985	543	960	890	5,140	1,412	3,124	4,184	2,352	97	1,207
1986	526	920	852	5,151	1,409	3,121	4,198	1,477	94	1,177
1987	557	1,021	938	5,520	1,449	2,830	4,059	1,816	101	1,264
1988	554	978	900	5,533	1,534	3,013	4,245	1,178	100	1,245
1989	494	848	779	5,180	1,478	2,903	4,147	2,107	89	1,113
1990	526	934	849	5,501	1,592	2,902	3,799	1,028	95	1,193
1991	492	848	769	4,990	1,527	2,988	3,414	1,543	88	1,099
1992	507	863	777	5,123	1,579	3,115	3,246	799	89	1,112
1993	499	799	719	5,093	1,527	3,573	3,090	1,477	84	1,048
1994	548	874	778	5,169	1,619	4,431	3,488	1,359	90	1,120
1995	524	795	711	4,998	1,616	4,863	3,150	1,105	84	1,046
1996	556	823	735	5,250	1,676	5,885	3,227	1,028	87	1,082
1997	570	828	740	5,346	1,695	6,739	3,375	1,069	87	1,092
1998	492	700	625	4,802	1,559	7,325	2,790	418	76	947
1999	570	802	714	5,138	1,682	8,210	3,259	2,229	85	1,057
2000	587	829	732	5,194	1,674	9,321	3,227	1,128	86	1,069
2001	603	859	753	5,464	1,709	10,416	3,313	1,412	88	1,102
2002	621	875	766	5,771	1,674	10,057	3,192	1,771	89	1,109
2003	586	832	722	5,489	1,610	9,775	2,906	769	84	1,045
2004	627	937	791	5,836	1,658	10,096	2,985	826	89	1,117
2005	563	890	731	5,440	1,575	10,619	2,608	1,500	83	1,036
2006	578	824	701	5,618	1,604	11,281	2,786	1,093	81	1,015
2007	605	837	717	5,667	1,593	10,968	2,606	689	82	1,023
2008	596	835	709	4,539	1,632	12,910	2,642	734	82	1,025
2009	549	850	681	3,468	1,489	15,628	2,304	517	78	970
2010	493	780	600	3,143	1,381	16,187	1,964	1,303	69	869
2011	477	792	573	3,026	1,357	16,785	1,862	818	67	838
2012	529	756	578	3,197	1,482	15,523	2,204	862	70	870
2013	547	854	585	3,164	1,496	16,607	2,193	1,286	70	880
2014	483	127	470	2,848	1,376	14,932	2,193	1,329	59	743
2015	359		359	2,350	1,107	13,658	1,681	911	36	573
10-yr AVG			667	3,199	1,527	13,660	2,415	963	77	964
SD			121	959	141	4,829	685	739	12	140

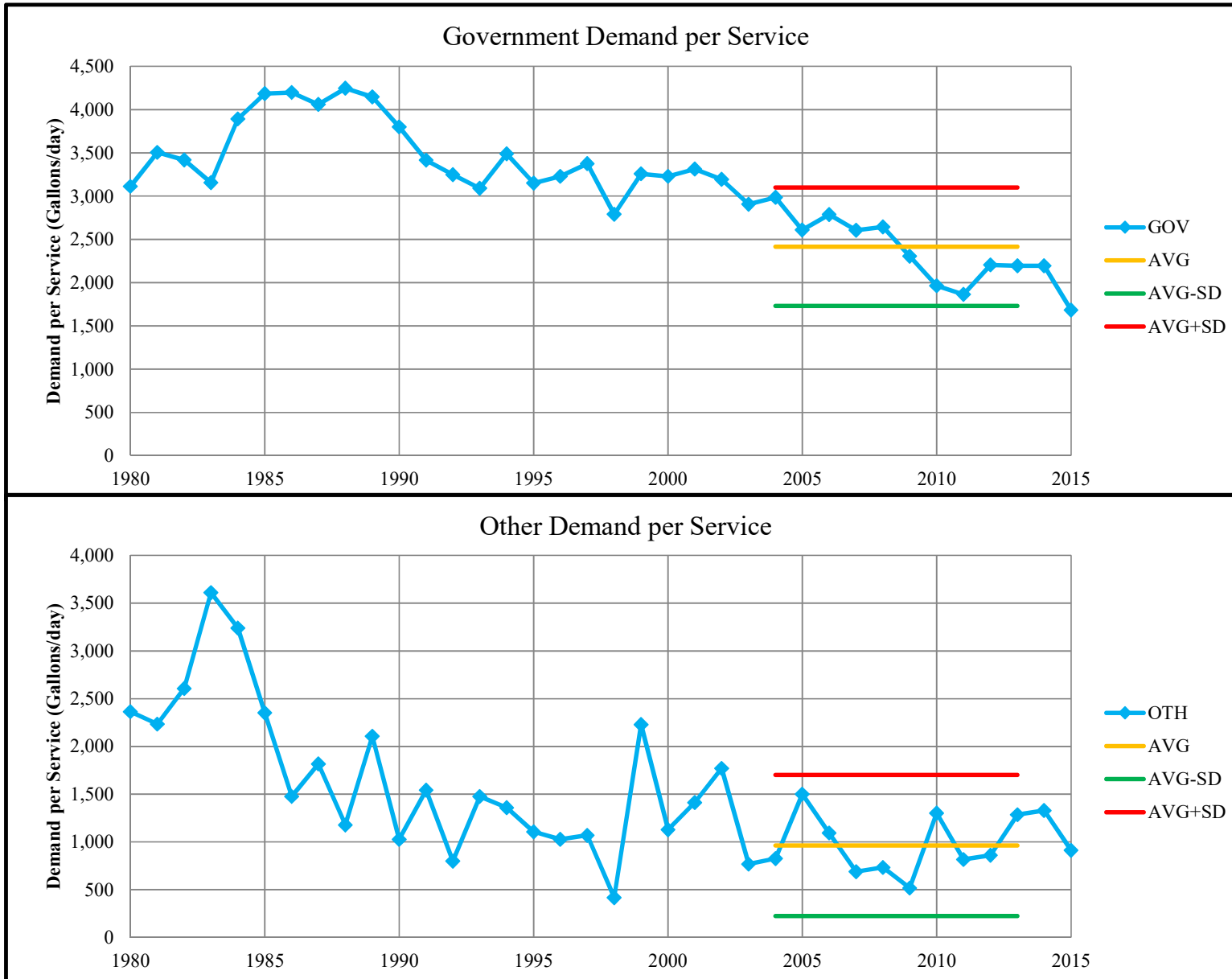
California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



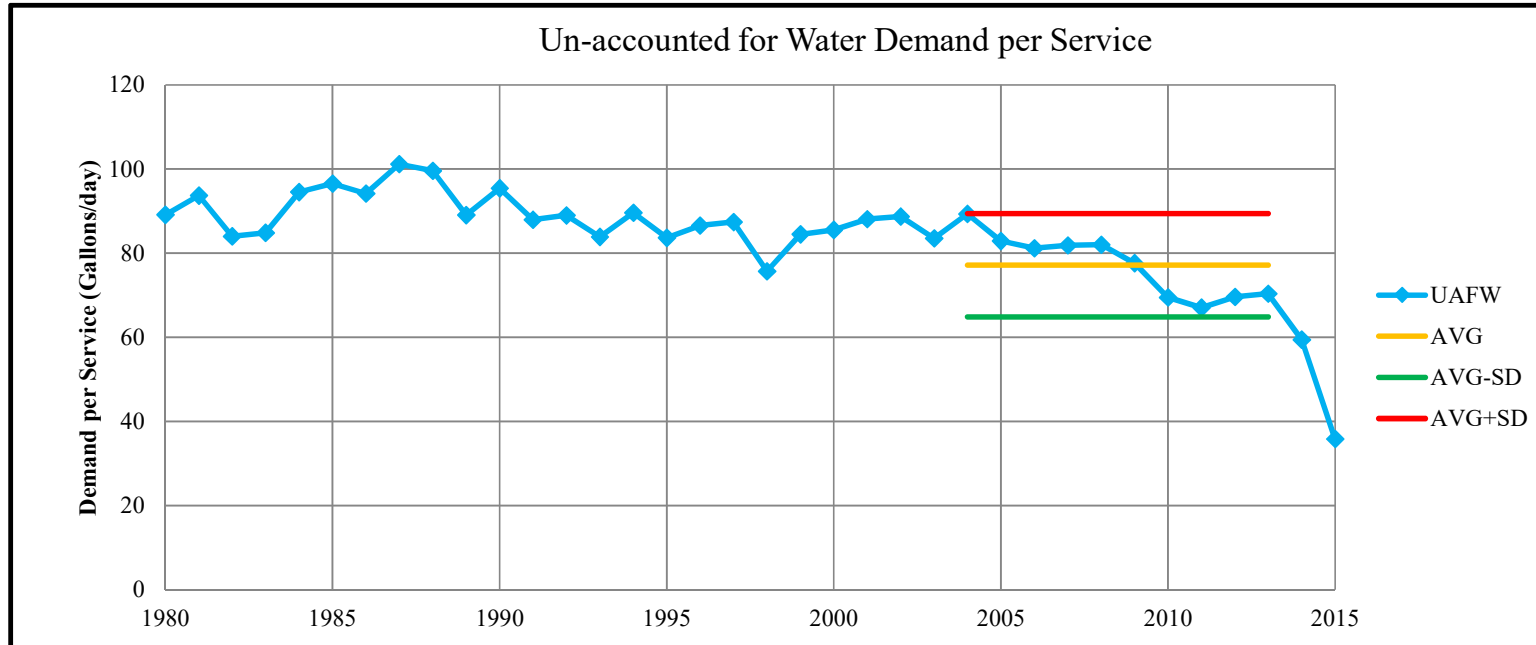
California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



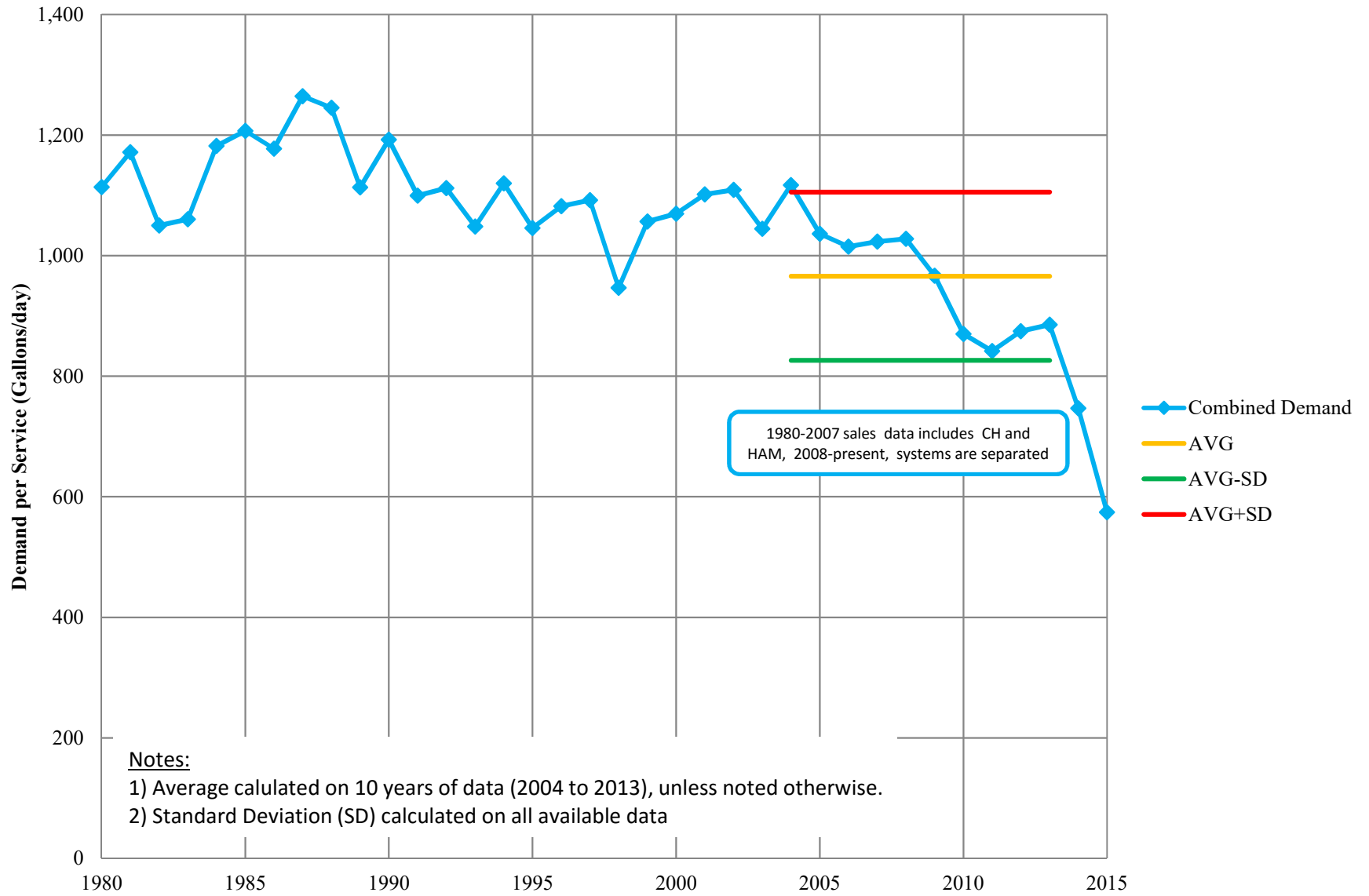
California Water Service Company - Chico-Hamilton City District

Water Supply and Demand Analysis and Projections

Demand per Service (Gallons per Day)



Combined Demand per Service (Chico System)

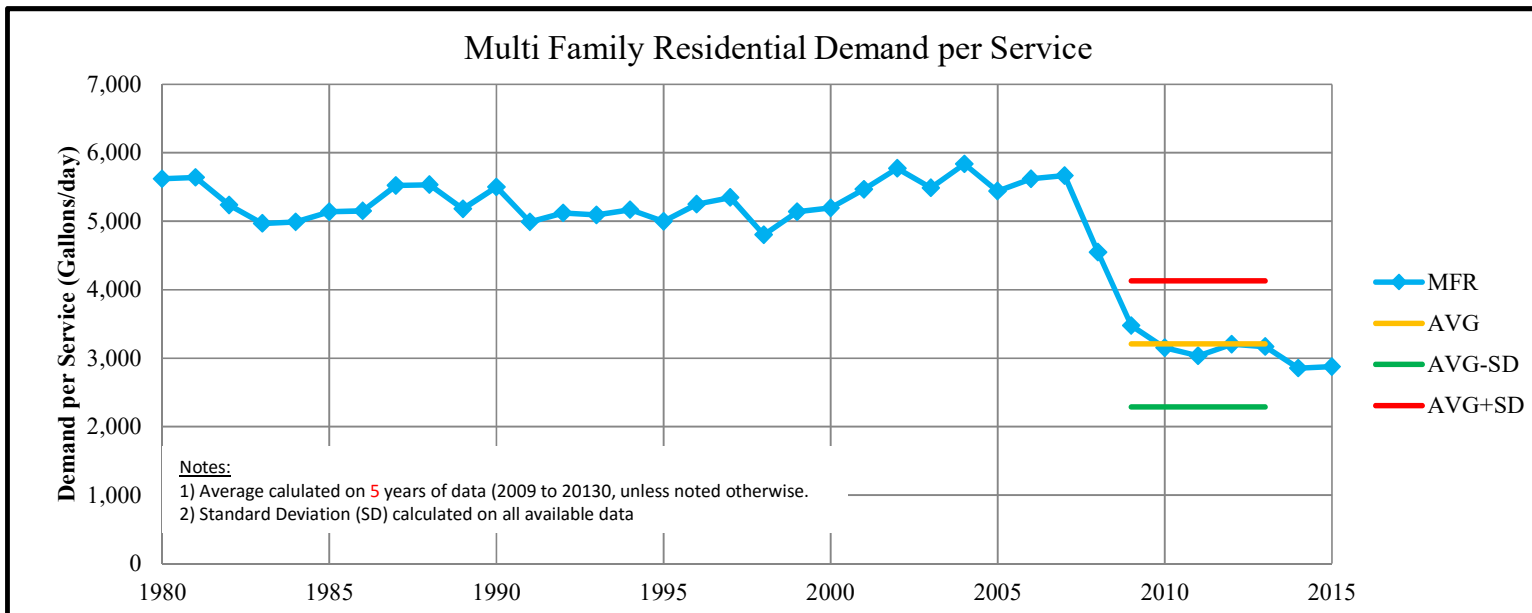
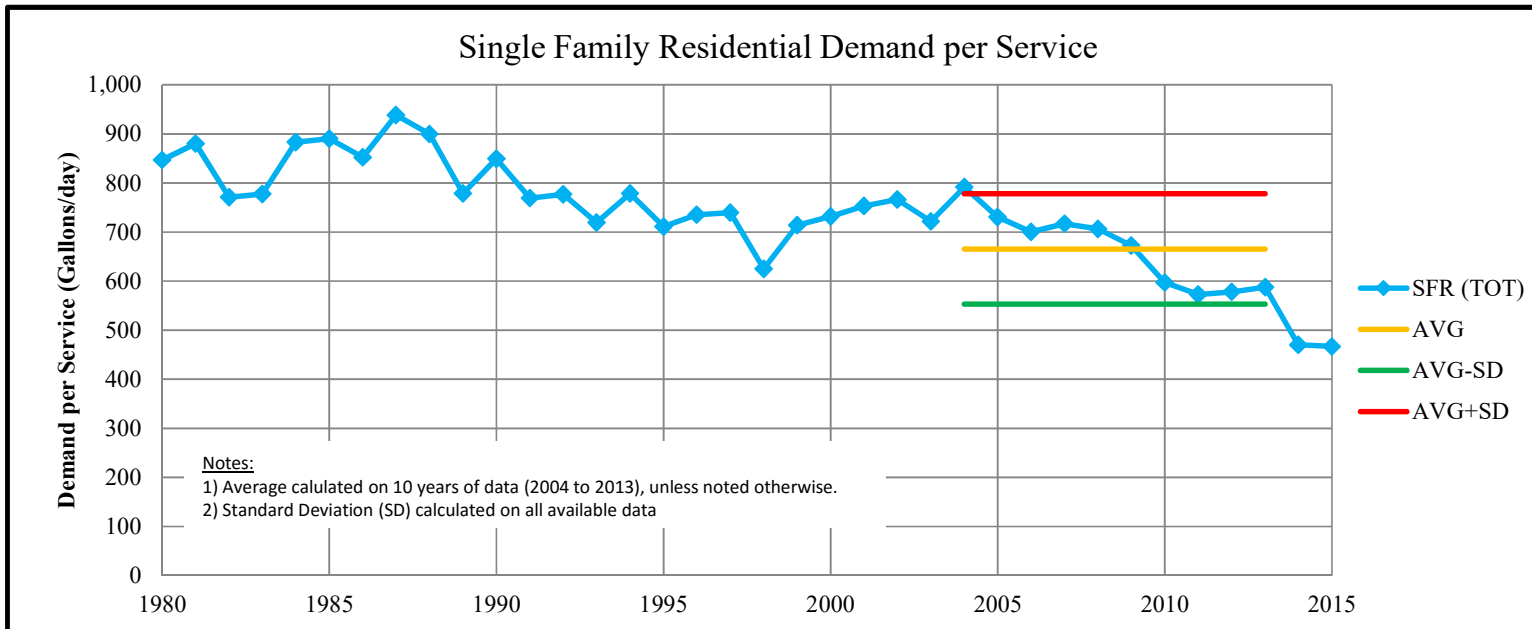


California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)

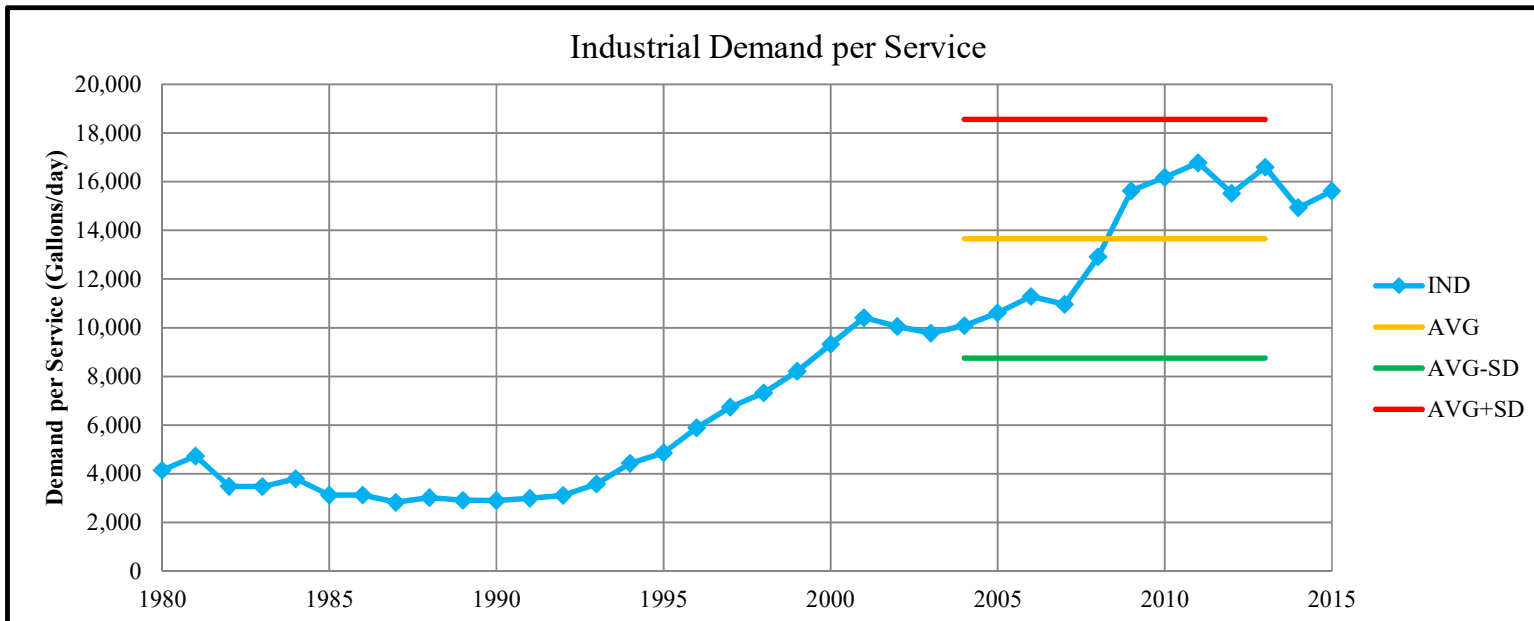
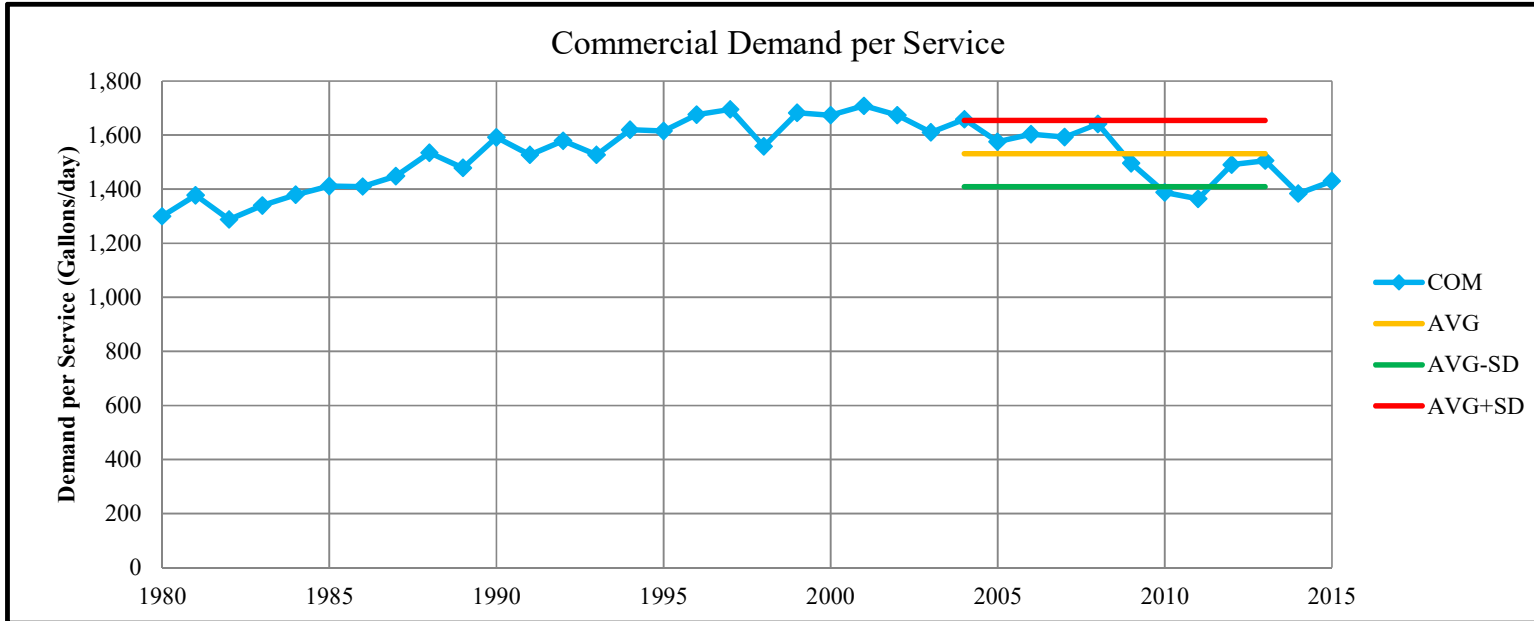
Year	SFR (MTR)	SFR (FLT)	SFR (TOT)	MFR	COM	IND	GOV	OTH	UAFW	Combined Demand/Serv
1980	573	878	847	5,619	1,300	4,142	3,111	2,364	89	1,114
1981	585	918	880	5,638	1,377	4,731	3,506	2,235	94	1,172
1982	522	806	771	5,235	1,288	3,480	3,417	2,608	84	1,050
1983	499	822	778	4,970	1,340	3,474	3,154	3,610	85	1,061
1984	554	943	883	4,989	1,380	3,797	3,893	3,240	95	1,182
1985	543	960	890	5,140	1,412	3,124	4,184	2,352	97	1,207
1986	526	920	852	5,151	1,409	3,121	4,198	1,477	94	1,177
1987	557	1,021	938	5,520	1,449	2,830	4,059	1,816	101	1,264
1988	554	978	900	5,533	1,534	3,013	4,245	1,178	100	1,245
1989	494	848	779	5,180	1,478	2,903	4,147	2,107	89	1,113
1990	526	934	849	5,501	1,592	2,902	3,799	1,028	95	1,193
1991	492	848	769	4,990	1,527	2,988	3,414	1,543	88	1,099
1992	507	863	777	5,123	1,579	3,115	3,246	799	89	1,112
1993	499	799	719	5,093	1,527	3,573	3,090	1,477	84	1,048
1994	548	874	778	5,169	1,619	4,431	3,488	1,359	90	1,120
1995	524	795	711	4,998	1,616	4,863	3,150	1,105	84	1,046
1996	556	823	735	5,250	1,676	5,885	3,227	1,028	87	1,082
1997	570	828	740	5,346	1,695	6,739	3,375	1,069	87	1,092
1998	492	700	625	4,802	1,559	7,325	2,790	418	76	947
1999	570	802	714	5,138	1,682	8,210	3,259	2,229	85	1,057
2000	587	829	732	5,194	1,674	9,321	3,227	1,128	86	1,069
2001	603	859	753	5,464	1,709	10,416	3,313	1,412	88	1,102
2002	621	875	766	5,771	1,674	10,057	3,192	1,771	89	1,109
2003	586	832	722	5,489	1,610	9,775	2,906	769	84	1,045
2004	627	937	791	5,836	1,658	10,096	2,985	826	89	1,117
2005	563	890	731	5,440	1,575	10,619	2,608	1,500	83	1,036
2006	578	824	701	5,618	1,604	11,281	2,786	1,093	81	1,015
2007	605	837	717	5,667	1,593	10,968	2,606	689	82	1,023
2008	599	828	706	4,545	1,642	12,910	2,658	734	82	1,028
2009	551	831	673	3,476	1,496	15,628	2,297	517	77	967
2010	494	775	597	3,150	1,389	16,187	1,941	1,303	70	870
2011	478	790	573	3,032	1,365	16,785	1,853	818	67	842
2012	530	752	578	3,204	1,491	15,523	2,186	862	70	875
2013	550	847	587	3,170	1,505	16,607	2,163	1,291	71	886
2014	485	104	470	2,853	1,384	14,932	2,163	1,329	60	747
2015	467		467	2,875	1,431	15,620	2,248	1,201	-118	574
10-yr AVG			665	3,207	1,532	13,660	2,408	963	77	966
SD			112	921	123	4,904	662	734	35	140

Note: 1980-2007 sales data includes CH and HAM, 2008-present, systems are separated

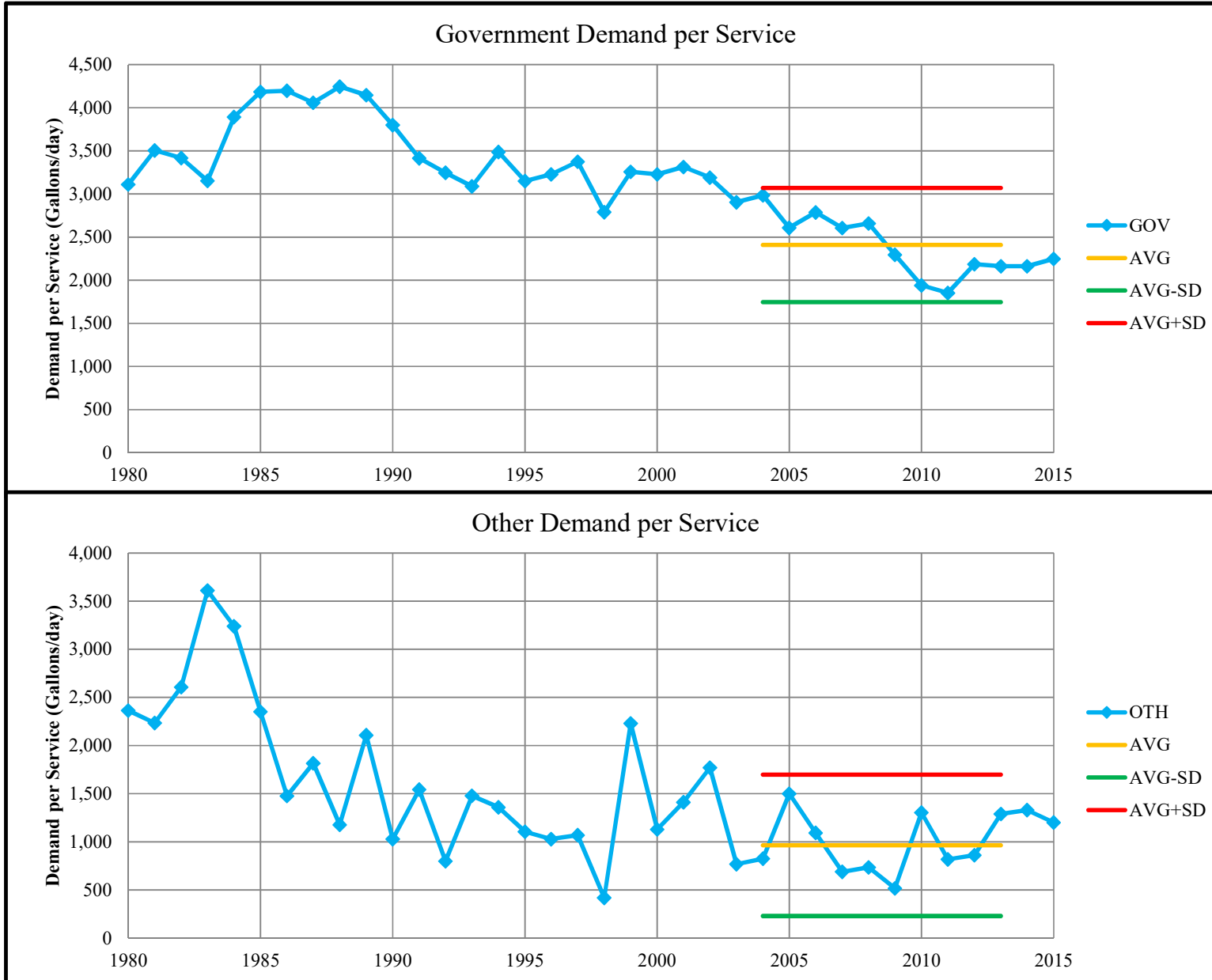
California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



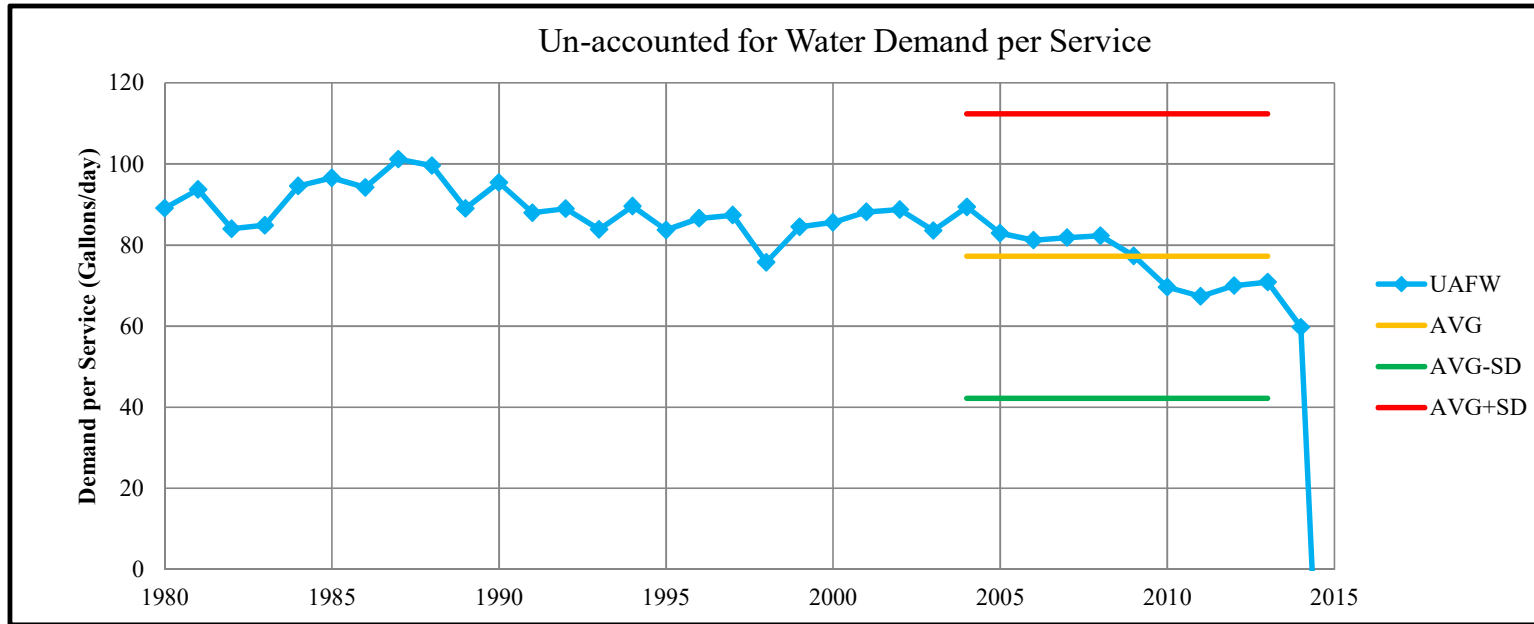
California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



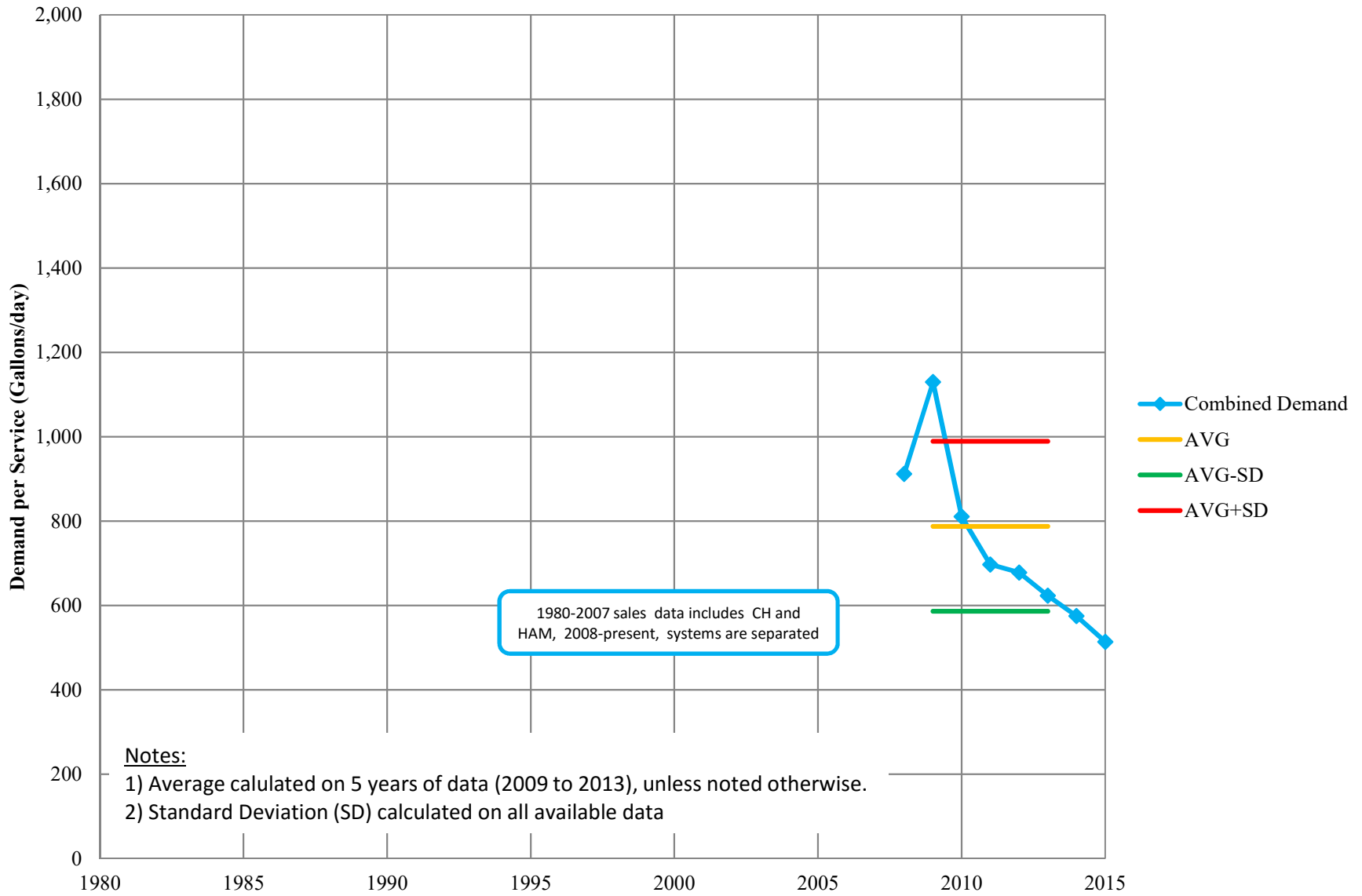
California Water Service Company - Chico System

Water Supply and Demand Analysis and Projections

Demand per Service (Gallons per Day)



Combined Demand per Service (Hamilton City System)

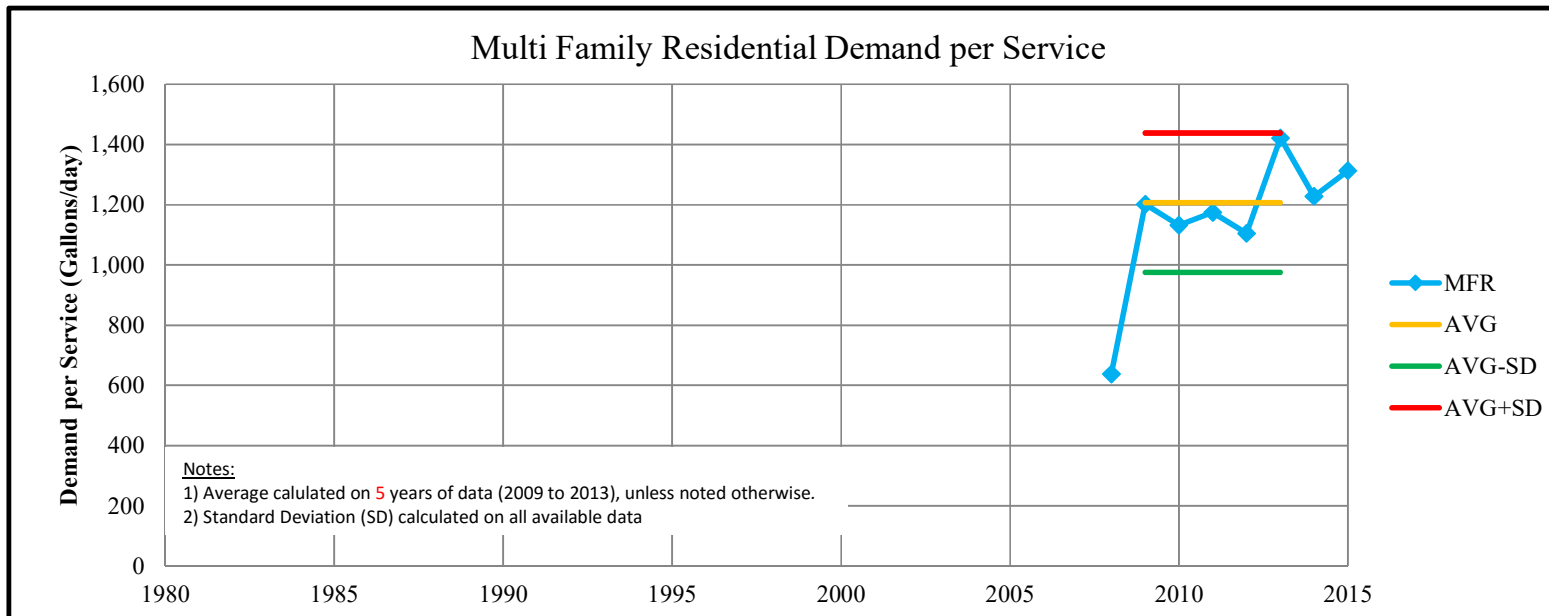
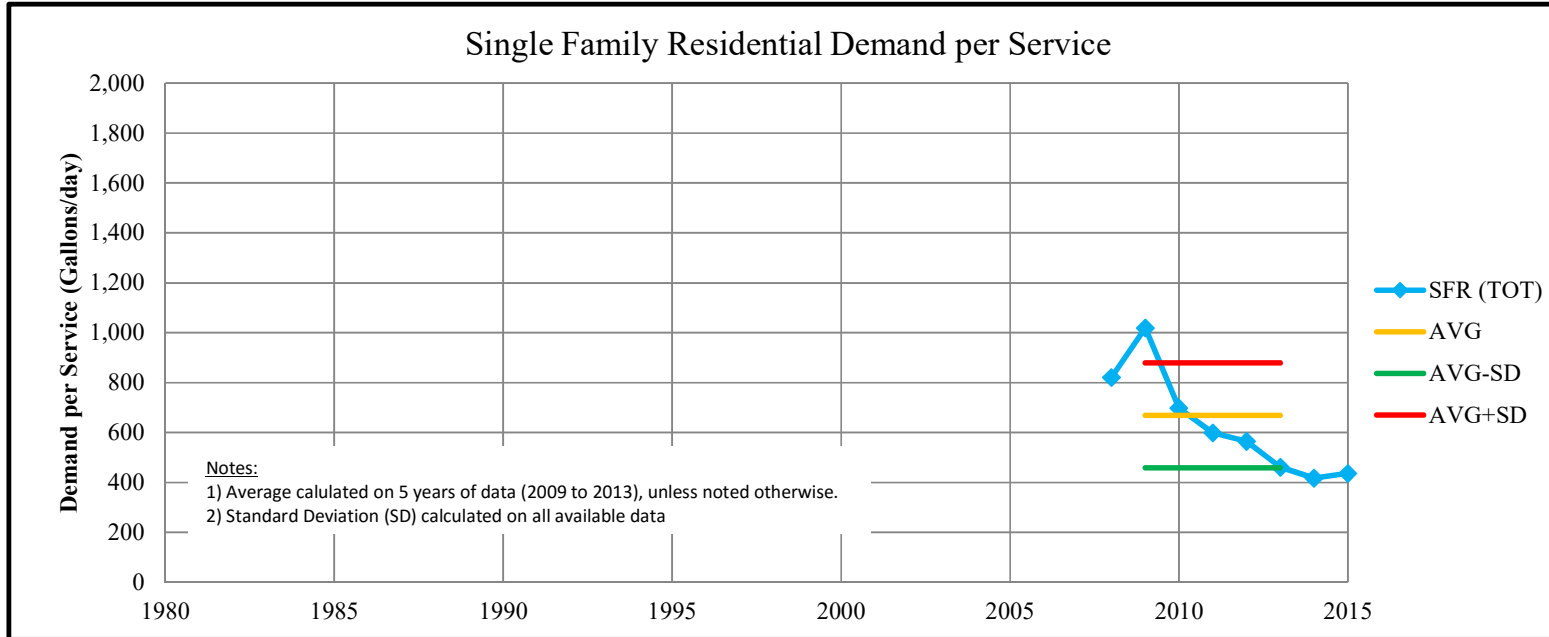


California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)

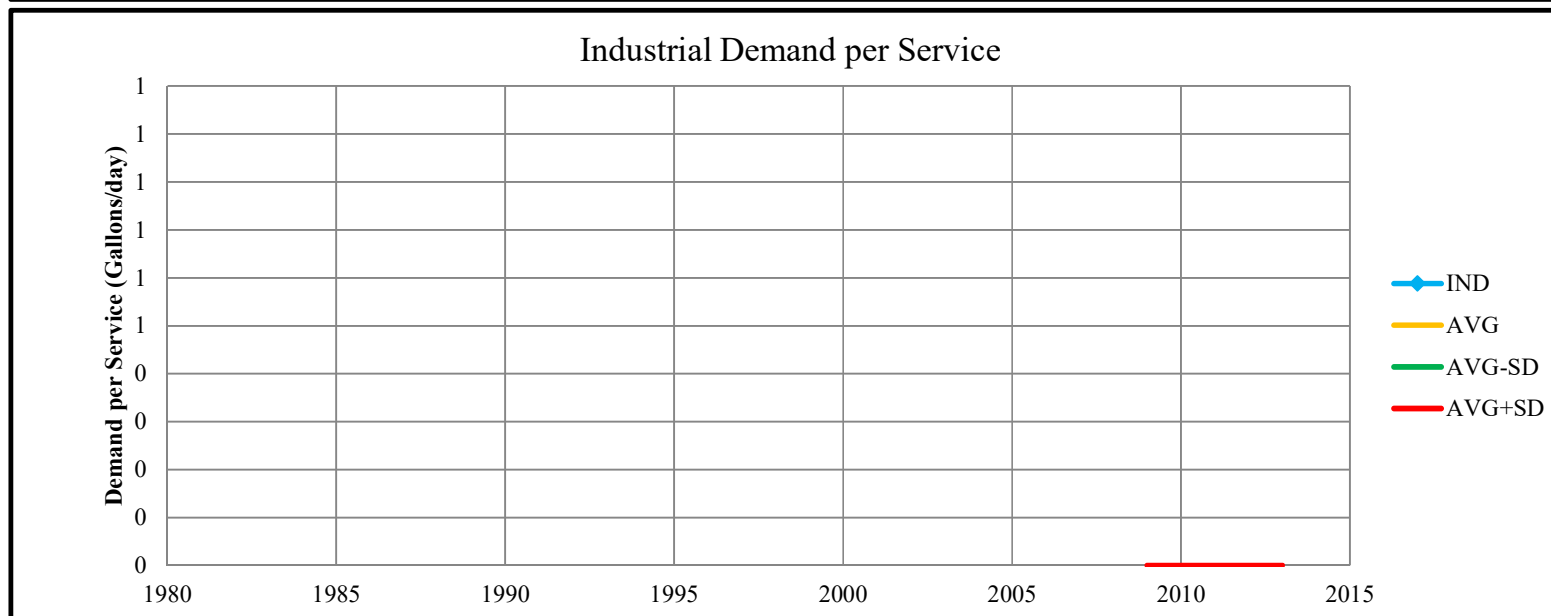
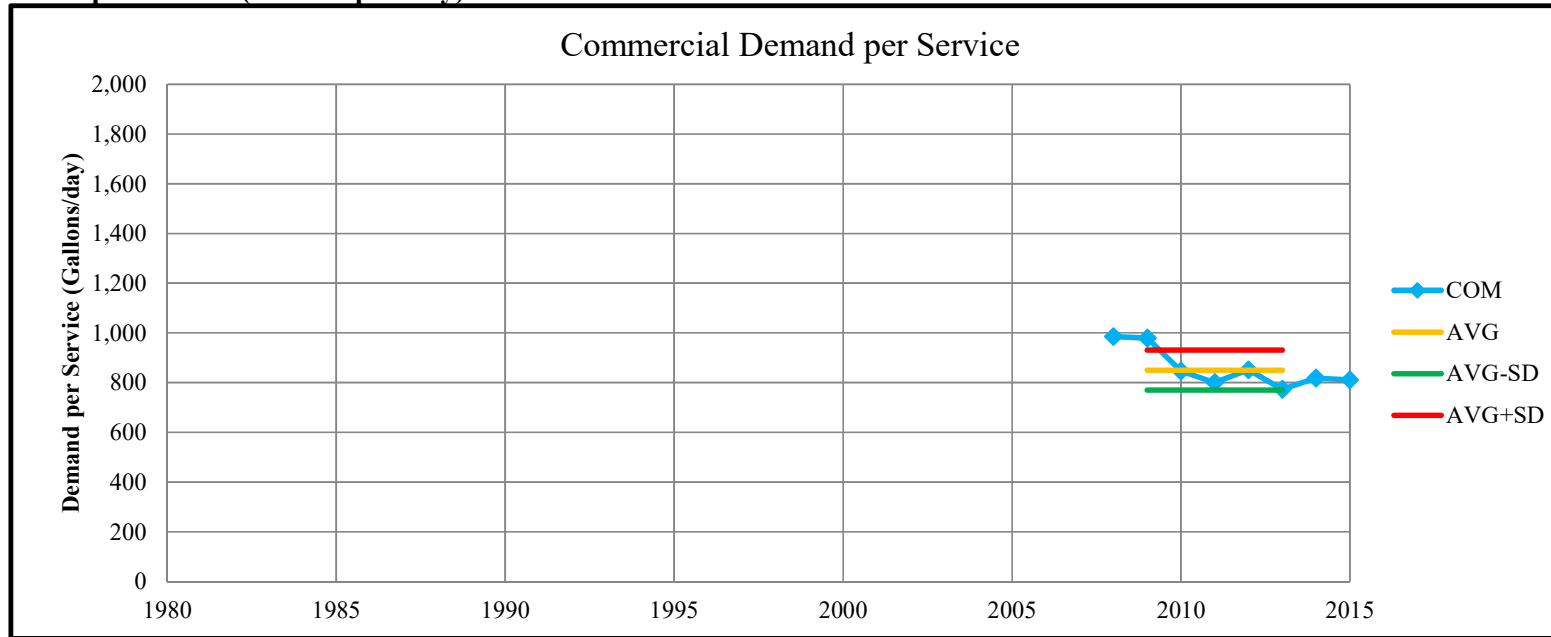
Year	SFR (MTR)	SFR (FLT)	SFR (TOT)	MFR	COM	IND	GOV	OTH	UAFW	Combined Demand/Serv
1980										
1981										
1982										
1983										
1984										
1985										
1986										
1987										
1988										
1989										
1990										
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2002										
2003										
2004										
2005										
2006										
2007										
2008	438	1,036	821	637	985		1,541		73	912
2009	429	1,364	1,019	1,201	979		2,652		90	1,130
2010	386	896	699	1,132	847		3,131		65	811
2011	432	845	600	1,174	801		2,341		56	697
2012	473	938	565	1,104	852		3,187		54	678
2013	462		462	1,421	773		3,513		84	623
2014	418		418	1,227	818		3,430		80	575
2015	436		436	1,313	811		3,203		1	514
5-yr AVG	444		669	1,207	850		2,965		70	788
SD	26		210	231	80		666		28	201

Note: 1980-2007 sales data includes CH and HAM, 2008-present, systems are separated

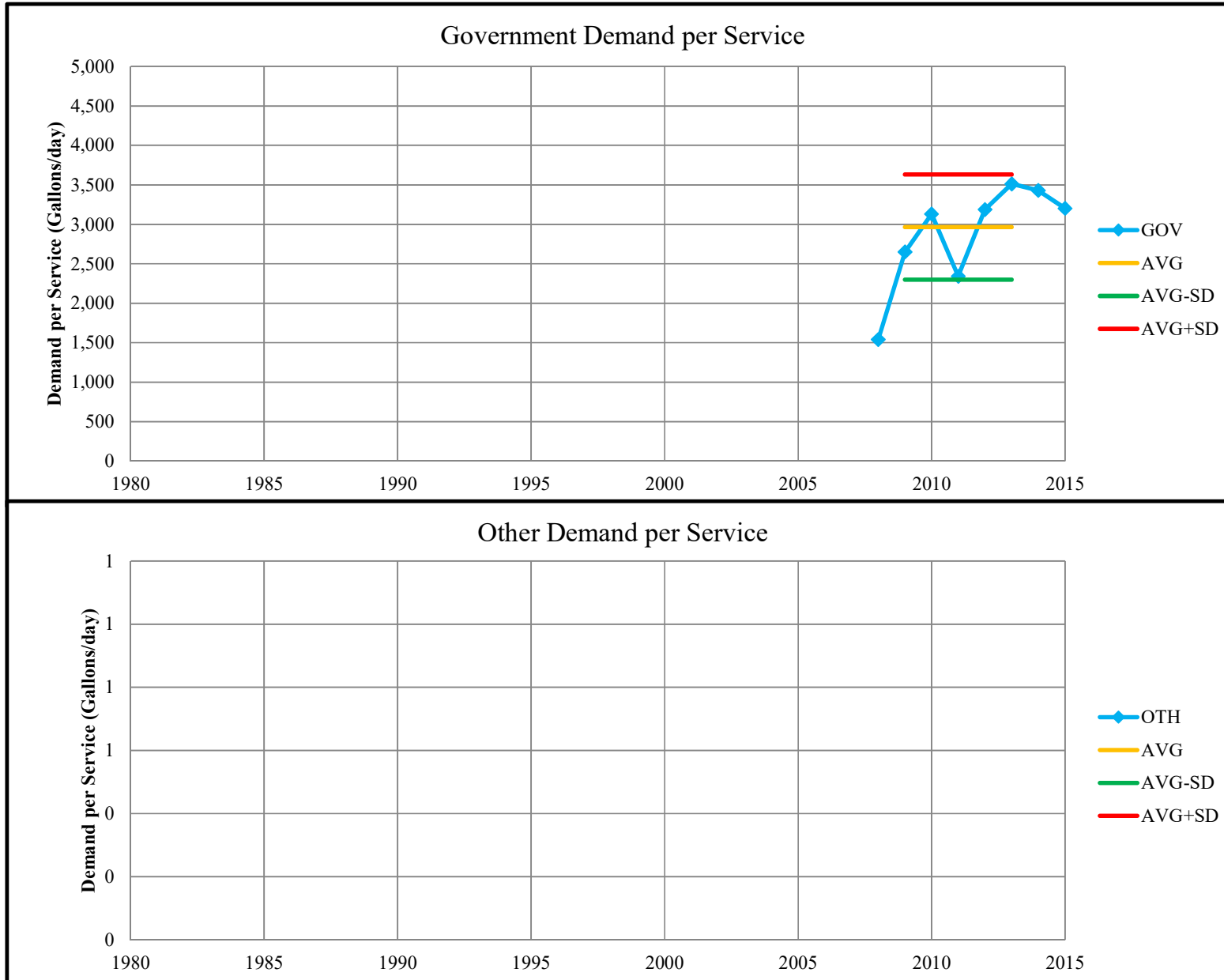
California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



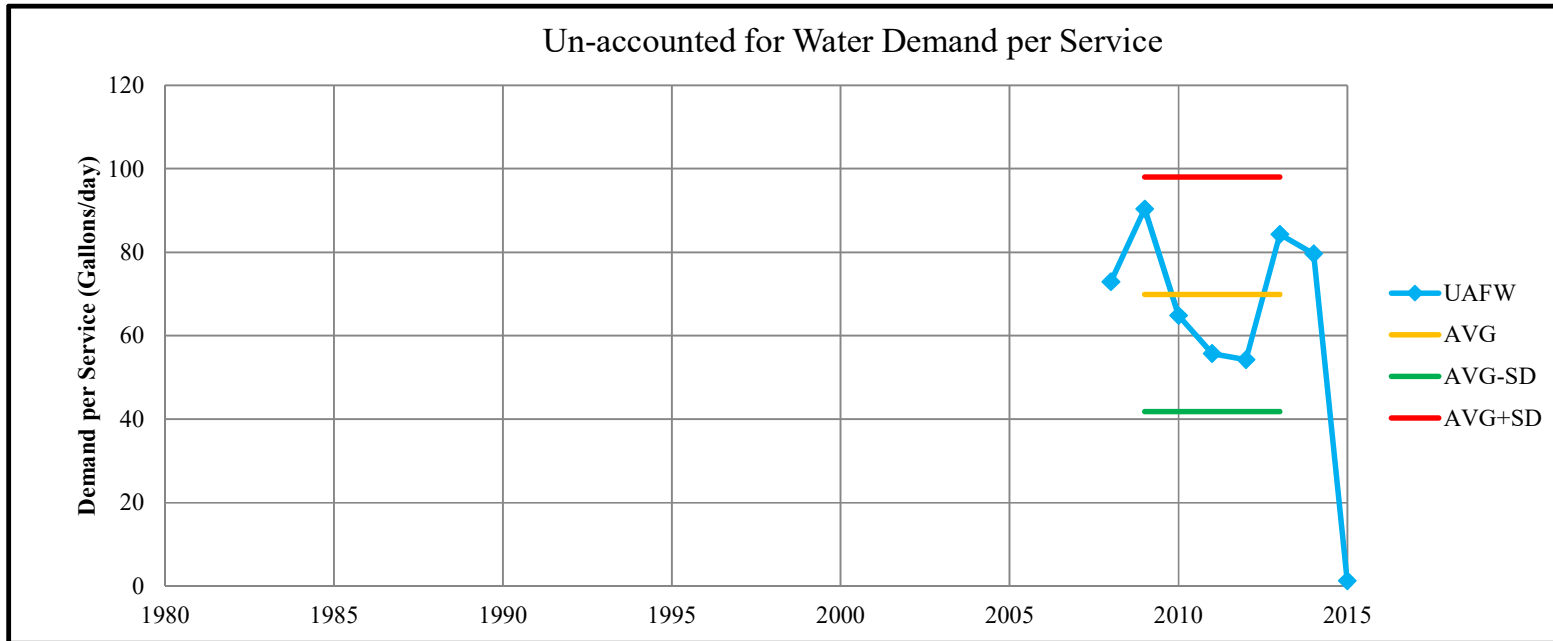
California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)



California Water Service Company - Hamilton City System

Water Supply and Demand Analysis and Projections

Demand per Service (Gallons per Day)



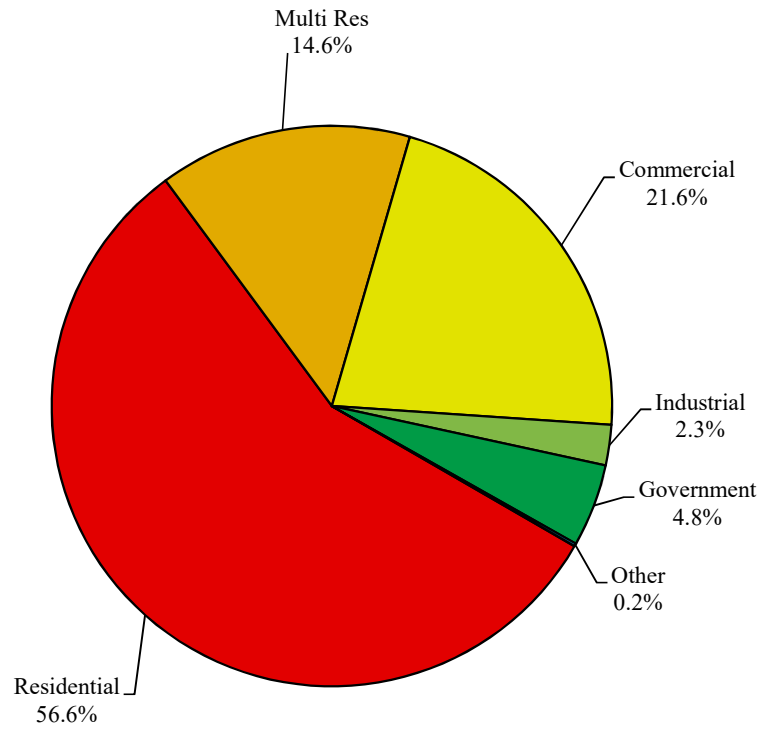
California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Percentage Change in Annual Demand

Worksheet 5

Year	Residential	Multi Res	Commercial	Industrial	Government	Other	Unaccounted	Total
1981	16.71%	12.52%	11.08%	23.48%	13.55%	23.92%	8.24%	8.24%
1982	-2.04%	-4.15%	-2.44%	-25.46%	-3.88%	14.65%	-8.56%	-8.56%
1983	8.64%	0.35%	7.82%	-0.16%	-4.80%	-4.73%	2.53%	2.53%
1984	28.32%	10.49%	10.31%	14.20%	27.94%	11.23%	14.87%	14.87%
1985	7.26%	14.21%	7.26%	-13.14%	9.76%	-35.43%	5.14%	5.14%
1986	2.32%	6.97%	4.01%	1.36%	1.88%	-31.84%	0.19%	0.19%
1987	12.45%	9.15%	7.13%	-9.97%	-1.91%	95.02%	10.61%	10.61%
1988	7.52%	3.54%	6.40%	16.07%	6.67%	-7.72%	1.80%	1.80%
1989	0.60%	-5.17%	-1.70%	0.79%	0.82%	68.16%	-6.04%	-6.04%
1990	17.77%	10.35%	9.37%	2.44%	-1.40%	-7.06%	11.59%	11.59%
1991	3.25%	2.38%	-2.64%	3.82%	-10.30%	12.77%	-4.45%	-4.45%
1992	16.01%	5.72%	4.23%	-0.58%	1.83%	-56.64%	4.10%	4.10%
1993	11.58%	-0.26%	-1.76%	11.53%	-3.50%	78.74%	-3.47%	-3.47%
1994	24.13%	1.47%	8.46%	26.97%	13.07%	-5.86%	9.84%	9.84%
1995	3.45%	-3.71%	0.44%	5.56%	-11.08%	-27.69%	-5.17%	-5.17%
1996	13.70%	4.53%	4.86%	18.61%	2.82%	-6.45%	5.06%	5.06%
1997	9.33%	1.78%	1.68%	15.29%	8.17%	14.94%	2.53%	2.53%
1998	-7.64%	-9.40%	-7.20%	10.64%	-17.24%	-59.10%	-11.73%	-11.73%
1999	26.05%	6.63%	9.06%	12.33%	16.11%	485.92%	14.55%	14.55%
2000	11.44%	1.14%	0.92%	12.04%	5.15%	-50.14%	3.93%	3.93%
2001	8.79%	5.86%	1.57%	4.03%	20.18%	36.59%	5.08%	5.08%
2002	9.83%	7.18%	-0.19%	-3.91%	-3.63%	26.31%	3.39%	3.39%
2003	0.72%	-4.98%	-1.95%	-0.23%	-8.83%	-50.08%	-3.67%	-3.67%
2004	16.58%	5.82%	5.18%	4.49%	1.49%	20.56%	10.34%	10.34%
2005	-4.89%	-6.75%	-2.52%	3.00%	-12.04%	93.71%	-4.88%	-4.88%
2006	7.78%	2.80%	3.07%	7.24%	6.38%	-26.80%	-0.31%	-0.31%
2007	10.13%	0.72%	0.82%	-1.64%	-7.72%	-40.02%	2.44%	2.44%
2008	1.30%	12.12%	-2.62%	-1.91%	20.68%	-9.12%	1.12%	1.12%
2009	-1.86%	2.67%	-13.20%	-3.49%	-1.01%	-50.32%	-4.98%	-4.98%
2010	1.08%	-5.88%	-7.09%	0.69%	-13.83%	99.93%	-9.70%	-9.70%
2011	7.84%	1.06%	-1.76%	0.35%	-4.09%	-40.01%	-2.80%	-2.80%
2012	25.68%	7.45%	9.33%	3.10%	18.41%	-14.88%	4.37%	4.37%
2013	16.74%	1.28%	0.40%	12.31%	0.84%	98.22%	1.81%	1.81%
2014	-1.02%	-7.88%	-7.93%	-11.22%	-9.19%	20.42%	-14.22%	-14.22%
2015	-22.41%	-15.39%	-19.91%	-8.54%	-22.46%	-31.22%	-39.47%	-21.12%

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Percent of Total Sales by Type of Use (2015)

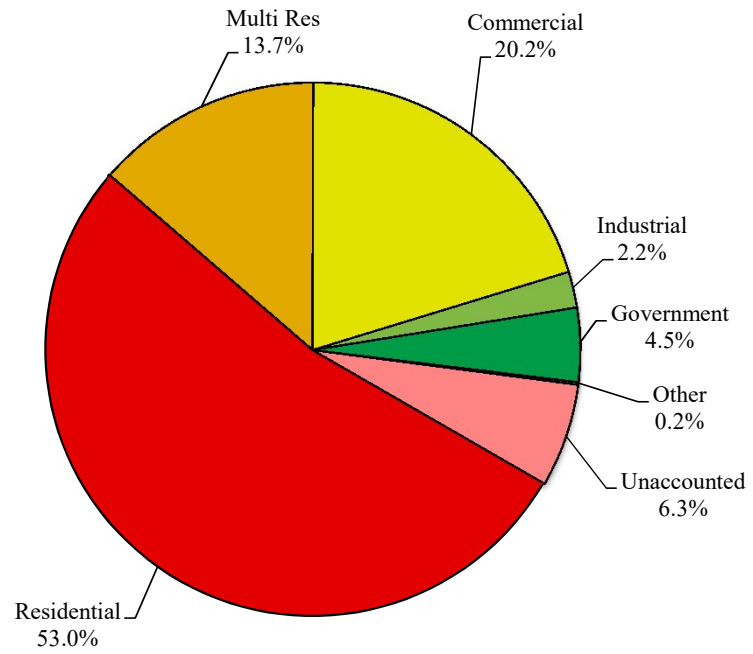


California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Percentage of Total Sales

Worksheet 6

Year	Residential	Multi Res	Commercial	Industrial	Government	Other	Percent Total
1980	68.53%	8.41%	17.49%	0.87%	4.50%	0.19%	100.00%
1981	67.37%	8.74%	17.95%	0.99%	4.72%	0.22%	100.00%
1982	65.64%	9.17%	19.15%	0.81%	4.97%	0.27%	100.00%
1983	65.24%	8.97%	20.14%	0.79%	4.61%	0.25%	100.00%
1984	65.87%	8.63%	19.34%	0.78%	5.14%	0.25%	100.00%
1985	64.74%	9.37%	19.72%	0.65%	5.36%	0.15%	100.00%
1986	63.31%	10.01%	20.48%	0.66%	5.45%	0.10%	100.00%
1987	64.74%	9.88%	19.83%	0.53%	4.83%	0.18%	100.00%
1988	63.39%	10.04%	20.73%	0.61%	5.07%	0.16%	100.00%
1989	61.80%	10.14%	21.68%	0.65%	5.44%	0.29%	100.00%
1990	63.08%	10.02%	21.25%	0.60%	4.80%	0.24%	100.00%
1991	62.16%	10.74%	21.66%	0.65%	4.51%	0.29%	100.00%
1992	62.26%	10.91%	21.68%	0.62%	4.41%	0.12%	100.00%
1993	61.31%	11.27%	22.07%	0.72%	4.41%	0.22%	100.00%
1994	62.24%	10.41%	21.79%	0.83%	4.54%	0.19%	100.00%
1995	61.02%	10.57%	23.08%	0.92%	4.26%	0.15%	100.00%
1996	61.11%	10.52%	23.04%	1.04%	4.17%	0.13%	100.00%
1997	61.00%	10.44%	22.84%	1.17%	4.39%	0.15%	100.00%
1998	59.60%	10.72%	24.02%	1.47%	4.12%	0.07%	100.00%
1999	61.19%	9.98%	22.87%	1.44%	4.18%	0.34%	100.00%
2000	62.14%	9.71%	22.20%	1.56%	4.22%	0.17%	100.00%
2001	62.17%	9.78%	21.46%	1.54%	4.83%	0.21%	100.00%
2002	62.94%	10.14%	20.72%	1.43%	4.50%	0.26%	100.00%
2003	63.03%	10.00%	21.09%	1.48%	4.26%	0.14%	100.00%
2004	64.83%	9.59%	20.10%	1.40%	3.92%	0.15%	100.00%
2005	64.55%	9.40%	20.60%	1.52%	3.63%	0.30%	100.00%
2006	63.28%	9.70%	21.30%	1.63%	3.87%	0.22%	100.00%
2007	64.32%	9.53%	20.96%	1.57%	3.48%	0.13%	100.00%
2008	63.45%	10.57%	20.18%	1.52%	4.16%	0.12%	100.00%
2009	64.20%	11.42%	18.44%	1.55%	4.33%	0.06%	100.00%
2010	63.12%	11.91%	18.97%	1.72%	4.14%	0.14%	100.00%
2011	62.50%	12.38%	19.18%	1.78%	4.08%	0.08%	100.00%
2012	60.71%	12.74%	20.09%	1.76%	4.63%	0.07%	100.00%
2013	60.86%	12.68%	19.81%	1.94%	4.58%	0.13%	100.00%
2014	58.08%	13.61%	21.26%	2.01%	4.85%	0.19%	100.00%
2015	56.55%	14.60%	21.59%	2.33%	4.77%	0.16%	100.00%

Percent of Total Demand by Type of Use (2015)

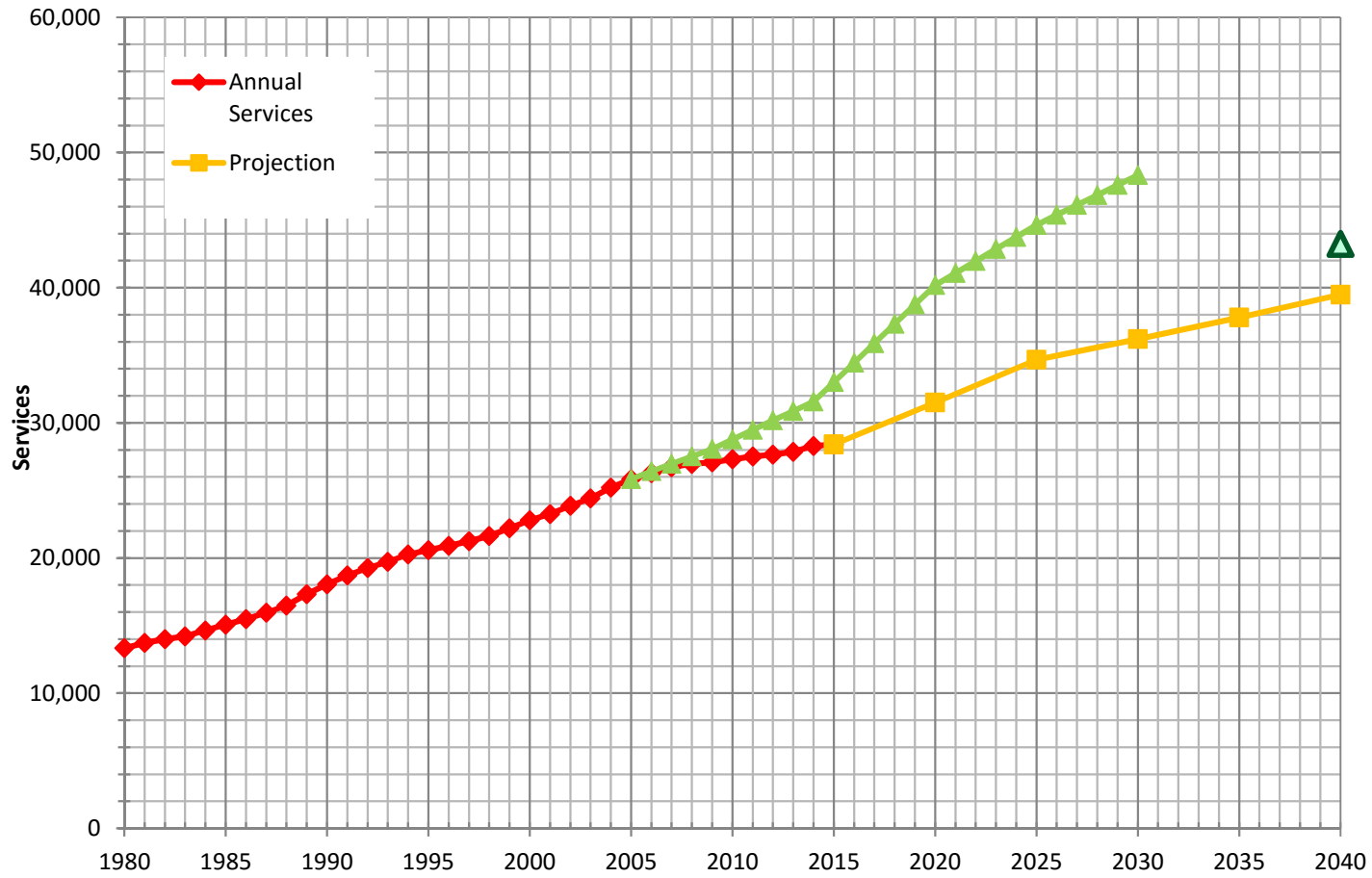


California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Percentage of Total Demand

Worksheet 7

Year	Residential	Multi Res	Commercial	Industrial	Government	Other	Unaccounted	Percent Total
1980	63.05%	7.74%	16.09%	0.80%	4.14%	0.18%	8.00%	100.00%
1981	61.98%	8.05%	16.51%	0.92%	4.35%	0.20%	8.00%	100.00%
1982	60.39%	8.43%	17.62%	0.75%	4.57%	0.25%	8.00%	100.00%
1983	60.02%	8.25%	18.53%	0.73%	4.24%	0.23%	8.00%	100.00%
1984	60.60%	7.94%	17.79%	0.72%	4.72%	0.23%	8.00%	100.00%
1985	59.56%	8.62%	18.15%	0.60%	4.93%	0.14%	8.00%	100.00%
1986	58.24%	9.21%	18.84%	0.60%	5.01%	0.09%	8.00%	100.00%
1987	59.56%	9.09%	18.25%	0.49%	4.45%	0.17%	8.00%	100.00%
1988	58.32%	9.24%	19.07%	0.56%	4.66%	0.15%	8.00%	100.00%
1989	56.85%	9.33%	19.95%	0.60%	5.00%	0.27%	8.00%	100.00%
1990	58.03%	9.22%	19.55%	0.55%	4.42%	0.23%	8.00%	100.00%
1991	57.18%	9.88%	19.92%	0.60%	4.15%	0.27%	8.00%	100.00%
1992	57.28%	10.04%	19.95%	0.57%	4.06%	0.11%	8.00%	100.00%
1993	56.41%	10.37%	20.30%	0.66%	4.06%	0.20%	8.00%	100.00%
1994	57.26%	9.58%	20.05%	0.76%	4.18%	0.18%	8.00%	100.00%
1995	56.14%	9.73%	21.23%	0.85%	3.92%	0.13%	8.00%	100.00%
1996	56.22%	9.68%	21.19%	0.96%	3.83%	0.12%	8.00%	100.00%
1997	56.12%	9.61%	21.02%	1.08%	4.04%	0.13%	8.00%	100.00%
1998	54.84%	9.86%	22.10%	1.35%	3.79%	0.06%	8.00%	100.00%
1999	56.30%	9.18%	21.04%	1.33%	3.84%	0.32%	8.00%	100.00%
2000	57.17%	8.93%	20.43%	1.43%	3.89%	0.15%	8.00%	100.00%
2001	57.20%	9.00%	19.74%	1.42%	4.45%	0.20%	8.00%	100.00%
2002	57.91%	9.33%	19.06%	1.32%	4.14%	0.24%	8.00%	100.00%
2003	57.99%	9.20%	19.40%	1.36%	3.92%	0.13%	8.00%	100.00%
2004	59.65%	8.83%	18.49%	1.29%	3.61%	0.14%	8.00%	100.00%
2005	59.39%	8.65%	18.95%	1.40%	3.34%	0.28%	8.00%	100.00%
2006	58.22%	8.92%	19.59%	1.50%	3.56%	0.20%	8.00%	100.00%
2007	59.17%	8.77%	19.28%	1.44%	3.21%	0.12%	8.00%	100.00%
2008	58.37%	9.73%	18.57%	1.40%	3.83%	0.11%	8.00%	100.00%
2009	59.06%	10.51%	16.96%	1.42%	3.99%	0.06%	8.00%	100.00%
2010	58.07%	10.95%	17.46%	1.59%	3.80%	0.12%	8.00%	100.00%
2011	57.50%	11.39%	17.64%	1.64%	3.75%	0.08%	8.00%	100.00%
2012	55.86%	11.72%	18.48%	1.62%	4.26%	0.06%	8.00%	100.00%
2013	55.99%	11.66%	18.23%	1.78%	4.22%	0.12%	8.00%	100.00%
2014	53.43%	12.52%	19.56%	1.85%	4.47%	0.17%	8.00%	100.00%
2015	53.01%	13.69%	20.24%	2.18%	4.47%	0.15%	6.26%	100.00%

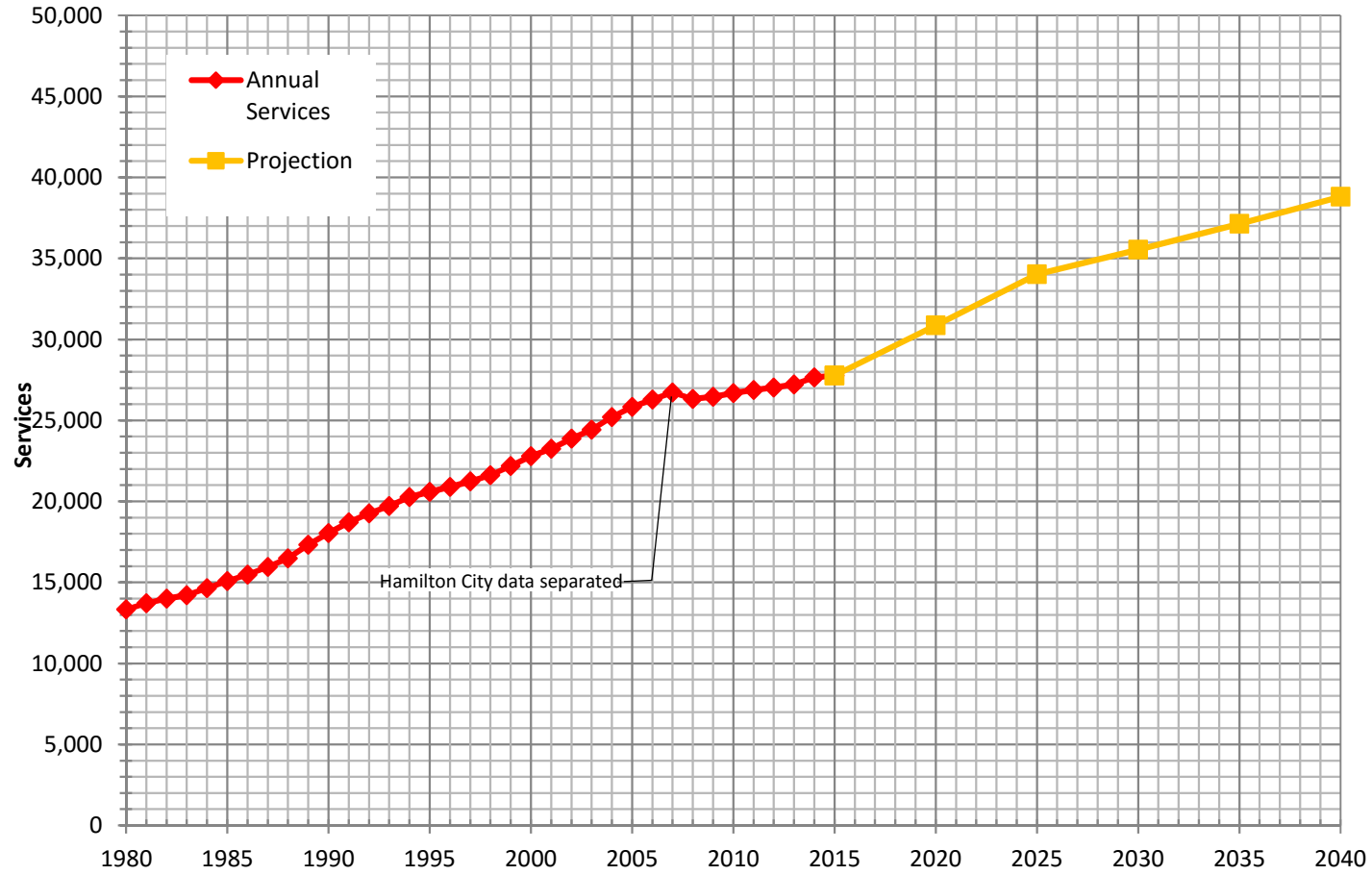
Historical & Projected Services



California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections

Customer Category	Selected Trend		Growth Rate	Actual Services				Projected Services						Total Increase from Base Year
				2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040	
SFR			1.40%	19,034	21,761	22,976	23,996	23,996	26,895	29,850	31,155	32,525	33,962	9,966
MFR			1.43%	419	426	827	948	948	1,018	1,093	1,173	1,260	1,352	405
COM			0.84%	2,974	3,221	2,998	2,976	2,976	3,102	3,234	3,371	3,515	3,664	688
IND			0.00%	37	35	23	26	26	26	26	26	26	26	0
GOV			0.17%	294	342	459	433	433	436	440	444	448	451	19
OTH			0.00%	33	50	23	27	27	27	27	27	27	27	0
TOTAL	Average growth rate 2011-2040		1.33%	22,791	25,835	27,306	28,406	28,406	31,504	34,670	36,196	37,799	39,484	11,078

Historical & Projected Services (Chico System)



**California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections**

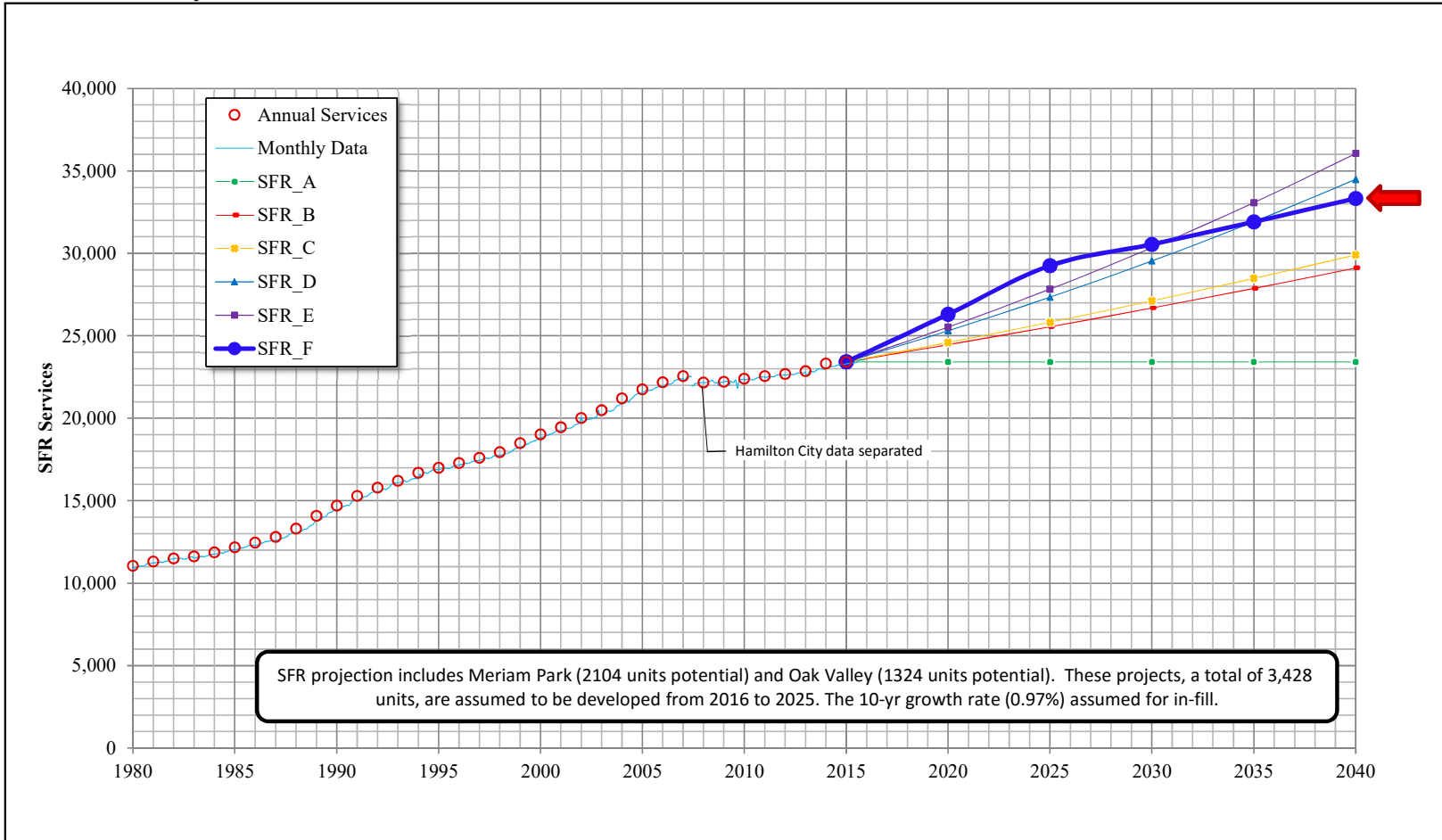
Customer Category	Selected Trend		Growth Rate	Actual Services				Projected Services						Total Increase from Base Year
				2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040	
SFR				19,034	21,761	22,409	23,420	23,420	26,309	29,254	30,549	31,908	33,336	9,916
MFR				419	426	824	945	945	1,015	1,090	1,170	1,257	1,349	405
COM				2,974	3,221	2,956	2,936	2,936	3,062	3,194	3,331	3,475	3,624	688
IND				37	35	23	26	26	26	26	26	26	26	0
GOV				294	342	450	422	422	425	429	433	437	440	19
OTH				33	50	23	27	27	27	27	27	27	27	0
TOTAL	Average growth rate 2011-2040		1.35%	22,791	25,835	26,685	27,775	27,775	30,864	34,020	35,536	37,130	38,803	11,028

1.52% 1.52% 1.38% 1.26% 1.22% 1.18% 1.14%

California Water Service Company - Chico System

Water Supply and Demand Analysis and Projections

SFR Historical & Projected Services

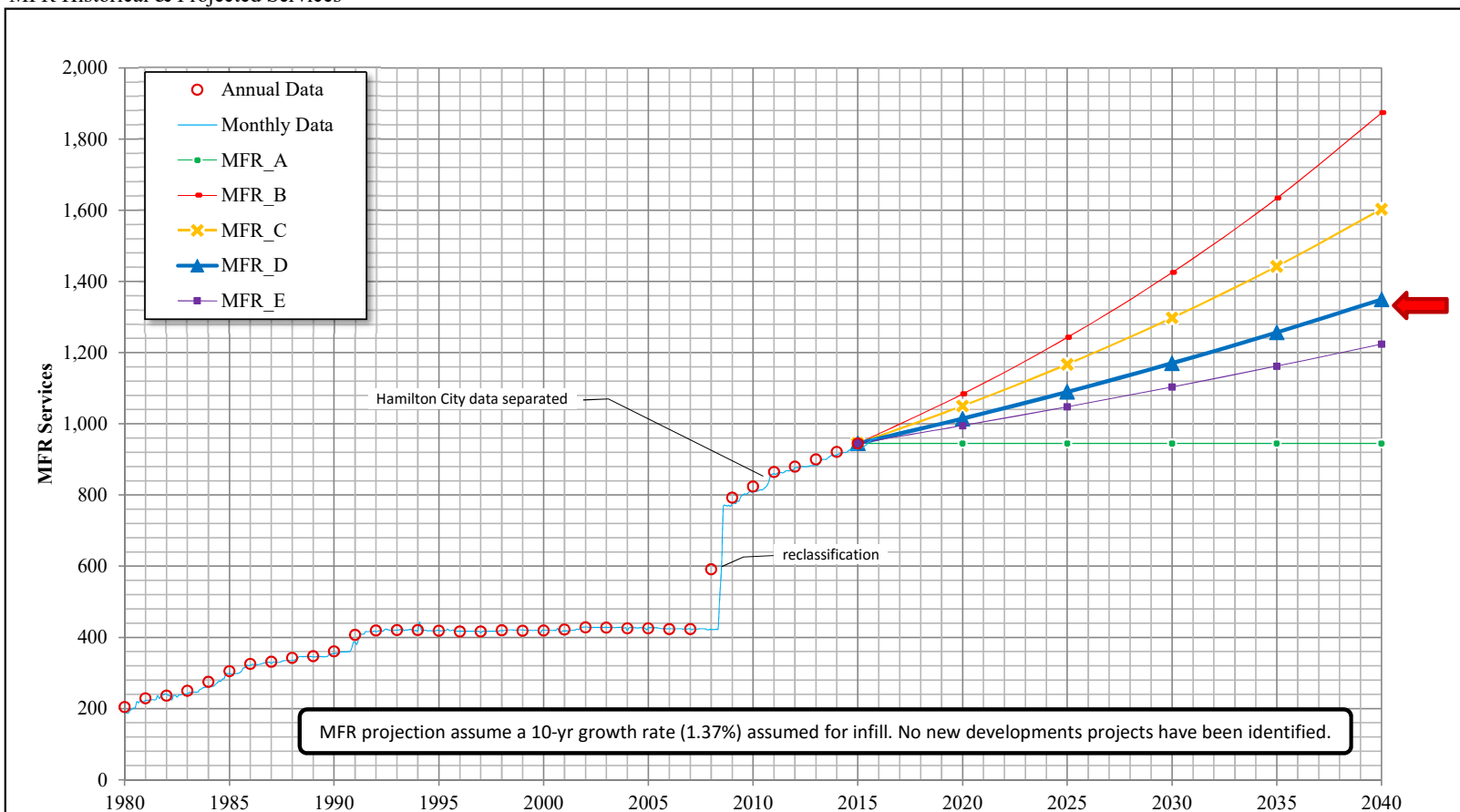


Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
SFR			19,034	21,761	22,409	23,420	23,420	23,420	23,420	23,420	23,420	23,420
	SFR_A	Zero Growth Rate	0.00%				23,420	23,420	23,420	23,420	23,420	23,420
	SFR_B	5 Yr. Avg.	0.87%				23,420	23,420	24,461	25,549	26,685	27,872
	SFR_C	10 Yr. Avg.	0.98%				23,420	23,420	24,594	25,826	27,121	28,480
	SFR_D	15 Yr. Avg.	1.56%				23,420	23,420	25,304	27,341	29,541	31,918
	SFR_E	20 Yr. Avg.	1.74%				23,420	23,420	25,531	27,832	30,340	33,075
	> SFR_F	10 Yr. Avg. + New Devl	1.42%				23,420	23,420	26,309	29,254	30,549	31,908

California Water Service Company - Chico System

Water Supply and Demand Analysis and Projections

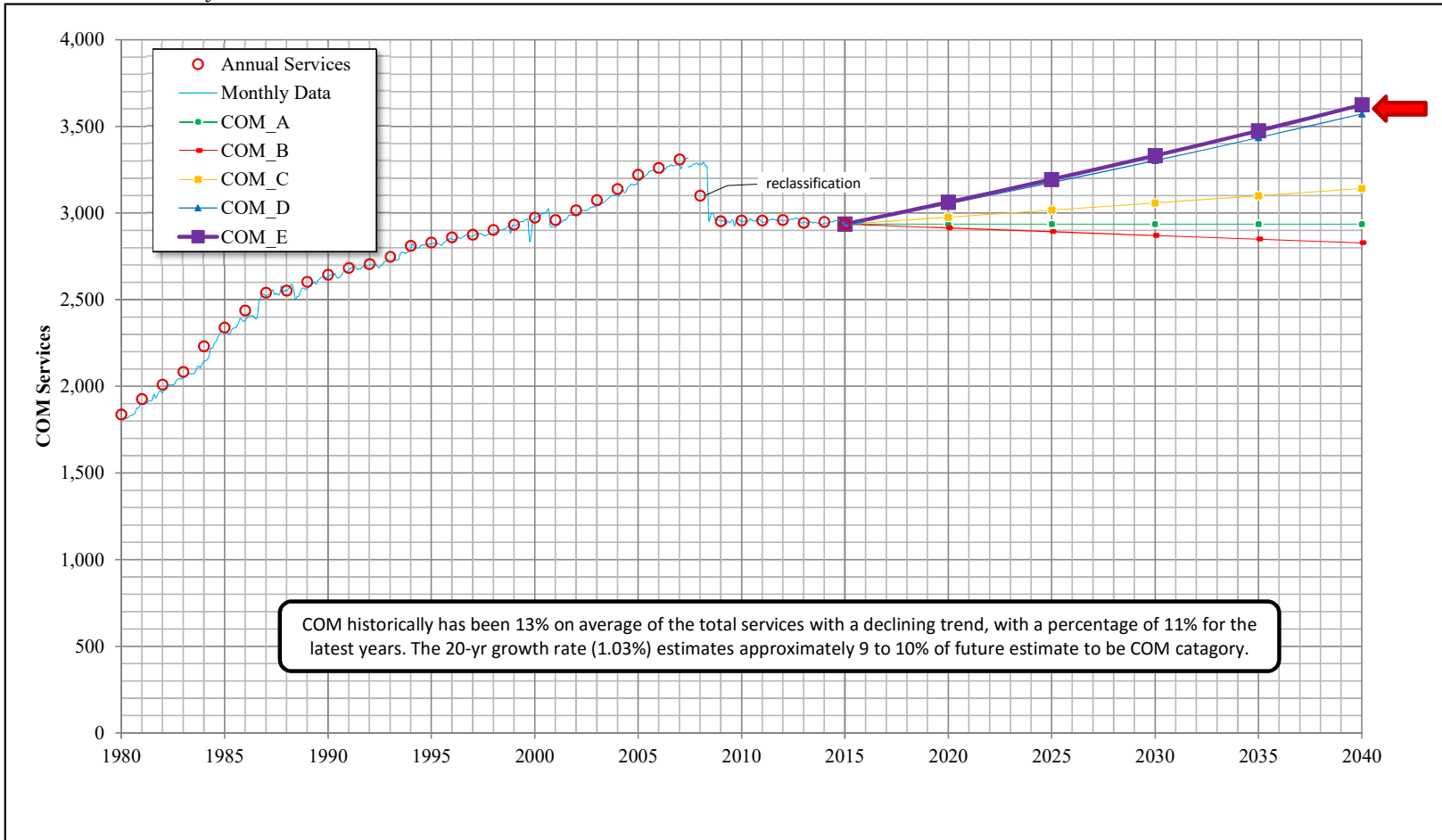
MFR Historical & Projected Services



Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
MFR	MFR_A	Zero Growth Rate	419	426	824	945	945	945	945	945	945	945
	MFR_B	5 Yr. Avg.				945	945	1,083	1,242	1,425	1,634	1,873
	MFR_C	10 Yr. Avg.				945	945	1,050	1,167	1,298	1,442	1,603
	MFR_D	15 Yr. Avg.				945	945	1,015	1,090	1,170	1,257	1,349
	MFR_E	20 Yr. Avg.				945	945	995	1,048	1,104	1,162	1,224

California Water Service Company - Chico System Water Supply and Demand Analysis and Projections

COM Historical & Projected Services

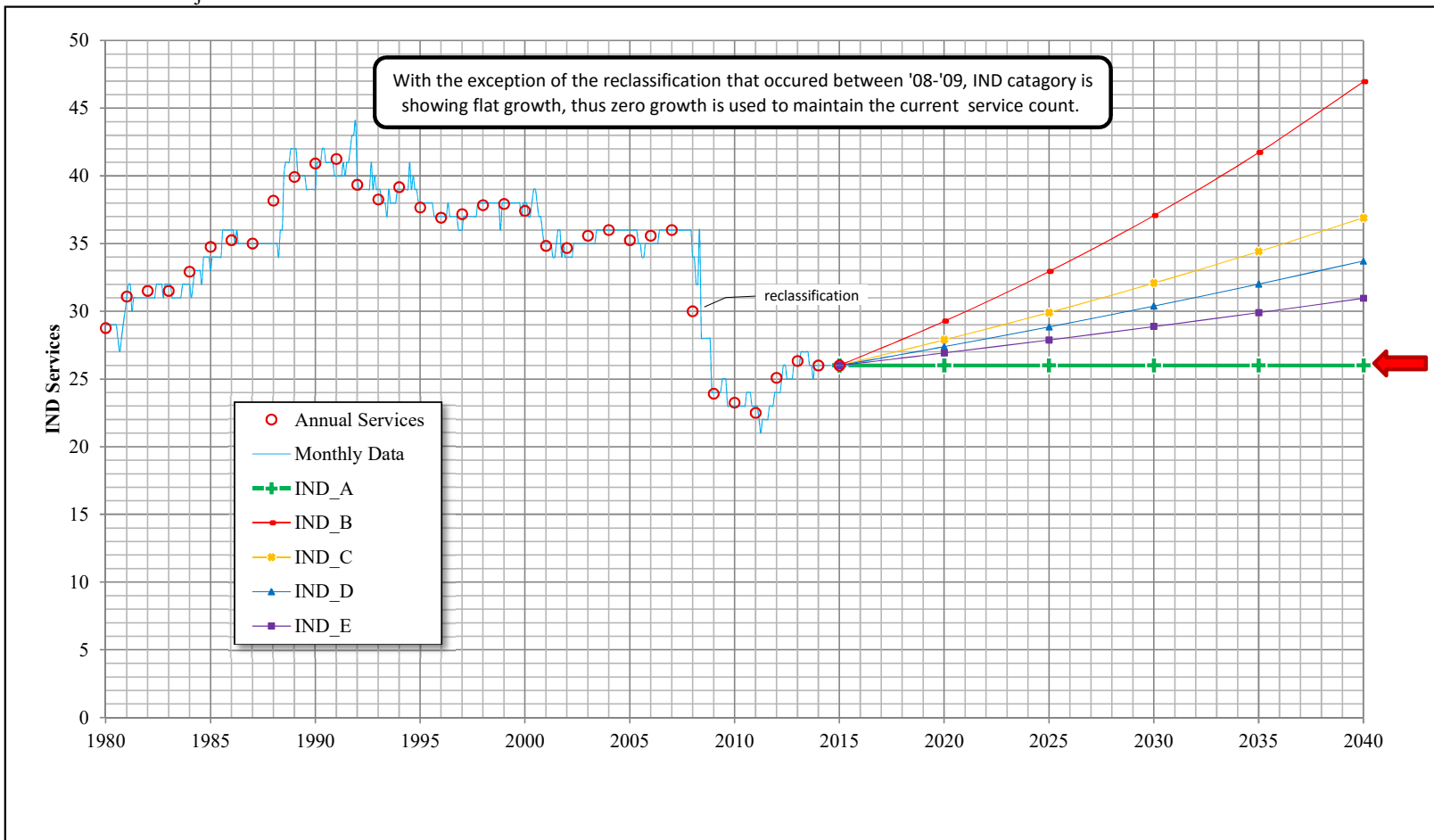


Customer Category	Trend	Growth Rate	Actual				Projected							
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040		
COM			2,974	3,221	2,956	2,936								
	COM_A	Zero Growth Rate	0.00%			2,936	2,936	2,936	2,936	2,936	2,936	2,936	2,936	2,936
	COM_B	5 Yr. Avg.	-0.15%			2,936	2,936	2,914	2,892	2,936	2,870	2,936	2,849	2,828
	COM_C	10 Yr. Avg.	0.27%			2,936	2,936	2,976	3,016	2,936	3,058	3,016	3,099	3,142
	COM_D	15 Yr. Avg.	0.79%			2,936	2,936	3,053	3,175	2,936	3,303	3,016	3,435	3,572
	> COM_E	20 Yr. Avg.	0.85%			2,936	2,936	3,062	3,194	2,936	3,331	3,016	3,475	3,624

California Water Service Company - Chico System

Water Supply and Demand Analysis and Projections

IND Historical & Projected Services

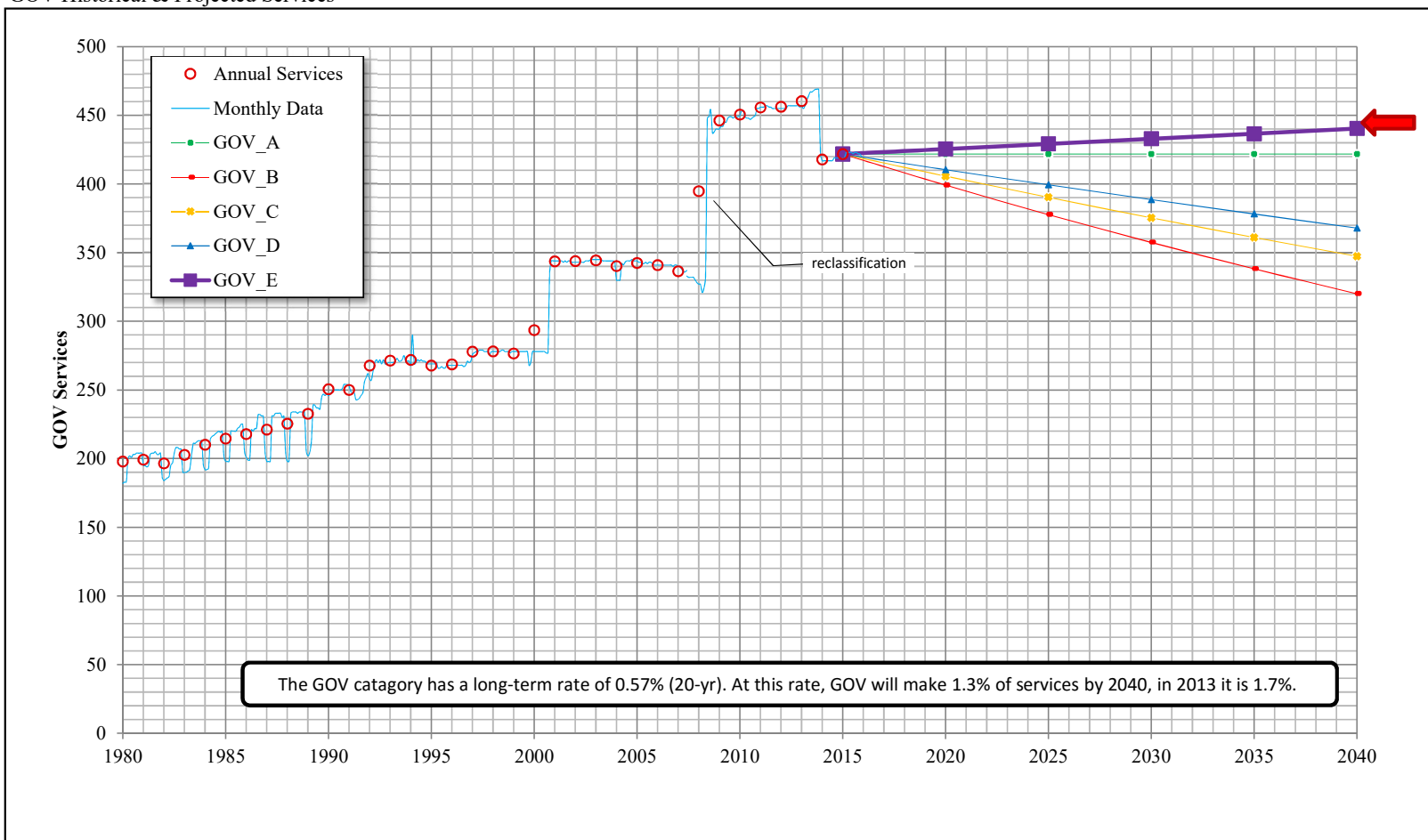


Customer Category	Trend	Growth Rate	Actual				Projected							
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040		
IND			37	35	23	26								
> IND_A	Zero Growth Rate	0.00%				26	26	26	26	26	26	26	26	26
IND_B	5 Yr. Avg.	2.39%				26	26	29	33	37	42	47		
IND_C	10 Yr. Avg.	1.41%				26	26	28	30	32	34	37		
IND_D	15 Yr. Avg.	1.05%				26	26	27	29	30	32	34		
IND_E	20 Yr. Avg.	0.70%				26	26	27	28	29	30	31		

California Water Service Company - Chico System

Water Supply and Demand Analysis and Projections

GOV Historical & Projected Services



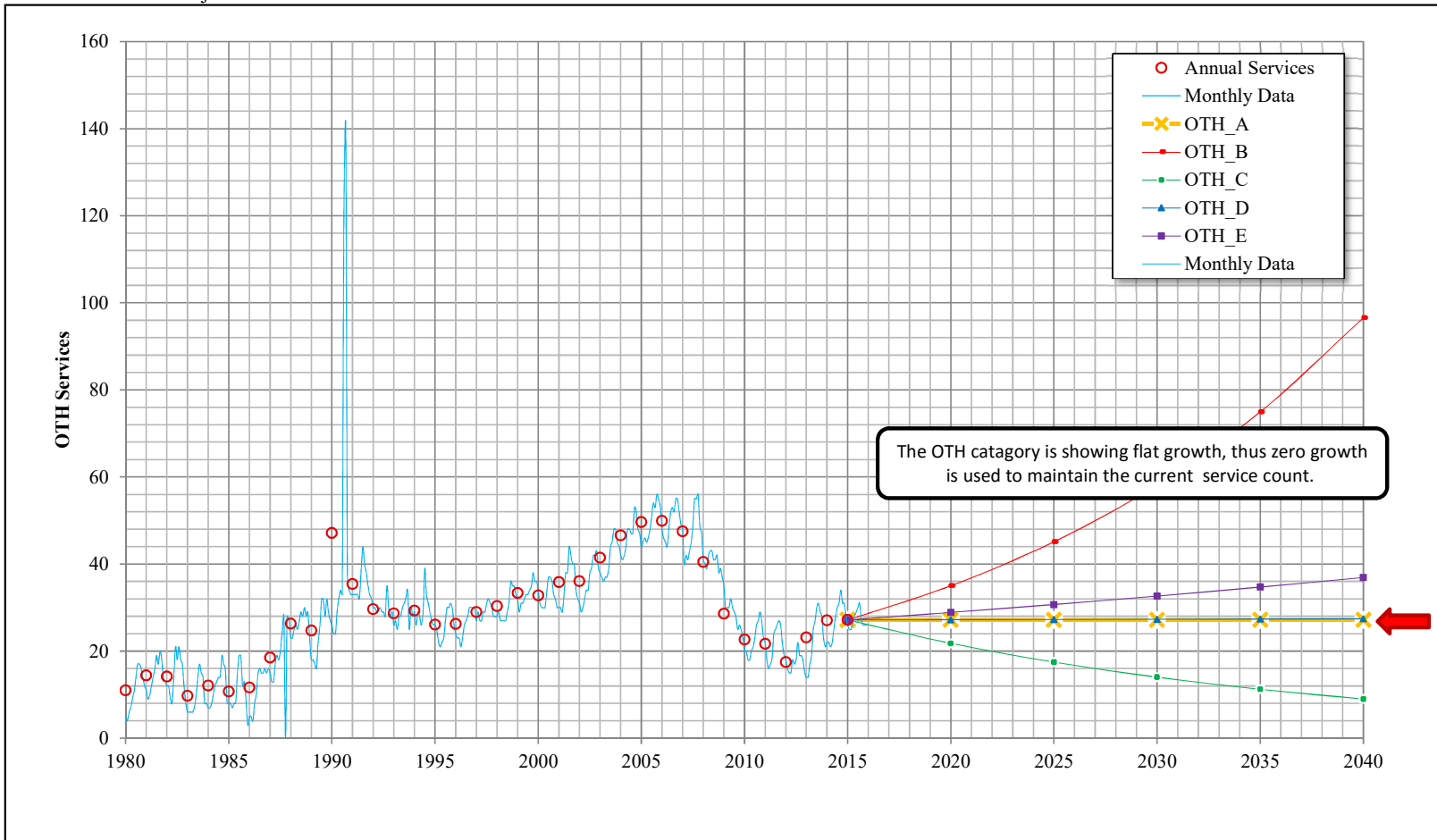
The GOV category has a long-term rate of 0.57% (20-yr). At this rate, GOV will make 1.3% of services by 2040, in 2013 it is 1.7%.

Customer Category	Trend	Growth Rate	Actual			Base Year 2015	Projected							
			2000	2005	2010		Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040		
GOV			294	342	450	422								
	GOV_A	Zero Growth Rate				422	422	422	422	422	422	422	422	422
	GOV_B	5 Yr. Avg.				422	422	399	378	357	338	320		
	GOV_C	10 Yr. Avg.				422	422	406	390	375	361	347		
	GOV_D	15 Yr. Avg.				422	422	410	399	389	378	368		
	> GOV_E	20 Yr. Avg.				422	422	425	429	433	437	440		

California Water Service Company - Chico System

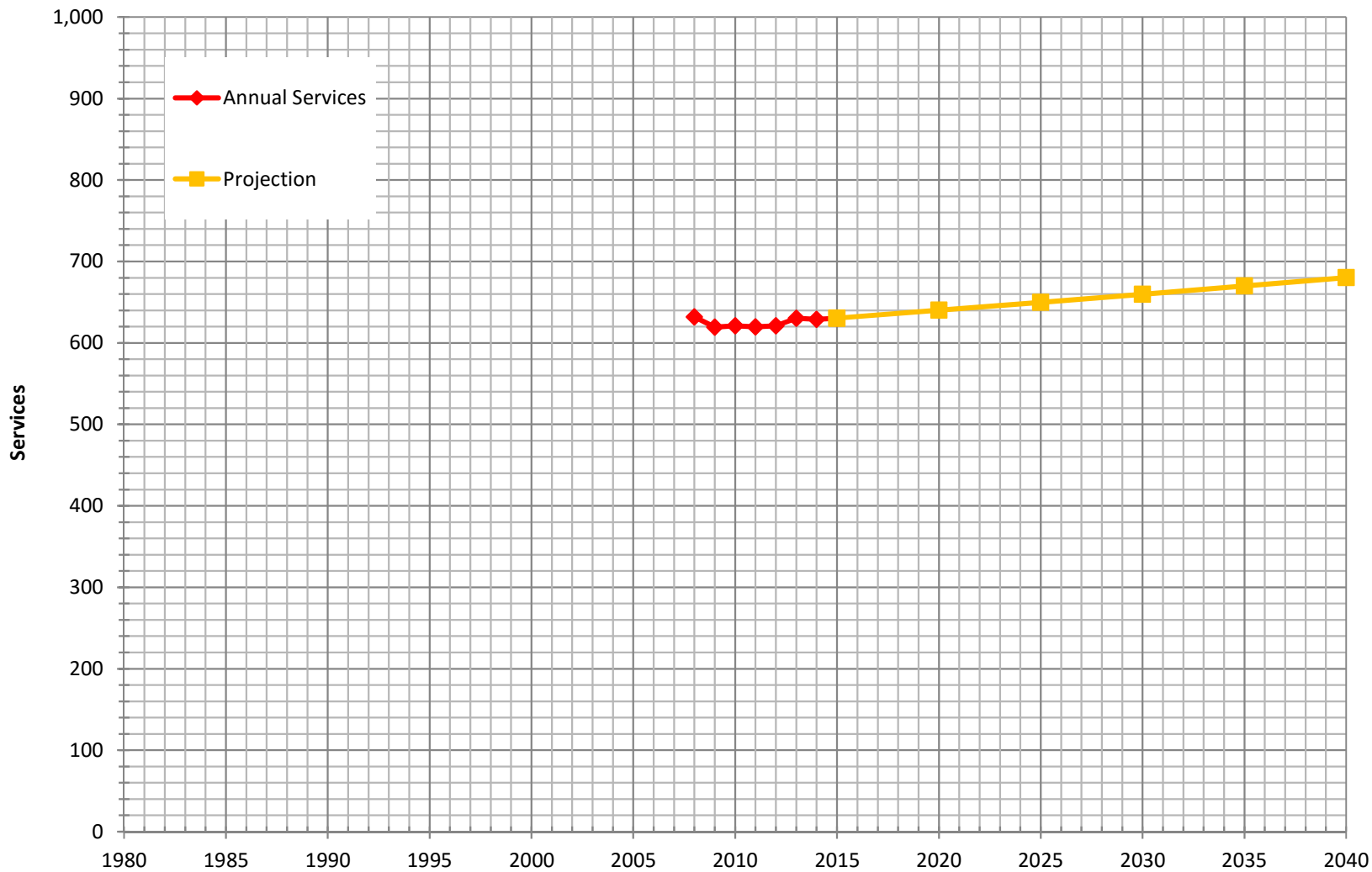
Water Supply and Demand Analysis and Projections

OTH Historical & Projected Services



Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
OTH			33	50	23	27	27	27	27	27	27	27
> OTH_A	Zero Growth Rate	0.00%				27	27	27	27	27	27	27
OTH_B	5 Yr. Avg.	5.20%				27	27	35	45	58	75	97
OTH_C	10 Yr. Avg.	-4.32%				27	27	22	17	14	11	9
OTH_D	15 Yr. Avg.	0.04%				27	27	27	27	27	27	27
OTH_E	20 Yr. Avg.	1.23%				27	27	29	31	33	35	37

Historical & Projected Services (Hamilton City System)



**California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections**

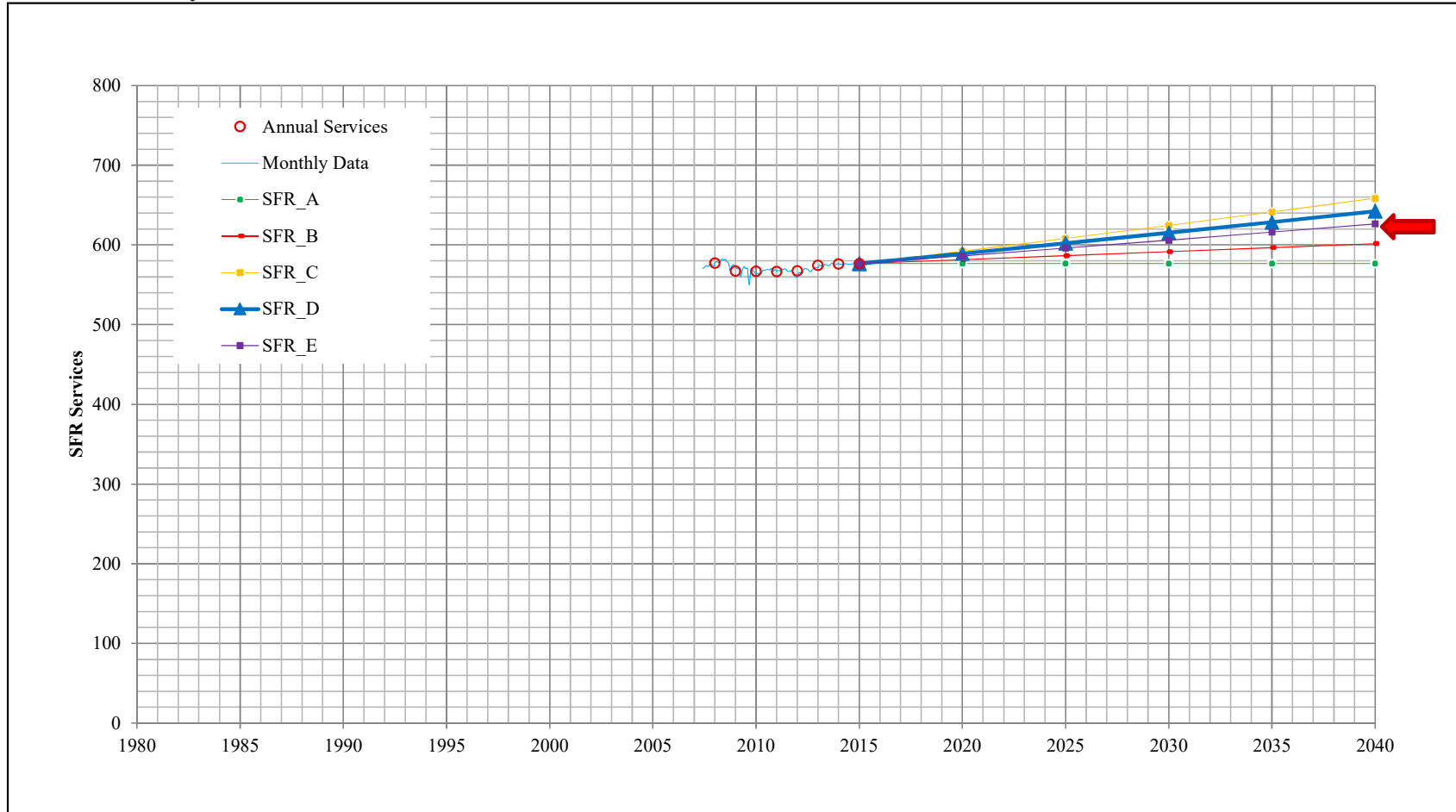
Customer Category	Selected Trend		Growth Rate	Actual Services					Projected Services						Total Increase from Base Year
				2000	2005	2010	Base Year	2015	2015	2020	2025	2030	2035	2040	
SFR	SFR_E	5 Yr. Avg.	0.33%	0	0	567		577	577	586	596	606	616	626	50
MFR	MFR_A	Zero Growth Rate	0.00%	0	0	3		3	3	3	3	3	3	3	0
COM	COM_A	Zero Growth Rate	0.00%	0	0	42		40	40	40	40	40	40	40	0
IND	IND_A	Zero Growth Rate	0.00%	0	0	0		0	0	0	0	0	0	0	0
GOV	GOV_A	Zero Growth Rate	0.00%	0	0	9		11	11	11	11	11	11	11	0
OTH	OTH_A	Zero Growth Rate	0.00%	0	0	0		0	0	0	0	0	0	0	0
TOTAL	Average growth rate 2011-2040		0.30%	0	0	621		630	630	640	650	660	670	680	50

1.75% 1.75% 1.72% 1.70% 1.67% 1.65% 1.62%

California Water Service Company - Hamilton City System

Water Supply and Demand Analysis and Projections

SFR Historical & Projected Services

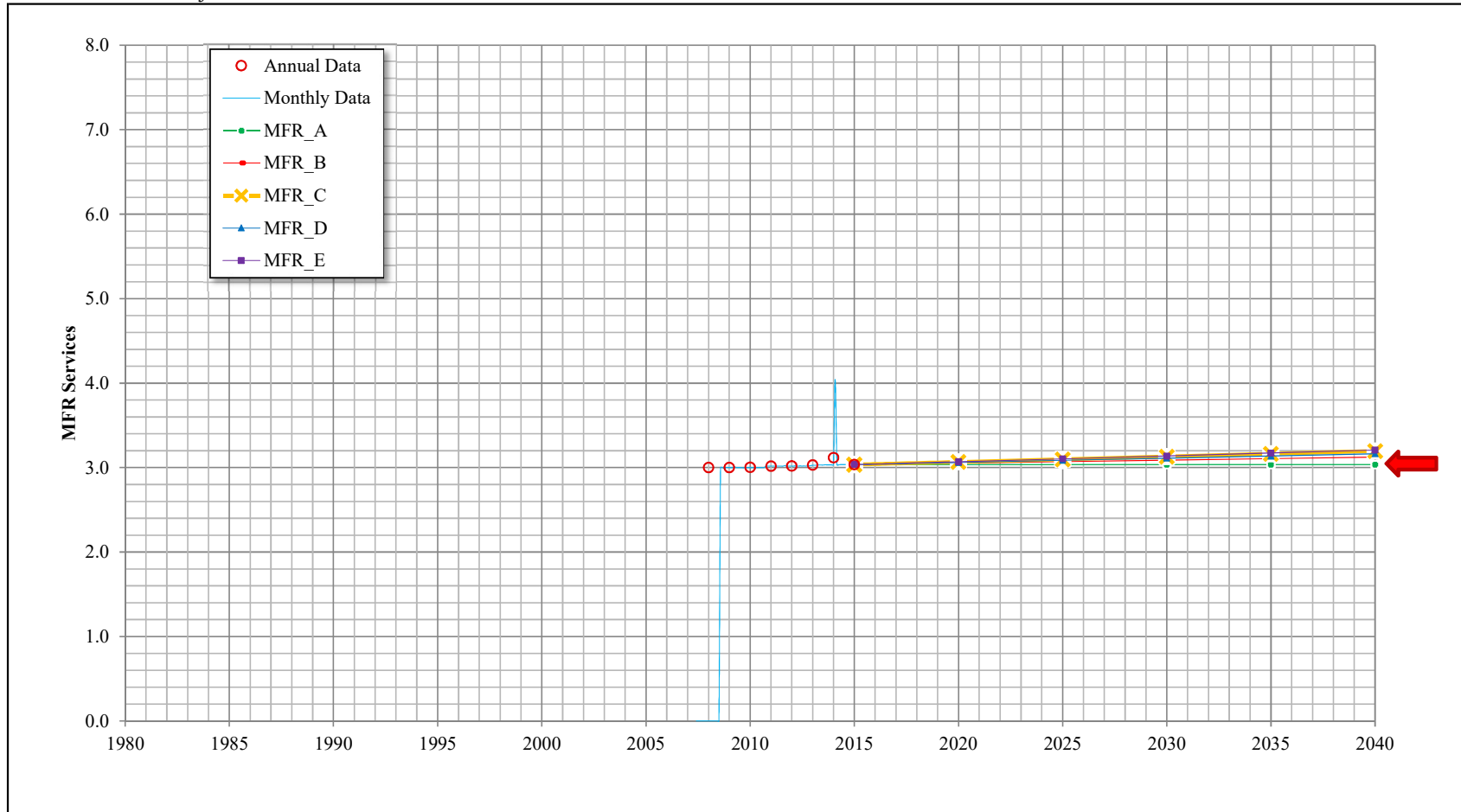


Customer Category	Trend	Growth Rate	Actual					Projected						
			Base Year					Services	Services	Services	Services	Services	Services	
			2000	2005	2010	2015	2015	2020	2025	2030	2035	2040		
SFR			0	0	567	577	577	577	577	577	577	577	577	577
	SFR_A	Zero Growth Rate	0.00%			577	577	577	577	577	577	577	577	577
	SFR_B	2 Yr. Avg.	0.17%			577	577	581	586	591	597	602	602	
	SFR_C	3 Yr. Avg.	0.53%			577	577	592	608	624	641	659	659	
	SFR_D	4 Yr. Avg.	0.43%			577	577	589	602	615	629	642	642	
	> SFR_E	5 Yr. Avg.	0.33%			577	577	586	596	606	616	626	626	

California Water Service Company - Hamilton City System

Water Supply and Demand Analysis and Projections

MFR Historical & Projected Services

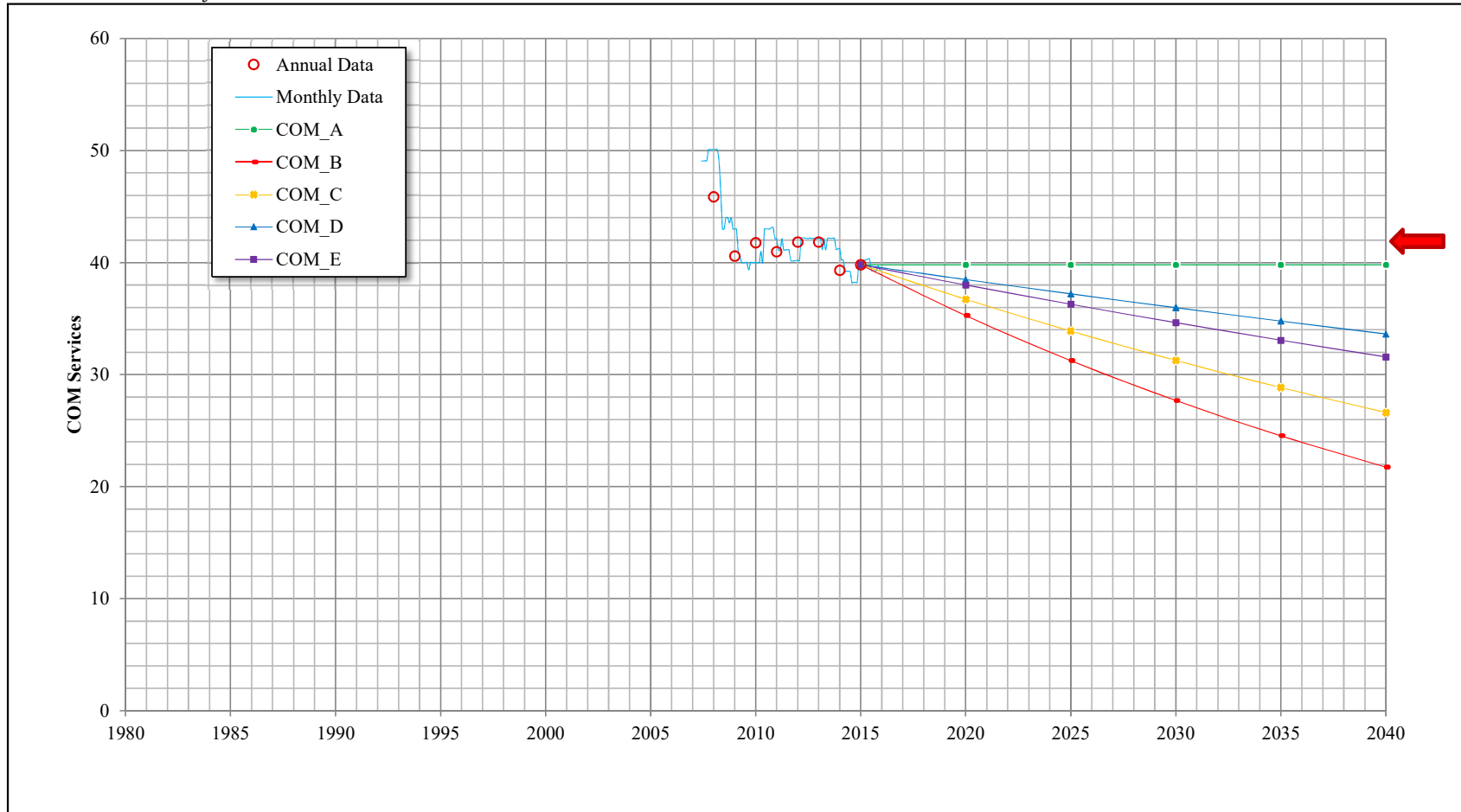


Customer Category	Trend	Growth Rate	Actual			Base Year	Projected							
			2000	2005	2010		2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040	
MFR	>	MFR_A	Zero Growth Rate	0.00%	0	0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		MFR_B	2 Yr. Avg.	0.12%				3.0	3.0	3.1	3.1	3.1	3.1	3.1
		MFR_C	3 Yr. Avg.	0.21%				3.0	3.0	3.1	3.1	3.1	3.1	3.2
		MFR_D	4 Yr. Avg.	0.17%				3.0	3.0	3.1	3.1	3.1	3.1	3.2
		MFR_E	5 Yr. Avg.	0.22%				3.0	3.0	3.1	3.1	3.1	3.1	3.2

California Water Service Company - Hamilton City System

Water Supply and Demand Analysis and Projections

COM Historical & Projected Services



Customer Category	Trend	Growth Rate	Actual			Base Year	Projected							
			2000	2005	2010		2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040	
COM	> COM_A	Zero Growth Rate	0	0	42	40	40	40	40	40	40	40	40	40
	COM_B	5 Yr. Avg.				40	40	35	31	28	25	22		
	COM_C	10 Yr. Avg.				40	40	37	34	31	29	27		
	COM_D	15 Yr. Avg.				40	40	38	37	36	35	34		
	COM_E	20 Yr. Avg.				40	40	38	36	35	33	32		

California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections

IND Historical & Projected Services

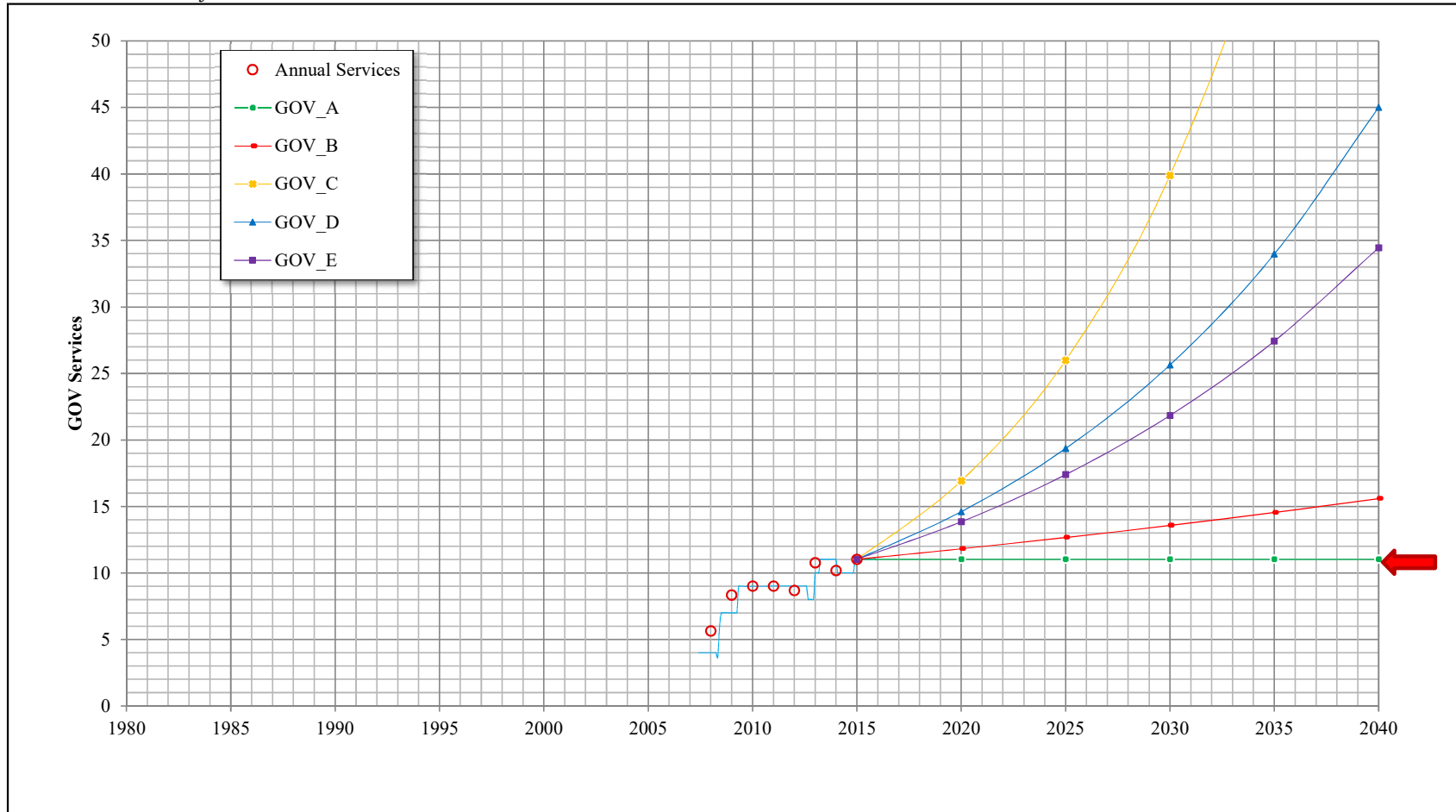
IND category is zero

Customer Category	Trend	Growth Rate	Actual			Projected							
			2000	2005	2010	Base Year	2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
IND	> IND_A IND_B IND_C IND_D IND_E	Zero Growth Rate 5 Yr. Avg. 10 Yr. Avg. 15 Yr. Avg. 20 Yr. Avg.											

California Water Service Company - Hamilton City System

Water Supply and Demand Analysis and Projections

GOV Historical & Projected Services



Customer Category	Trend	Growth Rate	Actual			Base Year	Projected						
			2000	2005	2010		Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040	
GOV	> GOV_A	Zero Growth Rate	0	0	9		11	11	11	11	11	11	11
	GOV_B	5 Yr. Avg.					11	11	12	13	14	15	16
	GOV_C	10 Yr. Avg.					11	11	17	26	40	61	94
	GOV_D	15 Yr. Avg.					11	11	15	19	26	34	45
	GOV_E	20 Yr. Avg.					11	11	14	17	22	27	34

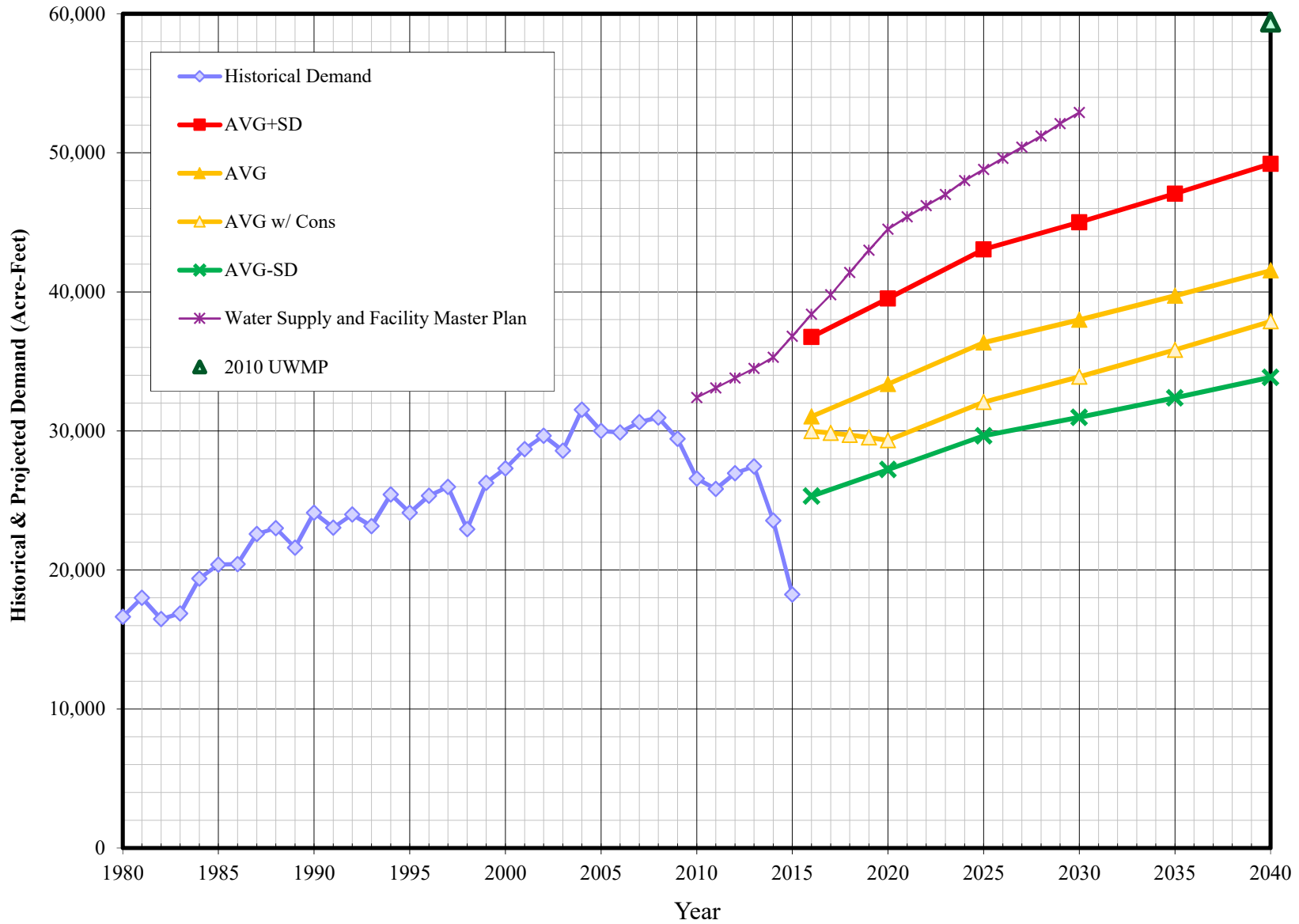
California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections

OTH Historical & Projected Services

OTH category is zero

Customer Category	Trend	Growth Rate	Actual			Projected							
			2000	2005	2010	Base Year	2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
OTH	> OTH_A OTH_B OTH_C OTH_D OTH_E	Zero Growth Rate 5 Yr. Avg. 10 Yr. Avg. 15 Yr. Avg. 20 Yr. Avg.											

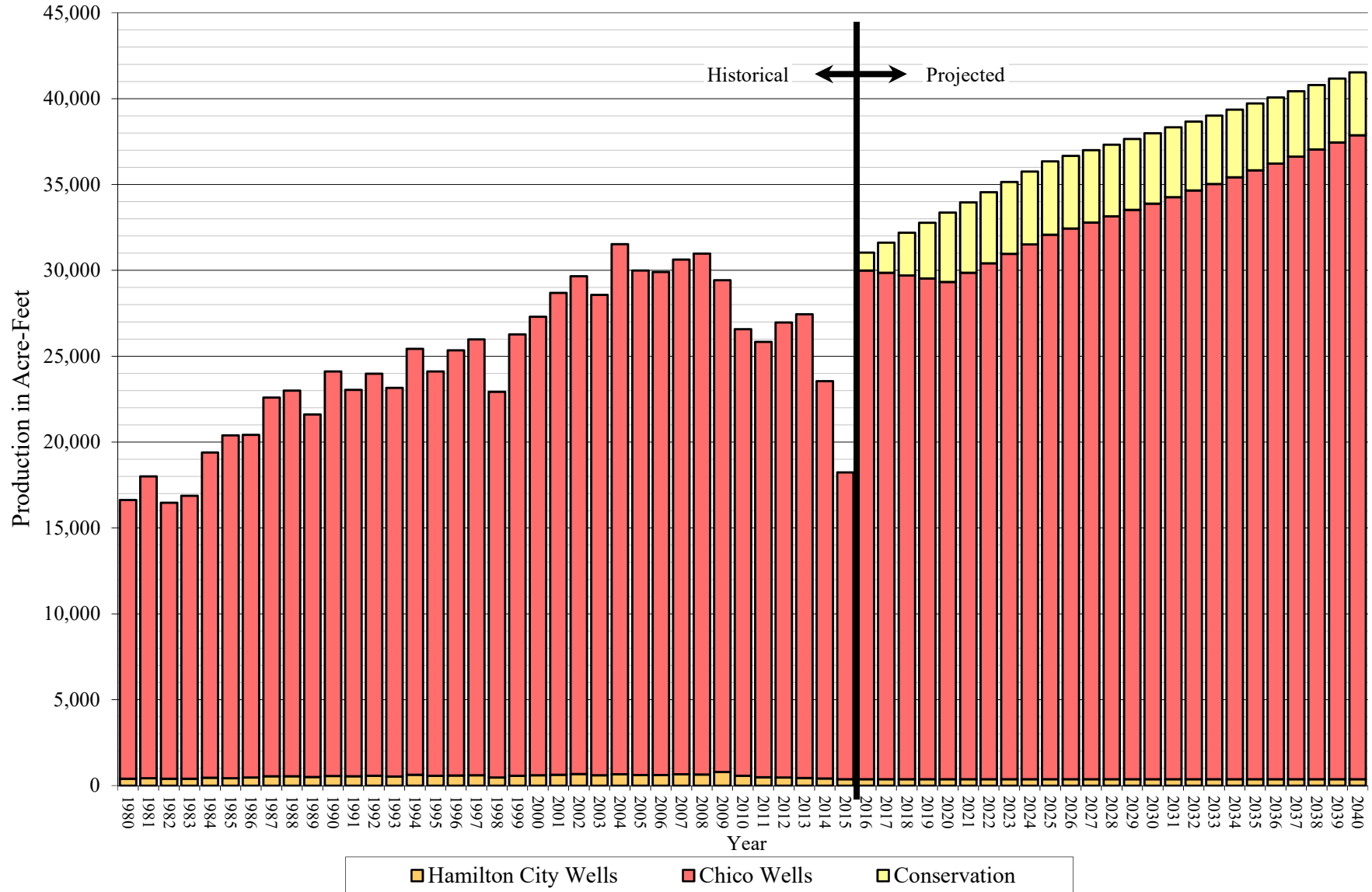
Historical & Projected Demand (CH-Ham)



California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections

Customer Category	Actual Demand (AFY)								Projected Demand (AFY)					
	1980	1985	1990	1995	2000	2005	2010	2015	2016	2020	2025	2030	2035	2040
SFR	10,487	12,142	13,995	13,541	15,608	17,811	15,432	9,663	21,672	23,722	26,328	27,479	28,687	29,955
									18,347	20,082	22,289	23,263	24,286	25,359
									15,022	16,442	18,249	19,047	19,884	20,763
MFR	1,287	1,758	2,224	2,346	2,439	2,595	2,911	2,495	4,478	4,740	5,090	5,465	5,868	6,300
									3,446	3,647	3,916	4,204	4,514	4,847
									2,413	2,554	2,742	2,944	3,161	3,394
COM	2,676	3,699	4,715	5,121	5,577	5,684	4,638	3,688	5,604	5,794	6,040	6,297	6,565	6,844
									5,131	5,305	5,530	5,765	6,011	6,266
									4,658	4,816	5,021	5,234	5,457	5,689
IND	133	122	133	205	391	419	422	398	538	538	538	538	538	538
									398	398	398	398	398	398
									257	257	257	257	257	257
GOV	689	1,005	1,066	944	1,061	1,000	1,011	815	1,506	1,516	1,529	1,542	1,555	1,568
									1,173	1,181	1,191	1,201	1,211	1,221
									841	846	853	861	868	875
OTH	29	28	54	32	41	83	33	28	52	52	52	52	52	52
									29	29	29	29	29	29
									7	7	7	7	7	7
UAWF	1,331	1,631	1,929	1,929	2,184	2,399	2,126	1,140	2,907	3,156	3,473	3,626	3,787	3,955
									2,508	2,723	2,996	3,128	3,267	3,412
									2,109	2,290	2,520	2,631	2,747	2,869
TOTAL (AFY)	16,632	20,386	24,116	24,119	27,301	29,992	26,572	18,227	36,758	39,518	43,050	44,999	47,051	49,213
									31,032	33,365	36,350	37,989	39,716	41,534
									25,307	27,212	29,649	30,980	32,381	33,855
TOTAL (MGD)	14.85	18.20	21.53	21.53	24.37	26.77	23.72	16.27	32.82	35.28	38.43	40.17	42.00	43.93
									27.70	29.79	32.45	33.91	35.46	37.08
									22.59	24.29	26.47	27.66	28.91	30.22

Historical and Projected Distribution of Demand by Source



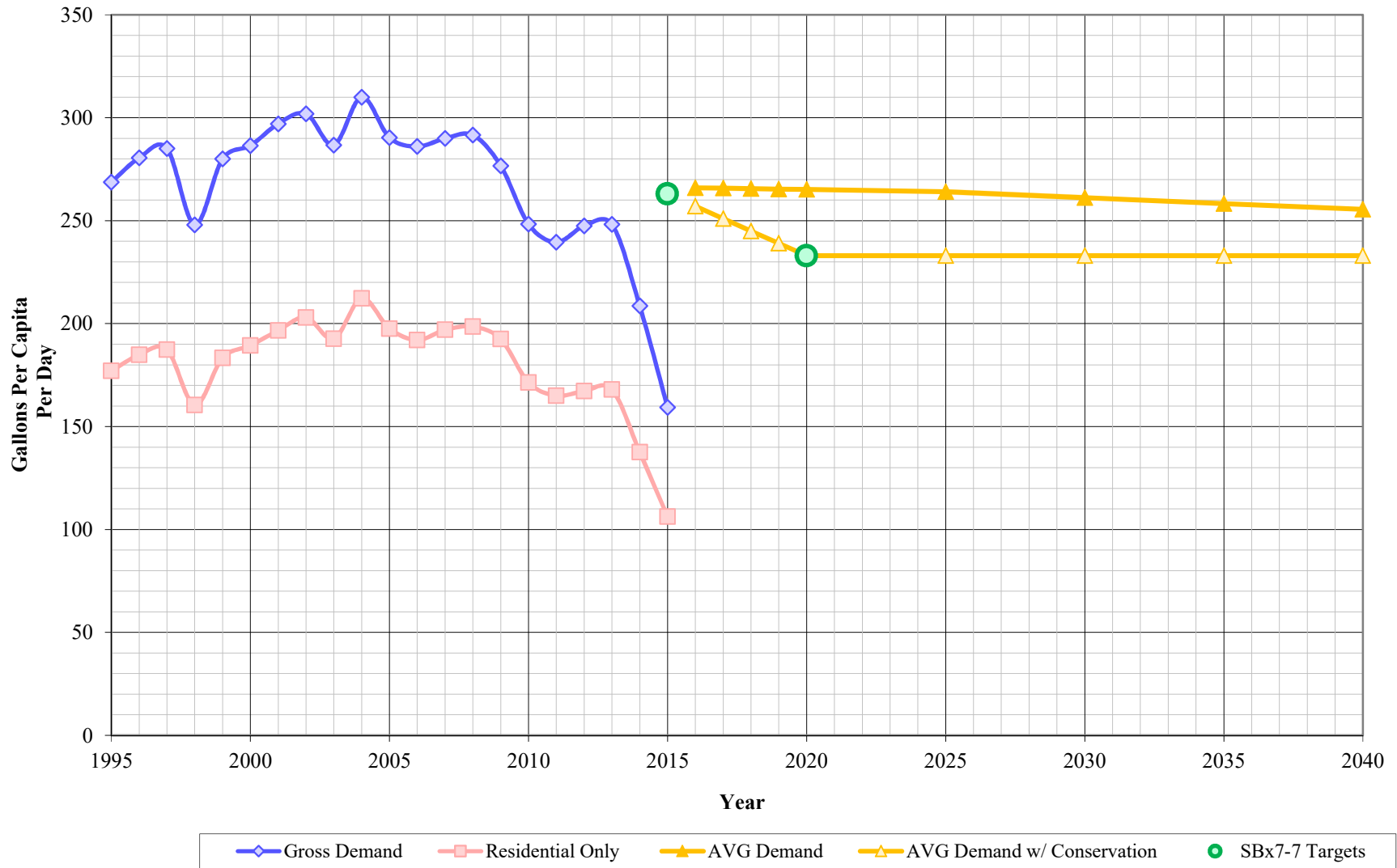
California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Historical and Projected Distribution of Demand by Source

Worksheet 10

Year	Groundwater Chico Wells		Groundwater Hamilton City Wells		Conservation		Total	
	MGD	AFY	MGD	AFY	MGD	AFY	MGD	AFY
1980	14.49	16,234	0.36	398			14.85	16,632
1981	15.70	17,583	0.38	420			16.07	18,003
1982	14.35	16,073	0.35	389			14.70	16,463
1983	14.71	16,478	0.36	401			15.07	16,878
1984	16.91	18,942	0.40	447			17.31	19,389
1985	17.82	19,961	0.38	426			18.20	20,386
1986	17.82	19,964	0.41	462			18.23	20,426
1987	19.69	22,056	0.48	538			20.17	22,594
1988	20.05	22,461	0.48	540			20.53	23,001
1989	18.85	21,113	0.45	499			19.29	21,612
1990	21.04	23,566	0.49	550			21.53	24,116
1991	20.09	22,500	0.48	543			20.57	23,043
1992	20.91	23,419	0.51	568			21.41	23,987
1993	20.20	22,628	0.47	526			20.67	23,154
1994	22.15	24,812	0.55	621			22.70	25,432
1995	21.03	23,555	0.50	564			21.53	24,119
1996	22.10	24,757	0.52	581			22.62	25,338
1997	22.67	25,389	0.53	591			23.19	25,980
1998	20.06	22,470	0.41	462			20.47	22,932
1999	22.95	25,706	0.50	563			23.45	26,269
2000	23.84	26,706	0.53	596			24.37	27,301
2001	25.05	28,055	0.57	634			25.61	28,689
2002	25.88	28,991	0.60	670			26.48	29,661
2003	24.97	27,972	0.54	602			25.51	28,573
2004	27.56	30,873	0.59	656			28.15	31,529
2005	26.22	29,372	0.55	620			26.77	29,992
2006	26.14	29,284	0.55	613			26.69	29,897
2007	26.76	29,971	0.58	655			27.34	30,626
2008	27.07	30,324	0.58	645			27.65	30,970
2009	25.57	28,643	0.70	784			26.27	29,427
2010	23.22	26,008	0.50	564			23.72	26,572

Year	Groundwater CH Wells		Groundwater Hamilton City Wells		Conservation		Total	
	MGD	AFY	MGD	AFY	MGD	AFY	MGD	AFY
2011	22.63	25,345	0.43	484	0	0	23.06	25,828
2012	23.65	26,486	0.42	472	0	0	24.07	26,958
2013	24.11	27,006	0.39	440	0	0	24.50	27,446
2014	20.66	23,139	0.36	405	0	0	21.02	23,544
2015	15.95	17,864	0.32	363	0.00	0	16.27	18,227
2016	26.45	29,623	0.32	363	0.93	1,047	27.70	31,032
2017	26.33	29,491	0.32	363	1.57	1,757	28.22	31,611
2018	26.19	29,336	0.32	363	2.23	2,494	28.74	32,193
2019	26.03	29,158	0.32	363	2.91	3,256	29.26	32,777
2020	25.85	28,956	0.32	363	3.61	4,046	29.79	33,365
2021	26.34	29,500	0.32	363	3.65	4,093	30.31	33,956
2022	26.82	30,047	0.32	363	3.70	4,140	30.84	34,550
2023	27.32	30,599	0.32	363	3.74	4,185	31.38	35,147
2024	27.81	31,155	0.32	363	3.78	4,230	31.91	35,748
2025	28.31	31,714	0.32	363	3.81	4,273	32.45	36,350
2026	28.63	32,068	0.32	363	3.79	4,240	32.74	36,671
2027	28.95	32,426	0.32	363	3.75	4,206	33.03	36,995
2028	29.27	32,789	0.32	363	3.72	4,171	33.32	37,323
2029	29.60	33,157	0.32	363	3.69	4,135	33.62	37,655
2030	29.93	33,529	0.32	363	3.66	4,098	33.91	37,989
2031	30.27	33,905	0.32	363	3.62	4,059	34.22	38,327
2032	30.61	34,286	0.32	363	3.59	4,020	34.52	38,669
2033	30.95	34,672	0.32	363	3.55	3,979	34.83	39,014
2034	31.30	35,063	0.32	363	3.52	3,937	35.14	39,363
2035	31.66	35,458	0.32	363	3.48	3,894	35.46	39,716
2036	32.01	35,859	0.32	363	3.44	3,850	35.77	40,072
2037	32.37	36,264	0.32	363	3.40	3,804	36.10	40,432
2038	32.74	36,675	0.32	363	3.35	3,758	36.42	40,795
2039	33.11	37,090	0.32	363	3.31	3,710	36.75	41,162
2040	33.49	37,511	0.32	363	3.27	3,660	37.08	41,534

Per Capita Consumption (CH-Ham)



California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Per Capita Water Demand Calculation

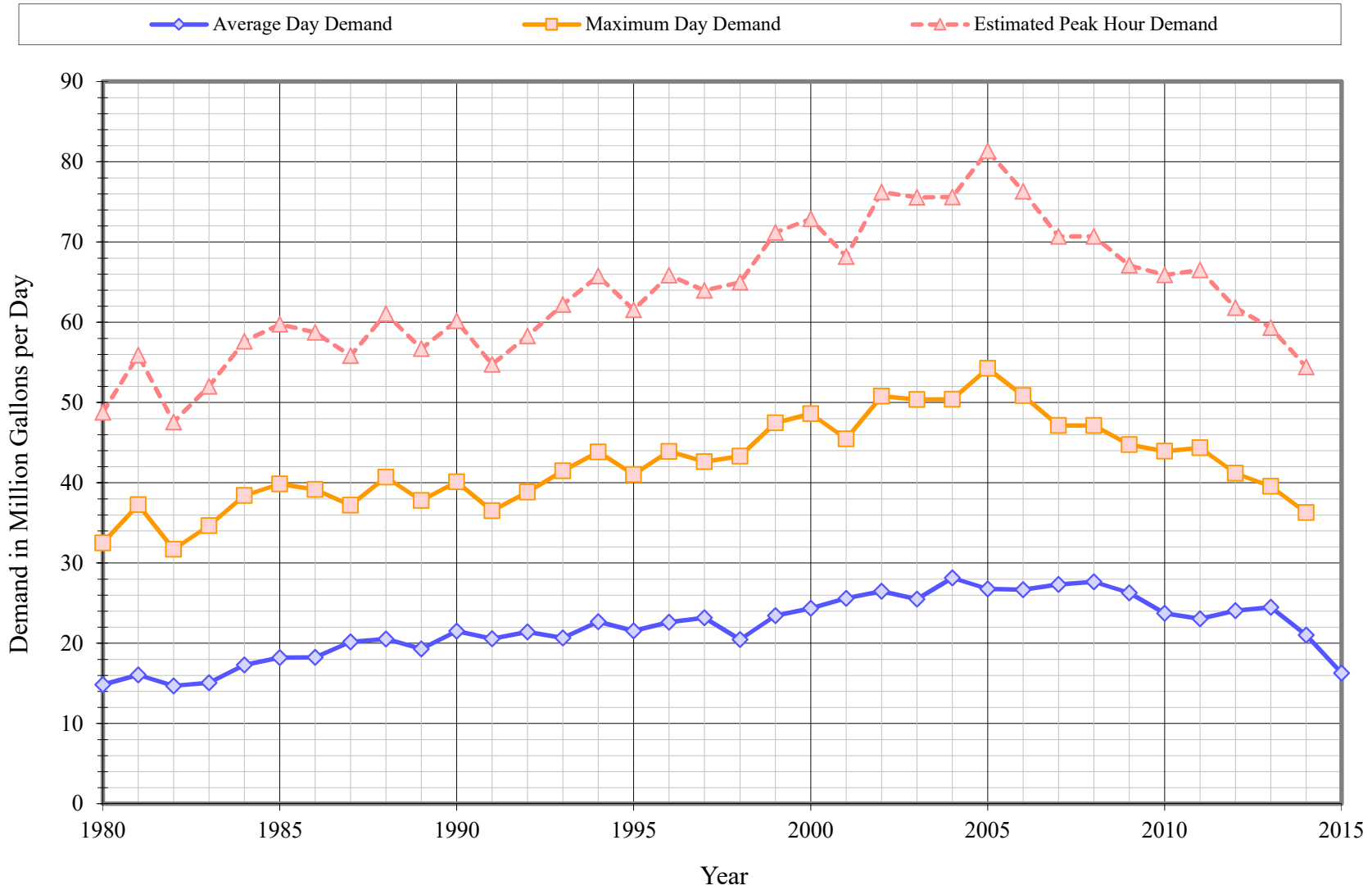
Worksheet 11

Year	POP	Historical				Projected			
		Gross Demand		Residential Only		Avg Demand		Avg Demand w/ Cons	
		Usage (AFY)	Per Capita (GPCPD)	Usage (AFY)	Per Capita (GPCPD)	Demand (AFY)	Per Capita (GPCPD)	Demand (AFY)	Per Capita (GPCPD)
1995	80,121	24,119	269	15,886	177				
1996	80,640	25,338	281	16,697	185				
1997	81,366	25,980	285	17,076	187				
1998	82,564	22,932	248	14,836	160				
1999	83,741	26,269	280	17,201	183				
2000	85,071	27,301	287	18,047	189				
2001	86,217	28,689	297	18,991	197				
2002	87,697	29,661	302	19,943	203				
2003	88,968	28,573	287	19,198	193				
2004	90,793	31,529	310	21,589	212				
2005	92,204	29,992	290	20,406	198				
2006	93,300	29,897	286	20,072	192				
2007	94,305	30,626	290	20,809	197				
2008	94,834	30,970	292	21,089	199				
2009	94,963	29,427	277	20,472	192				
2010	95,507	26,572	248	18,342	171				
2011	96,257	25,828	240	17,793	165				
2012	97,274	26,958	247	18,218	167				
2013	98,691	27,446	248	18,567	168				
2014	100,782	23,544	209	15,529	138				
2015	102,155	18,227	159	12,158	106				
2016	104,161					31,032	266	29,986	257
2017	106,183					31,611	266	29,854	251
2018	108,219					32,193	266	29,699	245
2019	110,270					32,777	265	29,521	239
2020	112,337					33,365	265	29,319	233
2025	122,902					36,350	264	32,077	233
2030	129,856					37,989	261	33,892	233
2035	137,250					39,716	258	35,821	233
2040	145,113					41,534	256	37,874	233

SBx7-7 Targets

2015	263
2020	233

Average Day, Maximum Day, Peak Demand

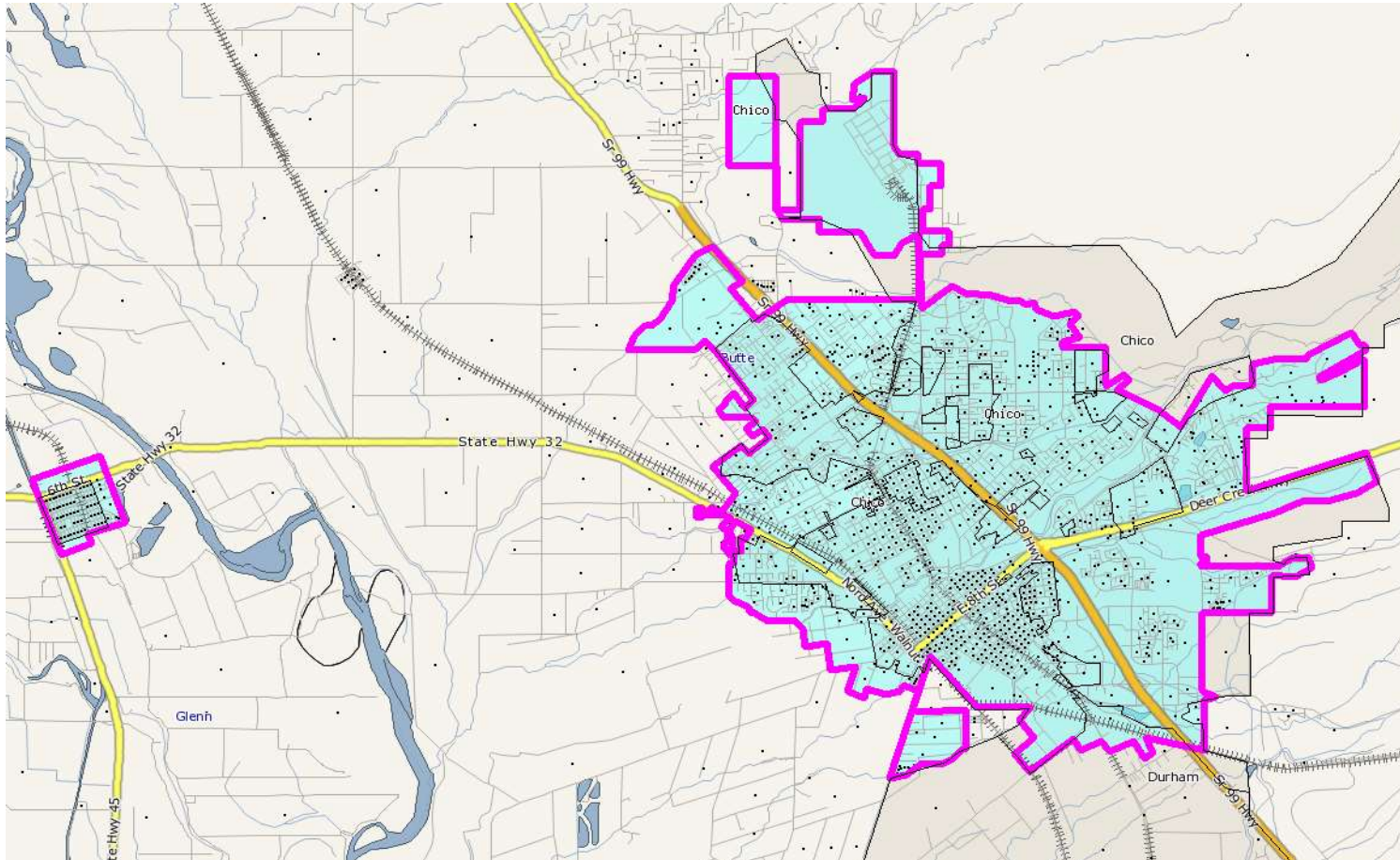


California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Historical and Projected Average Day, Maximum Day, and Peak Demand

Worksheet 12

Year	Historical Annual Demand		Average Day Demand		Maximum Day Demand		MDD ADD Ratio	Estimated Peak Hour Demand		PHD MDD Ratio	PHD ADD Ratio	Measured Peak Hour Demand		PHD MDD Ratio
	(AFY)	(MGY)	(MGD)	Per Service (GPD)	(MGD)	Per Service (GPD)		(MGD)	(GPM)			(MGD)	(GPM)	
1980	16,632	5,420	14.85	1,114	32.51	2,439	2.19	48.76	33,863	1.50	3.28			
1981	18,003	5,866	16.07	1,172	37.27	2,716	2.32	55.90	38,819	1.50	3.48			
1982	16,463	5,364	14.70	1,050	31.71	2,265	2.16	47.57	33,031	1.50	3.24			
1983	16,878	5,500	15.07	1,061	34.66	2,440	2.30	51.99	36,107	1.50	3.45			
1984	19,389	6,318	17.31	1,182	38.43	2,624	2.22	57.64	40,026	1.50	3.33			
1985	20,386	6,643	18.20	1,207	39.83	2,642	2.19	59.75	41,492	1.50	3.28			
1986	20,426	6,656	18.23	1,177	39.15	2,528	2.15	58.72	40,780	1.50	3.22			
1987	22,594	7,362	20.17	1,264	37.22	2,333	1.85	55.82	38,766	1.50	2.77			
1988	23,001	7,495	20.53	1,245	40.69	2,468	1.98	61.04	42,390	1.50	2.97			
1989	21,612	7,042	19.29	1,113	37.80	2,181	1.96	56.70	39,378	1.50	2.94			
1990	24,116	7,858	21.53	1,193	40.11	2,222	1.86	60.17	41,784	1.50	2.79			
1991	23,043	7,509	20.57	1,099	36.51	1,951	1.77	54.77	38,031	1.50	2.66			
1992	23,987	7,816	21.41	1,112	38.84	2,017	1.81	58.26	40,461	1.50	2.72			
1993	23,154	7,545	20.67	1,048	41.47	2,103	2.01	62.20	43,194	1.50	3.01			
1994	25,432	8,287	22.70	1,120	43.84	2,163	1.93	65.76	45,666	1.50	2.90			
1995	24,119	7,859	21.53	1,046	41.04	1,994	1.91	61.55	42,746	1.50	2.86			
1996	25,338	8,256	22.62	1,082	43.91	2,101	1.94	65.86	45,736	1.50	2.91			
1997	25,980	8,466	23.19	1,092	42.64	2,008	1.84	63.96	44,418	1.50	2.76			
1998	22,932	7,472	20.47	947	43.31	2,003	2.12	64.97	45,119	1.50	3.17			
1999	26,269	8,560	23.45	1,057	47.47	2,139	2.02	71.20	49,446	1.50	3.04			
2000	27,301	8,896	24.37	1,069	48.60	2,132	1.99	72.89	50,621	1.50	2.99			
2001	28,689	9,348	25.61	1,102	45.46	1,955	1.77	68.19	47,354	1.50	2.66			
2002	29,661	9,665	26.48	1,109	50.81	2,128	1.92	76.22	52,927	1.50	2.88			
2003	28,573	9,311	25.51	1,045	50.38	2,063	1.98	75.57	52,480	1.50	2.96			
2004	31,529	10,274	28.15	1,117	50.40	2,000	1.79	75.59	52,496	1.50	2.69			
2005	29,992	9,773	26.77	1,036	54.24	2,100	2.03	81.37	56,504	1.50	3.04			
2006	29,897	9,742	26.69	1,015	50.87	1,935	1.91	76.30	52,989	1.50	2.86			
2007	30,626	9,980	27.34	1,023	47.13	1,764	1.72	70.69	49,092	1.50	2.59			
2008	30,970	10,092	27.65	1,025	47.13	1,748	1.70	70.70	49,098	1.50	2.56			
2009	29,427	9,589	26.27	970	44.74	1,653	1.70	67.11	46,605	1.50	2.55			
2010	26,572	8,658	23.72	869	43.94	1,609	1.85	65.91	45,768	1.50	2.78			
2011	25,828	8,416	23.06	838	44.35	1,612	1.92	66.52	46,195	1.50	2.88			
2012	26,958	8,784	24.07	870	41.20	1,490	1.71	61.79	42,911	1.50	2.57			
2013	27,446	8,943	24.50	880	39.54	1,420	1.61	59.31	41,190	1.50	2.42			
2014	23,544	7,672	21.02	743	36.29	1,283	1.73	54.44	37,803	1.50	2.59			
2015	18,227	5,939	16.27	573										
5-yr Average			21.78	781	41.06	1,483	1.77	61.59	42,773	1.50	2.65			
10-yr Average			24.06	881	44.94	1,661	1.79	67.41	46,815	1.50	2.68			

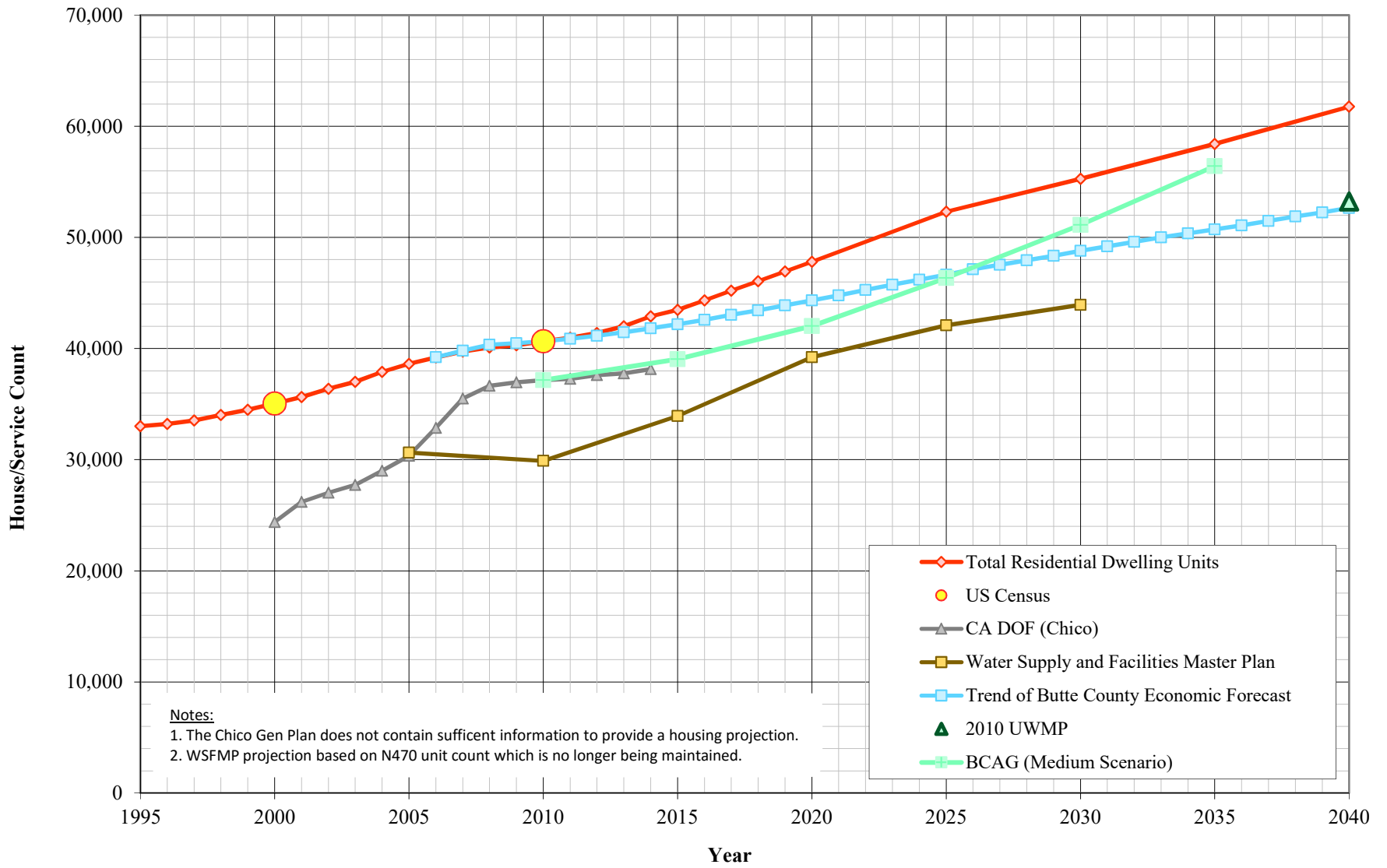
California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
MarPlot Summary



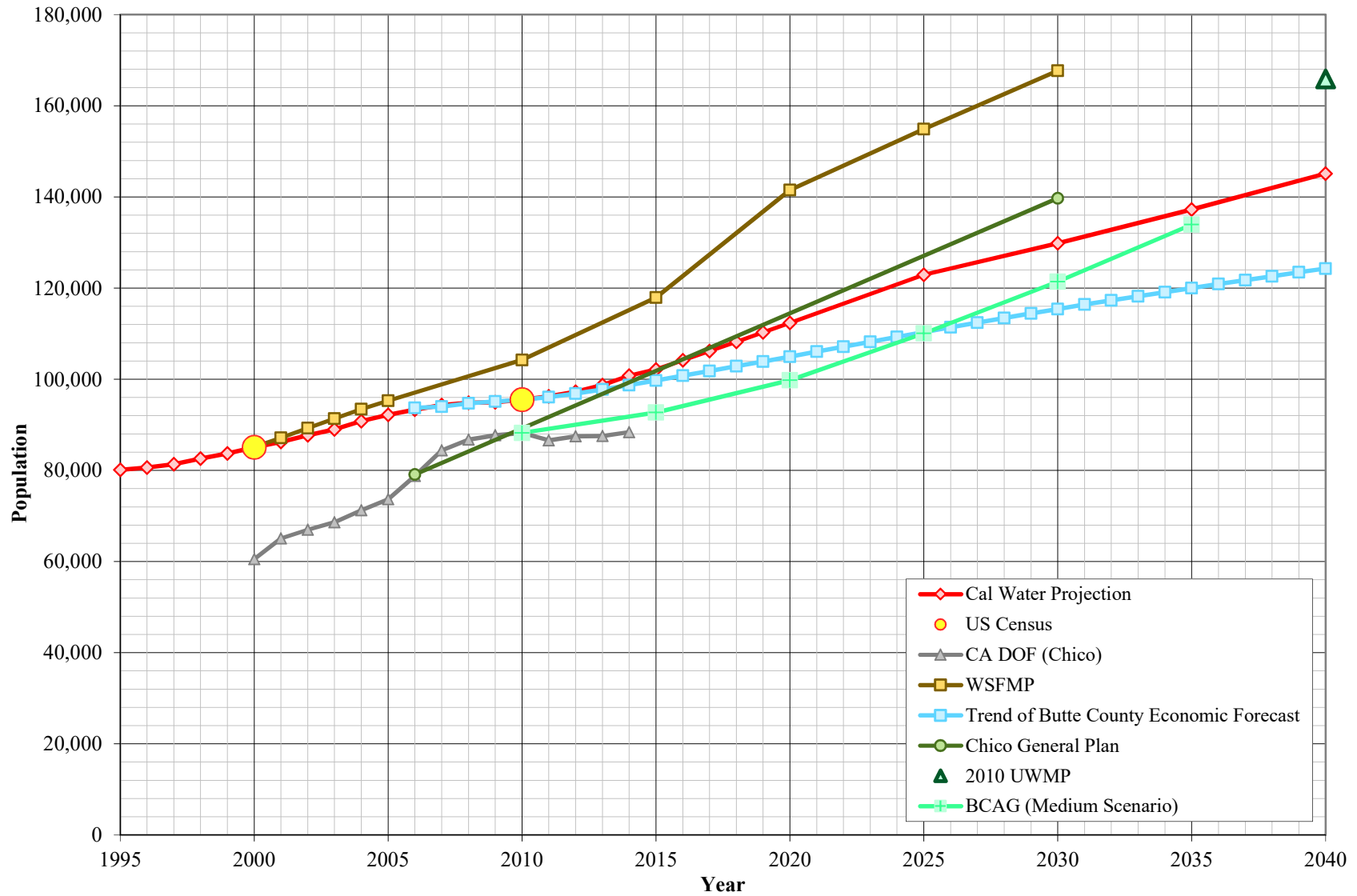
System	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
Chico		83,005	34,460	2.41	883	93,068	39,942	2.33	12.1%	15.9%	-3.3%
Hamilton City		2,066	589	3.51	333	2,439	711	3.43	18.1%	20.7%	-2.2%
	1,075	85,071	35,049	2.43	1,216	95,507	40,653	2.35	12.3%	16.0%	-3.2%

MARPLOT disclaimer: The population and housing number given above are only rough estimates. They are based on the US Census Blocks. Although Census Blocks are polygons, MARPLOT uses the centroid, or center point, rather than the entire polygon. If a Census Block centroid is within any of the MARPLOT selected objects, the population and housing numbers for that block are tallied, even if only part of the block is within the selected object. It is possible for a block not be counted if its centroid is not within selected objects, even though part of the block is within the selected objects.

Housing Projections



Population Projections



California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections
Population Estimate

Year	US Census		Persons per Housing Unit	Single Family Residential	Multi Family Residential			Flat Rate Residential
	Population	Housing Units		Services (DU)	Services	Units (DU)	Unit Density	Services (DU)
2000	85,071	35,049	2.427	7,603	419	16,015	38.2	11,431
2010	95,507	40,653	2.349	14,411	827	17,677	21.4	8,565
	12.3%	16.0%	-3.2%	89.6%	97.2%	10.4%	-44.0%	-25.1%

Year	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)	Total Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
		Services	Residential Units (DU)	Unit Density				
1995	5,275	419	16,006	38.2	11,729	33,009	2.427	80,121
1996	5,661	417	15,929	38.2	11,633	33,223	2.427	80,640
1997	6,033	417	15,923	38.2	11,567	33,523	2.427	81,366
1998	6,448	420	16,060	38.2	11,508	34,016	2.427	82,564
1999	7,027	419	16,006	38.2	11,468	34,501	2.427	83,741
2000	7,603	419	16,015	38.2	11,431	35,049	2.427	85,071
2001	8,046	422	16,181	38.4	11,408	35,635	2.419	86,217
2002	8,586	428	16,348	38.2	11,431	36,364	2.412	87,697
2003	9,167	428	16,514	38.6	11,330	37,011	2.404	88,968
2004	9,978	426	16,680	39.2	11,234	37,893	2.396	90,793
2005	10,579	426	16,846	39.6	11,182	38,607	2.388	92,204
2006	11,104	424	17,012	40.1	11,078	39,194	2.380	93,300
2007	11,681	423	17,179	40.6	10,887	39,746	2.373	94,305
2008	11,999	592	17,345	29.3	10,756	40,101	2.365	94,834
2009	12,790	796	17,511	22.0	9,987	40,288	2.357	94,963
2010	14,411	827	17,677	21.4	8,565	40,653	2.349	95,507
2011	16,056	868	17,843	20.6	7,073	40,972	2.349	96,257
2012	18,205	883	18,147	20.6	5,053	41,405	2.349	97,274
2013	20,530	903	18,566	20.6	2,912	42,008	2.349	98,691
2014	23,009	924	19,003	20.6	886	42,898	2.349	100,782
2015	23,996	948	19,486	20.6	0	43,483	2.349	102,155
2016	24,571	961	19,765	20.6	0	44,337	2.349	104,161
2017	25,149	975	20,048	20.6	0	45,197	2.349	106,183
2018	25,728	989	20,335	20.6	0	46,064	2.349	108,219
2019	26,310	1,003	20,627	20.6	0	46,937	2.349	110,270
2020	26,895	1,018	20,922	20.6	0	47,817	2.349	112,337
2025	29,850	1,093	22,463	20.6	0	52,314	2.349	122,902
2030	31,155	1,173	24,119	20.6	0	55,274	2.349	129,856
2035	32,525	1,260	25,897	20.6	0	58,421	2.349	137,250
2040	33,962	1,352	27,806	20.6	0	61,768	2.349	145,113

Notes: linear extrapolation used to estimated MFR-DU from 2000. Estimate extend until 2011 due to reclassification, afterwhich a constant MFR Unit Density is used.

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California Water Service Company - Chico System
Water Supply and Demand Analysis and Projections
Population Estimate

Year	US Census		Persons per Housing Unit	Single Family	Multi Family Residential			Flat Rate
	Population	Housing Units		Residential	Residential	Unit	Residential	
				Services (DU)	Services	Units (DU)	Density	Services (DU)
2000	85,071	35,049	2.427	7,603	419	16,015	38.2	11,431
2010	93,068	39,942	2.330	14,191	824	17,533	21.3	8,217
	9.4%	14.0%	-4.0%					

Year	Single Family Residential	Multi Family Residential			Flat Rate Residential	Total Residential	Persons per Housing Unit	Estimated District Population
	Services (DU)	Services	Residential Units (DU)	Unit Density	Services (DU)	Dwelling Units		
1995	5,275	419	16,006	38.2	11,729	33,009	2.427	80,121
1996	5,661	417	15,929	38.2	11,633	33,223	2.427	80,640
1997	6,033	417	15,923	38.2	11,567	33,523	2.427	81,366
1998	6,448	420	16,060	38.2	11,508	34,016	2.427	82,564
1999	7,027	419	16,006	38.2	11,468	34,501	2.427	83,741
2000	7,603	419	16,015	38.2	11,431	35,049	2.427	85,071
2001	8,046	422	16,181	38.4	11,408	35,635	2.419	86,217
2002	8,586	428	16,348	38.2	11,431	36,364	2.412	87,697
2003	9,167	428	16,514	38.6	11,330	37,011	2.404	88,968
2004	9,978	426	16,680	39.2	11,234	37,893	2.396	90,793
2005	10,579	426	16,846	39.6	11,182	38,607	2.388	92,204
2006	11,104	424	17,012	40.1	11,078	39,194	2.380	93,300
2007	11,681	423	17,179	40.6	10,887	39,746	2.373	94,305
2008	11,792	591	17,233	29.2	10,386	39,411	2.346	92,469
2009	12,581	793	17,378	21.9	9,629	39,588	2.338	92,561
2010	14,191	824	17,533	21.3	8,217	39,942	2.330	93,068
2011	15,719	865	17,699	20.5	6,843	40,261	2.330	93,817
2012	17,750	880	18,002	20.5	4,941	40,693	2.330	94,831
2013	19,955	900	18,421	20.5	2,912	41,288	2.330	96,222
2014	22,433	921	18,854	20.5	886	42,173	2.331	98,293
2015	23,420	945	19,341	20.5	0	42,761	2.331	99,678
2016	23,993	#REF!	19,620	#REF!	0	43,613	2.331	101,678
2017	24,568	#REF!	19,903	#REF!	0	44,471	2.332	103,693
2018	25,146	#REF!	20,190	#REF!	0	45,336	2.332	105,723
2019	25,726	#REF!	20,481	#REF!	0	46,207	2.332	107,767
2020	26,309	#REF!	20,777	#REF!	0	47,085	2.333	109,827
2025	29,254	#REF!	22,318	#REF!	0	51,572	2.334	120,359
2030	30,549	#REF!	23,973	#REF!	0	54,522	2.334	127,279
2035	31,908	#REF!	25,751	#REF!	0	57,660	2.335	134,638
2040	33,336	#REF!	27,660	#REF!	0	60,996	2.336	142,466

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California Water Service Company - Hamilton City System
Water Supply and Demand Analysis and Projections
Population Estimate

Year	US Census		Persons per Housing Unit	Single Family Residential	Multi Family Residential			Flat Rate Residential
	Population	Housing Units		Services (DU)	Services	Units (DU)	Unit Density	Services (DU)
2000	2,066	589	3.508					
2010	2,439	711	3.430	220	3	144	47.9	347
	18.1%	20.7%	-2.2%					

Year	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)	Total Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
		Services	Residential Units (DU)	Unit Density				
1995								
1996								
1997								
1998								
1999								
2000								
2001								
2002								
2003								
2004								
2005								
2006								
2007								
2008	207	3	144	48.0	370	689	3.430	2,364
2009	209	3	144	47.9	358	700	3.430	2,402
2010	220	3	144	47.9	347	711	3.430	2,439
2011	337	3	145	47.9	230	711	3.430	2,440
2012	455	3	145	47.9	112	712	3.430	2,443
2013	575	3	145	47.9	0	720	3.430	2,469
2014	576	3	149	47.9	0	726	3.430	2,489
2015	577	3	145	47.9	0	722	3.430	2,477
2016	578	3	145	47.9	0	724	3.430	2,483
2017	580	3	145	47.9	0	726	3.430	2,490
2018	582	3	145	47.9	0	728	3.430	2,496
2019	584	3	145	47.9	0	730	3.430	2,503
2020	586	3	145	47.9	0	732	3.430	2,510
2025	596	3	145	47.9	0	741	3.430	2,543
2030	606	3	145	47.9	0	751	3.430	2,577
2035	616	3	145	47.9	0	761	3.430	2,612
2040	626	3	145	47.9	0	772	3.430	2,647

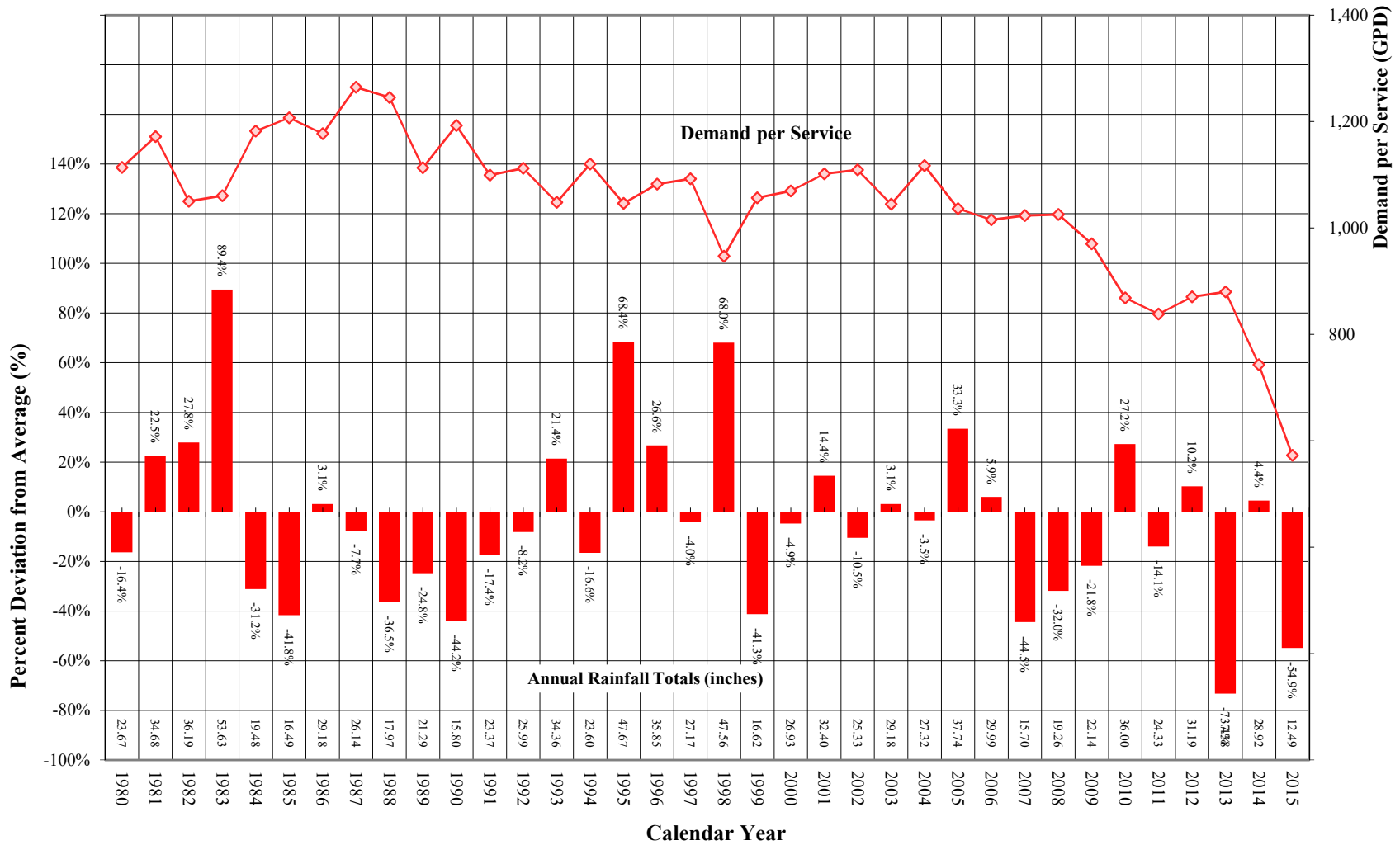
Hamilton City data included in Chico's estimate from 1995 to 2007

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Comparison of Annual Rainfall to Historical Average



California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections

Temperature & Rainfall History

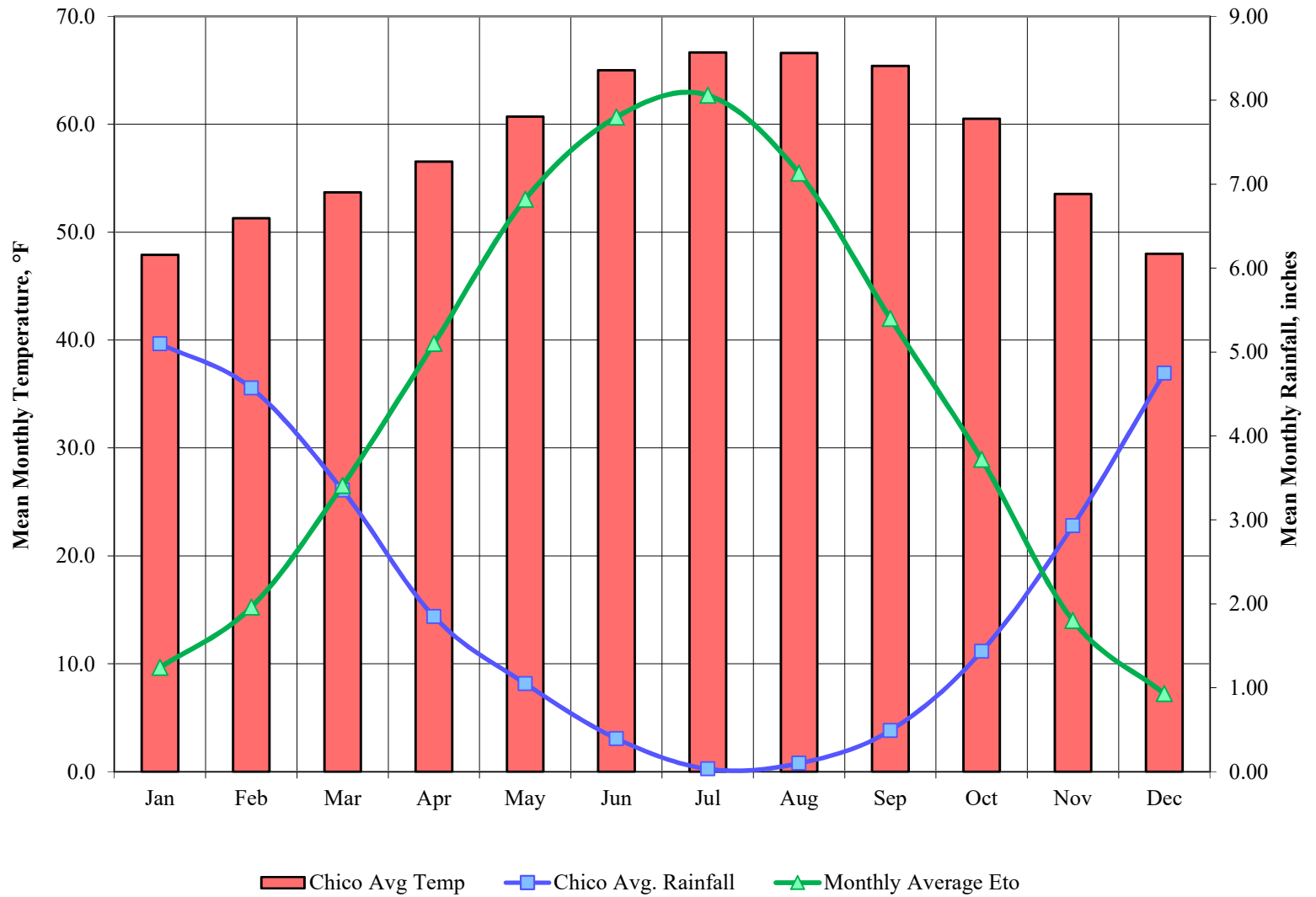
Year	Precipitation		Temperature			Demand per Service (gpd)	Percent of Average Demand
	Annual (in)	Percent Variation	Tmax (°F)	Tmin (°F)	Mean (°F)		
1980	23.67	-16.4%	92.90	37.30	65.1	1,114	6.5%
1981	34.68	22.5%	95.50	39.00	67.3	1,172	12.0%
1982	36.19	27.8%	91.20	32.50	61.9	1,050	0.4%
1983	53.63	89.4%	92.40	36.60	64.5	1,061	1.4%
1984	19.48	-31.2%	97.30	36.10	66.7	1,182	13.0%
1985	16.49	-41.8%	95.90	32.30	64.1	1,207	15.4%
1986	29.18	3.1%	95.20	34.80	65.0	1,177	12.5%
1987	26.14	-7.7%	94.70	32.40	63.6	1,264	20.9%
1988	17.97	-36.5%	98.90	35.10	67.0	1,245	19.0%
1989	21.29	-24.8%	94.60	31.90	63.3	1,113	6.4%
1990	15.80	-44.2%	96.10	29.10	62.6	1,193	14.0%
1991	23.37	-17.4%	95.70	33.40	64.6	1,099	5.1%
1992	25.99	-8.2%	97.40	34.60	66.0	1,112	6.3%
1993	34.36	21.4%	93.80	34.80	64.3	1,048	0.2%
1994	23.60	-16.6%	95.80	35.60	65.7	1,120	7.1%
1995	47.67	68.4%	93.80	40.80	67.3	1,046	0.0%
1996	35.85	26.6%	97.20	38.90	68.1	1,082	3.4%
1997	27.17	-4.0%	94.50	36.90	65.7	1,092	4.4%
1998	47.56	68.0%	96.20	33.60	64.9	947	-9.5%
1999	16.62	-41.3%	91.60	35.90	63.8	1,057	1.0%
2000	26.93	-4.9%	93.00	37.50	65.3	1,069	2.2%
2001	32.40	14.4%	94.00	34.20	64.1	1,102	5.3%
2002	25.33	-10.5%	94.70	36.20	65.5	1,109	6.0%
2003	29.18	3.1%	97.90	38.00	68.0	1,045	-0.2%
2004	27.32	-3.5%	93.70	37.50	65.6	1,117	6.8%
2005	37.74	33.3%	98.70	38.70	68.7	1,036	-0.9%
2006	29.99	5.9%	99.10	36.20	67.7	1,015	-3.0%
2007	15.70	-44.5%	94.70	33.00	63.9	1,023	-2.2%
2008	19.26	-32.0%	95.40	34.50	65.0	1,025	-2.0%
2009	22.14	-21.8%	95.30	34.90	65.1	970	-7.3%
2010	36.00	27.2%	94.20	40.70	67.5	869	-17.0%
2011	24.33	-14.1%	93.20	34.50	63.9	838	-19.9%
2012	31.19	10.2%	96.50	36.30	66.4	870	-16.8%
2013	7.38	-73.4%	96.10	32.40	64.3	880	-15.9%
2014	28.92	4.4%	96.40	39.30	67.9	743	-29.0%
2015	12.49	-54.9%	93.80	38.10	66.0	573	-45.3%
2016							
2017							
2018							
2019							
2020							

Precipitation (1895 - present)						Monthly Average Eto
	Mean	High	Year	Low	Year	
	in.	in.	-	in.	-	
Jan	5.10	19.10	1995	0.02	2007	1.24
Feb	4.57	15.84	1998	0.16	1971	1.96
Mar	3.35	12.42	1995	0.02	1923	3.41
Apr	1.85	6.97	1948	0.00	1909	5.10
May	1.05	4.60	1915	0.00	1920	6.82
Jun	0.39	2.08	2011	0.00	1957	7.80
Jul	0.03	1.42	1974	0.00	1957	8.06
Aug	0.10	1.45	1976	0.00	1957	7.13
Sep	0.49	4.60	1912	0.00	1903	5.40
Oct	1.43	8.97	1962	0.00	1905	3.72
Nov	2.93	8.97	1920	0.00	1929	1.80
Dec	4.75	14.20	2002	0.06	1989	0.93
Annual	26.05	53.63	1983	7.38	2013	53.30

Temperature (1895 - present)			
	Tmax	Tmin	Mean
	°F	°F	°F
Jan	57.3	38.5	47.9
Feb	61.2	41.4	51.3
Mar	64.3	43.1	53.7
Apr	68.4	44.7	56.6
May	72.9	48.5	60.7
Jun	77.4	52.6	65.0
Jul	78.4	54.9	66.7
Aug	78.5	54.7	66.6
Sep	78.2	52.6	65.4
Oct	73.0	48.0	60.5
Nov	64.4	42.7	53.6
Dec	57.8	38.2	48.0
Annual	69.3	46.7	58.0

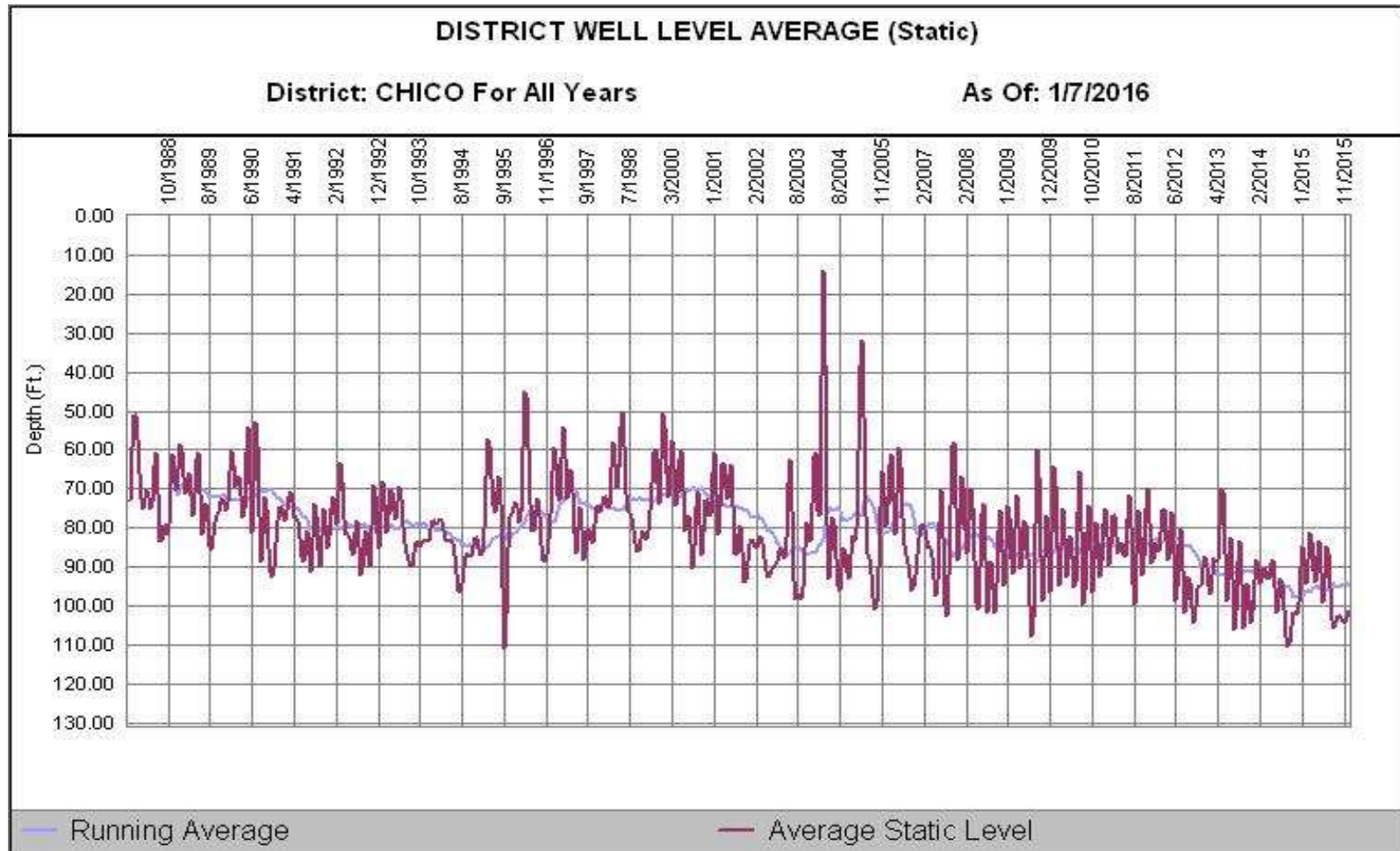
- 1) Eto values based on California Irrigation Management Information System (CIMIS), <http://www.cimis.water.ca.gov/cimis/welcome.jsp>, EvapoTranspiration (Eto) Zones Map, Zone 12
- 2) PPT, Tmax, Tmin obtained from PRISM where, PPT is total montly rainfall, Tmax is average of maximum temperatures for given month, and Tmin is average of minimum temperatures for given month
- 3) Percent variaion based on average of 1980 to present values

Average Monthly Temperature, Rainfall, and Monthly Eto



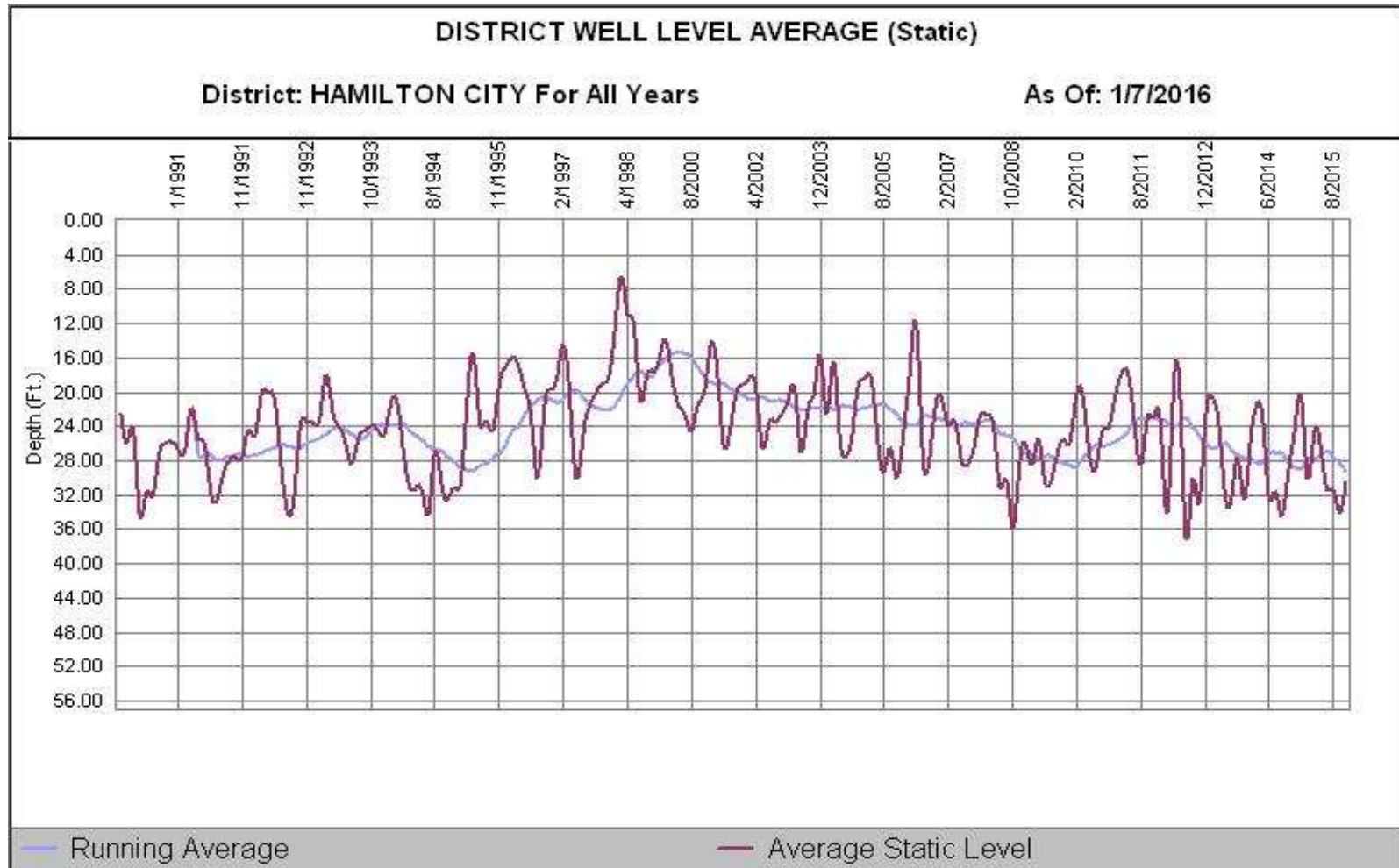
California Water Service Company - Chico-Hamilton City District Water Supply and Demand Analysis and Projections

Groundwater Levels

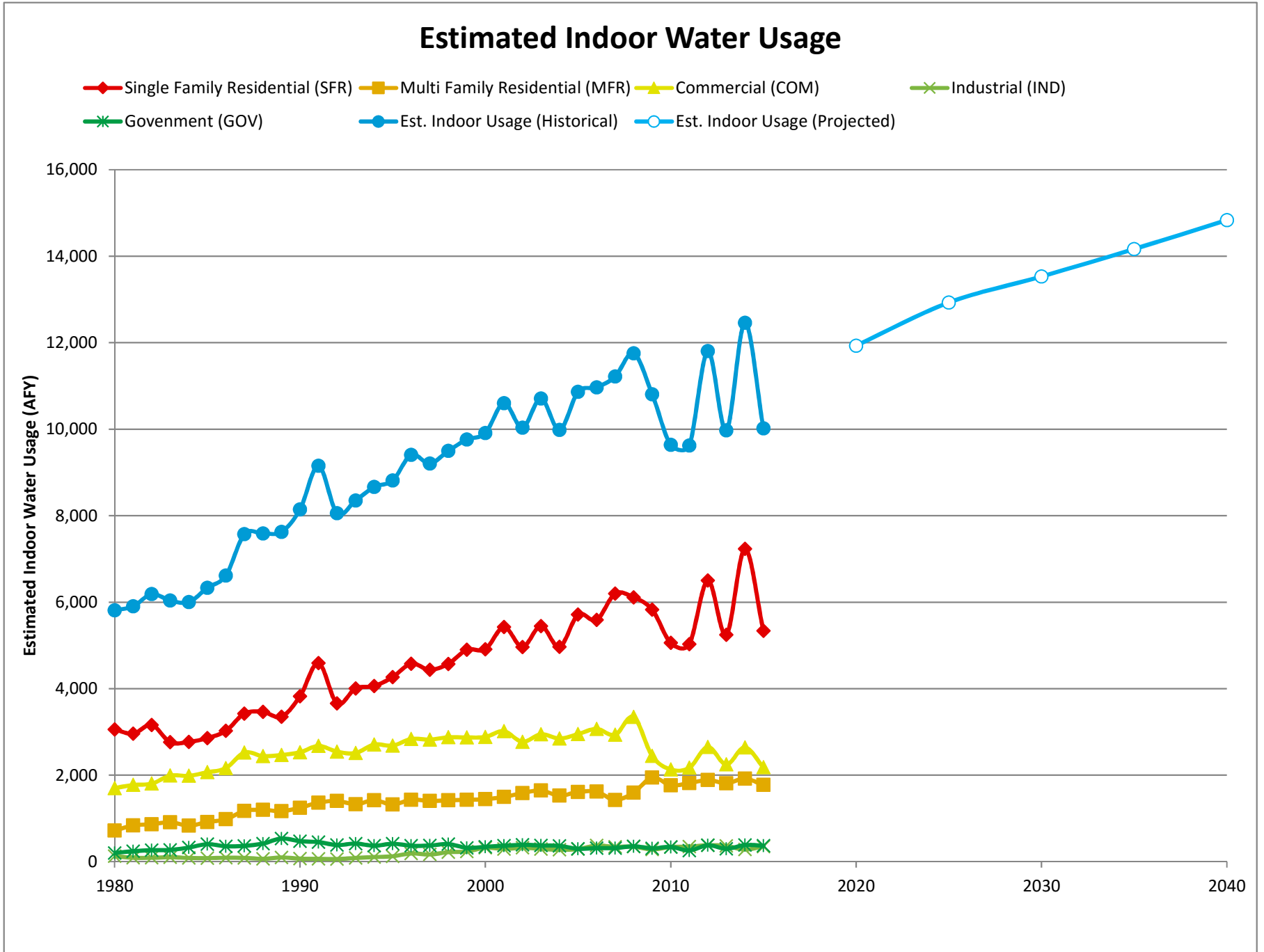


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Groundwater Levels



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California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections

Estimated Indoor/Outdoor Water Usage

Year	Single Family Residential (SFR)								Multi Family Residential (MFR)				Commercial (COM)			
	SFR Jan Usage	Metered SFR Indoor Use (Annualized 90% of January Total)		Indoor Flat Rate Usage (AFY)	Total SFR Indoor Usage			MFR Jan Usage	MFR Indoor Use (Annualized 90% of January Total)			COM Jan Usage	COM Indoor Use (Annualized 90% of January Total)			
		JAN (CCF)	AFY		AF/Serv	AFY	GPD/Serv		%	(CCF)	AFY		GPD/Serv	%	(CCF)	AFY
1980	12,533	311	0.277	2,748	3,059	247	29%	28,984	719	3,137	56%	68,586	1,700	826	64%	
1981	13,526	335	0.262	2,625	2,960	234	27%	33,809	838	3,263	58%	71,550	1,774	822	60%	
1982	15,594	387	0.275	2,774	3,161	245	32%	34,912	866	3,264	62%	72,782	1,805	801	62%	
1983	15,347	381	0.238	2,382	2,762	212	27%	36,766	912	3,252	65%	80,255	1,990	853	64%	
1984	17,398	431	0.233	2,339	2,770	208	24%	33,606	833	2,701	54%	80,083	1,986	794	58%	
1985	19,160	475	0.235	2,383	2,858	210	24%	37,039	918	2,685	52%	83,403	2,068	789	56%	
1986	20,962	520	0.243	2,505	3,025	217	25%	39,570	981	2,687	52%	87,252	2,163	792	56%	
1987	24,496	607	0.267	2,816	3,424	239	25%	47,349	1,174	3,157	57%	101,659	2,520	886	61%	
1988	25,805	640	0.260	2,825	3,465	232	26%	48,348	1,199	3,121	56%	98,492	2,442	854	56%	
1989	26,586	659	0.238	2,694	3,354	213	27%	47,167	1,169	3,006	58%	99,523	2,468	846	57%	
1990	32,104	796	0.260	3,027	3,823	232	27%	50,311	1,247	3,085	56%	102,036	2,530	854	54%	
1991	40,937	1,015	0.300	3,578	4,593	268	35%	55,020	1,364	2,990	60%	107,913	2,676	890	58%	
1992	35,595	883	0.232	2,776	3,658	207	27%	56,694	1,406	2,991	58%	102,587	2,543	839	53%	
1993	43,002	1,066	0.247	2,939	4,005	221	31%	53,564	1,328	2,817	55%	101,350	2,513	816	53%	
1994	47,842	1,186	0.243	2,875	4,061	217	28%	57,290	1,420	3,014	58%	109,226	2,708	860	53%	
1995	53,408	1,324	0.251	2,944	4,269	224	32%	53,377	1,323	2,820	56%	108,201	2,683	846	52%	
1996	60,445	1,499	0.265	3,080	4,578	236	32%	57,756	1,432	3,066	58%	114,456	2,838	886	53%	
1997	61,348	1,521	0.252	2,916	4,437	225	30%	56,647	1,404	3,008	56%	113,855	2,823	877	52%	
1998	66,229	1,642	0.255	2,931	4,573	227	36%	57,303	1,421	3,017	63%	116,016	2,876	885	57%	
1999	75,104	1,862	0.265	3,039	4,901	237	33%	57,634	1,429	3,045	59%	115,831	2,872	874	52%	
2000	79,137	1,962	0.258	2,950	4,912	230	31%	58,260	1,444	3,076	59%	116,351	2,885	866	52%	
2001	90,495	2,244	0.279	3,181	5,425	249	33%	60,354	1,496	3,167	58%	121,660	3,016	910	53%	
2002	85,886	2,129	0.248	2,835	4,965	221	29%	63,988	1,586	3,309	57%	111,763	2,771	820	49%	
2003	98,258	2,436	0.266	3,011	5,447	237	33%	66,359	1,645	3,434	63%	118,850	2,947	856	53%	
2004	94,206	2,336	0.234	2,630	4,965	209	26%	61,550	1,526	3,201	55%	114,863	2,848	810	49%	
2005	111,998	2,777	0.262	2,935	5,712	234	32%	64,953	1,610	3,376	62%	118,995	2,950	818	52%	
2006	112,836	2,798	0.252	2,791	5,589	225	32%	65,320	1,620	3,411	61%	123,822	3,070	841	52%	
2007	129,362	3,207	0.275	2,989	6,197	245	34%	57,586	1,428	3,012	53%	118,345	2,934	791	50%	
2008	129,911	3,221	0.268	2,887	6,108	240	34%	64,444	1,598	2,408	53%	134,916	3,345	949	58%	
2009	131,969	3,272	0.256	2,555	5,827	228	34%	78,417	1,944	2,180	63%	98,512	2,442	729	49%	
2010	127,969	3,173	0.220	1,886	5,058	197	33%	71,283	1,767	1,908	61%	85,985	2,132	635	46%	
2011	140,797	3,491	0.217	1,538	5,029	194	34%	73,238	1,816	1,868	62%	87,606	2,172	647	48%	
2012	205,322	5,091	0.280	1,413	6,504	250	43%	76,170	1,889	1,910	60%	106,871	2,650	788	53%	
2013	185,286	4,594	0.224	652	5,245	200	34%	73,172	1,814	1,793	57%	90,654	2,248	672	45%	
2014	280,984	6,967	0.303	268	7,235	270	58%	77,464	1,921	1,855	65%	106,535	2,641	789	57%	
2015	215,271	5,337	0.222	0	5,337	199	55%	71,567	1,774	1,671	71%	88,058	2,183	655	59%	
2016					6,123	222			1,959	1,819			2,387	710		
2017					6,267	222			1,987	1,819			2,407	710		
2018					6,412	222			2,016	1,819			2,427	710		
2019					6,557	222			2,045	1,819			2,448	710		
2020					6,702	222			2,074	1,819			2,468	710		
2025					7,439	222			2,227	1,819			2,573	710		
2030					7,764	222			2,391	1,819			2,682	710		
2035					8,105	222			2,567	1,819			2,796	710		
2040					8,463	222			2,756	1,819			2,915	710		

Note: GPD/Service is estimated as the average of the last 5 years for given customer class.

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California Water Service Company - Chico-Hamilton City District
Water Supply and Demand Analysis and Projections

Estimated Indoor/Outdoor Water Usage

Year	Industrial (IND)				Government (GOV)			
	IND Jan Usage	IND Indoor Use (Annualized 90% of January Total)			GOV Jan Usage	GOV Indoor Use (Annualized 90% of January Total)		
	(CCF)	AFY	GPD/Serv	%	(CCF)	AFY	GPD/Serv	%
1980	5,217	129	4,016	97%	8,163	202	914	29%
1981	3,640	90	2,592	55%	9,768	242	1,085	31%
1982	3,618	90	2,542	73%	10,705	265	1,206	35%
1983	4,193	104	2,946	85%	11,002	273	1,202	38%
1984	3,456	86	2,324	61%	13,194	327	1,390	36%
1985	3,319	82	2,114	68%	16,313	404	1,683	40%
1986	3,672	91	2,306	74%	14,402	357	1,463	35%
1987	3,520	87	2,226	79%	14,778	366	1,480	36%
1988	2,693	67	1,562	52%	16,870	418	1,657	39%
1989	3,935	98	2,182	75%	21,616	536	2,056	50%
1990	2,817	70	1,524	53%	19,099	474	1,688	44%
1991	2,673	66	1,434	48%	18,285	453	1,619	47%
1992	2,503	62	1,409	45%	15,538	385	1,285	40%
1993	3,450	86	1,996	56%	16,886	419	1,377	45%
1994	4,263	106	2,409	54%	14,900	369	1,213	35%
1995	5,061	125	2,974	61%	16,708	414	1,382	44%
1996	7,678	190	4,604	78%	14,899	369	1,228	38%
1997	6,735	167	4,011	60%	15,066	374	1,200	36%
1998	8,868	220	5,188	71%	16,453	408	1,310	47%
1999	9,568	237	5,585	68%	12,922	320	1,034	32%
2000	12,959	321	7,666	82%	13,972	346	1,053	33%
2001	11,906	295	7,565	73%	14,898	369	960	29%
2002	12,987	322	8,292	82%	15,751	391	1,014	32%
2003	11,906	295	7,406	76%	15,097	374	971	33%
2004	11,090	275	6,819	68%	14,798	367	963	32%
2005	11,745	291	7,375	69%	12,041	299	778	30%
2006	15,049	373	9,361	83%	12,694	315	824	30%
2007	13,820	343	8,497	77%	12,694	315	835	32%
2008	14,048	348	10,365	80%	14,330	355	792	30%
2009	11,413	283	10,562	68%	12,490	310	608	26%
2010	13,692	339	13,035	81%	13,745	341	662	34%
2011	14,005	347	13,777	82%	10,463	259	498	27%
2012	15,409	382	13,597	88%	15,276	379	727	33%
2013	14,706	365	12,361	74%	12,087	300	568	26%
2014	11,302	280	9,622	64%	15,502	384	802	37%
2015	14,201	352	12,089	89%	14,945	371	764	45%
2016		358	12,289			326	672	
2017		358	12,289			327	672	
2018		358	12,289			327	672	
2019		358	12,289			328	672	
2020		358	12,289			329	672	
2025		358	12,289			331	672	
2030		358	12,289			334	672	
2035		358	12,289			337	672	
2040		358	12,289			340	672	

Estimated Indoor/Outdoor Usage			
Est. Indoor Usage	Est. Outdoor Usage	Est. Indoor Usage	Est. Outdoor Usage
AFY	AFY	%	%
5,810	10,823	35%	65%
5,905	12,098	33%	67%
6,186	10,276	38%	62%
6,040	10,838	36%	64%
6,002	13,387	31%	69%
6,331	14,055	31%	69%
6,618	13,808	32%	68%
7,572	15,022	34%	66%
7,591	15,410	33%	67%
7,624	13,988	35%	65%
8,143	15,973	34%	66%
9,152	13,891	40%	60%
8,054	15,933	34%	66%
8,351	14,803	36%	64%
8,664	8,668	34%	66%
8,814	15,304	37%	63%
9,408	15,930	37%	63%
9,205	16,775	35%	65%
9,498	13,434	41%	59%
9,759	16,510	37%	63%
9,909	17,392	36%	64%
10,602	18,087	37%	63%
10,035	19,626	34%	66%
10,708	17,865	37%	63%
9,981	21,548	32%	68%
10,862	19,129	36%	64%
10,966	18,931	37%	63%
11,216	19,410	37%	63%
11,755	19,215	38%	62%
10,806	18,621	37%	63%
9,638	16,934	36%	64%
9,623	16,205	37%	63%
11,803	15,155	44%	56%
9,972	17,474	36%	64%
12,461	11,083	53%	47%
10,018	8,209	55%	45%
11,154	19,878	36%	64%
11,347	20,264	36%	64%
11,540	20,653	36%	64%
11,735	21,042	36%	64%
11,931	21,434	36%	64%
12,928	23,422	36%	64%
13,529	24,460	36%	64%
14,163	25,552	36%	64%
14,833	26,701	36%	64%

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