

Water Resources Planning Department

**Projection Analysis Work Sheets
for
Mid-Peninsula District (Combined)**

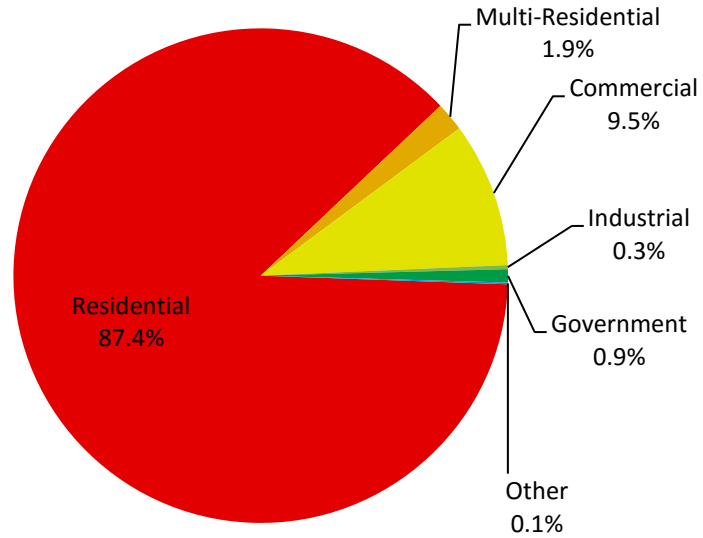
2015



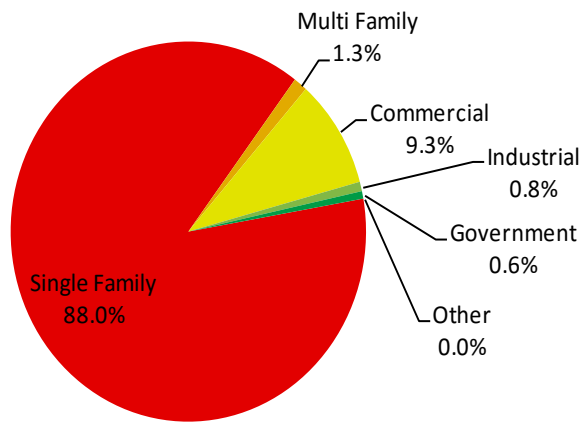
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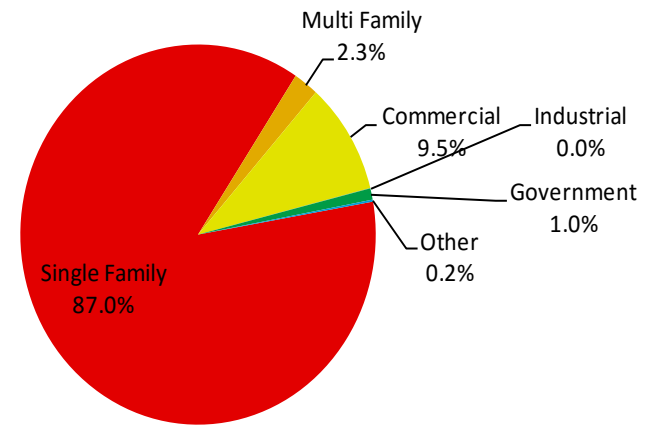
Distribution of Services (combined) (2015)



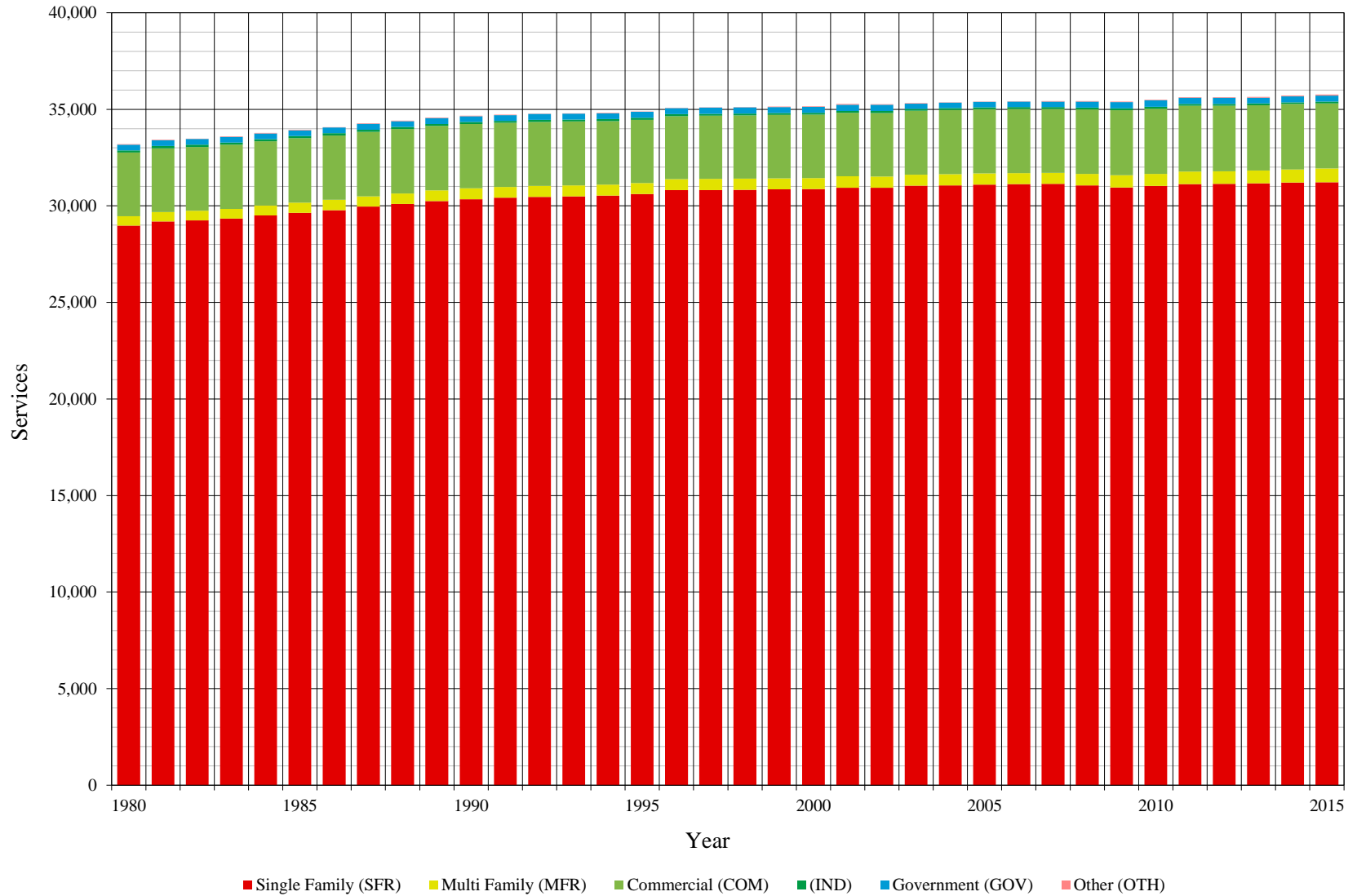
San Carlos (2015)



San Mateo (2015)



Historical Services (combined)



California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Average Annual Services

Worksheet 1

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total	Annual Change
1980	28,973	491	3,292	119	292	23	33,191	
1981	29,191	495	3,299	117	294	25	33,420	230
1982	29,247	506	3,300	115	294	20	33,483	63
1983	29,339	510	3,314	115	297	21	33,595	112
1984	29,507	510	3,323	111	300	21	33,772	177
1985	29,644	523	3,336	110	301	23	33,936	164
1986	29,780	530	3,337	111	300	22	34,080	143
1987	29,961	535	3,336	111	303	28	34,273	194
1988	30,094	548	3,336	106	304	25	34,414	141
1989	30,250	556	3,332	106	306	25	34,574	160
1990	30,346	560	3,328	105	305	20	34,663	89
1991	30,420	564	3,314	103	301	22	34,725	62
1992	30,467	565	3,316	102	310	20	34,780	54
1993	30,495	570	3,305	100	308	15	34,793	14
1994	30,535	571	3,282	100	308	17	34,814	20
1995	30,608	573	3,276	101	310	17	34,886	72
1996	30,810	573	3,264	101	315	16	35,079	193
1997	30,818	574	3,278	100	315	20	35,103	25
1998	30,836	575	3,271	99	314	19	35,115	11
1999	30,853	576	3,276	100	315	21	35,140	25
2000	30,863	576	3,279	100	315	19	35,152	13
2001	30,943	583	3,289	102	327	34	35,278	126
2002	30,934	581	3,293	102	327	31	35,267	-11
2003	31,043	577	3,300	99	278	24	35,322	55
2004	31,065	579	3,320	98	278	25	35,365	43
2005	31,107	579	3,318	98	278	24	35,404	40
2006	31,128	573	3,317	98	280	20	35,416	12
2007	31,139	571	3,313	98	282	28	35,430	14
2008	31,060	600	3,336	96	311	27	35,430	0
2009	30,955	628	3,365	94	335	24	35,401	-29
2010	31,028	630	3,382	93	333	28	35,494	93
2011	31,128	644	3,408	95	331	31	35,636	142
2012	31,146	648	3,391	94	318	31	35,629	-7
2013	31,170	660	3,382	94	304	38	35,647	18
2014	31,211	677	3,384	94	307	40	35,713	66
2015	31,222	715	3,370	93	314	45	35,759	46
5 Yr Avg.	31,175	669	3,387	94	315	37	35,503	80
10 Yr Avg.	31,119	635	3,365	95	311	31	35,503	48
15 Yr Avg.	31,085	616	3,344	96	307	30	35,503	52
20 Yr Avg.	31,023	606	3,327	97	309	27	35,503	56

California Water Service Company - Mid-Peninsula District (Combined)

Worksheet 2

Water Supply and Demand Analysis and Projections

Service Growth Percentage

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total
1981	0.75%	0.73%	0.19%	-1.40%	0.77%	6.86%	0.69%
1982	0.19%	2.24%	0.05%	-1.71%	0.03%	-17.57%	0.19%
1983	0.31%	0.79%	0.42%	-0.07%	0.85%	0.82%	0.33%
1984	0.57%	0.10%	0.26%	-3.40%	1.01%	4.47%	0.53%
1985	0.47%	2.50%	0.38%	-0.82%	0.42%	5.06%	0.49%
1986	0.46%	1.27%	0.05%	0.38%	-0.47%	-1.11%	0.42%
1987	0.60%	1.02%	-0.03%	0.45%	1.06%	24.34%	0.57%
1988	0.44%	2.45%	0.00%	-4.49%	0.58%	-8.43%	0.41%
1989	0.52%	1.34%	-0.13%	-0.24%	0.60%	-0.99%	0.46%
1990	0.32%	0.84%	-0.13%	-0.79%	-0.38%	-21.26%	0.26%
1991	0.25%	0.64%	-0.39%	-1.66%	-1.23%	11.81%	0.18%
1992	0.15%	0.30%	0.04%	-1.13%	2.71%	-8.68%	0.16%
1993	0.09%	0.87%	-0.34%	-1.79%	-0.35%	-26.03%	0.04%
1994	0.13%	0.16%	-0.68%	0.00%	-0.30%	16.76%	0.06%
1995	0.24%	0.29%	-0.20%	0.91%	0.92%	-0.96%	0.21%
1996	0.66%	0.06%	-0.35%	-0.16%	1.37%	-9.18%	0.55%
1997	0.02%	0.15%	0.41%	-1.15%	0.03%	24.47%	0.07%
1998	0.06%	0.19%	-0.20%	-0.58%	-0.16%	-3.42%	0.03%
1999	0.05%	0.06%	0.14%	0.84%	0.21%	10.62%	0.07%
2000	0.04%	0.09%	0.09%	-0.08%	0.05%	-8.00%	0.04%
2001	0.26%	1.22%	0.30%	1.66%	3.92%	77.39%	0.36%
2002	-0.03%	-0.29%	0.13%	-0.08%	-0.25%	-8.58%	-0.03%
2003	0.36%	-0.80%	0.22%	-2.38%	-14.73%	-22.25%	0.16%
2004	0.07%	0.39%	0.60%	-1.09%	-0.18%	3.45%	0.12%
2005	0.13%	0.00%	-0.04%	-0.25%	0.15%	-4.33%	0.11%
2006	0.07%	-1.07%	-0.04%	0.00%	0.66%	-15.33%	0.03%
2007	0.04%	-0.39%	-0.12%	-0.51%	0.54%	37.86%	0.04%
2008	-0.25%	5.13%	0.69%	-1.11%	10.24%	-2.99%	0.00%
2009	-0.34%	4.65%	0.88%	-2.25%	7.76%	-12.31%	-0.08%
2010	0.24%	0.41%	0.49%	-1.24%	-0.52%	16.49%	0.26%
2011	0.32%	2.22%	0.77%	1.52%	-0.63%	10.54%	0.40%
2012	0.06%	0.62%	-0.48%	-0.62%	-3.83%	2.72%	-0.02%
2013	0.08%	1.79%	-0.29%	-0.44%	-4.56%	20.42%	0.05%
2014	0.13%	2.60%	0.06%	0.53%	1.26%	4.41%	0.19%
2015	0.04%	5.59%	-0.40%	-1.06%	1.98%	14.77%	0.13%
5 Yr. Avg.	0.13%	2.56%	-0.07%	-0.01%	-1.16%	10.57%	0.150%
10 Yr. Avg.	0.04%	2.16%	0.16%	-0.52%	1.29%	7.66%	0.10%
15 Yr. Avg.	0.08%	1.47%	0.18%	-0.49%	0.12%	8.15%	0.11%
20 Yr. Avg.	0.10%	1.13%	0.14%	-0.42%	0.17%	6.84%	0.12%

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California Water Service Company - Mid-Peninsula District (SC)
Water Supply and Demand Analysis and Projections
Average Annual Services

Worksheet 1a

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total	Annual Change
1980	7,954	92	931	105	62	11	9,155	
1981	8,080	93	931	103	63	9	9,278	123
1982	8,134	94	936	101	62	5	9,332	54
1983	8,158	95	939	100	62	5	9,359	27
1984	8,236	95	943	97	64	6	9,441	82
1985	8,304	96	949	96	64	8	9,515	74
1986	8,364	97	950	97	62	8	9,576	61
1987	8,461	98	949	97	61	11	9,676	100
1988	8,527	99	955	95	56	10	9,742	65
1989	8,660	101	959	94	56	8	9,879	137
1990	8,724	101	963	93	56	8	9,945	67
1991	8,766	101	958	93	58	12	9,987	42
1992	8,782	101	957	92	60	10	10,001	14
1993	8,791	101	949	90	59	10	10,000	-1
1994	8,803	101	943	90	58	11	10,006	6
1995	8,839	101	940	91	58	9	10,039	33
1996	9,025	102	935	91	60	6	10,219	180
1997	9,037	102	938	90	60	11	10,236	17
1998	9,055	103	931	89	59	10	10,248	11
1999	9,072	104	936	90	60	12	10,273	25
2000	9,082	104	939	90	60	10	10,285	13
2001	9,101	105	941	92	63	17	10,320	34
2002	9,089	105	942	91	64	14	10,306	-14
2003	9,112	104	943	89	55	10	10,314	9
2004	9,109	105	948	88	56	9	10,315	1
2005	9,112	105	947	87	57	7	10,317	1
2006	9,109	104	946	87	59	5	10,311	-6
2007	9,106	104	944	87	60	5	10,306	-5
2008	9,095	111	944	86	66	4	10,306	1
2009	9,063	117	950	85	73	4	10,292	-14
2010	9,081	118	957	84	67	4	10,311	19
2011	9,110	121	966	85	68	2	10,352	42
2012	9,120	123	964	85	67	2	10,361	8
2013	9,126	125	960	84	65	0	10,360	0
2014	9,137	126	960	85	66	0	10,374	14
2015	9,141	131	960	84	67	0	10,384	10
5 Yr Avg.	9,127	125	962	85	67	1	10,321	21
10 Yr Avg.	9,109	118	955	85	66	3	10,321	14
15 Yr Avg.	9,108	114	952	87	64	6	10,321	14
20 Yr Avg.	9,094	111	948	87	63	7	10,321	27

California Water Service Company - Mid-Peninsula District (SC)
Water Supply and Demand Analysis and Projections
Service Growth Percentage

Worksheet 2a

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total
1981	1.58%	0.72%	-0.04%	-1.20%	1.48%	-22.14%	1.35%
1982	0.67%	1.35%	0.63%	-2.10%	-1.20%	-42.16%	0.59%
1983	0.29%	0.98%	0.31%	-0.91%	0.67%	1.69%	0.29%
1984	0.97%	0.09%	0.39%	-3.33%	2.94%	20.00%	0.88%
1985	0.82%	0.61%	0.59%	-1.12%	-0.52%	26.39%	0.78%
1986	0.72%	1.48%	0.13%	0.96%	-3.78%	-1.10%	0.64%
1987	1.17%	0.77%	-0.10%	0.60%	-1.49%	41.11%	1.05%
1988	0.77%	1.79%	0.60%	-2.74%	-6.88%	-9.45%	0.67%
1989	1.57%	1.09%	0.50%	-0.70%	-0.15%	-17.39%	1.41%
1990	0.73%	0.33%	0.39%	-0.89%	-0.15%	5.26%	0.68%
1991	0.49%	0.17%	-0.54%	-0.36%	2.81%	38.00%	0.42%
1992	0.18%	0.00%	-0.15%	-0.63%	4.03%	-16.67%	0.14%
1993	0.11%	0.00%	-0.74%	-1.99%	-2.63%	0.87%	-0.01%
1994	0.13%	0.00%	-0.70%	0.00%	-1.00%	18.10%	0.06%
1995	0.42%	0.17%	-0.34%	0.92%	0.00%	-18.98%	0.33%
1996	2.10%	0.82%	-0.48%	-0.09%	3.30%	-34.23%	1.80%
1997	0.13%	0.08%	0.27%	-1.28%	-0.42%	72.60%	0.17%
1998	0.20%	1.06%	-0.69%	-0.65%	-0.84%	-6.35%	0.11%
1999	0.18%	0.32%	0.50%	0.93%	1.13%	20.34%	0.25%
2000	0.12%	0.48%	0.31%	-0.09%	0.28%	-14.08%	0.12%
2001	0.21%	1.29%	0.29%	1.53%	4.92%	66.76%	0.33%
2002	-0.13%	-0.15%	0.06%	-0.29%	1.52%	-17.64%	-0.14%
2003	0.25%	-0.67%	0.14%	-2.58%	-13.23%	-31.19%	0.08%
2004	-0.03%	0.52%	0.53%	-1.30%	1.54%	-9.59%	0.01%
2005	0.03%	0.13%	-0.11%	-0.46%	1.85%	-18.10%	0.01%
2006	-0.03%	-0.93%	-0.12%	-0.21%	2.33%	-29.55%	-0.06%
2007	-0.04%	-0.53%	-0.23%	-0.70%	1.94%	7.56%	-0.05%
2008	-0.12%	6.80%	0.03%	-0.56%	10.86%	-28.50%	0.01%
2009	-0.35%	6.08%	0.62%	-1.05%	9.53%	-7.09%	-0.14%
2010	0.20%	0.84%	0.69%	-1.35%	-7.59%	0.05%	0.18%
2011	0.31%	2.57%	1.02%	1.51%	1.40%	-51.16%	0.40%
2012	0.12%	0.93%	-0.22%	-0.67%	-1.63%	4.62%	0.08%
2013	0.06%	1.58%	-0.44%	-0.51%	-2.61%	-95.02%	0.00%
2014	0.12%	1.18%	-0.02%	0.59%	1.15%	-100.00%	0.13%
2015	0.04%	4.14%	0.04%	-1.19%	2.26%		0.09%
5 Yr. Avg.	0.13%	1.57%	0.08%	-0.05%	0.11%	-48.30%	0.140%
10 Yr. Avg.	0.03%	0.81%	0.14%	-0.41%	1.76%	-31.72%	0.06%
15 Yr. Avg.	0.04%	0.56%	0.15%	-0.48%	0.95%	-21.53%	0.06%
20 Yr. Avg.	0.17%	0.56%	0.11%	-0.42%	0.88%	-14.48%	0.17%

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California Water Service Company - Mid-Peninsula District (SM)
Water Supply and Demand Analysis and Projections
Average Annual Services

Worksheet 1b

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total	Annual Change
1980	21,019	399	2,361	14	230	12	24,036	
1981	21,111	402	2,368	14	231	16	24,143	106
1982	21,113	412	2,364	14	232	15	24,151	8
1983	21,181	415	2,375	15	234	16	24,236	85
1984	21,270	415	2,380	14	235	15	24,331	95
1985	21,340	428	2,387	15	237	15	24,421	90
1986	21,417	433	2,387	14	238	15	24,504	83
1987	21,499	437	2,387	14	242	17	24,597	94
1988	21,567	449	2,382	12	248	16	24,673	76
1989	21,589	455	2,372	12	250	17	24,696	23
1990	21,622	459	2,364	12	249	11	24,718	22
1991	21,654	463	2,357	11	244	11	24,738	20
1992	21,685	464	2,359	10	249	11	24,778	40
1993	21,704	469	2,355	10	250	5	24,793	15
1994	21,733	470	2,339	10	250	6	24,808	15
1995	21,769	472	2,336	10	252	8	24,847	39
1996	21,785	471	2,329	10	255	10	24,860	13
1997	21,781	472	2,340	10	255	9	24,867	7
1998	21,781	472	2,340	10	255	9	24,867	0
1999	21,781	472	2,340	10	255	9	24,867	0
2000	21,781	472	2,340	10	255	9	24,867	0
2001	21,842	478	2,347	10	264	17	24,958	91
2002	21,844	476	2,351	10	263	17	24,961	3
2003	21,931	472	2,357	10	223	15	25,008	46
2004	21,955	474	2,371	10	222	16	25,049	41
2005	21,994	474	2,371	11	221	17	25,087	38
2006	22,018	469	2,371	11	221	15	25,105	18
2007	22,033	467	2,369	11	222	23	25,124	19
2008	21,965	489	2,392	10	244	23	25,124	0
2009	21,892	510	2,415	9	262	20	25,109	-15
2010	21,947	512	2,425	9	266	24	25,183	74
2011	22,019	523	2,441	9	263	29	25,284	101
2012	22,025	526	2,427	9	251	30	25,268	-15
2013	22,044	535	2,422	9	238	38	25,286	18
2014	22,074	551	2,424	9	241	40	25,339	52
2015	22,081	584	2,410	9	246	45	25,375	37
5 Yr Avg.	22,049	544	2,425	9	248	36	25,182	61
10 Yr Avg.	22,010	517	2,410	10	245	29	25,182	46
15 Yr Avg.	21,978	503	2,393	10	243	25	25,182	46
20 Yr Avg.	21,929	495	2,379	10	246	21	25,182	40

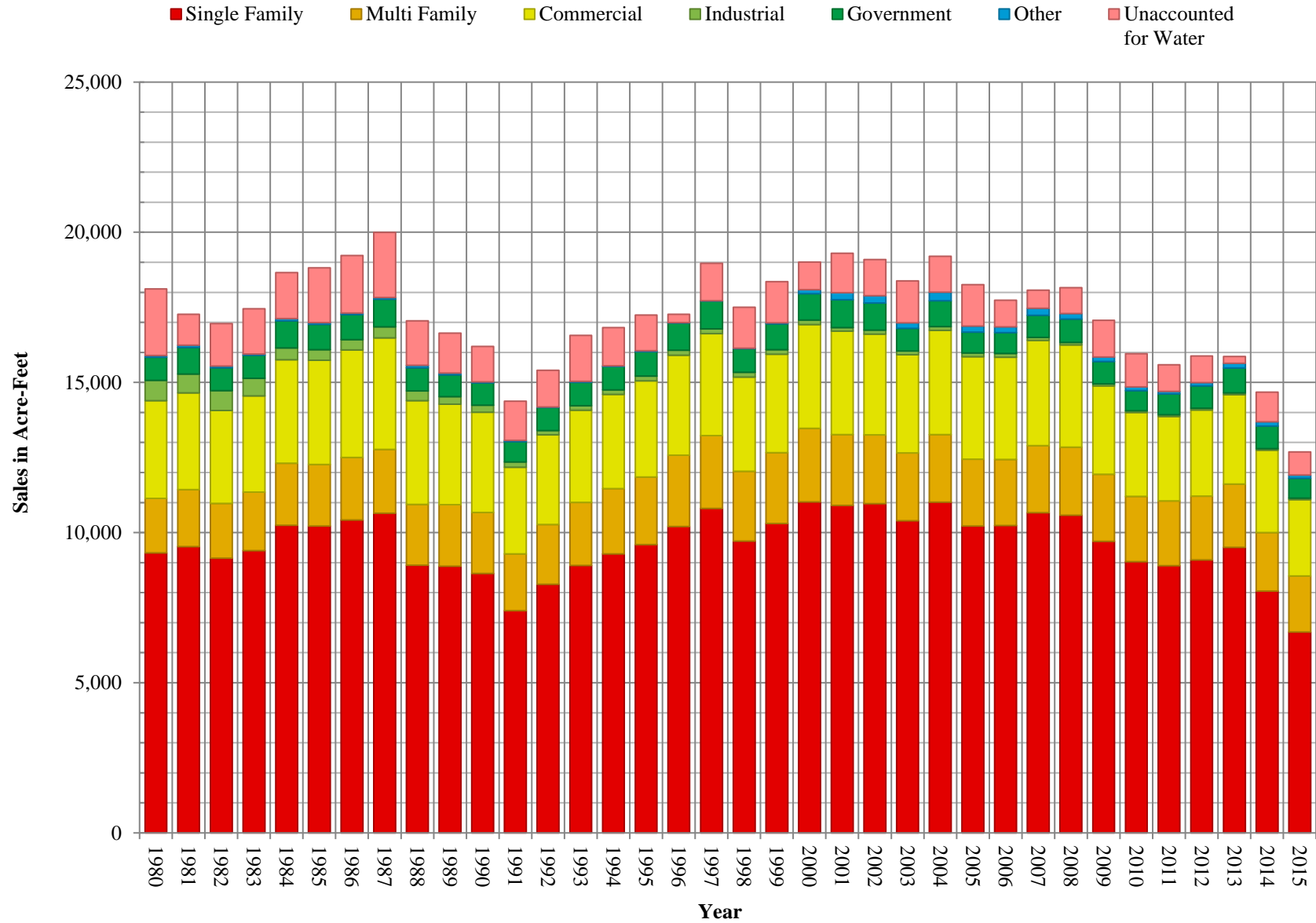
California Water Service Company - Mid-Peninsula District (SM)
Water Supply and Demand Analysis and Projections
Service Growth Percentage

Worksheet 2b

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Total
1981	0.44%	0.73%	0.29%	-2.91%	0.58%	32.88%	0.44%
1982	0.01%	2.45%	-0.18%	1.20%	0.36%	-4.64%	0.03%
1983	0.32%	0.75%	0.47%	5.92%	0.90%	0.54%	0.35%
1984	0.42%	0.10%	0.21%	-3.91%	0.50%	-0.54%	0.39%
1985	0.33%	2.93%	0.29%	1.16%	0.67%	-3.24%	0.37%
1986	0.36%	1.23%	0.01%	-3.45%	0.42%	-1.12%	0.34%
1987	0.39%	1.08%	-0.01%	-0.60%	1.72%	15.82%	0.38%
1988	0.31%	2.59%	-0.24%	-16.77%	2.44%	-7.80%	0.31%
1989	0.10%	1.39%	-0.38%	3.60%	0.77%	8.99%	0.09%
1990	0.15%	0.95%	-0.34%	0.00%	-0.43%	-33.50%	0.09%
1991	0.15%	0.74%	-0.33%	-11.81%	-2.14%	-7.30%	0.08%
1992	0.14%	0.36%	0.11%	-5.51%	2.40%	0.00%	0.16%
1993	0.09%	1.06%	-0.17%	0.00%	0.20%	-50.39%	0.06%
1994	0.13%	0.20%	-0.67%	0.00%	-0.13%	14.29%	0.06%
1995	0.17%	0.32%	-0.14%	0.83%	1.14%	33.33%	0.16%
1996	0.08%	-0.11%	-0.30%	-0.83%	0.92%	19.79%	0.05%
1997	-0.02%	0.16%	0.47%	0.00%	0.13%	-6.09%	0.03%
1998	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1999	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2001	0.28%	1.20%	0.31%	2.87%	3.68%	89.40%	0.37%
2002	0.01%	-0.32%	0.16%	1.78%	-0.68%	0.43%	0.01%
2003	0.40%	-0.83%	0.24%	-0.58%	-15.09%	-14.96%	0.19%
2004	0.11%	0.36%	0.63%	0.68%	-0.61%	12.06%	0.17%
2005	0.18%	-0.03%	-0.01%	1.51%	-0.28%	3.00%	0.15%
2006	0.11%	-1.09%	-0.01%	1.73%	0.22%	-9.31%	0.07%
2007	0.07%	-0.36%	-0.08%	1.03%	0.16%	47.83%	0.08%
2008	-0.31%	4.75%	0.96%	-5.49%	10.07%	3.12%	0.00%
2009	-0.33%	4.33%	0.99%	-12.25%	7.27%	-13.17%	-0.06%
2010	0.25%	0.31%	0.41%	-0.21%	1.44%	19.41%	0.30%
2011	0.33%	2.14%	0.67%	1.62%	-1.14%	19.72%	0.40%
2012	0.03%	0.55%	-0.58%	-0.17%	-4.40%	2.61%	-0.06%
2013	0.08%	1.84%	-0.23%	0.19%	-5.08%	27.57%	0.07%
2014	0.13%	2.93%	0.09%	-0.01%	1.29%	4.66%	0.21%
2015	0.03%	5.92%	-0.57%	0.12%	1.90%	14.77%	0.14%
5 Yr. Avg.	0.12%	1.87%	-0.12%	0.35%	-1.49%	13.87%	0.152%
10 Yr. Avg.	0.04%	0.90%	0.17%	-1.34%	1.17%	11.72%	0.12%
15 Yr. Avg.	0.09%	0.56%	0.20%	-0.48%	-0.08%	13.81%	0.14%
20 Yr. Avg.	0.07%	0.40%	0.16%	-0.40%	-0.01%	11.04%	0.11%

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Historical Sales (combined)



California Water Service Company - Mid-Peninsula District (Combined)

Worksheet 3

Water Supply and Demand Analysis and Projections

Sales (AF)

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Unaccounted for Water (UAFW)	Total Sales (AF)	Total Demand (AF)	Total Demand (MGal)
1980	9,326	1,812	3,258	673	767	64	2,217	15,900	18,117	5,903
1981	9,533	1,898	3,219	631	885	73	1,025	16,240	17,266	5,626
1982	9,152	1,816	3,099	657	764	59	1,414	15,547	16,961	5,527
1983	9,403	1,948	3,201	587	768	43	1,503	15,949	17,452	5,687
1984	10,244	2,063	3,450	393	903	71	1,537	17,123	18,659	6,080
1985	10,222	2,044	3,473	355	843	56	1,823	16,992	18,815	6,131
1986	10,417	2,085	3,576	349	836	47	1,914	17,308	19,222	6,264
1987	10,644	2,127	3,714	366	923	53	2,172	17,826	19,998	6,516
1988	8,914	2,023	3,456	322	771	84	1,481	15,571	17,052	5,556
1989	8,882	2,044	3,346	257	722	64	1,325	15,314	16,640	5,422
1990	8,635	2,037	3,334	234	741	39	1,174	15,021	16,195	5,277
1991	7,402	1,888	2,885	178	676	38	1,309	13,067	14,376	4,684
1992	8,282	1,986	2,991	137	771	21	1,218	14,187	15,406	5,020
1993	8,908	2,100	3,069	147	781	34	1,524	15,039	16,563	5,397
1994	9,289	2,174	3,137	155	774	23	1,270	15,552	16,822	5,482
1995	9,603	2,244	3,204	157	817	31	1,183	16,057	17,240	5,618
1996	10,199	2,381	3,328	161	909	11	281	16,990	17,271	5,628
1997	10,807	2,425	3,395	158	931	7	1,244	17,723	18,966	6,180
1998	9,716	2,322	3,143	153	790	19	1,357	16,143	17,500	5,702
1999	10,303	2,357	3,278	153	862	29	1,371	16,981	18,353	5,980
2000	11,025	2,448	3,452	155	876	132	917	18,088	19,004	6,193
2001	10,903	2,360	3,444	123	926	231	1,314	17,986	19,300	6,289
2002	10,966	2,293	3,349	134	907	242	1,206	17,890	19,095	6,222
2003	10,396	2,256	3,269	124	754	185	1,399	16,984	18,383	5,990
2004	11,013	2,253	3,471	125	856	287	1,192	18,005	19,197	6,255
2005	10,217	2,230	3,407	126	694	202	1,377	16,876	18,253	5,948
2006	10,238	2,197	3,408	118	701	194	880	16,855	17,735	5,779
2007	10,664	2,229	3,506	102	736	236	594	17,473	18,068	5,887
2008	10,577	2,270	3,400	85	781	184	861	17,297	18,159	5,917
2009	9,706	2,236	2,944	63	750	146	1,223	15,844	17,068	5,562
2010	9,029	2,177	2,795	59	666	122	1,108	14,848	15,956	5,199
2011	8,895	2,162	2,805	60	692	87	887	14,701	15,588	5,079
2012	9,093	2,125	2,865	56	747	110	881	14,996	15,877	5,174
2013	9,507	2,113	2,978	55	831	159	223	15,641	15,864	5,169
2014	8,057	1,945	2,739	50	752	145	987	13,688	14,675	4,782
2015	6,691	1,861	2,549	46.8	656	117	768	11,921	12,689	4,135

California Water Service Company - Mid-Peninsula District (San Carlos)

Worksheet 3a

Water Supply and Demand Analysis and Projections

Sales (AF)

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Unaccounted for Water (UAFW)	Total Sales (AF)	Total Demand (AF)	Total Demand (MGal)
1980	2,470	240	587	640	142	53	265	4,132	4,396	1,433
1981	2,582	251	584	598	144	58	236	4,218	4,454	1,451
1982	2,480	235	584	629	105	39	230	4,072	4,303	1,402
1983	2,526	259	600	557	111	40	269	4,093	4,362	1,421
1984	2,800	264	656	365	123	48	321	4,256	4,577	1,491
1985	2,809	272	673	328	128	47	289	4,255	4,544	1,481
1986	2,879	264	700	326	116	41	349	4,327	4,677	1,524
1987	2,950	257	732	346	130	44	309	4,460	4,768	1,554
1988	2,479	245	734	304	99	40	339	3,902	4,241	1,382
1989	2,477	240	722	242	83	35	274	3,798	4,072	1,327
1990	2,416	240	718	216	74	35	265	3,699	3,964	1,292
1991	2,086	230	588	164	72	26	286	3,166	3,452	1,125
1992	2,336	241	625	125	101	19	327	3,447	3,774	1,230
1993	2,517	248	620	138	98	31	322	3,652	3,974	1,295
1994	2,652	248	636	147	95	22	231	3,800	4,030	1,313
1995	2,766	260	657	148	110	27	261	3,968	4,230	1,378
1996	3,006	281	669	150	122	1	243	4,229	4,472	1,457
1997	3,200	289	700	147	119	3	323	4,458	4,782	1,558
1998	2,859	269	666	143	106	8	296	4,051	4,347	1,416
1999	3,068	279	696	141	112	9	309	4,305	4,614	1,503
2000	3,303	295	685	143	99	23	271	4,549	4,819	1,570
2001	3,282	282	680	114	114	36	285	4,508	4,794	1,562
2002	3,317	272	658	123	121	31	268	4,522	4,791	1,561
2003	3,160	266	639	114	109	19	266	4,306	4,572	1,490
2004	3,363	264	675	115	132	22	257	4,570	4,826	1,573
2005	3,135	259	658	116	114	10	243	4,292	4,535	1,478
2006	3,155	253	655	108	123	5	63	4,300	4,362	1,421
2007	3,305	263	679	94	127	4	95	4,473	4,569	1,489
2008	3,271	280	681	77	139	1	229	4,450	4,679	1,525
2009	2,968	282	612	57	132	1	234	4,051	4,285	1,396
2010	2,769	266	571	54	95	12	240	3,767	4,007	1,306
2011	2,744	276	595	55	98	3	276	3,770	4,047	1,319
2012	2,806	278	594	50	103	5	223	3,836	4,059	1,323
2013	2,961	292	643	48	122	0	303	4,066	4,369	1,424
2014	2,517	254	597	45	111	0	263	3,523	3,786	1,234
2015	2,032	232	522	41.8	89	0	212	2,916	3,128	1,019

California Water Service Company - Mid-Peninsula District (San Mateo)

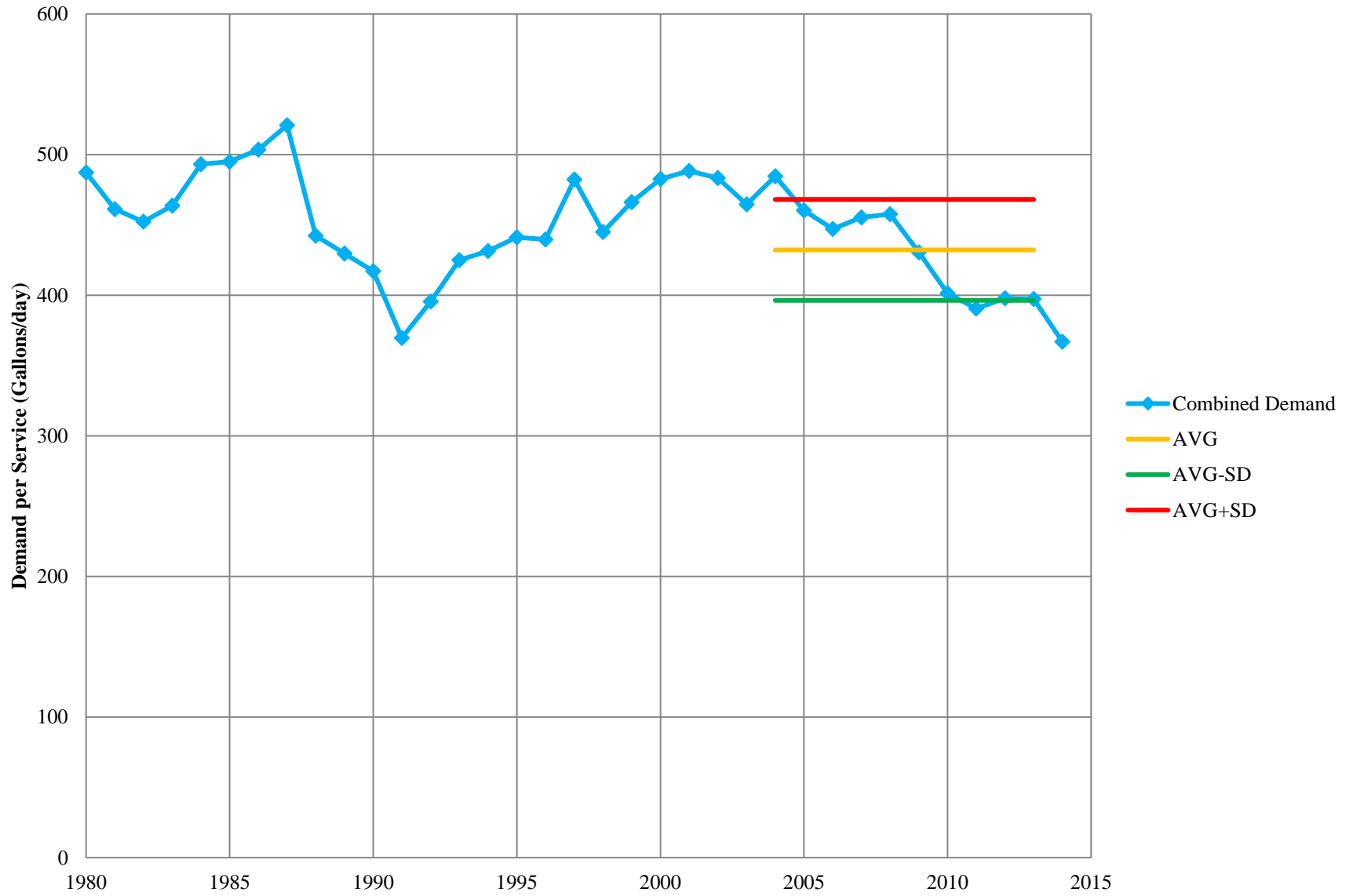
Worksheet 3b

Water Supply and Demand Analysis and Projections

Sales (AF)

Year	Single Family (SFR)	Multi Family (MFR)	Commercial (COM)	Industrial (IND)	Government (GOV)	Other (OTH)	Unaccounted for Water (UAFW)	Total Sales (AF)	Total Demand (AF)	Total Demand (MGal)
1980	6,856	1,572	2,671	33	625	11	1,953	11,768	13,721	4,471
1981	6,951	1,648	2,635	33	741	15	790	12,022	12,812	4,175
1982	6,672	1,581	2,515	29	659	20	1,184	11,475	12,659	4,125
1983	6,877	1,689	2,601	30	657	3	1,234	11,856	13,090	4,265
1984	7,444	1,799	2,794	28	780	23	1,216	12,867	14,083	4,589
1985	7,414	1,772	2,800	27	715	9	1,534	12,737	14,271	4,650
1986	7,537	1,821	2,876	23	719	5	1,565	12,981	14,546	4,740
1987	7,694	1,869	2,981	20	793	9	1,863	13,367	15,230	4,963
1988	6,435	1,777	2,722	18	673	44	1,142	11,669	12,811	4,175
1989	6,405	1,804	2,624	15	639	29	1,051	11,516	12,567	4,095
1990	6,220	1,798	2,616	18	667	4	910	11,322	12,232	3,986
1991	5,317	1,658	2,297	14	604	12	1,023	9,901	10,924	3,560
1992	5,946	1,745	2,366	12	670	2	891	10,740	11,632	3,790
1993	6,390	1,852	2,449	9	684	3	1,202	11,387	12,589	4,102
1994	6,637	1,926	2,502	8	678	2	1,040	11,752	12,792	4,168
1995	6,837	1,984	2,547	10	707	4	922	12,089	13,011	4,239
1996	7,193	2,100	2,660	11	787	10	38	12,761	12,799	4,171
1997	7,606	2,136	2,695	11	812	5	920	13,264	14,185	4,622
1998	6,856	2,053	2,476	11	685	11	1,061	12,092	13,153	4,286
1999	7,235	2,077	2,581	12	751	20	1,063	12,676	13,739	4,477
2000	7,722	2,153	2,767	12	777	108	646	13,539	14,185	4,622
2001	7,620	2,077	2,764	10	812	195	1,028	13,478	14,506	4,727
2002	7,649	2,020	2,691	11	786	211	937	13,368	14,305	4,661
2003	7,236	1,990	2,630	10	645	166	1,134	12,678	13,812	4,501
2004	7,650	1,990	2,796	10	724	265	935	13,435	14,371	4,683
2005	7,083	1,971	2,748	10	579	192	1,134	12,584	13,718	4,470
2006	7,082	1,943	2,753	10	578	189	817	12,555	13,372	4,357
2007	7,358	1,966	2,827	8	609	231	499	13,000	13,499	4,399
2008	7,306	1,990	2,719	8	642	183	632	12,847	13,480	4,392
2009	6,738	1,953	2,332	6	619	145	989	11,794	12,783	4,165
2010	6,259	1,911	2,224	5	571	111	868	11,081	11,948	3,893
2011	6,151	1,886	2,211	5	594	84	610	10,931	11,541	3,761
2012	6,287	1,847	2,271	6	644	105	658	11,160	11,818	3,851
2013	6,546	1,821	2,335	6	709	159	-80	11,575	11,495	3,746
2014	5,540	1,691	2,142	6	642	145	724	10,166	10,890	3,548
2015	4,659	1,629	2,027	4.9	567	117	556	9,004	9,560	3,115

Demand per Service (combined)



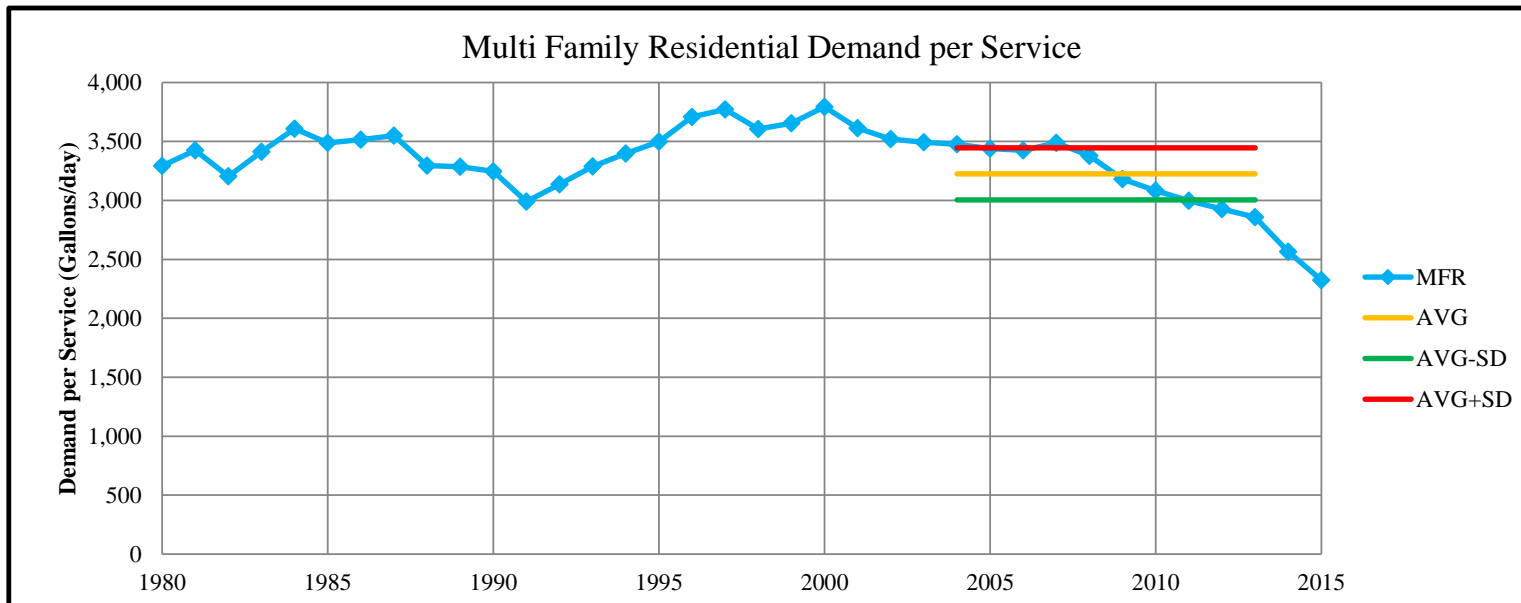
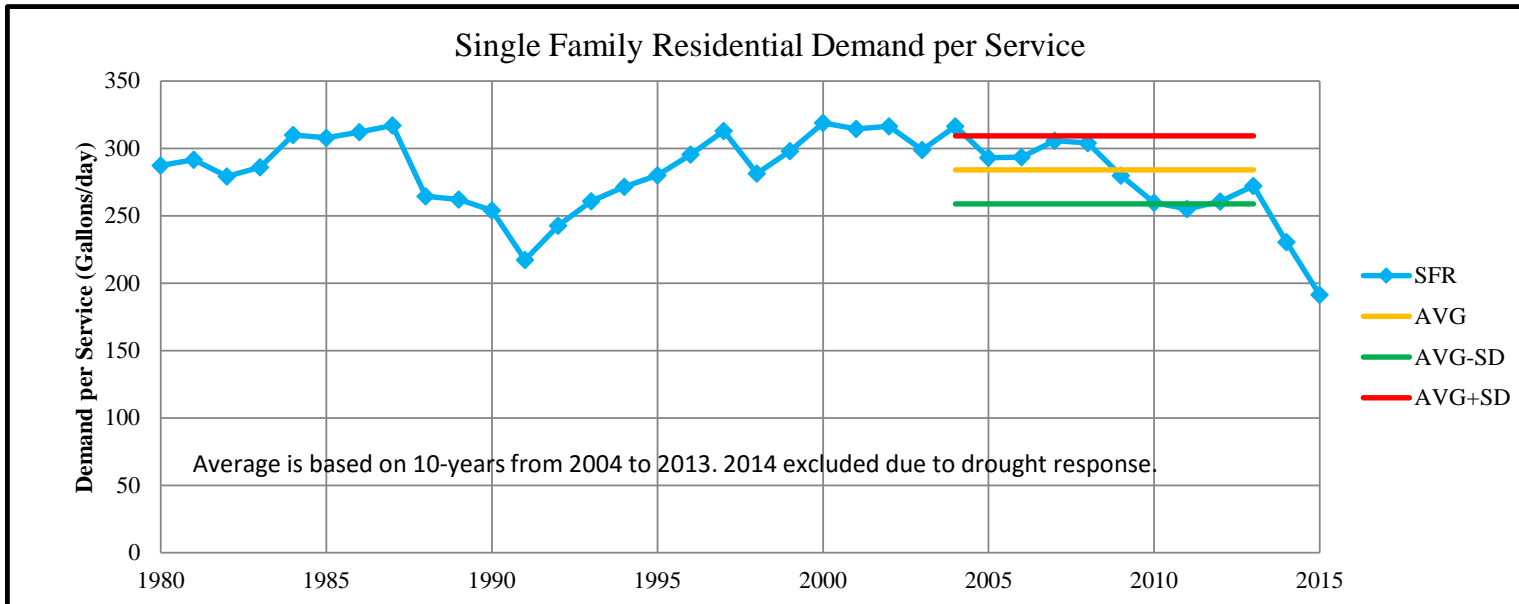
California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)

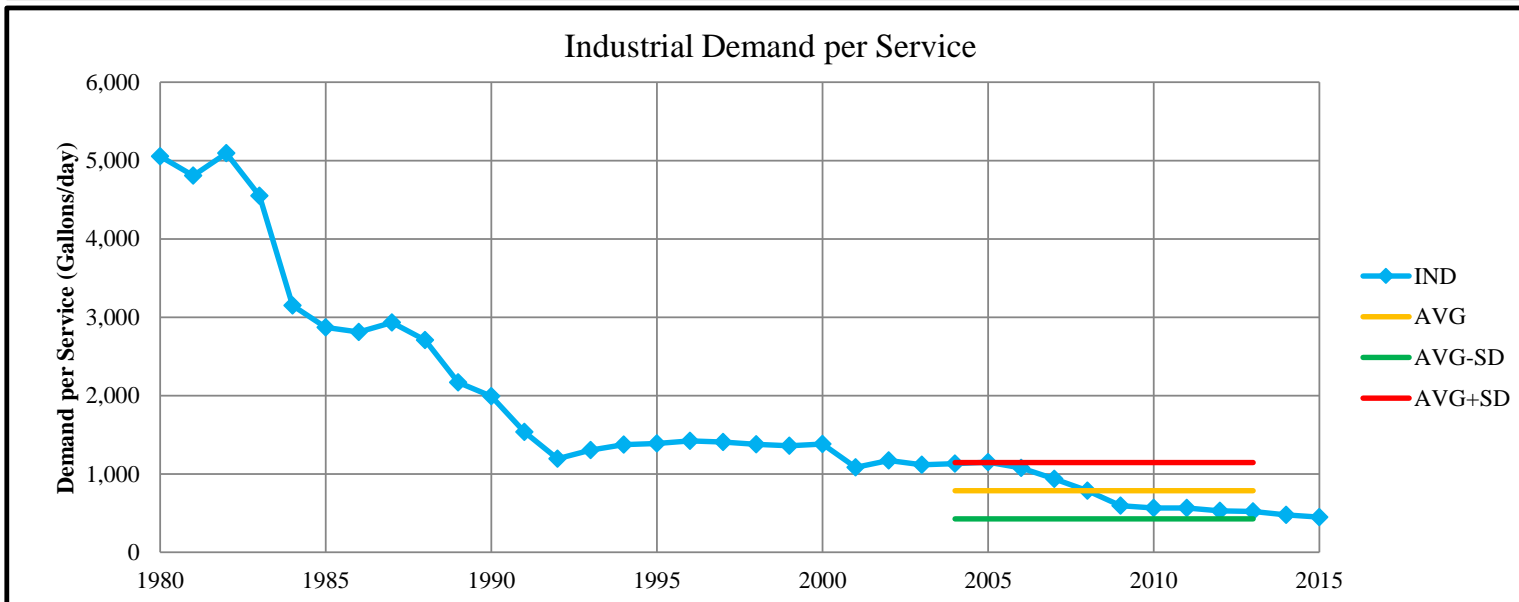
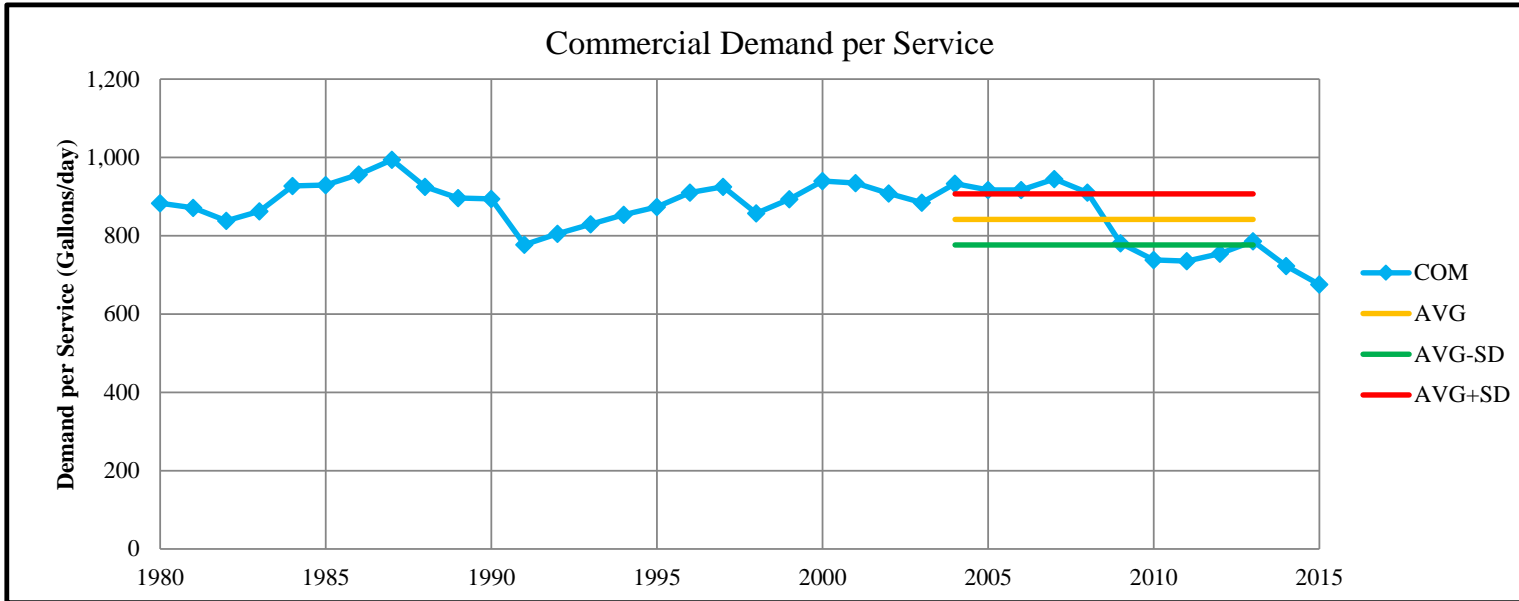
Year	SFR	MFR	COM	IND	GOV	OTH	UAFW	Combined Demand/Serv
1980	287	3,294	883	5,052	2,348	2,468	60	487
1981	292	3,426	871	4,807	2,687	2,656	27	461
1982	279	3,206	838	5,093	2,318	2,597	38	452
1983	286	3,412	862	4,548	2,310	1,861	40	464
1984	310	3,609	927	3,150	2,689	2,957	41	493
1985	308	3,488	930	2,869	2,501	2,202	48	495
1986	312	3,514	957	2,809	2,491	1,876	50	504
1987	317	3,548	994	2,933	2,723	1,716	57	521
1988	264	3,294	925	2,708	2,262	2,950	38	442
1989	262	3,285	896	2,168	2,104	2,263	34	430
1990	254	3,247	894	1,990	2,169	1,763	30	417
1991	217	2,990	777	1,535	2,002	1,529	34	370
1992	243	3,135	805	1,195	2,223	926	31	395
1993	261	3,288	829	1,305	2,262	2,029	39	425
1994	272	3,397	853	1,375	2,246	1,189	33	431
1995	280	3,497	873	1,388	2,351	1,595	30	441
1996	296	3,708	910	1,420	2,581	640	7	440
1997	313	3,771	925	1,409	2,640	327	32	482
1998	281	3,605	858	1,377	2,246	910	34	445
1999	298	3,656	893	1,358	2,446	1,244	35	466
2000	319	3,794	940	1,380	2,483	6,142	23	483
2001	315	3,613	935	1,082	2,526	6,057	33	488
2002	316	3,521	908	1,173	2,479	6,960	31	483
2003	299	3,492	884	1,116	2,418	6,839	35	465
2004	316	3,475	933	1,133	2,749	10,258	30	485
2005	293	3,439	917	1,148	2,226	7,544	35	460
2006	294	3,424	917	1,077	2,232	8,550	22	447
2007	306	3,488	945	936	2,333	7,546	15	455
2008	304	3,379	910	787	2,244	6,077	22	458
2009	280	3,180	781	593	2,002	5,487	31	430
2010	260	3,084	738	565	1,787	3,951	28	401
2011	255	2,996	735	566	1,868	2,529	22	390
2012	261	2,926	754	529	2,098	3,133	22	398
2013	272	2,858	786	522	2,444	3,747	6	397
2014	230	2,565	723	478	2,184	3,275	25	367
2015	191	2,324	675	449	1,868	2,299	19	317
10-yr AVG	284	3,225	842	786	2,198	5,882	23	432
SD	25	221	65	359	239	2,634	11	36

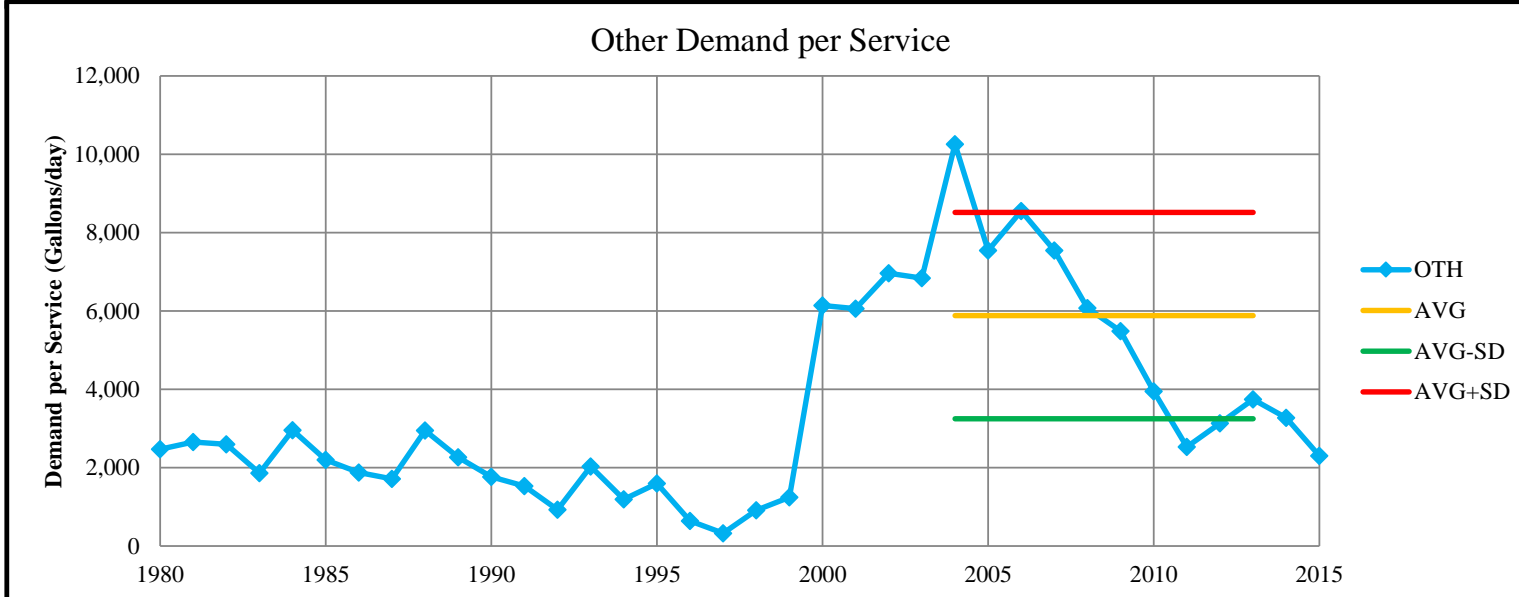
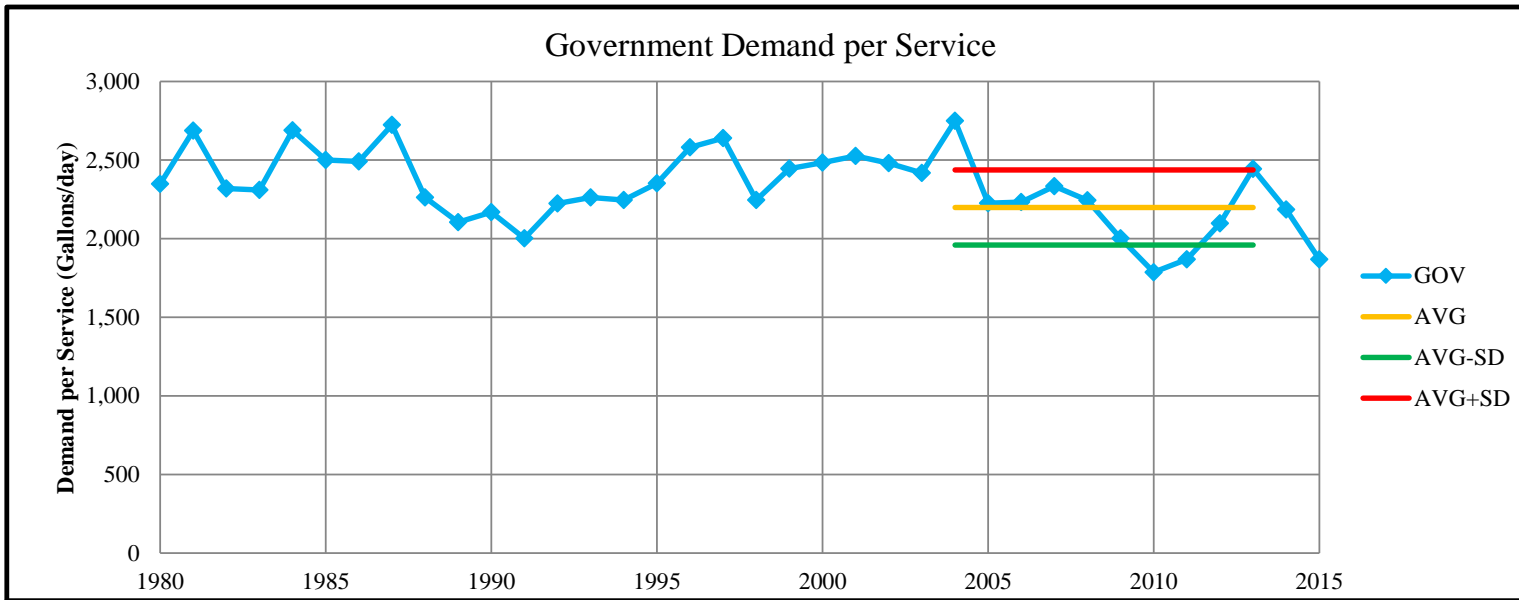
Average is based on 10-years from 2004 to 2013. 2014 excluded due to drought response.

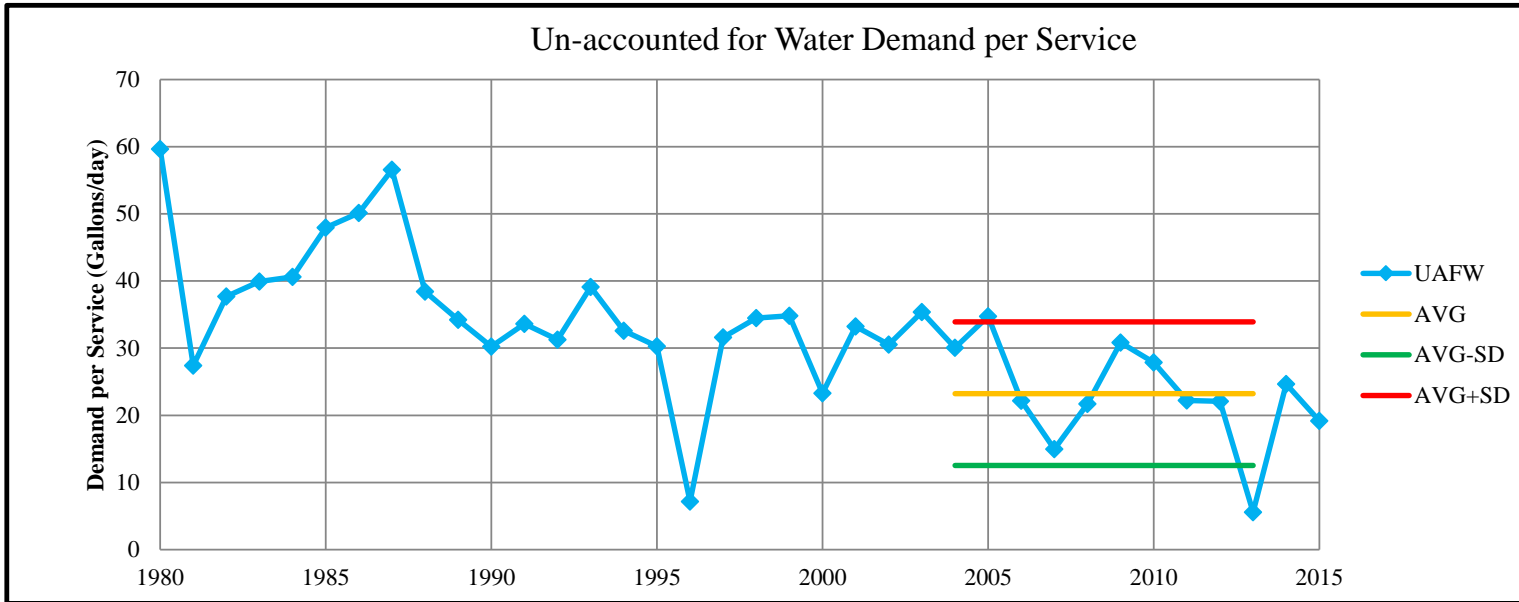
Note: For IND and OTH, 2000 to 2006 omitted.

Industrial Standard Deviation (SD) calculation limited to period 1990 to present; all other categories are 1980 to present.







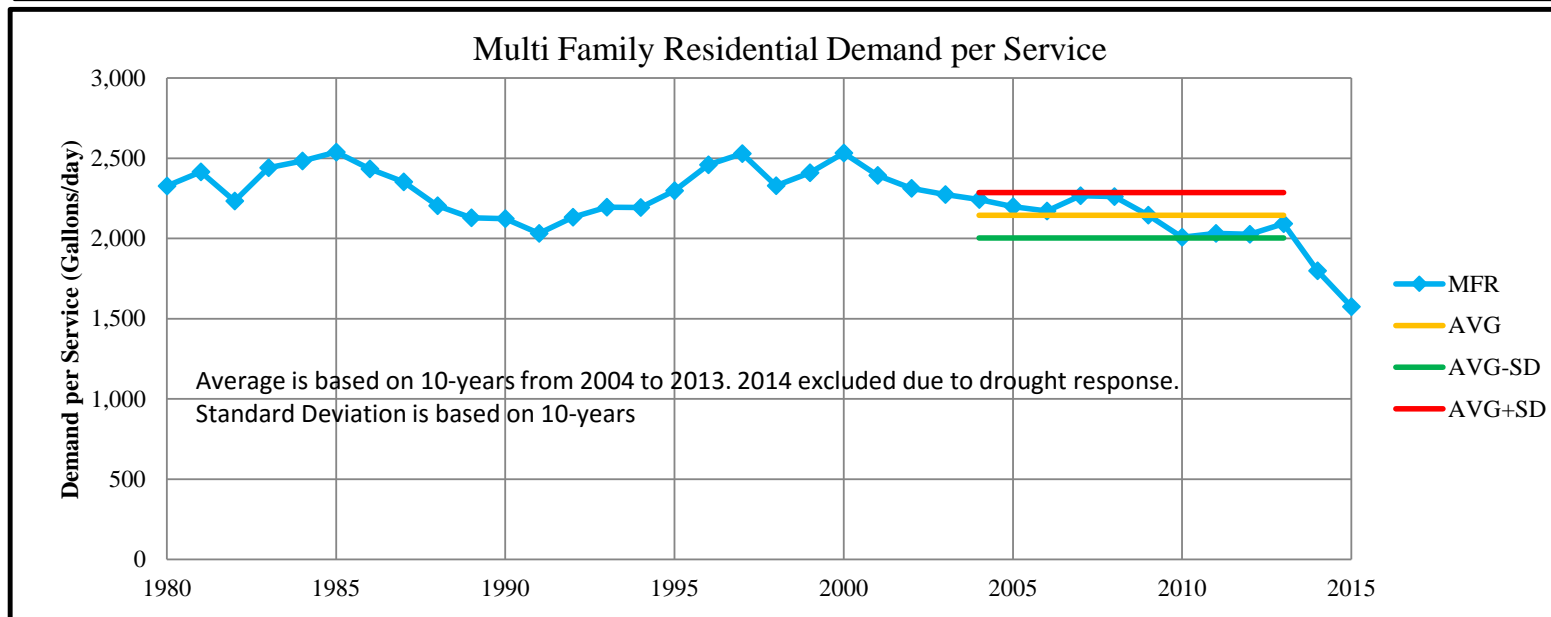
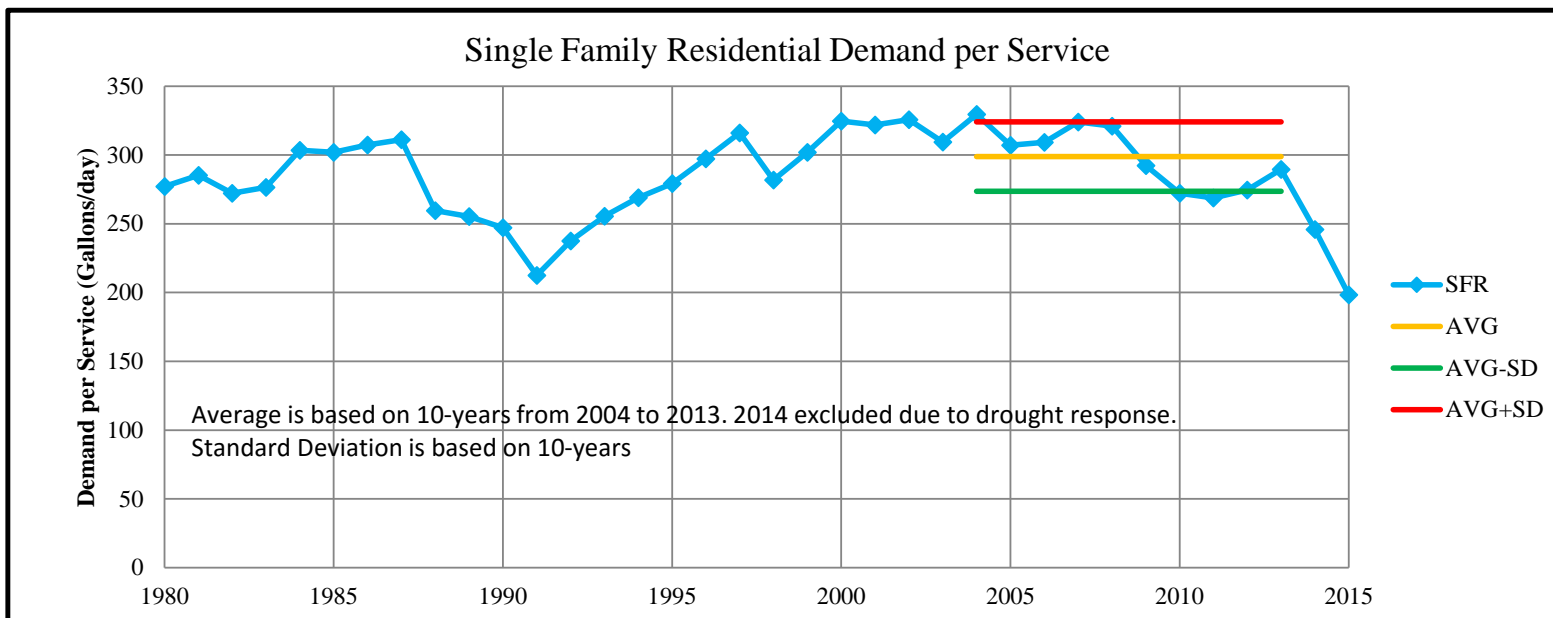


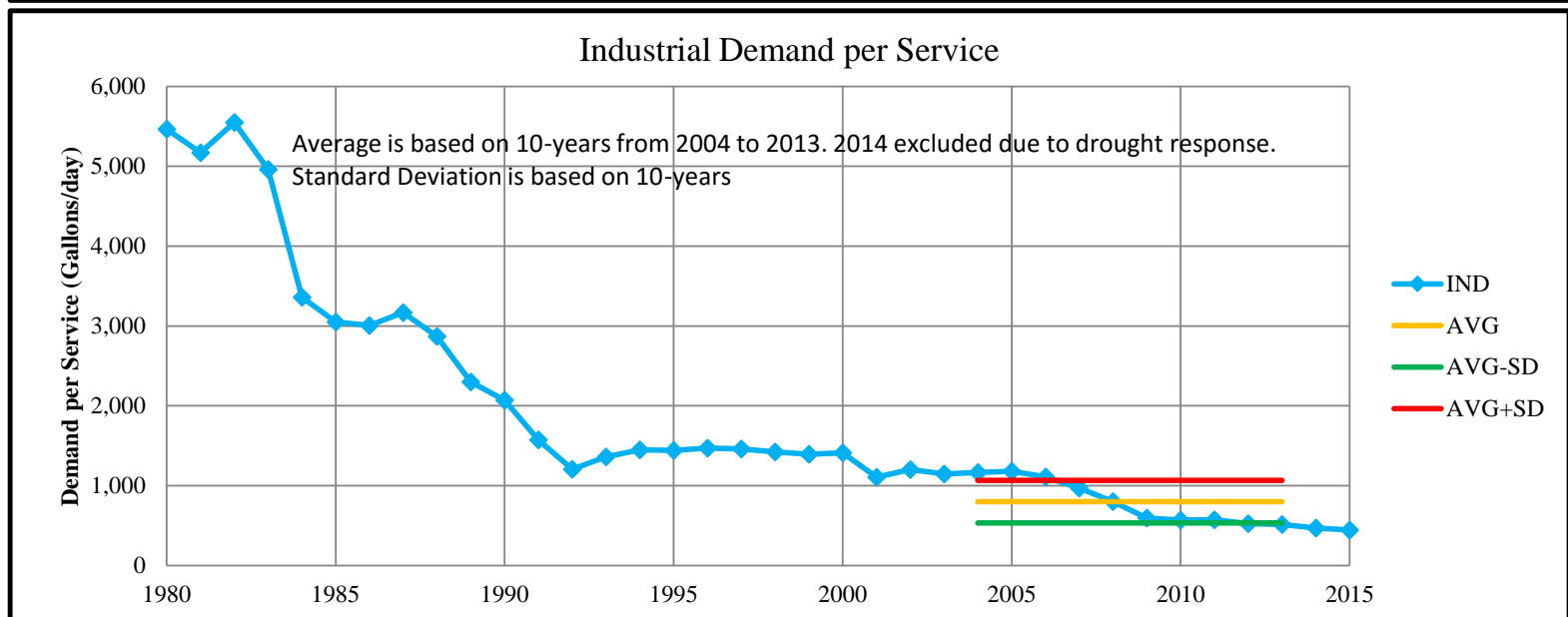
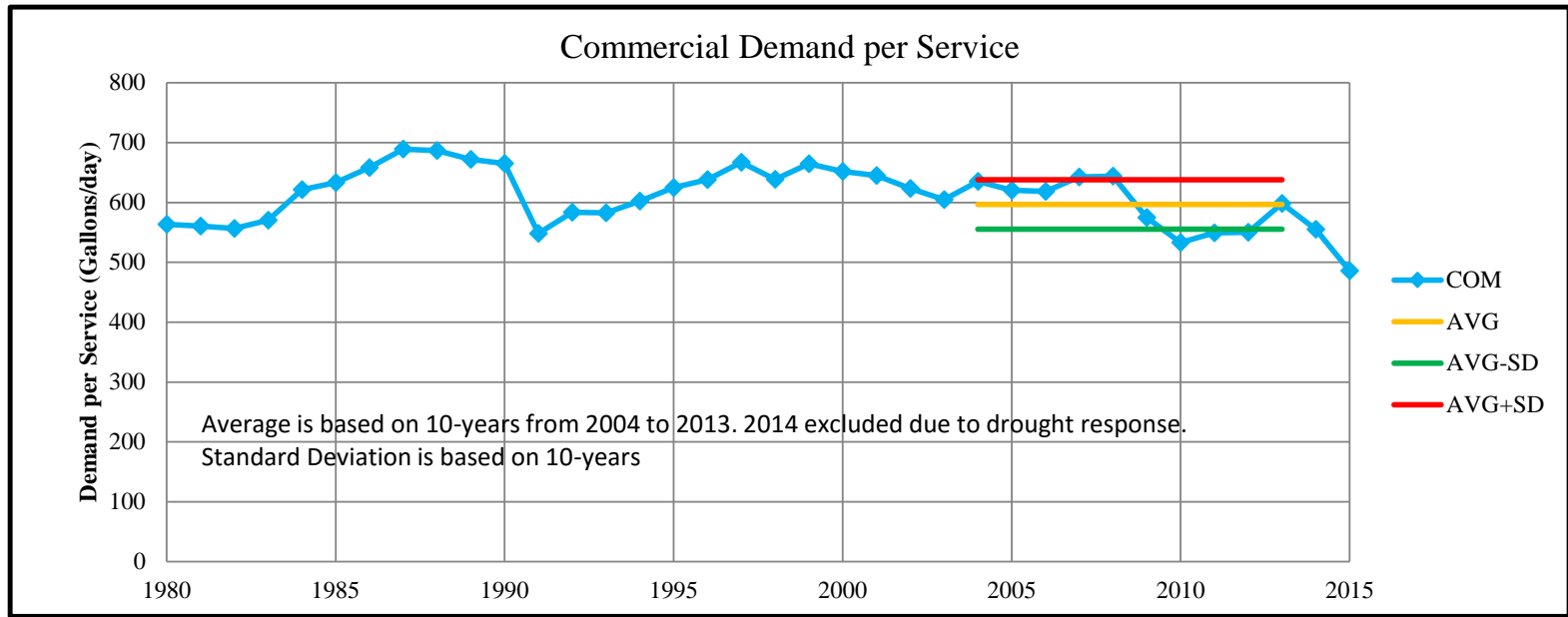
California Water Service Company - Mid-Peninsula District (San Carlos)
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)

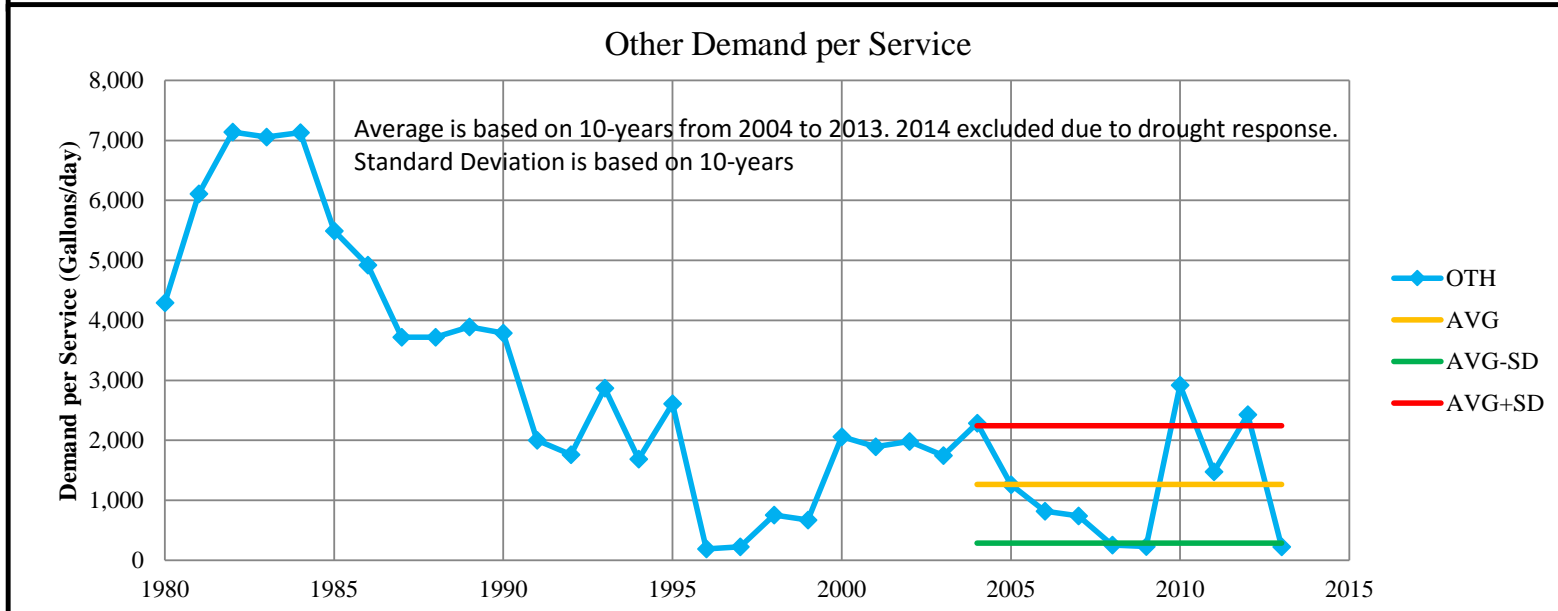
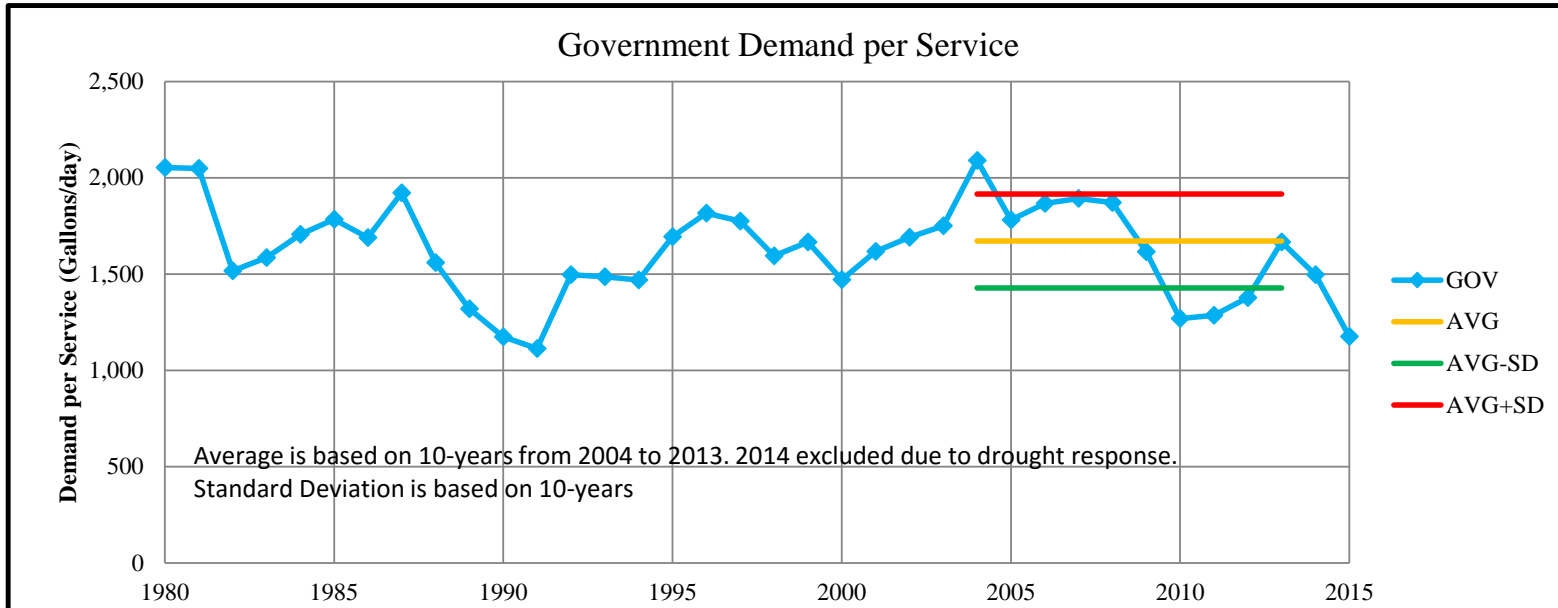
Year	SFR	MFR	COM	IND	GOV	OTH	UAFW	Combined Demand/Serv
1980	277	2,326	563	5,465	2,053	4,295	26	403
1981	285	2,415	561	5,169	2,049	6,110	23	406
1982	272	2,233	557	5,550	1,517	7,139	22	390
1983	276	2,442	570	4,959	1,586	7,055	26	390
1984	304	2,484	621	3,360	1,706	7,132	30	402
1985	302	2,539	633	3,052	1,785	5,491	27	399
1986	307	2,434	658	3,008	1,689	4,920	33	403
1987	311	2,353	689	3,170	1,923	3,718	28	411
1988	260	2,203	687	2,870	1,560	3,719	31	358
1989	255	2,128	672	2,299	1,320	3,892	25	343
1990	247	2,123	665	2,073	1,175	3,788	24	332
1991	212	2,032	548	1,573	1,114	2,003	26	283
1992	237	2,133	583	1,207	1,497	1,761	29	308
1993	256	2,195	583	1,362	1,486	2,872	29	326
1994	269	2,193	602	1,448	1,469	1,687	21	339
1995	279	2,297	625	1,444	1,695	2,612	23	353
1996	297	2,458	638	1,471	1,817	190	21	369
1997	316	2,529	667	1,459	1,775	224	28	389
1998	282	2,329	639	1,424	1,594	753	26	353
1999	302	2,410	664	1,393	1,667	674	27	374
2000	325	2,532	652	1,413	1,472	2,058	23	395
2001	322	2,393	645	1,109	1,618	1,892	25	390
2002	326	2,312	623	1,203	1,691	1,981	23	392
2003	310	2,273	604	1,147	1,751	1,745	23	373
2004	330	2,242	635	1,165	2,091	2,287	22	395
2005	307	2,199	621	1,183	1,781	1,260	21	371
2006	309	2,171	618	1,111	1,867	820	5	372
2007	324	2,267	643	971	1,894	742	8	388
2008	321	2,261	644	803	1,872	256	20	385
2009	292	2,146	575	595	1,617	231	20	351
2010	272	2,008	533	569	1,269	2,917	21	326
2011	269	2,032	549	572	1,286	1,478	24	325
2012	275	2,026	550	524	1,378	2,430	19	331
2013	290	2,093	598	513	1,667	225	26	350
2014	246	1,799	555	470	1,496		23	303
2015	198	1,576	486	446	1,177		18	251
10-yr AVG	299	2,145	597	800	1,672	1,265	19	360
SD	25	142	41	267	244	978	7	29

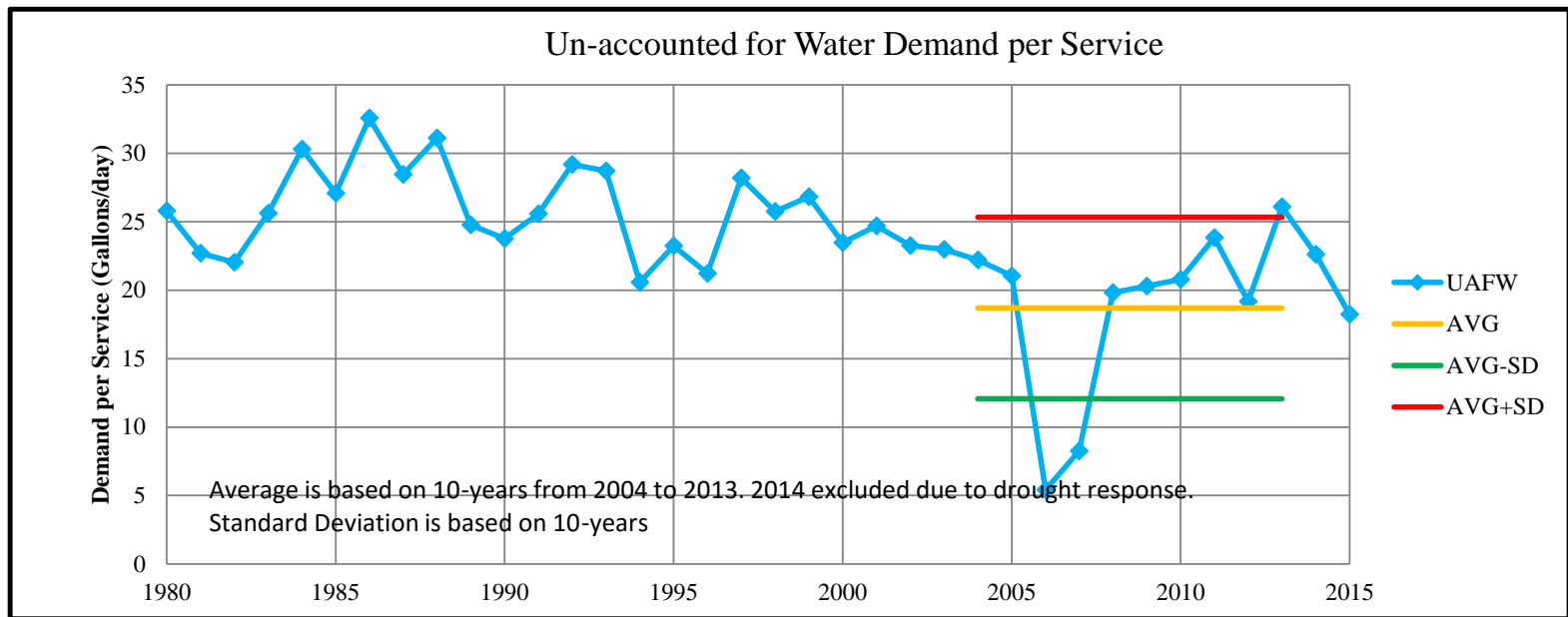
Average is based on 10-years from 2004 to 2013. 2014 excluded due to drought response.

Note: For IND and OTH, 2000 to 2006 omitted.







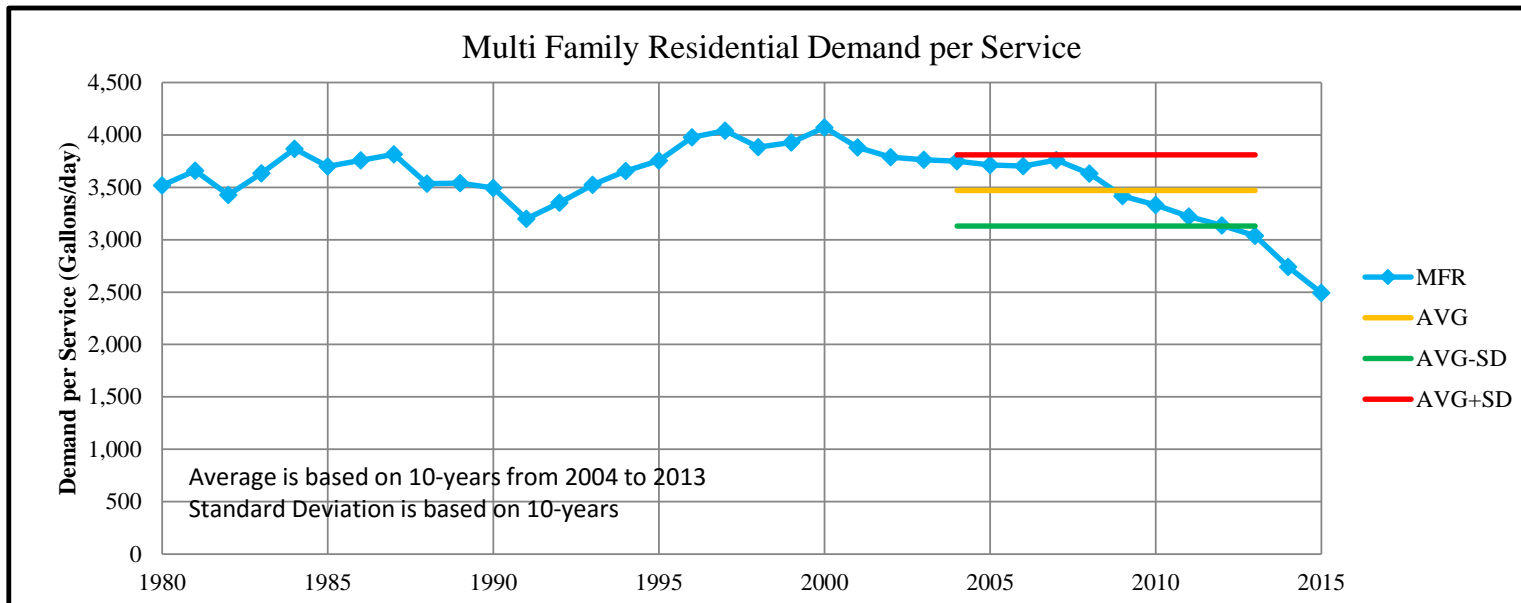
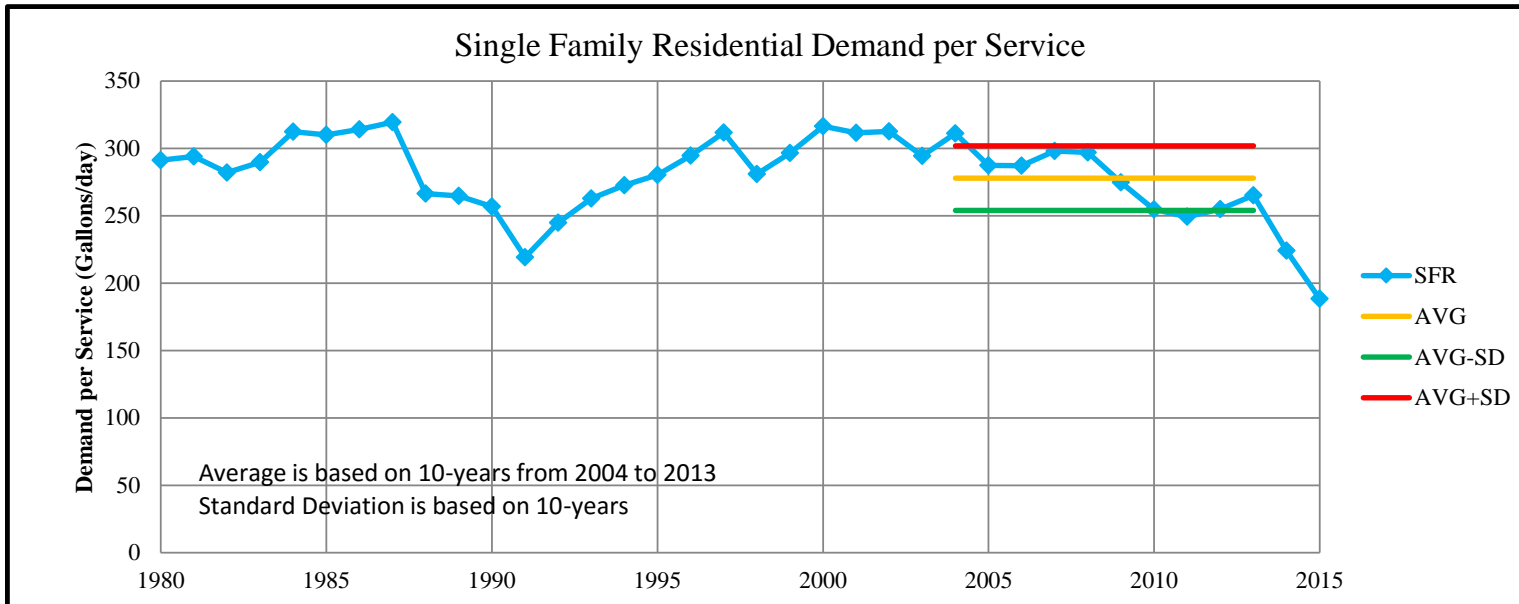


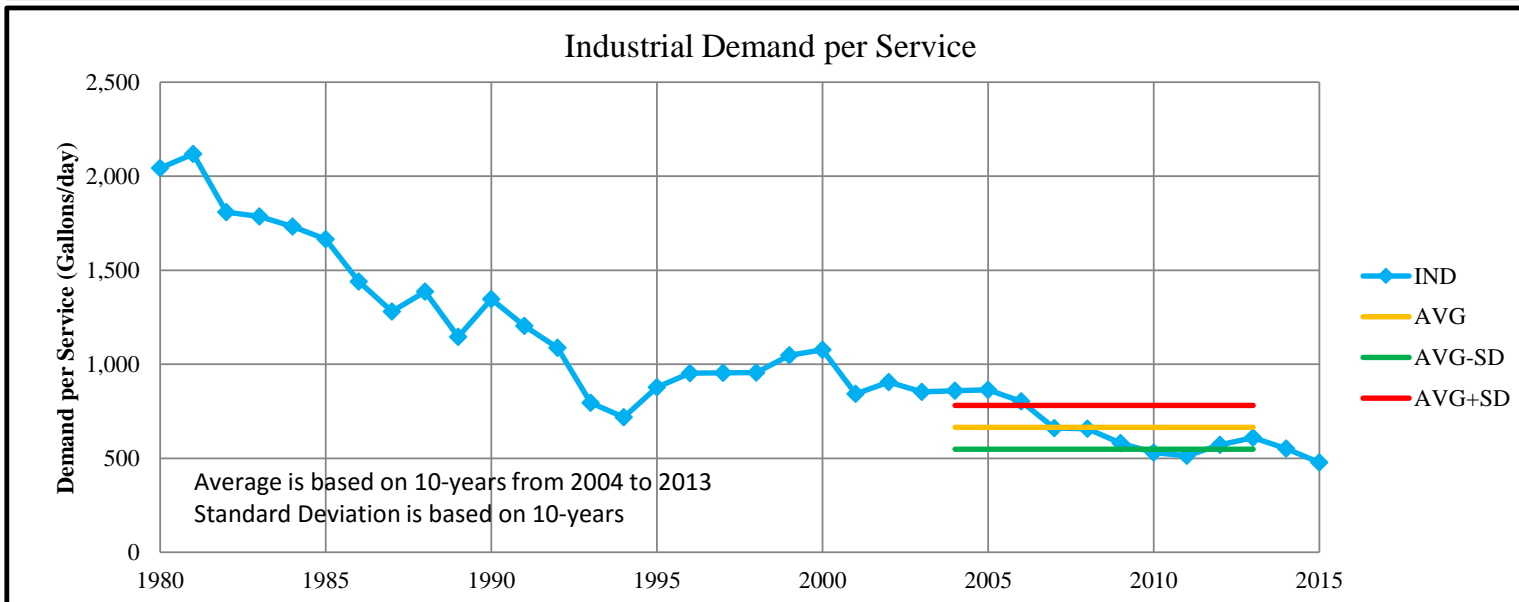
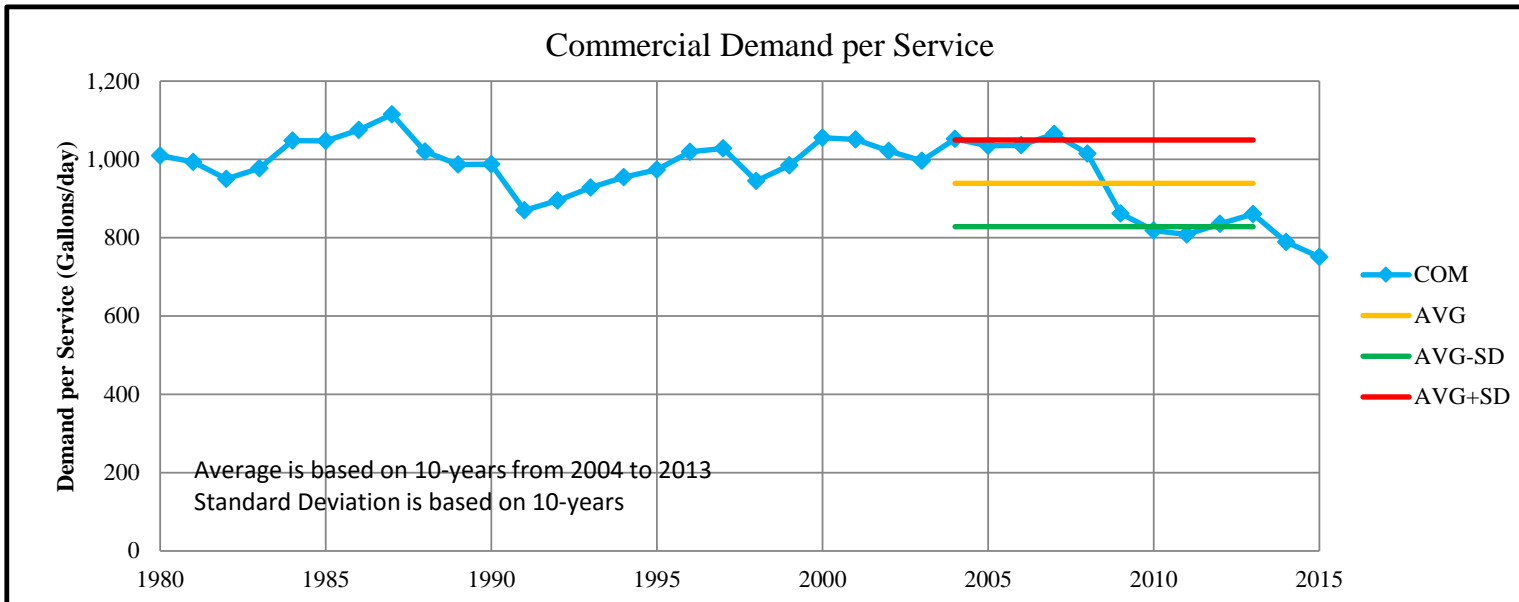
California Water Service Company - Mid-Peninsula District (San Mateo)
Water Supply and Demand Analysis and Projections
Demand per Service (Gallons per Day)

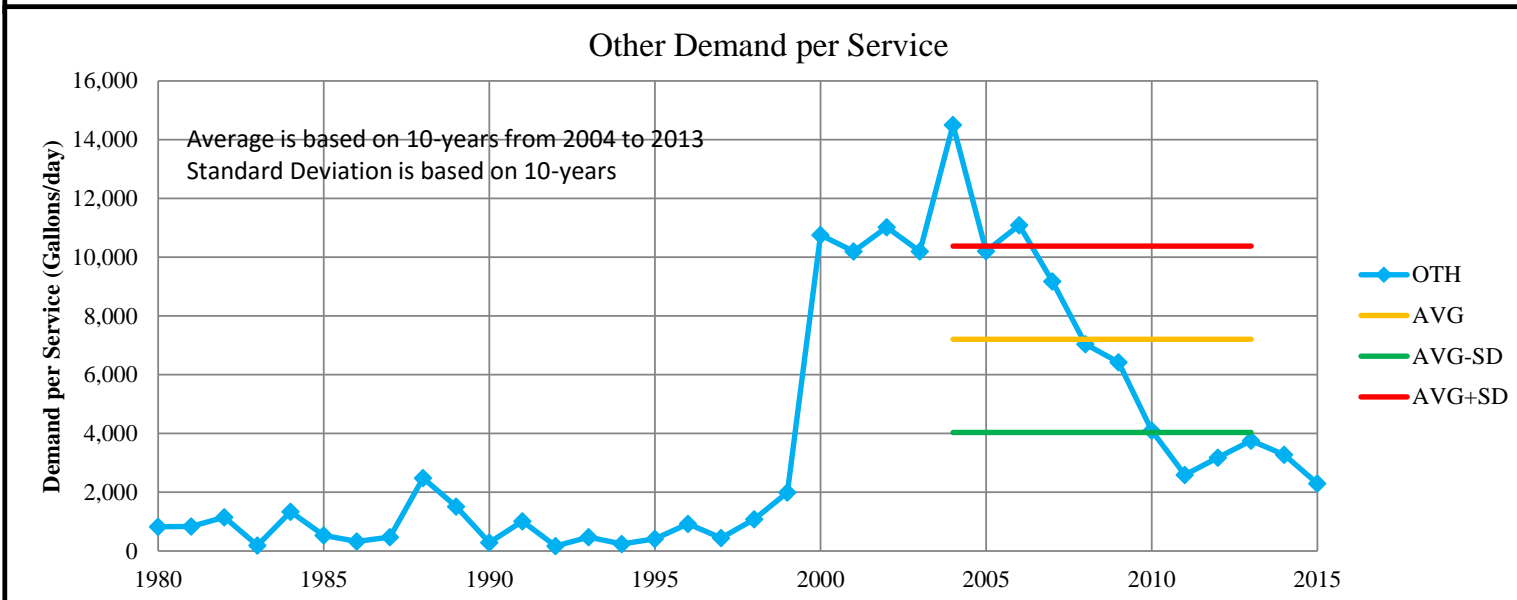
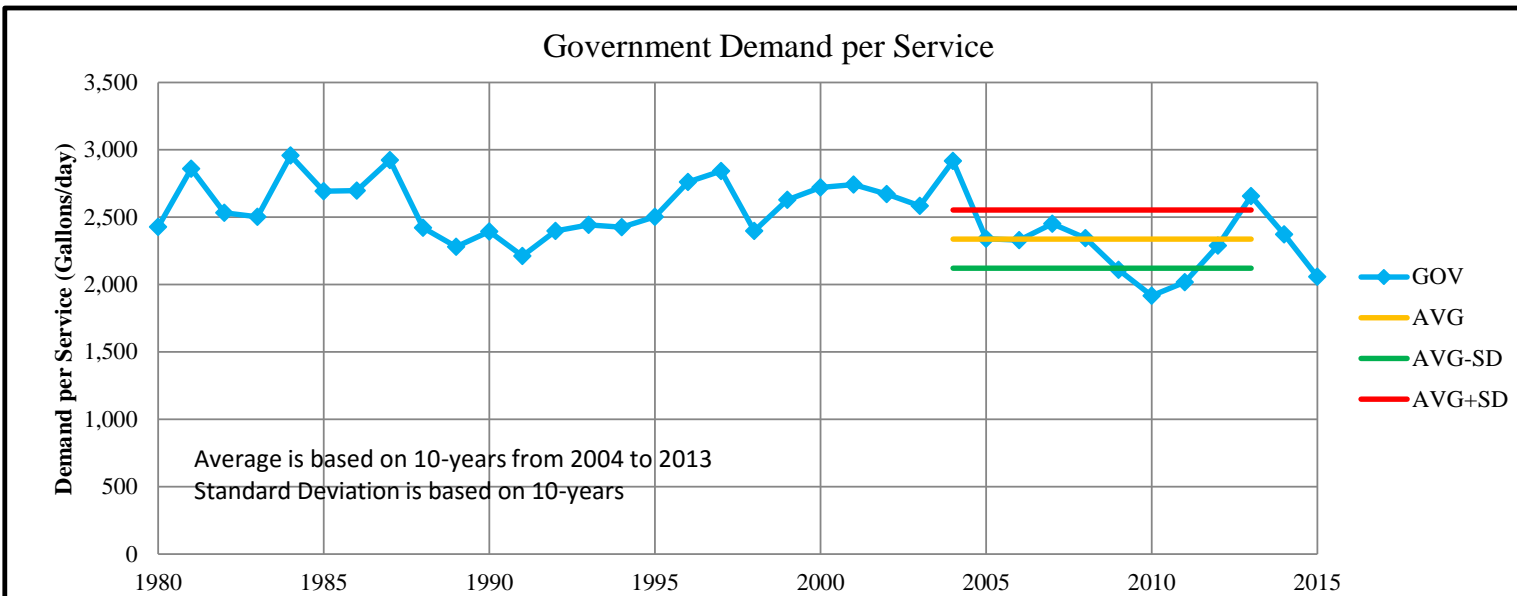
Year	SFR	MFR	COM	IND	GOV	OTH	UAFW	Combined Demand/Serv
1980	291	3,517	1,010	2,043	2,427	829	73	437
1981	294	3,659	993	2,118	2,860	839	29	445
1982	282	3,428	950	1,808	2,532	1,148	44	424
1983	290	3,634	977	1,786	2,504	185	45	437
1984	312	3,866	1,048	1,732	2,957	1,332	45	472
1985	310	3,700	1,047	1,664	2,694	531	56	466
1986	314	3,756	1,075	1,440	2,698	329	57	473
1987	319	3,815	1,115	1,280	2,924	475	68	485
1988	266	3,536	1,020	1,386	2,421	2,483	41	422
1989	265	3,540	987	1,145	2,281	1,512	38	416
1990	257	3,494	988	1,347	2,394	285	33	409
1991	219	3,199	870	1,204	2,213	1,013	37	357
1992	245	3,353	895	1,088	2,398	170	32	387
1993	263	3,523	928	795	2,444	478	43	410
1994	273	3,655	955	718	2,426	243	37	423
1995	280	3,755	973	877	2,502	418	33	434
1996	295	3,978	1,019	953	2,761	926	1	458
1997	312	4,040	1,028	953	2,843	449	33	476
1998	281	3,883	945	956	2,397	1,081	38	434
1999	297	3,929	985	1,048	2,628	1,993	38	455
2000	317	4,071	1,056	1,076	2,721	10,755	23	486
2001	311	3,882	1,051	842	2,743	10,199	37	482
2002	313	3,788	1,022	904	2,671	11,021	34	478
2003	295	3,762	996	854	2,584	10,202	40	453
2004	311	3,748	1,053	859	2,917	14,502	33	479
2005	287	3,714	1,035	863	2,341	10,205	40	448
2006	287	3,702	1,036	803	2,329	11,093	29	446
2007	298	3,759	1,065	659	2,452	9,175	18	462
2008	297	3,632	1,015	657	2,346	7,043	22	457
2009	275	3,418	862	580	2,109	6,420	35	419
2010	255	3,332	819	529	1,917	4,105	31	393
2011	249	3,221	808	513	2,019	2,593	22	386
2012	255	3,136	835	572	2,290	3,176	23	394
2013	265	3,036	861	609	2,656	3,755	-3	409
2014	224	2,740	789	551	2,372	3,275	26	358
2015	188	2,492	751	477	2,058	2,299	20	317
10-yr AVG	278	3,470	939	664	2,337	7,207	25	429
SD	24	340	111	116	216	3,172	12	35

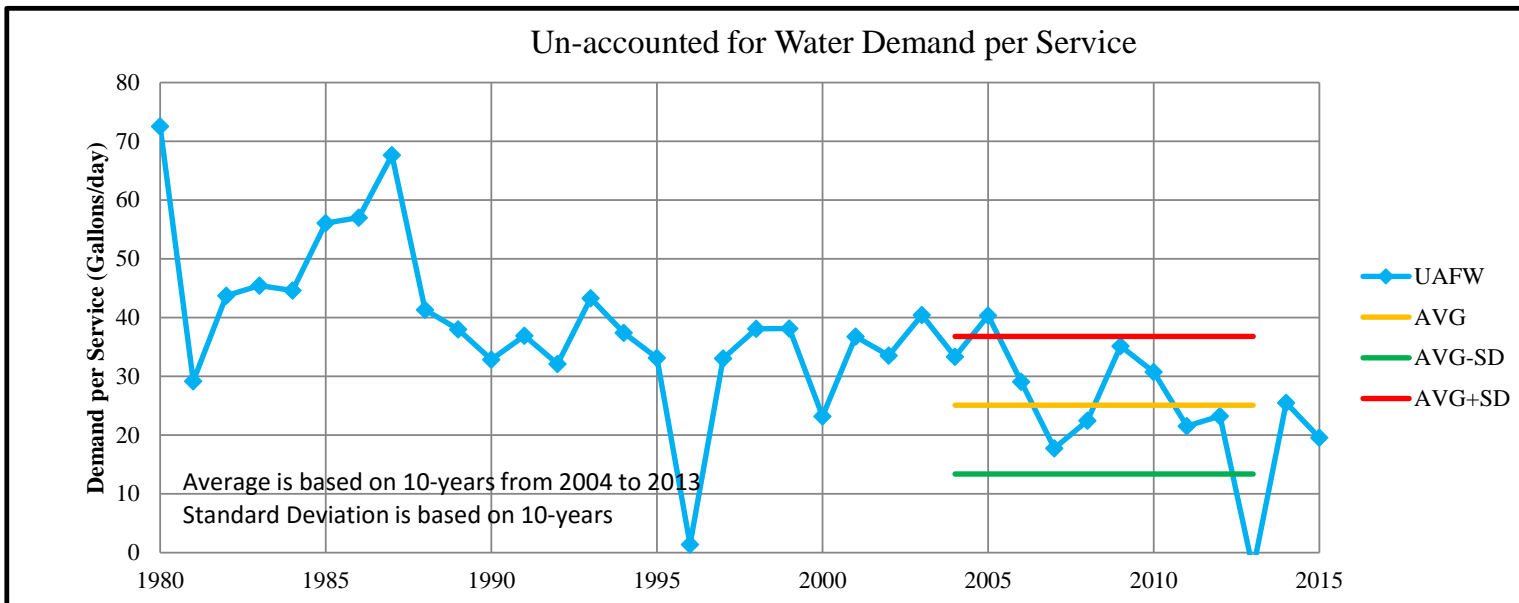
Average is based on 10-years from 2004 to 2013. 2014 excluded due to drought response.

For IND and OTH, 2000 to 2006 omitted.









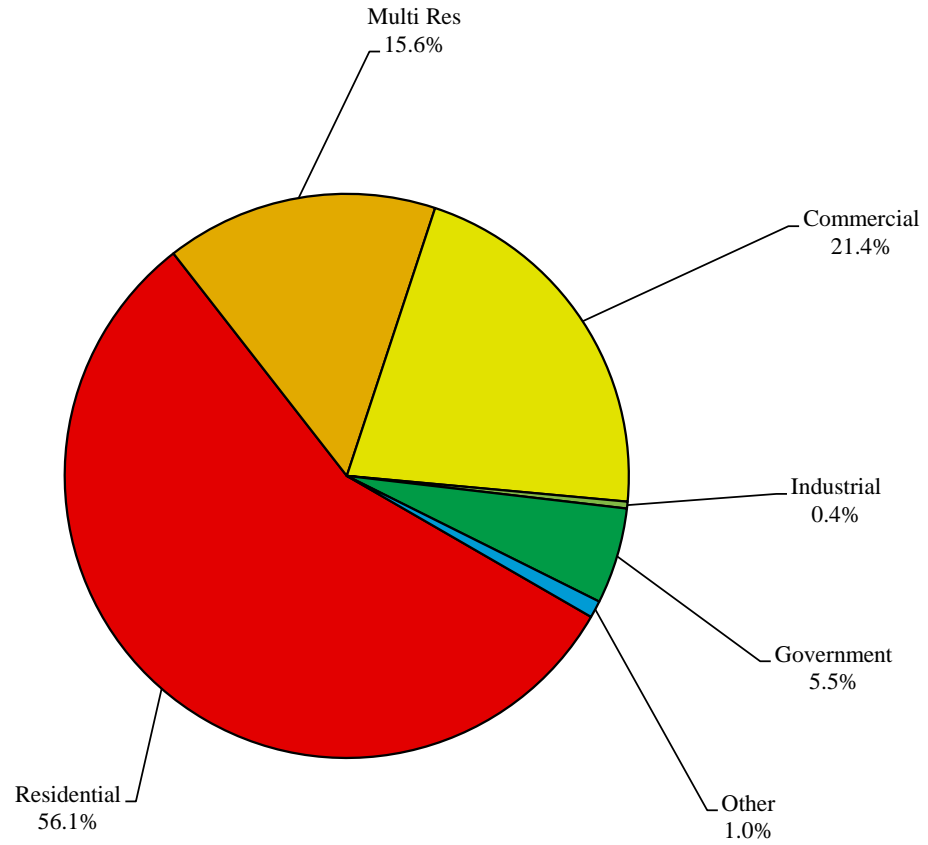
California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Percentage Change in Annual Demand

Worksheet 5

Year	Residential	Multi Res	Commercial	Industrial	Government	Other	Unaccounted	Total
1981	2.23%	4.77%	-1.19%	-6.19%	15.31%	14.97%	-53.75%	2.14%
1982	-4.00%	-4.32%	-3.72%	4.13%	-13.68%	-19.40%	37.88%	-4.27%
1983	2.75%	7.27%	3.28%	-10.75%	0.50%	-27.75%	6.27%	2.59%
1984	8.94%	5.88%	7.79%	-33.09%	17.56%	66.04%	2.26%	7.36%
1985	-0.21%	-0.93%	0.67%	-9.68%	-6.61%	-21.76%	18.62%	-0.76%
1986	1.90%	2.03%	2.95%	-1.71%	-0.86%	-15.75%	5.01%	1.86%
1987	2.18%	2.01%	3.86%	4.88%	10.48%	13.70%	13.47%	2.99%
1988	-16.25%	-4.89%	-6.93%	-11.83%	-16.47%	57.47%	-31.79%	-12.65%
1989	-0.37%	1.05%	-3.21%	-20.13%	-6.41%	-24.06%	-10.52%	-1.65%
1990	-2.77%	-0.32%	-0.36%	-8.95%	2.68%		-11.40%	-1.91%
1991	-14.28%	-7.34%	-13.45%	-24.12%	-8.84%	-3.04%	11.43%	-13.01%
1992	11.88%	5.18%	3.66%	-23.02%	14.05%	-44.67%	-6.89%	8.57%
1993	7.55%	5.76%	2.61%	7.24%	1.39%	62.07%	25.08%	6.00%
1994	4.28%	3.49%	2.23%	5.35%	-1.00%	-31.56%	-16.64%	3.41%
1995	3.37%	3.26%	2.13%	1.81%	5.65%	32.78%	-6.87%	3.25%
1996	6.21%	6.07%	3.87%	2.18%	11.28%	-63.53%	-76.26%	5.81%
1997	5.96%	1.86%	2.01%	-1.96%	2.33%	-36.33%	342.67%	4.31%
1998	-10.10%	-4.23%	-7.44%	-2.81%	-15.08%	168.32%	9.08%	-8.91%
1999	6.05%	1.47%	4.31%	-0.53%	9.13%	51.21%	1.09%	5.19%
2000	7.01%	3.87%	5.31%	1.48%	1.59%	354.31%	-33.15%	6.51%
2001	-1.11%	-3.60%	-0.24%	-20.25%	5.72%	74.93%	43.30%	-0.56%
2002	0.58%	-2.84%	-2.76%	8.26%	-2.11%	5.05%	-8.23%	-0.54%
2003	-5.20%	-1.61%	-2.37%	-7.05%	-16.84%	-23.60%	16.06%	-5.06%
2004	5.94%	-0.10%	6.17%	0.35%	13.49%	55.17%	-14.83%	6.01%
2005	-7.23%	-1.04%	-1.85%	1.09%	-18.93%	-29.65%	15.59%	-6.27%
2006	0.20%	-1.50%	0.03%	-6.21%	0.96%	-4.03%	-36.11%	-0.13%
2007	4.16%	1.49%	2.88%	-13.45%	5.08%	21.67%	-32.46%	3.67%
2008	-0.81%	1.83%	-3.02%	-16.88%	6.03%	-21.88%	44.91%	-1.01%
2009	-8.24%	-1.52%	-13.41%	-26.34%	-3.89%	-20.82%	42.03%	-8.40%
2010	-6.98%	-2.63%	-5.06%	-5.94%	-11.22%	-16.11%	-9.44%	-6.29%
2011	-1.48%	-0.66%	0.36%	1.75%	3.89%	-29.24%	-19.96%	-0.99%
2012	2.23%	-1.74%	2.13%	-7.22%	8.01%	27.25%	-0.66%	2.01%
2013	4.55%	-0.58%	3.94%	-1.62%	11.17%	44.02%	-74.70%	4.30%
2014	-15.25%	-7.94%	-8.01%	-7.96%	-9.48%	-8.74%	342.85%	-12.49%
2015	-16.95%	-4.33%	-6.93%	-7.14%	-12.78%	-19.44%	-22.16%	-12.91%

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Percent of Total Sales by Type of Use (combined) (2015)



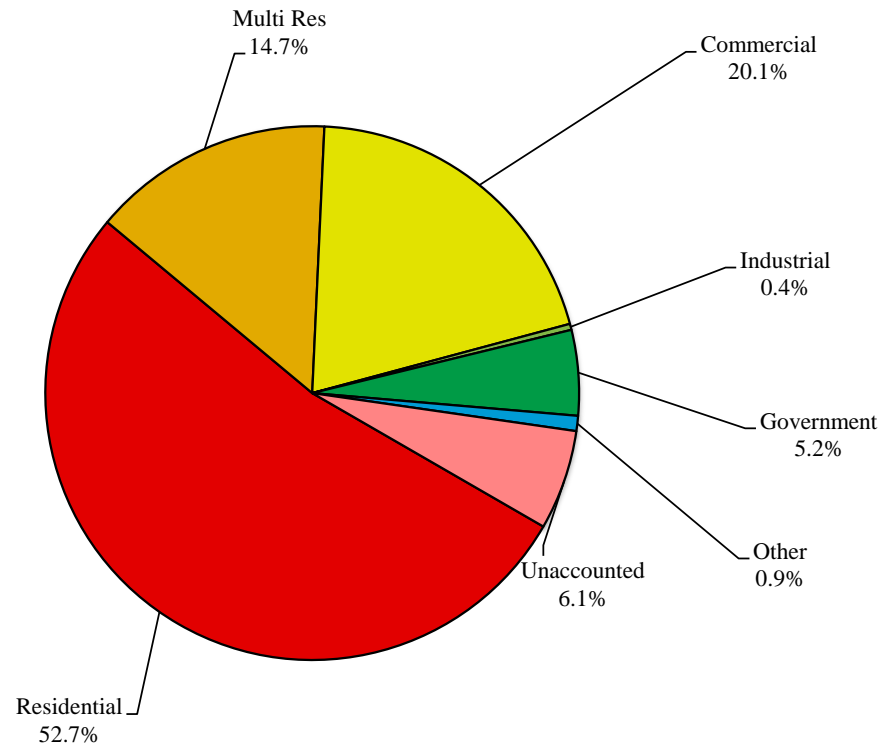
California Water Service Company - Mid-Peninsula District (Combined)

Water Supply and Demand Analysis and Projections

Percentage of Total Sales

Year	Residential	Multi Res	Commercial	Industrial	Government	Other	Percent Total
1980	58.65%	11.40%	20.49%	4.23%	4.83%	0.40%	100.00%
1981	58.70%	11.69%	19.82%	3.89%	5.45%	0.45%	100.00%
1982	58.86%	11.68%	19.93%	4.23%	4.91%	0.38%	100.00%
1983	58.96%	12.22%	20.07%	3.68%	4.81%	0.27%	100.00%
1984	59.83%	12.05%	20.15%	2.29%	5.27%	0.41%	100.00%
1985	60.16%	12.03%	20.44%	2.09%	4.96%	0.33%	100.00%
1986	60.18%	12.05%	20.66%	2.01%	4.83%	0.27%	100.00%
1987	59.71%	11.93%	20.83%	2.05%	5.18%	0.30%	100.00%
1988	57.25%	12.99%	22.20%	2.07%	4.95%	0.54%	100.00%
1989	58.00%	13.35%	21.85%	1.68%	4.71%	0.42%	100.00%
1990	57.49%	13.56%	22.19%	1.56%	4.93%	0.26%	100.00%
1991	56.65%	14.45%	22.08%	1.36%	5.17%	0.29%	100.00%
1992	58.38%	14.00%	21.08%	0.97%	5.43%	0.15%	100.00%
1993	59.23%	13.97%	20.41%	0.98%	5.20%	0.23%	100.00%
1994	59.73%	13.98%	20.17%	0.99%	4.97%	0.15%	100.00%
1995	59.80%	13.98%	19.96%	0.98%	5.09%	0.19%	100.00%
1996	60.03%	14.01%	19.59%	0.95%	5.35%	0.07%	100.00%
1997	60.98%	13.68%	19.16%	0.89%	5.25%	0.04%	100.00%
1998	60.18%	14.39%	19.47%	0.95%	4.90%	0.12%	100.00%
1999	60.67%	13.88%	19.30%	0.90%	5.08%	0.17%	100.00%
2000	60.95%	13.53%	19.08%	0.86%	4.84%	0.73%	100.00%
2001	60.62%	13.12%	19.15%	0.69%	5.15%	1.28%	100.00%
2002	61.30%	12.82%	18.72%	0.75%	5.07%	1.35%	100.00%
2003	61.21%	13.28%	19.25%	0.73%	4.44%	1.09%	100.00%
2004	61.17%	12.52%	19.28%	0.69%	4.75%	1.60%	100.00%
2005	60.54%	13.21%	20.19%	0.75%	4.11%	1.20%	100.00%
2006	60.74%	13.03%	20.22%	0.70%	4.16%	1.15%	100.00%
2007	61.03%	12.76%	20.07%	0.59%	4.21%	1.35%	100.00%
2008	61.15%	13.12%	19.66%	0.49%	4.51%	1.07%	100.00%
2009	61.26%	14.11%	18.58%	0.40%	4.74%	0.92%	100.00%
2010	60.81%	14.66%	18.83%	0.40%	4.49%	0.82%	100.00%
2011	60.50%	14.71%	19.08%	0.41%	4.71%	0.59%	100.00%
2012	60.64%	14.17%	19.10%	0.37%	4.98%	0.74%	100.00%
2013	60.78%	13.51%	19.04%	0.35%	5.31%	1.02%	100.00%
2014	58.86%	14.21%	20.01%	0.37%	5.50%	1.06%	100.00%
2015	56.13%	15.61%	21.39%	0.39%	5.50%	0.98%	100.00%

Percent of Total Demand by Type of Use (combined) (2015)



California Water Service Company - Mid-Peninsula District (Combined)

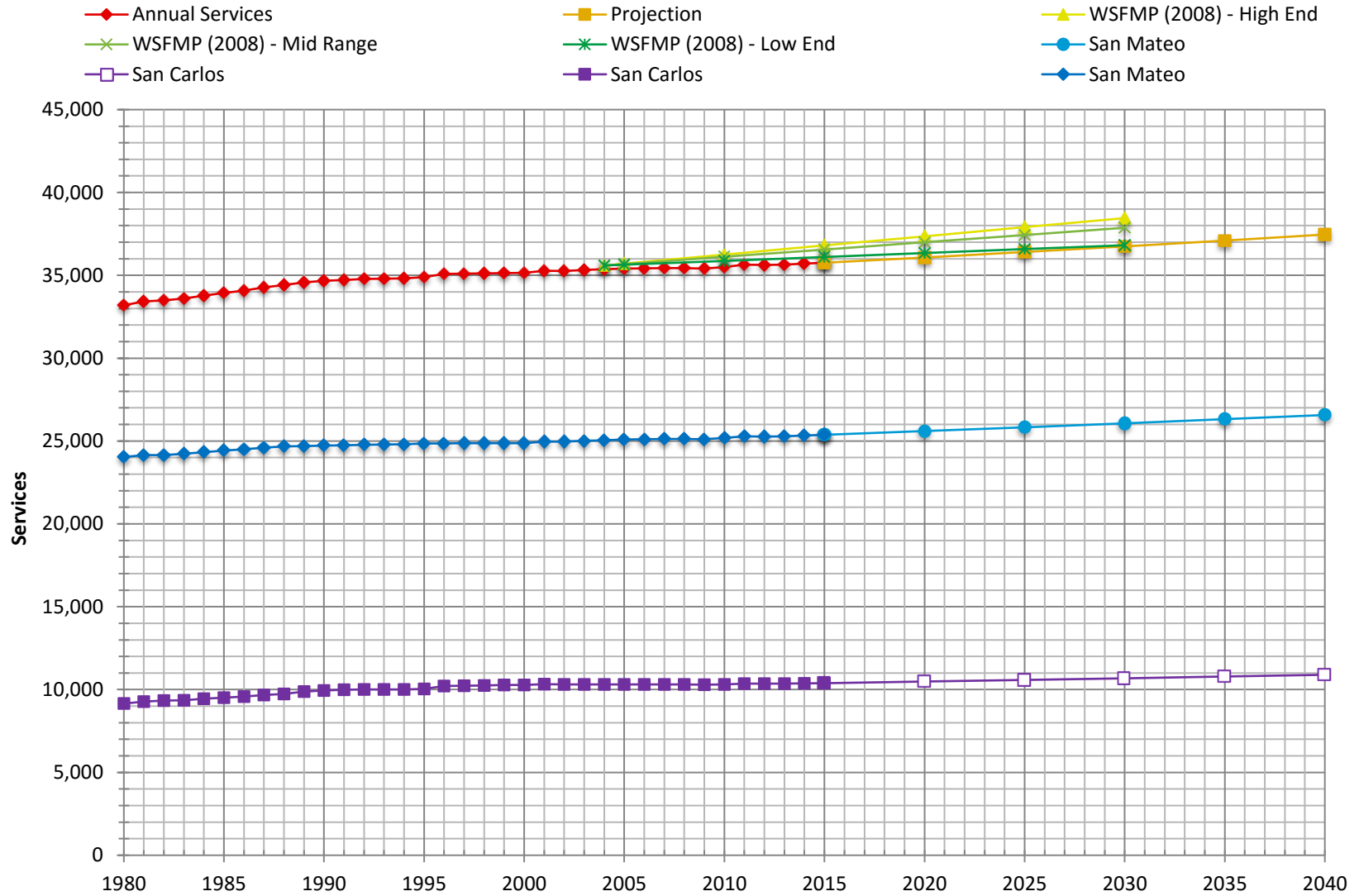
Worksheet 7

Water Supply and Demand Analysis and Projections

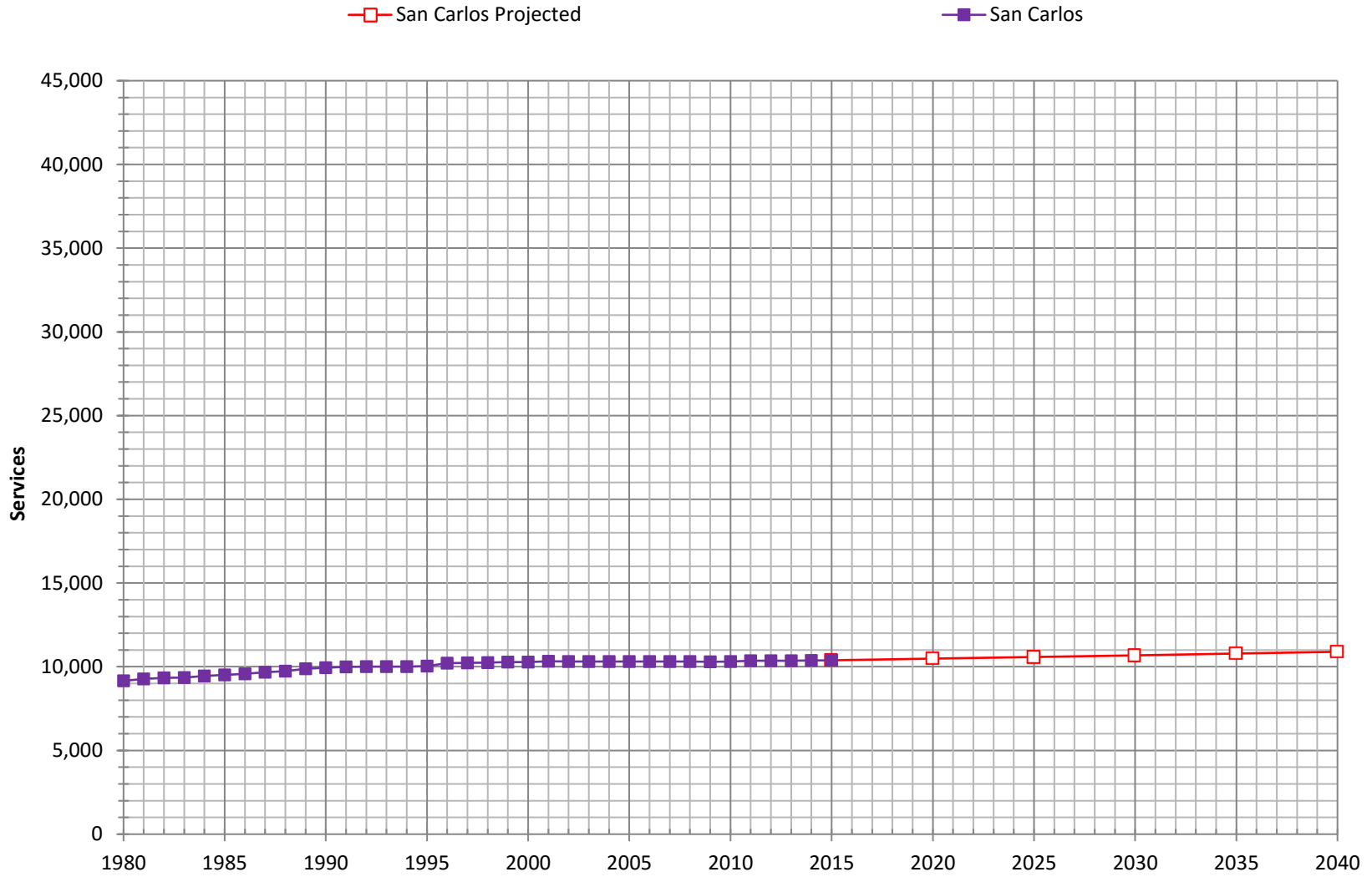
Percentage of Total Demand

Year	Residential	Multi Res	Commercial	Industrial	Government	Other	Unaccounted	Percent Total
1980	51.47%	10.00%	17.98%	3.71%	4.24%	0.35%	12.24%	100.00%
1981	55.21%	10.99%	18.64%	3.66%	5.13%	0.42%	5.94%	100.00%
1982	53.96%	10.71%	18.27%	3.88%	4.50%	0.35%	8.34%	100.00%
1983	53.88%	11.16%	18.34%	3.36%	4.40%	0.24%	8.61%	100.00%
1984	54.90%	11.05%	18.49%	2.10%	4.84%	0.38%	8.23%	100.00%
1985	54.33%	10.86%	18.46%	1.88%	4.48%	0.30%	9.69%	100.00%
1986	54.19%	10.85%	18.60%	1.81%	4.35%	0.24%	9.96%	100.00%
1987	53.22%	10.64%	18.57%	1.83%	4.62%	0.27%	10.86%	100.00%
1988	52.28%	11.86%	20.27%	1.89%	4.52%	0.49%	8.69%	100.00%
1989	53.38%	12.28%	20.11%	1.55%	4.34%	0.38%	7.97%	100.00%
1990	53.32%	12.58%	20.58%	1.45%	4.58%	0.24%	7.25%	100.00%
1991	51.49%	13.13%	20.07%	1.24%	4.70%	0.26%	9.10%	100.00%
1992	53.76%	12.89%	19.41%	0.89%	5.00%	0.14%	7.91%	100.00%
1993	53.78%	12.68%	18.53%	0.89%	4.72%	0.20%	9.20%	100.00%
1994	55.22%	12.92%	18.65%	0.92%	4.60%	0.14%	7.55%	100.00%
1995	55.70%	13.02%	18.59%	0.91%	4.74%	0.18%	6.86%	100.00%
1996	59.06%	13.78%	19.27%	0.93%	5.27%	0.07%	1.63%	100.00%
1997	56.98%	12.79%	17.90%	0.83%	4.91%	0.04%	6.56%	100.00%
1998	55.52%	13.27%	17.96%	0.88%	4.52%	0.11%	7.75%	100.00%
1999	56.14%	12.84%	17.86%	0.83%	4.70%	0.16%	7.47%	100.00%
2000	58.01%	12.88%	18.16%	0.81%	4.61%	0.69%	4.82%	100.00%
2001	56.49%	12.23%	17.84%	0.64%	4.80%	1.20%	6.81%	100.00%
2002	57.43%	12.01%	17.54%	0.70%	4.75%	1.27%	6.31%	100.00%
2003	56.55%	12.27%	17.78%	0.68%	4.10%	1.01%	7.61%	100.00%
2004	57.37%	11.74%	18.08%	0.65%	4.46%	1.50%	6.21%	100.00%
2005	55.97%	12.22%	18.66%	0.69%	3.80%	1.11%	7.55%	100.00%
2006	57.73%	12.39%	19.21%	0.67%	3.95%	1.09%	4.96%	100.00%
2007	59.02%	12.34%	19.41%	0.57%	4.07%	1.31%	3.29%	100.00%
2008	58.25%	12.50%	18.73%	0.47%	4.30%	1.02%	4.74%	100.00%
2009	56.87%	13.10%	17.25%	0.37%	4.40%	0.86%	7.17%	100.00%
2010	56.58%	13.64%	17.52%	0.37%	4.17%	0.77%	6.94%	100.00%
2011	57.06%	13.87%	18.00%	0.38%	4.44%	0.56%	5.69%	100.00%
2012	57.27%	13.38%	18.04%	0.35%	4.71%	0.69%	5.55%	100.00%
2013	59.93%	13.32%	18.77%	0.34%	5.24%	1.00%	1.40%	100.00%
2014	54.90%	13.25%	18.67%	0.34%	5.13%	0.99%	6.72%	100.00%
2015	52.73%	14.66%	20.09%	0.37%	5.17%	0.92%	6.05%	100.00%

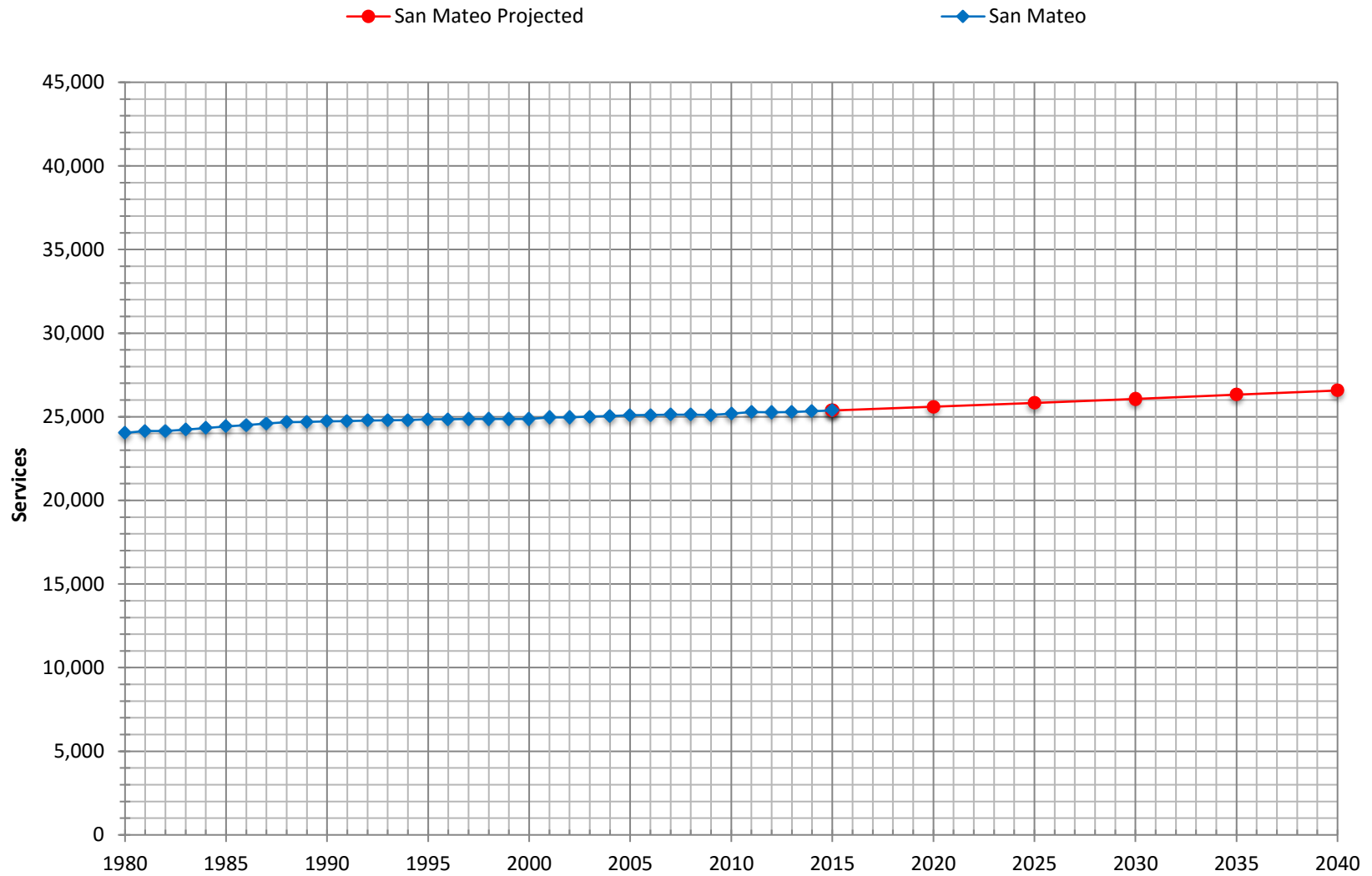
Historical & Projected Services



Historical & Projected Services



Historical & Projected Services



California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services

Customer Category	Selected Trend	Average Growth Rate	Actual Services				Projected Services					
			2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040
SFR		0.13%	30,863	31,107	31,028	31,222	31,222	31,432	31,644	31,857	32,071	32,287
MFR		1.81%	576	579	630	715	715	782	855	936	1,024	1,120
COM		0.16%	3,279	3,318	3,382	3,370	3,370	3,396	3,423	3,450	3,477	3,504
IND		0.00%	100	98	93	93	93	93	93	93	93	93
GOV		1.11%	315	278	333	314	314	331	350	370	391	413
OTH		0.00%	19	24	28	45	45	45	45	45	45	45
TOTAL	Average growth rate 2014-2040	0.19%	35,152	35,404	35,494	35,759	35,759	36,080	36,410	36,751	37,101	37,463

Notes:

California Water Service Company - Mid-Peninsula District (San Carlos)
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services

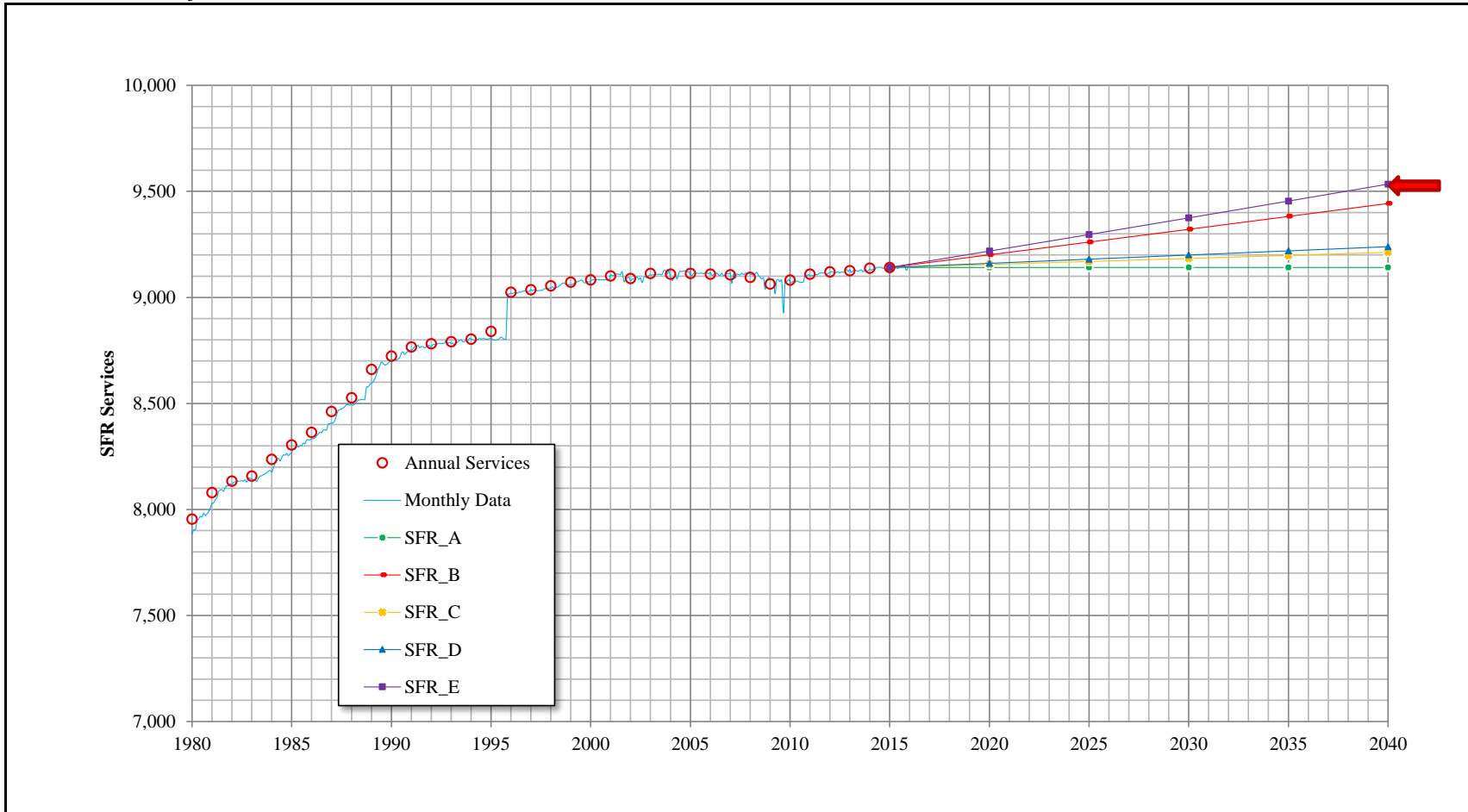
Customer Category		Selected Trend	Growth Rate	Actual Services				Projected Services					
				2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040
SFR	SFR_E	20 Yr. Avg.	0.17%	9,082	9,112	9,081	9,141	9,141	9,218	9,296	9,375	9,454	9,534
MFR	MFR_B	5 Yr. Avg.	1.57%	104	105	118	131	131	142	153	166	179	193
COM	COM_D	15 Yr. Avg.	0.15%	939	947	957	960	960	967	975	982	990	997
IND	IND_A	Zero Growth Rate	0.00%	90	87	84	84	84	84	84	84	84	84
GOV	GOV_E	20 Yr. Avg.	0.88%	60	57	67	67	67	70	74	77	80	84
OTH	OTH_A	Zero Growth Rate	0.00%	10	7	4	0	0	0	0	0	0	0
TOTAL	Average growth rate 2014-2040		0.19%	10,285	10,317	10,311	10,384	10,384	10,482	10,582	10,684	10,787	10,893

Notes:

California Water Service Company - Mid-Peninsula District (San Carlos)

Water Supply and Demand Analysis and Projections

SFR Historical & Projected Services

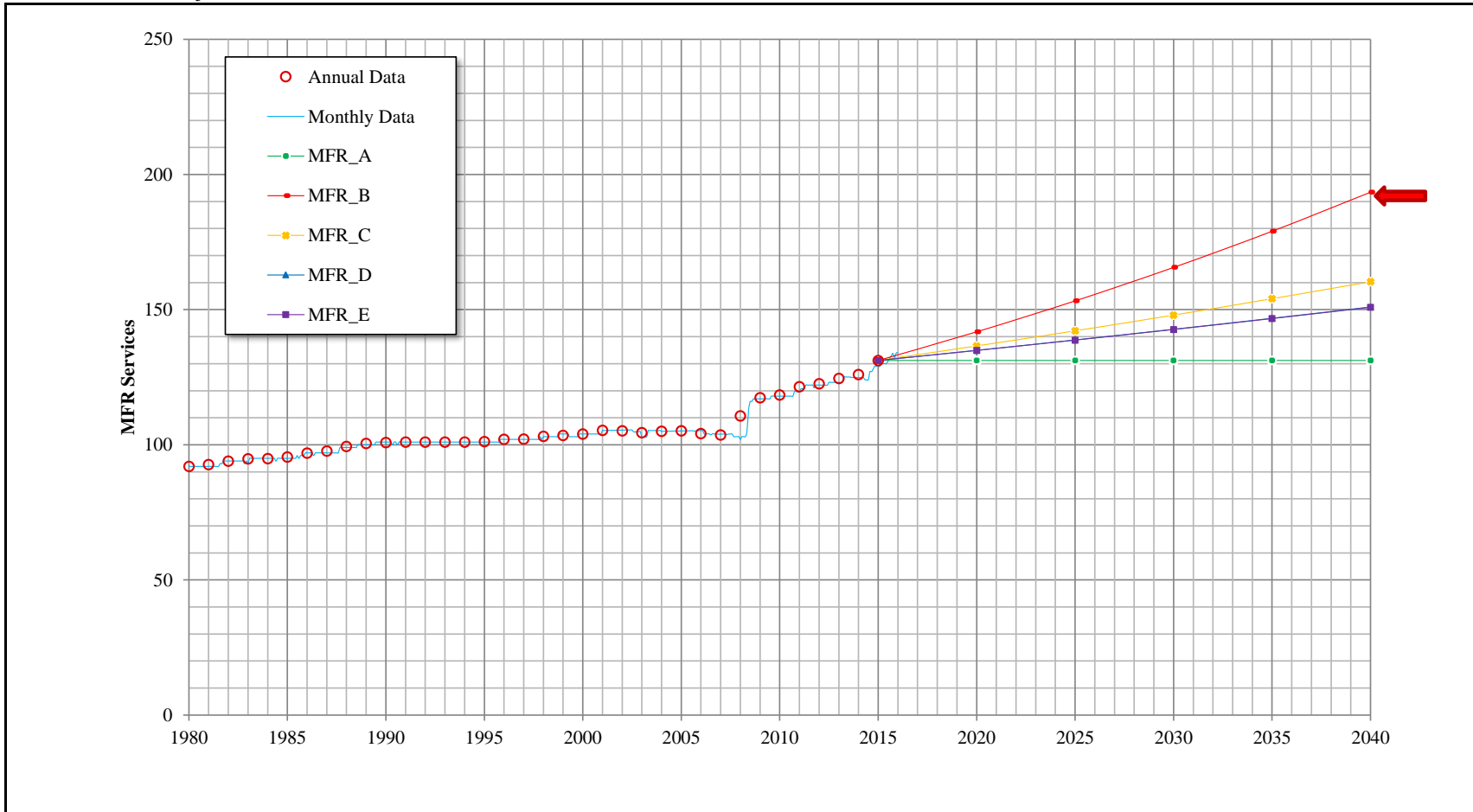


Customer Category	Trend		Growth Rate	Actual				Projected							
				2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040		
SFR				9,082	9,112	9,081	9,141								
	SFR_A	Zero Growth Rate	0.00%				9,141	9,141	9,141	9,141	9,141	9,141	9,141	9,141	9,141
	SFR_B	5 Yr. Avg.	0.13%				9,141	9,141	9,201	9,261	9,321	9,382	9,443	9,443	
	SFR_C	10 Yr. Avg.	0.03%				9,141	9,141	9,155	9,169	9,184	9,198	9,212	9,212	
	SFR_D	15 Yr. Avg.	0.04%				9,141	9,141	9,161	9,180	9,200	9,219	9,239	9,239	
	> SFR_E	20 Yr. Avg.	0.17%				9,141	9,141	9,218	9,296	9,375	9,454	9,534	9,534	

California Water Service Company - Mid-Peninsula District (San Carlos)

Water Supply and Demand Analysis and Projections

MFR Historical & Projected Services

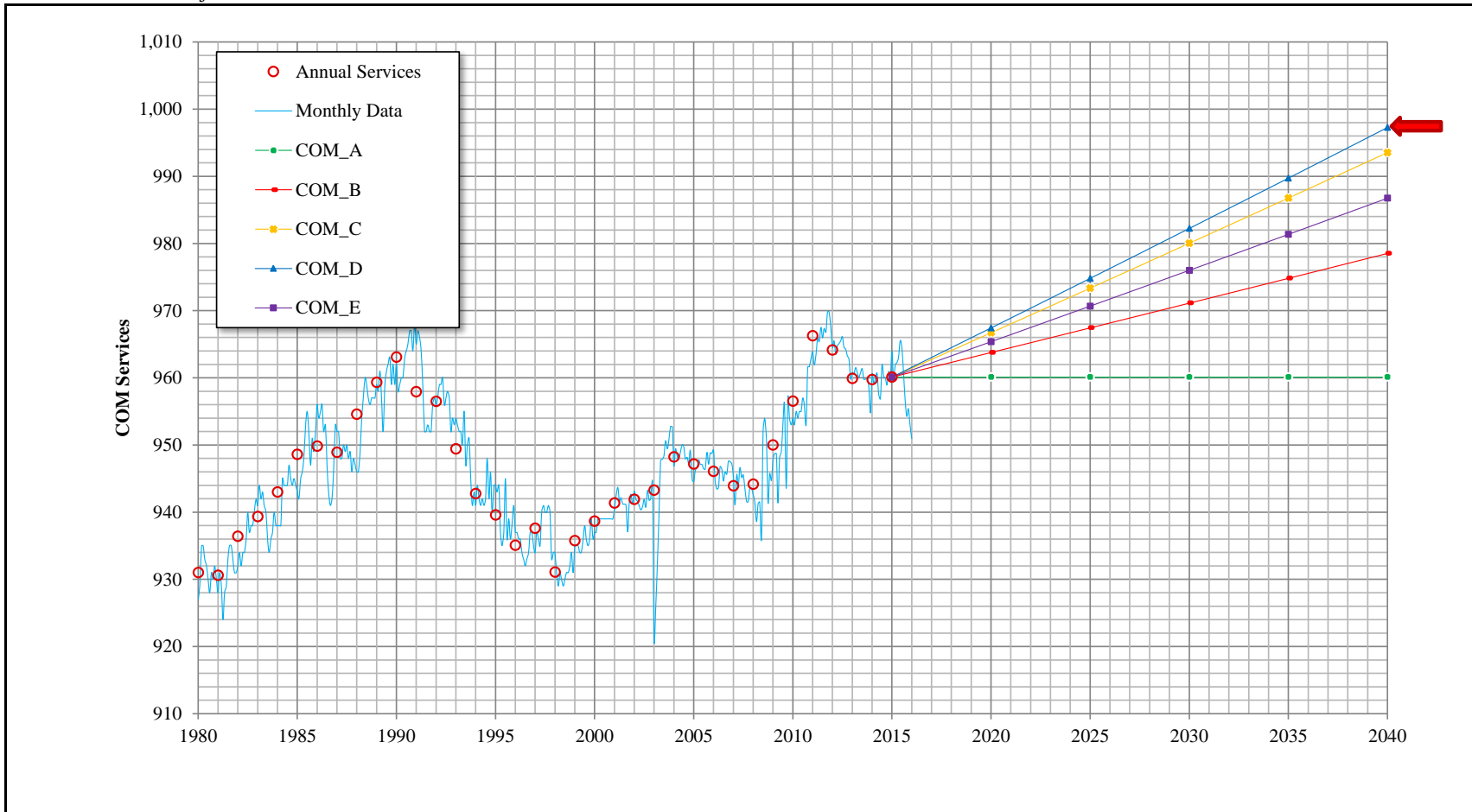


Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
MFR	MFR_A	Zero Growth Rate	104	105	118	131	131	131	131	131	131	131
	> MFR_B	5 Yr. Avg.				131	131	142	153	166	179	193
	MFR_C	10 Yr. Avg.				131	131	137	142	148	154	160
	MFR_D	15 Yr. Avg.				131	131	135	139	143	147	151
	MFR_E	20 Yr. Avg.				131	131	135	139	143	147	151

California Water Service Company - Mid-Peninsula District (San Carlos)

Water Supply and Demand Analysis and Projections

COM Historical & Projected Services

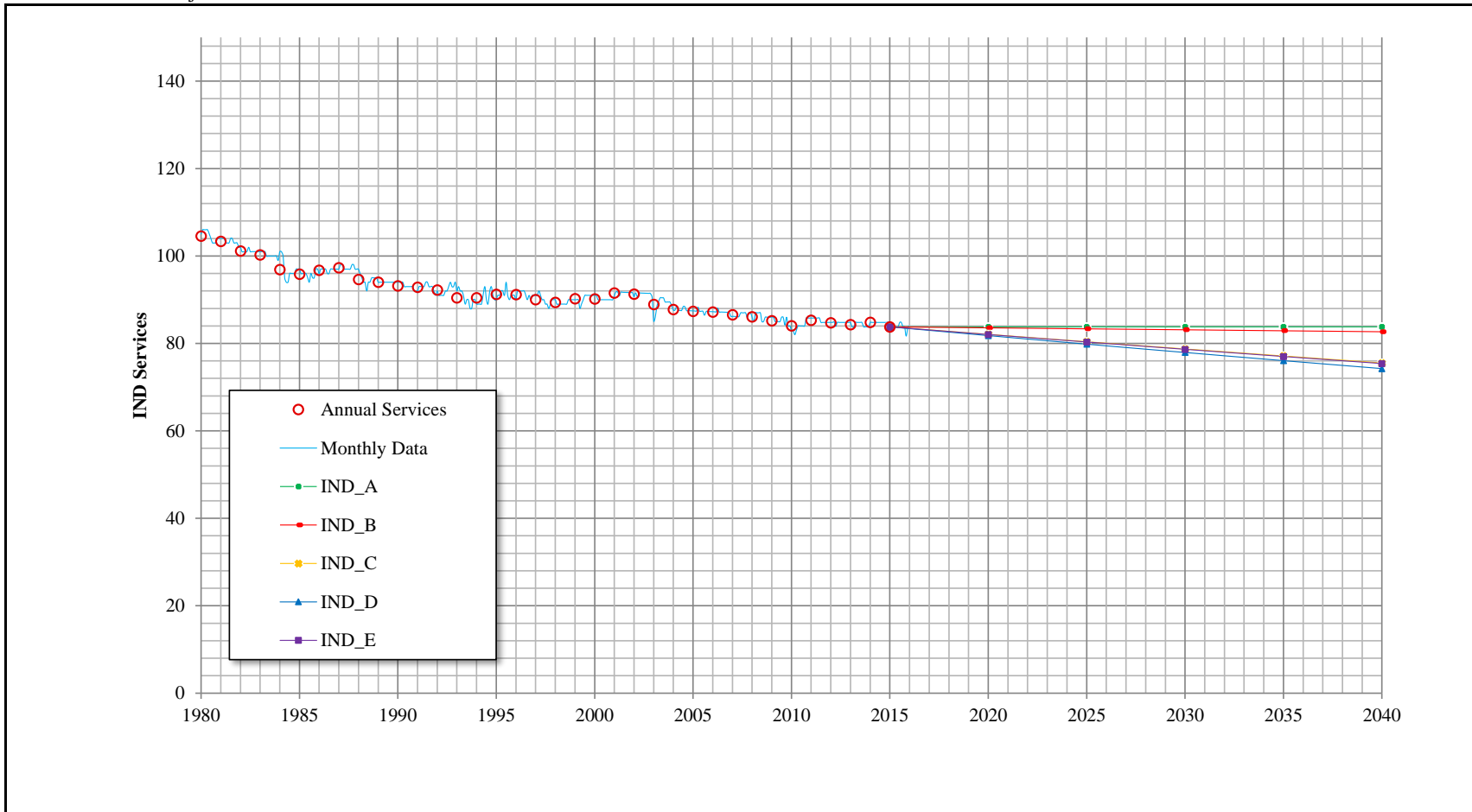


Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
COM	COM_A	Zero Growth Rate	939	947	957	960	960	960	960	960	960	960
	COM_B	5 Yr. Avg.				960	960	964	967	971	975	979
	COM_C	10 Yr. Avg.				960	960	967	973	980	987	994
	> COM_D	15 Yr. Avg.				960	960	967	975	982	990	997
	COM_E	20 Yr. Avg.				960	960	965	971	976	981	987

California Water Service Company - Mid-Peninsula District (San Carlos)

Water Supply and Demand Analysis and Projections

IND Historical & Projected Services

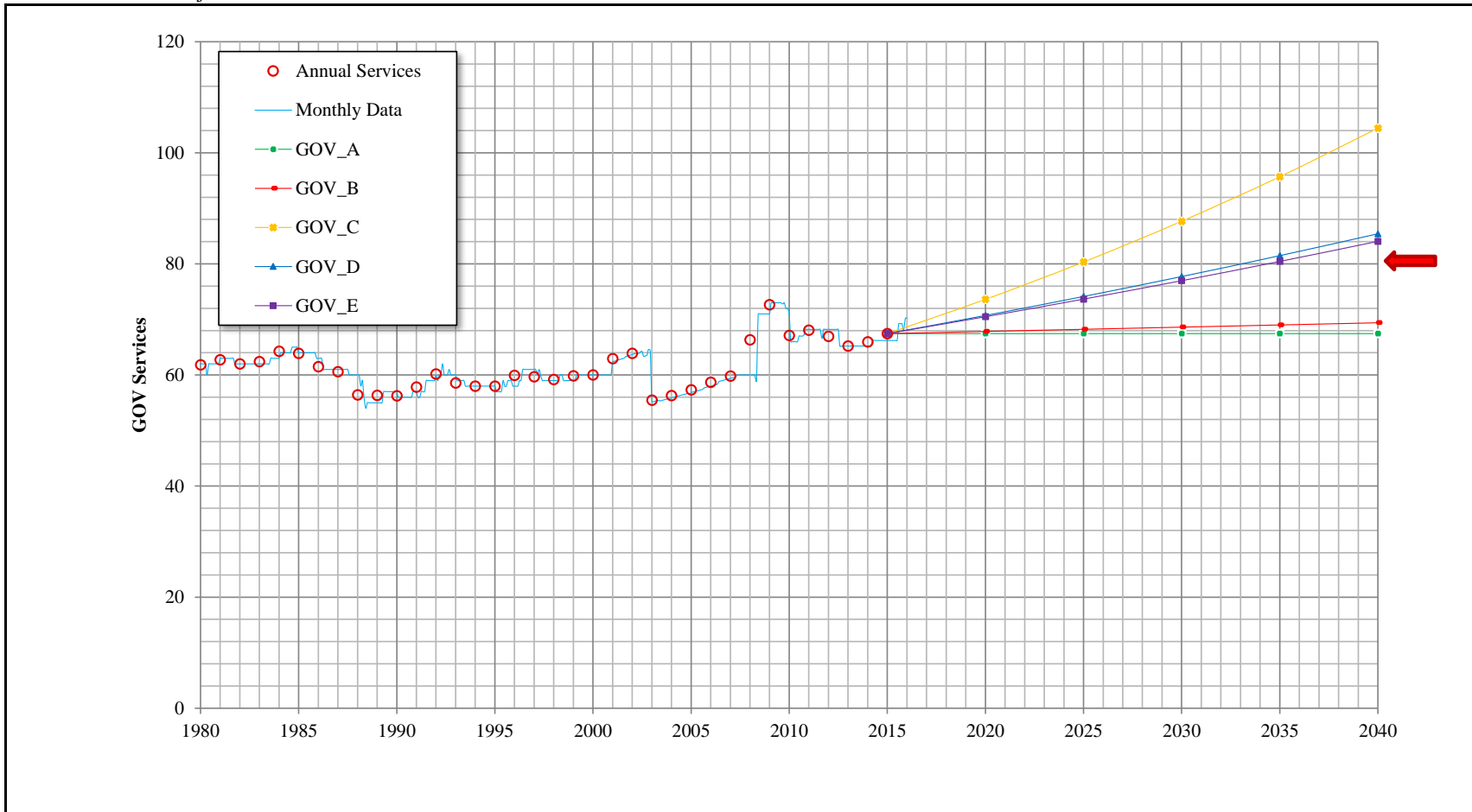


Customer Category	Trend		Growth Rate	Actual				Projected						
				2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040	
IND	>	IND_A	Zero Growth Rate	90	87	84	84	84	84	84	84	84	84	84
		IND_B	5 Yr. Avg.				84	84	84	83	83	83	83	83
		IND_C	10 Yr. Avg.				84	84	82	80	79	77	76	76
		IND_D	15 Yr. Avg.				84	84	82	80	78	76	74	74
		IND_E	20 Yr. Avg.				84	84	82	80	79	77	75	75

California Water Service Company - Mid-Peninsula District (San Carlos)

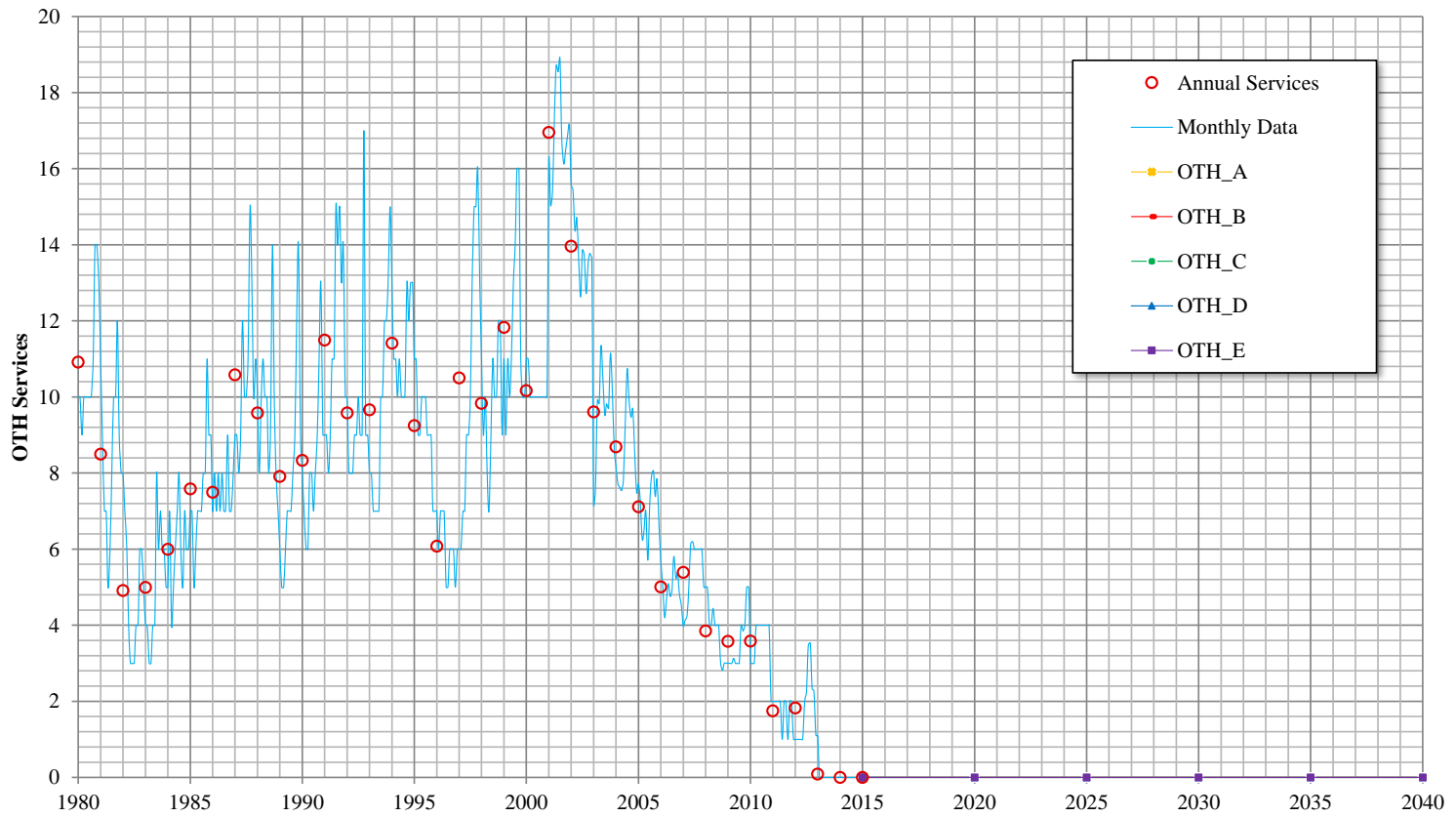
Water Supply and Demand Analysis and Projections

GOV 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		
GOV			60	57	67	67								
	GOV_A	Zero Growth Rate				67	67	67	67	67	67	67	67	67
	GOV_B	5 Yr. Avg.				67	67	68	68	69	69	69	69	69
	GOV_C	10 Yr. Avg.				67	67	74	80	88	96	104		
	GOV_D	15 Yr. Avg.				67	67	71	74	78	81	85		
	> GOV_E	20 Yr. Avg.				67	67	70	74	77	80	84		

California Water Service Company - Mid-Peninsula District (San Carlos)
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	>	OTH_A Zero Growth Rate	10	7	4	0	0	0	0	0	0	0
		OTH_B 5 Yr. Avg.				0	0	0	0	0	0	0
		OTH_C 10 Yr. Avg.				0	0	0	0	0	0	0
		OTH_D 15 Yr. Avg.				0	0	0	0	0	0	0
		OTH_E 20 Yr. Avg.				0	0	0	0	0	0	0

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California Water Service Company - Mid-Peninsula District (San Mateo)
Water Supply and Demand Analysis and Projections
Actual & Projected Annual Average Services

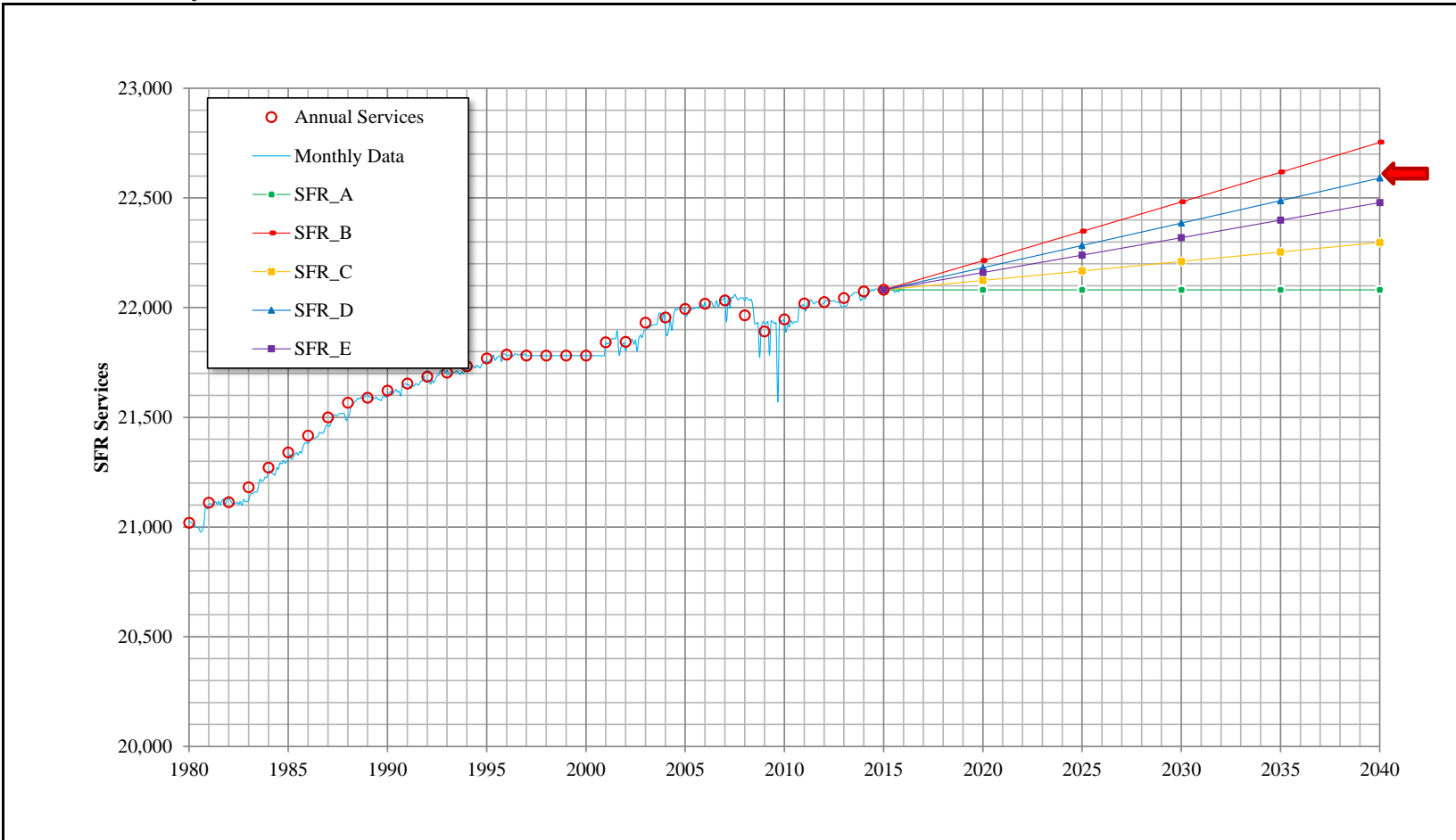
Customer Category	Selected Trend		Growth Rate	Actual Services				Projected Services						Total Increase
				2000	2005	2010	Base Year 2015	2015	2020	2025	2030	2035	2040	
SFR	SFR_B	5 Yr. Avg.	0.12%	21,781	21,994	21,947	22,081	22,081	22,214	22,347	22,482	22,617	22,753	672
MFR	MFR_B	5 Yr. Avg.	1.87%	472	474	512	584	584	640	702	770	845	926	343
COM	COM_E	20 Yr. Avg.	0.16%	2,340	2,371	2,425	2,410	2,410	2,429	2,448	2,468	2,487	2,507	97
IND	IND_A	Zero Growth Rate	0.00%	10	11	9	9	9	9	9	9	9	9	0
GOV	GOV_C	10 Yr. Avg.	1.17%	255	221	266	246	246	261	276	293	311	329	83
OTH	OTH_A	Zero Growth Rate	0.00%	9	17	24	45	45	45	45	45	45	45	0
TOTAL	Average growth rate 2014-2040		0.18%	24,867	25,087	25,183	25,375	25,375	25,598	25,829	26,067	26,314	26,570	1,195

Notes:

California Water Service Company - Mid-Peninsula District (San Mateo)

Water Supply and Demand Analysis and Projections

SFR Historical & Projected Services

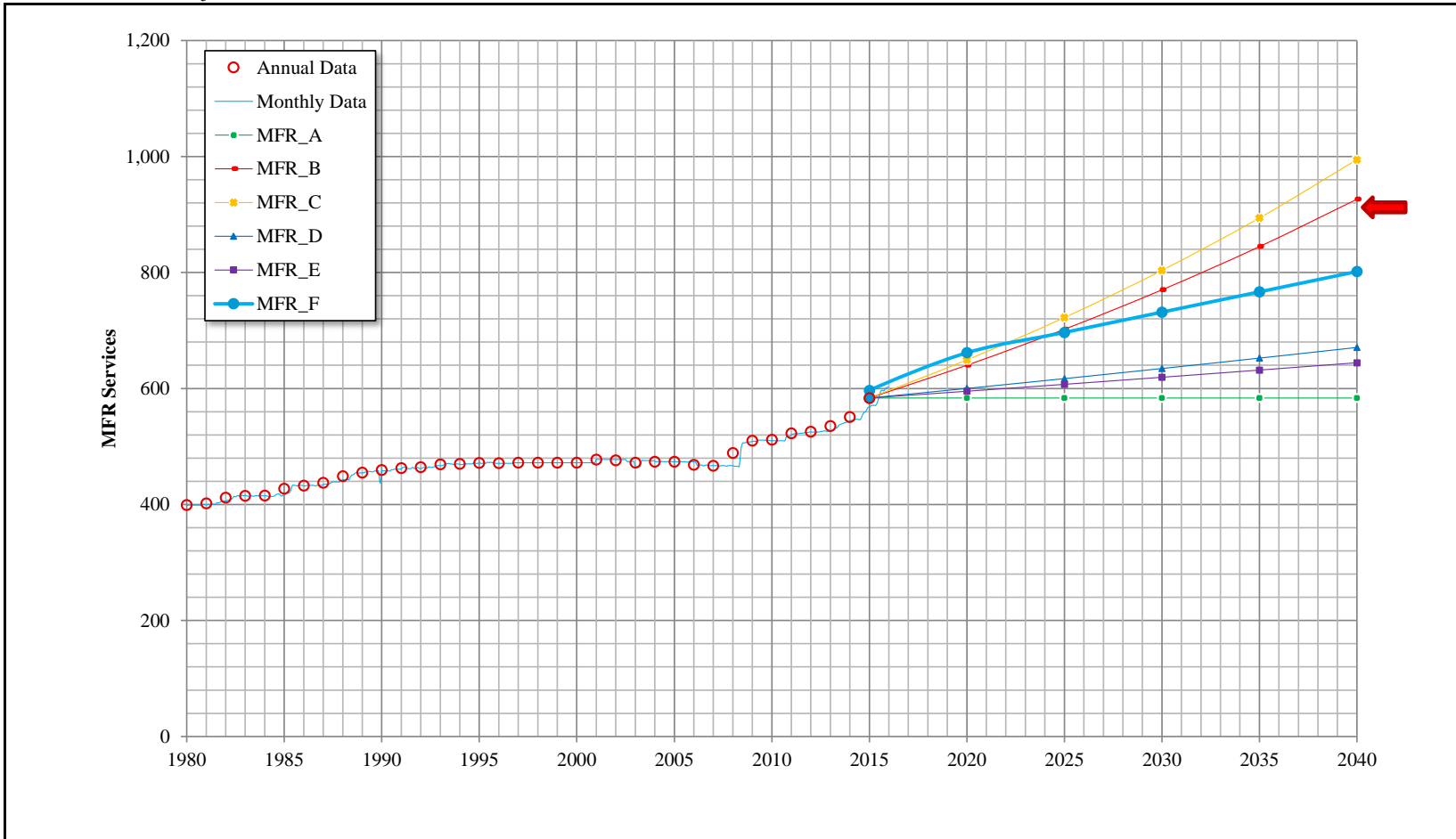


Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
SFR			21,781	21,994	21,947	22,081	22,081	22,081	22,081	22,081	22,081	22,081
	SFR_A	Zero Growth Rate				22,081	22,081	22,081	22,081	22,081	22,081	22,081
	SFR_B	5 Yr. Avg.				22,081	22,081	22,214	22,347	22,482	22,617	22,753
	SFR_C	10 Yr. Avg.				22,081	22,081	22,124	22,167	22,210	22,254	22,297
	SFR_D	15 Yr. Avg.				22,081	22,081	22,182	22,283	22,385	22,488	22,591
	SFR_E	20 Yr. Avg.				22,081	22,081	22,160	22,239	22,319	22,399	22,479

California Water Service Company - Mid-Peninsula District (San Mateo)

Water Supply and Demand Analysis and Projections

MFR Historical & Projected Services

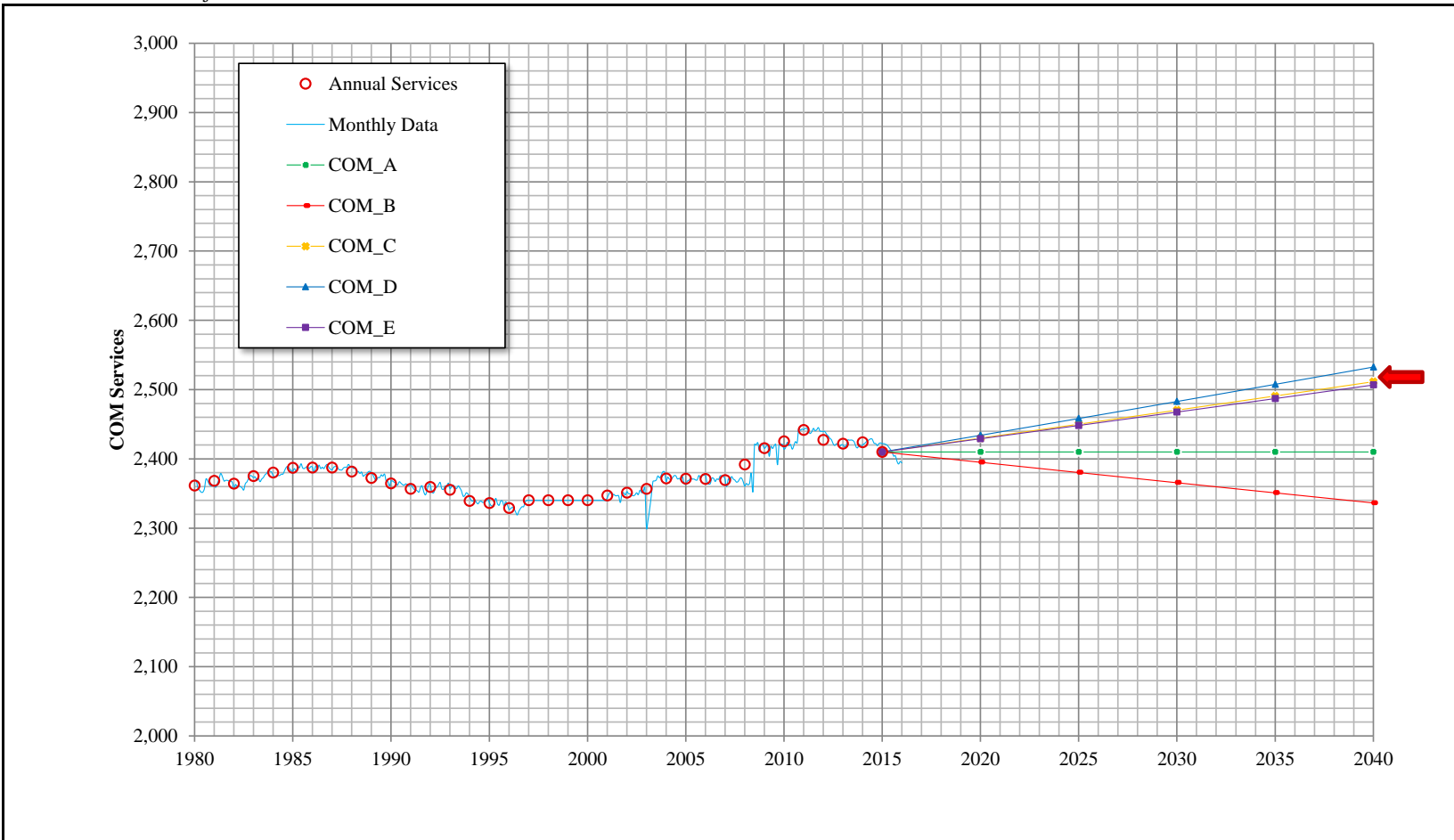


Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
MFR			472	474	512	584	584	584	584	584	584	584
	MFR_A	Zero Growth Rate				584	584	584	584	584	584	584
	MFR_B	5 Yr. Avg.				584	584	640	702	770	845	926
	MFR_C	10 Yr. Avg.				584	584	649	722	804	894	995
	MFR_D	15 Yr. Avg.				584	584	600	617	634	652	671
	MFR_E	20 Yr. Avg.				584	584	595	607	619	632	644
	MFR_F	City Growth Rate				584	597	662	697	732	767	802

California Water Service Company - Mid-Peninsula District (San Mateo)

Water Supply and Demand Analysis and Projections

COM Historical & Projected Services

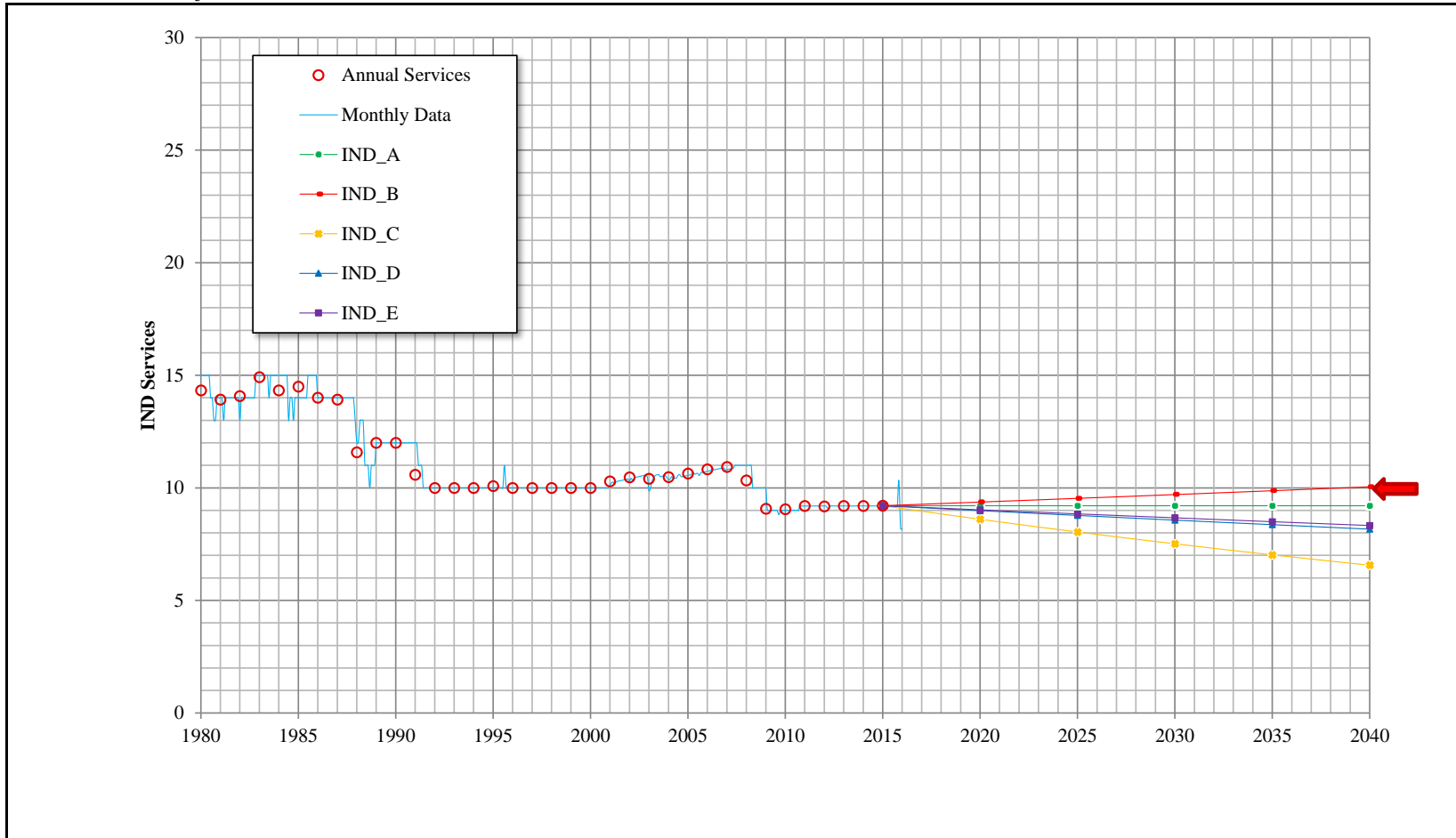


Customer Category	Trend	Growth Rate	Actual				Projected							
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040		
COM			2,340	2,371	2,425	2,410								
	COM_A	Zero Growth Rate				2,410	2,410	2,410	2,410	2,410	2,410	2,410	2,410	2,410
	COM_B	5 Yr. Avg.				2,410	2,410	2,395	2,380	2,366	2,351	2,336	2,336	
	COM_C	10 Yr. Avg.				2,410	2,410	2,430	2,450	2,470	2,491	2,511	2,511	
	COM_D	15 Yr. Avg.				2,410	2,410	2,434	2,458	2,483	2,508	2,533	2,533	
	> COM_E	20 Yr. Avg.				2,410	2,410	2,429	2,448	2,468	2,487	2,507	2,507	

California Water Service Company - Mid-Peninsula District (San Mateo)

Water Supply and Demand Analysis and Projections

IND Historical & Projected Services

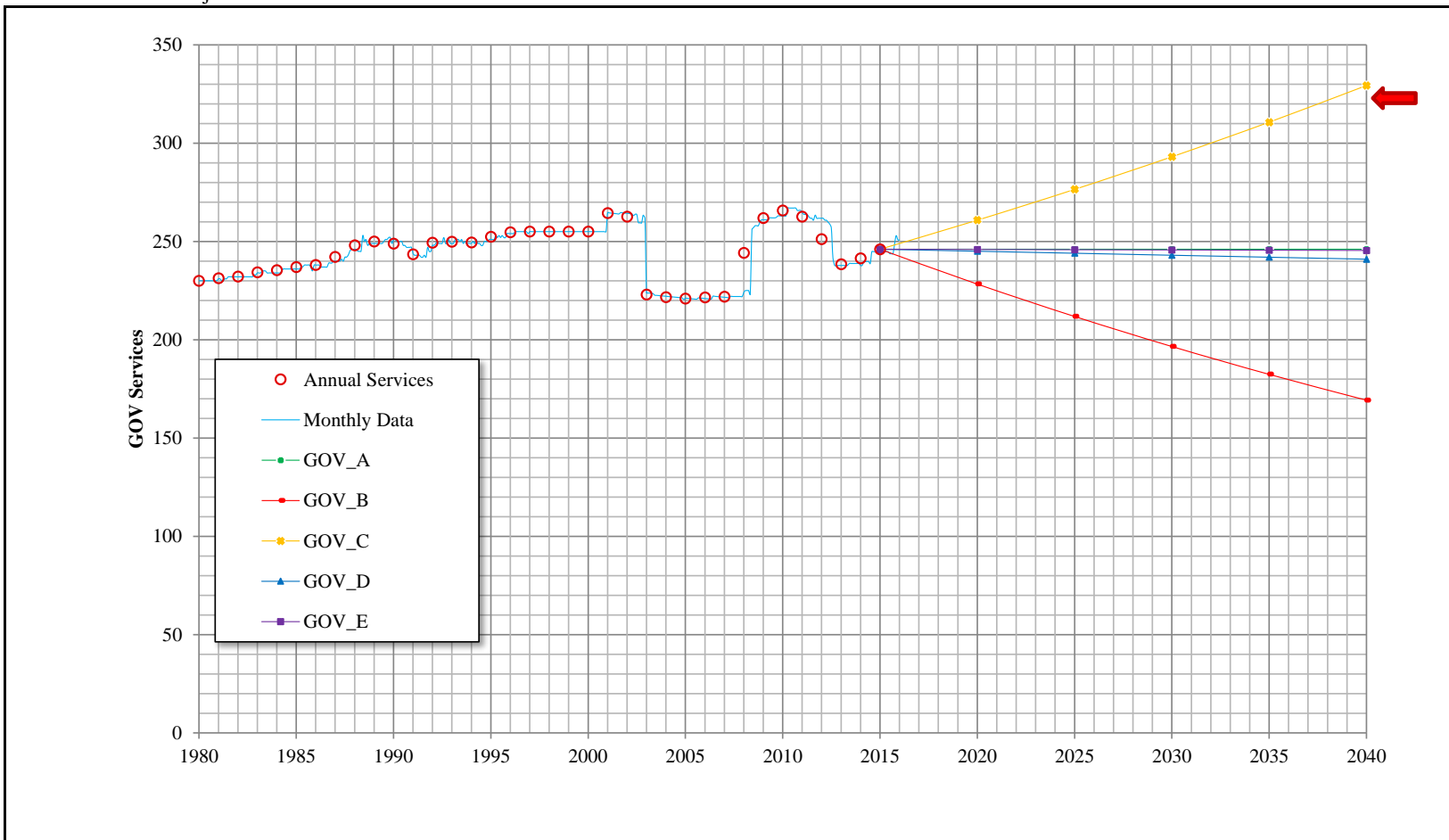


Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
IND	> IND_A	Zero Growth Rate	10	11	9	9	9	9	9	9	9	9
	IND_B	5 Yr. Avg.				9	9	9	10	10	10	10
	IND_C	10 Yr. Avg.				9	9	9	8	8	7	7
	IND_D	15 Yr. Avg.				9	9	9	9	9	8	8
	IND_E	20 Yr. Avg.				9	9	9	9	9	8	8

California Water Service Company - Mid-Peninsula District (San Mateo)

Water Supply and Demand Analysis and Projections

GOV Historical & Projected Services

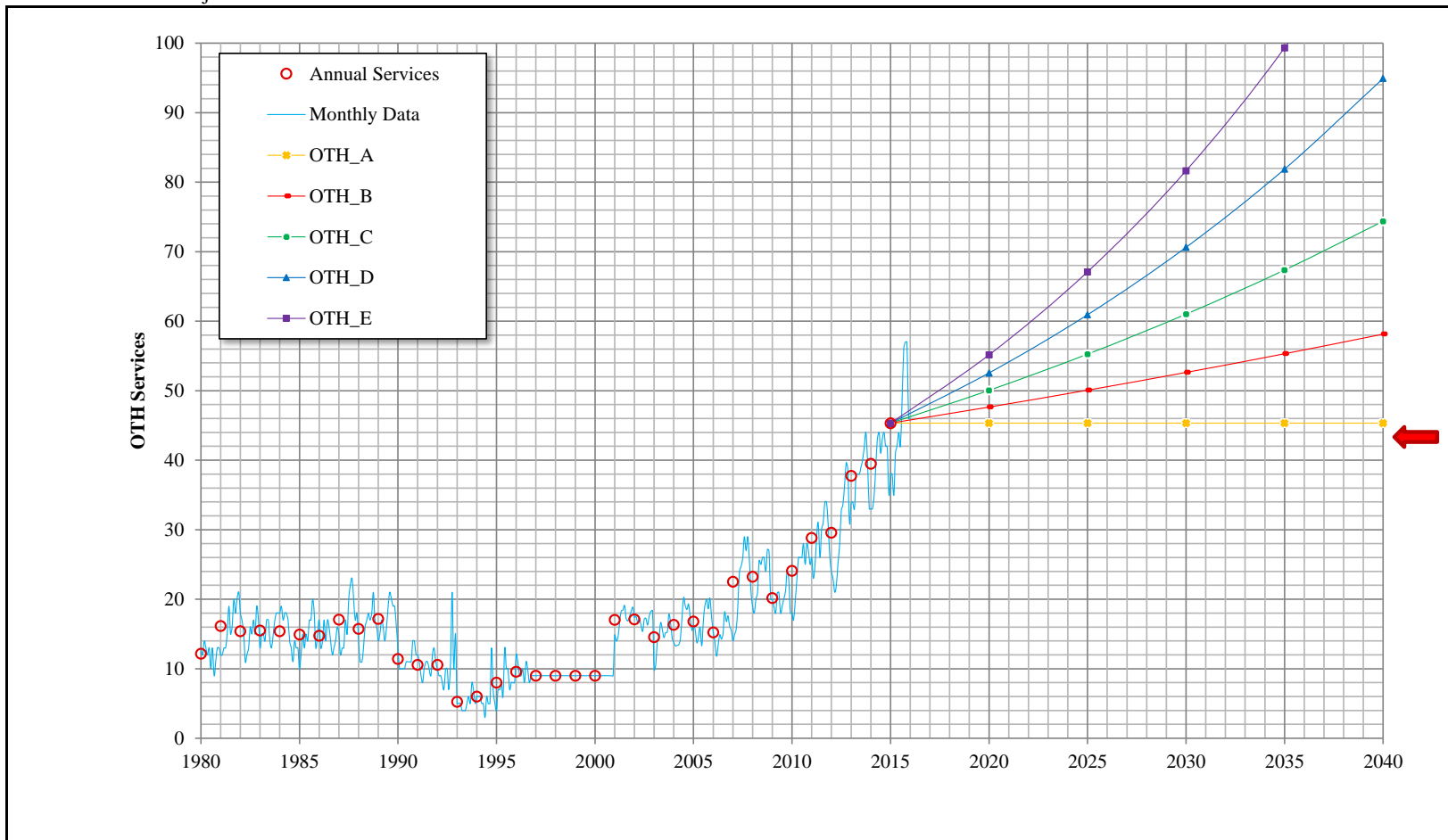


Customer Category	Trend	Growth Rate	Actual				Projected					
			2000	2005	2010	Base Year 2015	Services 2015	Services 2020	Services 2025	Services 2030	Services 2035	Services 2040
GOV			255	221	266	246	246	246	246	246	246	246
	GOV_A	Zero Growth Rate				246	246	246	246	246	246	246
	GOV_B	5 Yr. Avg.				246	246	228	212	197	182	169
	GOV_C	10 Yr. Avg.				246	246	261	276	293	311	329
	GOV_D	15 Yr. Avg.				246	246	245	244	243	242	241
	GOV_E	20 Yr. Avg.				246	246	246	246	246	246	245

California Water Service Company - Mid-Peninsula District (San Mateo)

Water Supply and Demand Analysis and Projections

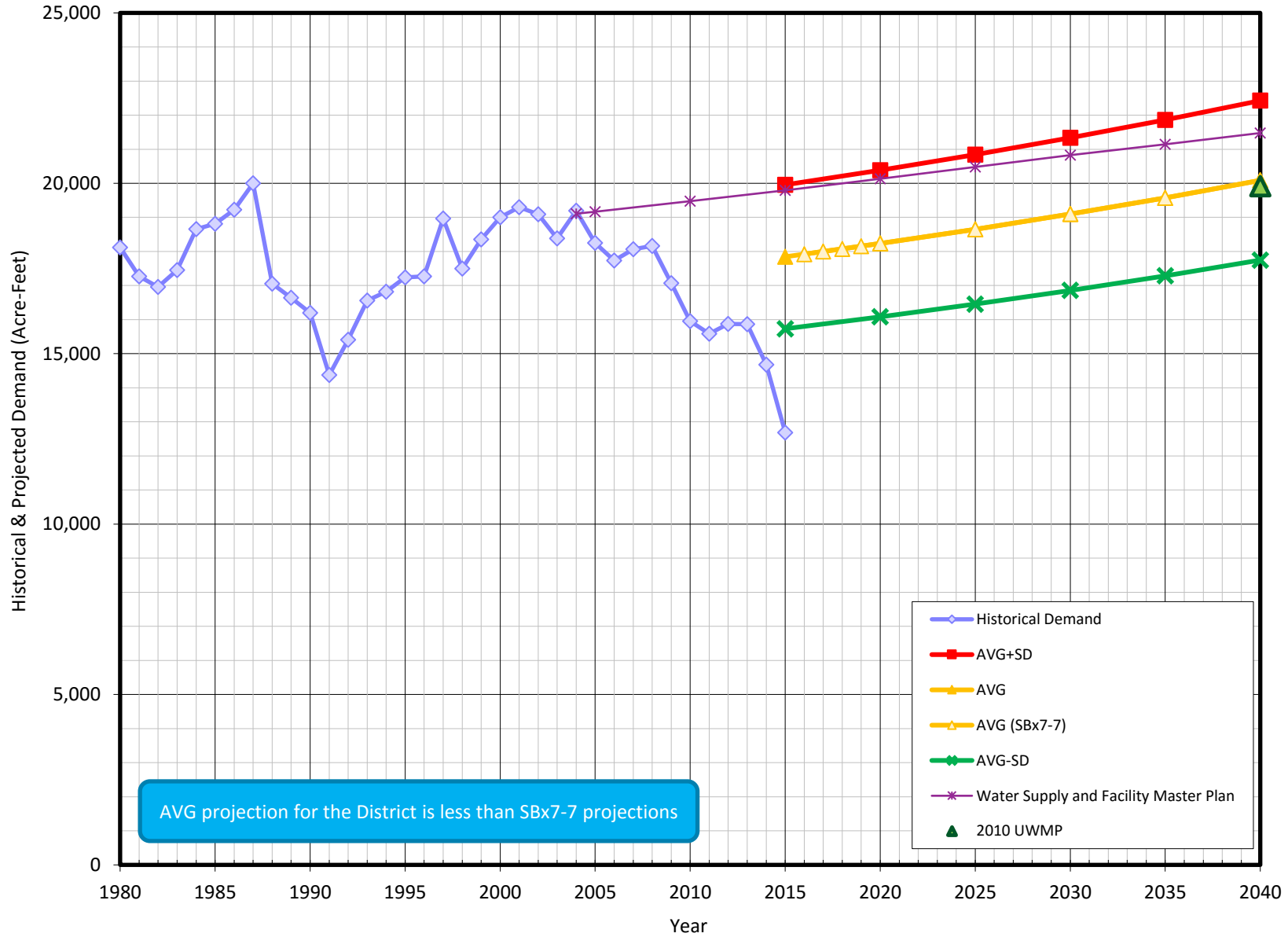
OTH Historical & Projected Services



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	> OTH_A	Zero Growth Rate	9	17	24	45	45	45	45	45	45	45
	OTH_B	1% growth rate				45	45	48	50	53	55	58
	OTH_C	2% growth rate				45	45	50	55	61	67	74
	OTH_D	3% growth rate				45	45	53	61	71	82	95
	OTH_E	4% growth rate				45	45	55	67	82	99	121

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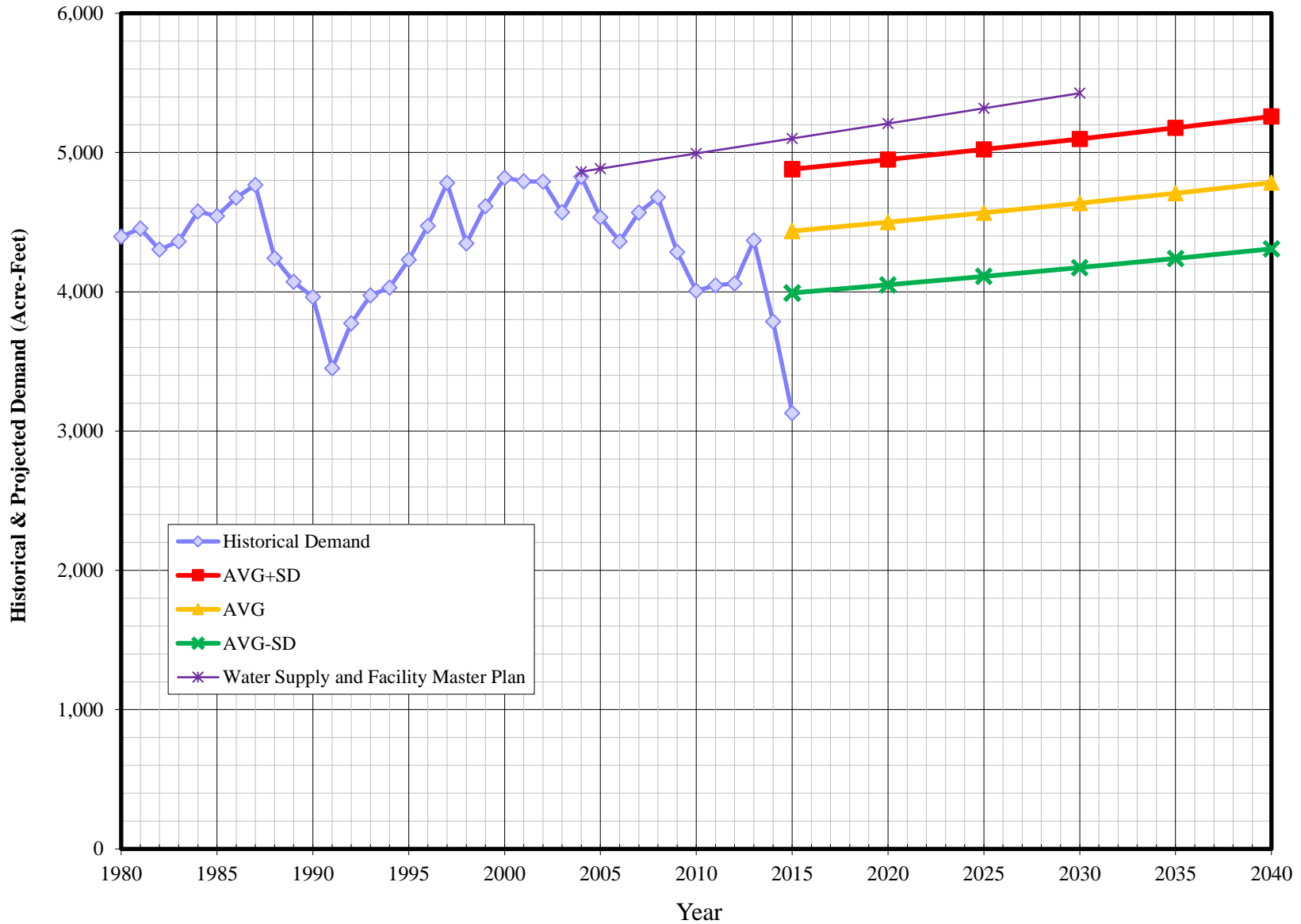
Historical & Projected Demand (MPS) (Combined)



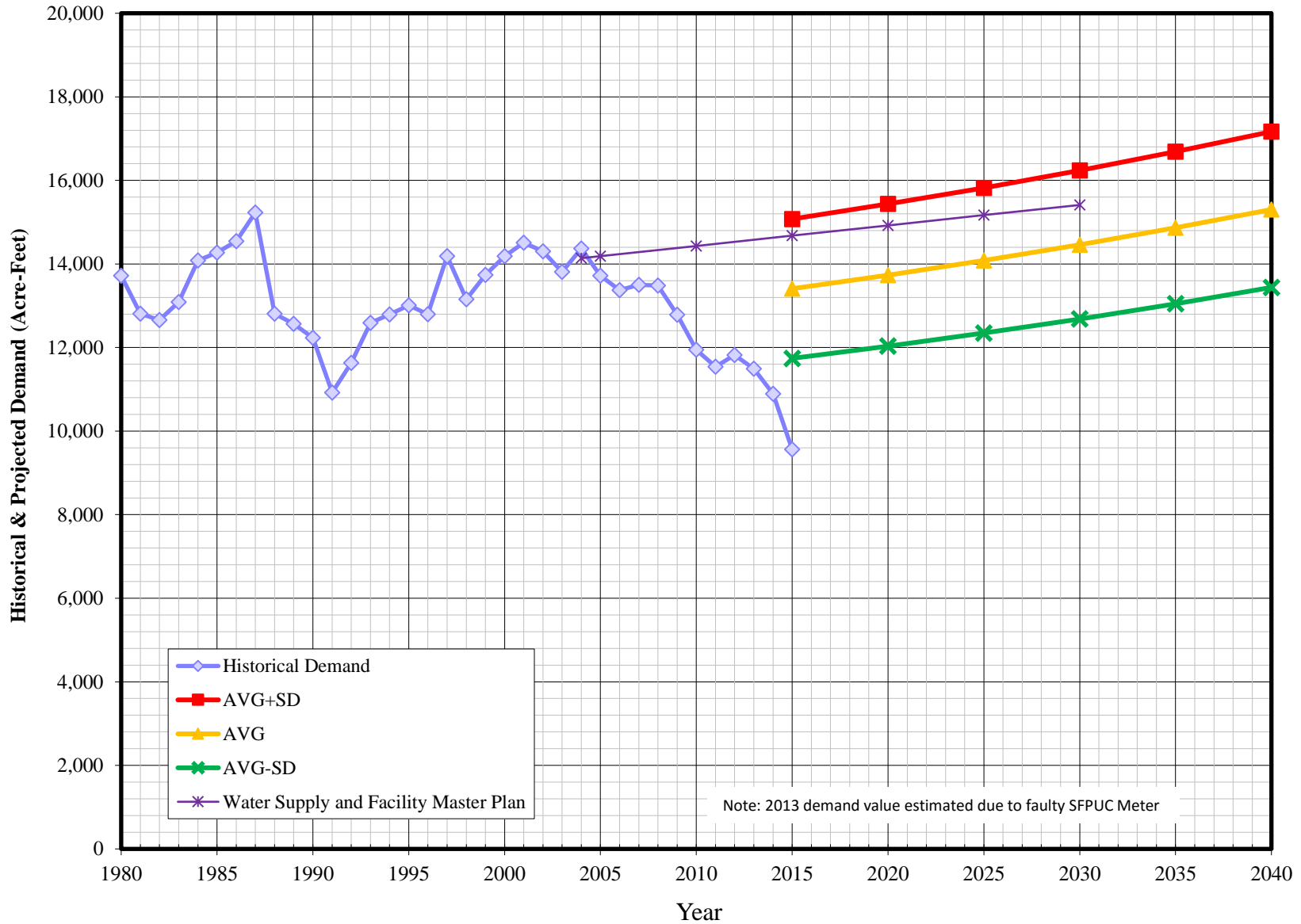
AVG projection for the District is less than SBx7-7 projections

- Historical Demand
- AVG+SD
- AVG
- AVG (SBx7-7)
- AVG-SD
- Water Supply and Facility Master Plan
- 2010 UWMP

Historical & Projected Demand (San Carlos)



Historical & Projected Demand (San Mateo)



California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Actual & Projected Demand in Acre-Feet

Worksheet 9

Customer Category	Actual Demand (AFY)								Projected Demand (AFY)					
	1980	1985	1990	1995	2000	2005	2010	2015	2015	2020	2025	2030	2035	2040
SFR	9,326	10,222	8,635	9,603	11,025	10,217	9,029	6,691	10,786	10,859	10,932	11,006	11,081	11,156
									9,935	10,002	10,070	10,138	10,207	10,276
									9,084	9,146	9,208	9,270	9,333	9,396
MFR	1,812	2,044	2,037	2,244	2,448	2,230	2,177	1,861	2,827	3,095	3,388	3,710	4,062	4,448
									2,584	2,829	3,097	3,391	3,713	4,065
									2,341	2,563	2,806	3,072	3,363	3,682
COM	3,258	3,473	3,334	3,204	3,452	3,407	2,795	2,549	3,519	3,547	3,575	3,603	3,631	3,660
									3,176	3,201	3,226	3,251	3,277	3,303
									2,833	2,855	2,878	2,900	2,923	2,946
IND	673	355	234	157	155	126	59	47	108	108	108	108	108	108
									82	82	82	82	82	82
									56	56	56	56	56	56
GOV	767	843	741	817	876	694	666	656	848	897	949	1,003	1,061	1,122
									771	815	862	912	964	1,020
									693	733	775	820	867	917
OTH	64	56	39	31	132	202	122	117	527	527	527	527	527	527
									366	366	366	366	366	366
									205	205	205	205	205	205
UAWF	2,217	1,823	1,174	1,183	917	1,377	1,108	768	1,340	1,352	1,365	1,377	1,391	1,404
									931	939	947	956	965	975
									521	525	530	535	540	545
TOTAL (AFY)	18,117	18,815	16,195	17,240	19,004	18,253	15,956	12,689	19,956	20,385	20,844	21,335	21,861	22,425
									17,844	18,234	18,650	19,096	19,574	20,086
									15,732	16,082	16,457	16,857	17,287	17,747
TOTAL (MGD)	16.17	16.80	14.46	15.39	16.97	16.30	14.24	11.33	17.82	18.20	18.61	19.05	19.52	20.02
									15.93	16.28	16.65	17.05	17.47	17.93
									14.04	14.36	14.69	15.05	15.43	15.84

California Water Service Company - Mid-Peninsula District (San Carlos)
Water Supply and Demand Analysis and Projections
Actual & Projected Demand in Acre-Feet

Worksheet 9

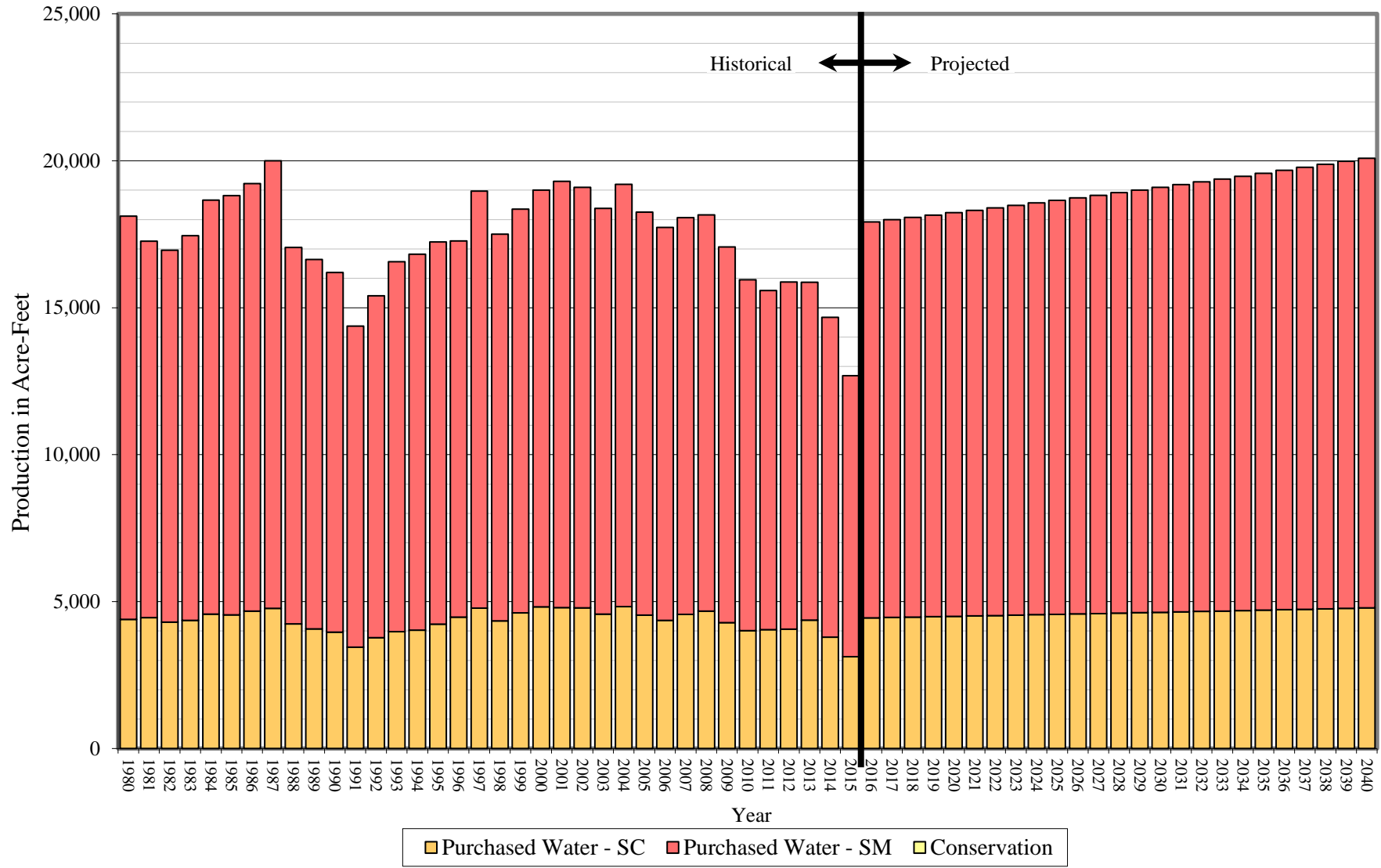
Customer Category	Actual Demand (AFY)								Projected Demand (AFY)						
	1980	1985	1990	1995	2000	2005	2010	2015	2015	2015	2020	2025	2030	2035	2040
SFR	2,470	2,809	2,416	2,766	3,303	3,135	2,769	2,032	3,319	3,319	3,347	3,375	3,404	3,432	3,461
									3,060	3,060	3,086	3,112	3,139	3,165	3,192
									2,802	2,802	2,826	2,849	2,874	2,898	2,922
MFR	240	272	240	260	295	259	266	232	336	336	363	392	424	458	495
									315	315	341	368	398	430	465
									294	294	318	344	372	402	434
COM	587	673	718	657	685	658	571	522	686	686	691	697	702	707	713
									642	642	647	651	656	661	666
									597	597	602	606	611	616	620
IND	640	328	216	148	143	116	54	42	100	100	100	100	100	100	100
									75	75	75	75	75	75	75
									50	50	50	50	50	50	50
GOV	142	128	74	110	99	114	95	89	145	145	151	158	165	173	180
									126	126	132	138	144	151	157
									108	108	113	118	123	129	134
OTH	53	47	35	27	23	10	12	0	0	0	0	0	0	0	0
									0	0	0	0	0	0	0
									0	0	0	0	0	0	0
UAWF	265	289	265	261	271	243	240	212	295	295	297	300	303	306	309
									217	217	220	222	224	226	228
									140	140	142	143	144	146	147
TOTAL (AFY)	4,396	4,544	3,964	4,230	4,819	4,535	4,007	3,128	4,880	4,880	4,950	5,022	5,098	5,177	5,259
									4,436	4,436	4,500	4,566	4,636	4,708	4,784
									3,992	3,992	4,050	4,111	4,174	4,240	4,308
TOTAL (MGD)	3.925	4.057	3.538	3.776	4.302	4.049	3.578	2.793	4.357	4.357	4.419	4.484	4.551	4.621	4.695
									3.960	3.960	4.017	4.077	4.139	4.203	4.271
									3.564	3.564	3.616	3.670	3.726	3.785	3.846

California Water Service Company - Mid-Peninsula District (San Mateo)
Water Supply and Demand Analysis and Projections
Actual & Projected Demand in Acre-Feet

Worksheet 9

Customer Category	Actual Demand (AFY)								Projected Demand (AFY)					
	1980	1985	1990	1995	2000	2005	2010	2015	2015	2020	2025	2030	2035	2040
SFR	6,856	7,414	6,220	6,837	7,722	7,083	6,259	4,659	7,467	7,512	7,557	7,603	7,648	7,694
									6,875	6,916	6,958	7,000	7,042	7,084
									6,283	6,320	6,358	6,397	6,435	6,474
MFR	1,572	1,772	1,798	1,984	2,153	1,971	1,911	1,629	2,491	2,732	2,996	3,286	3,604	3,953
									2,268	2,488	2,729	2,993	3,283	3,600
									2,046	2,244	2,462	2,700	2,961	3,248
COM	2,671	2,800	2,616	2,547	2,767	2,748	2,224	2,027	2,833	2,856	2,878	2,901	2,924	2,947
									2,535	2,555	2,575	2,595	2,616	2,636
									2,236	2,253	2,271	2,289	2,307	2,325
IND	33	27	18	10	12	10	5	5	8	8	8	8	8	8
									7	7	7	7	7	7
									6	6	6	6	6	6
GOV	625	715	667	707	777	579	571	567	704	746	791	838	889	942
									644	683	724	767	813	862
									585	620	657	697	738	783
OTH	11	9	4	4	108	192	111	117	527	527	527	527	527	527
									366	366	366	366	366	366
									205	205	205	205	205	205
UAWF	1,953	1,534	910	922	646	1,134	868	556	1,046	1,055	1,065	1,074	1,085	1,095
									713	719	726	733	739	747
									380	384	387	391	394	398
TOTAL (AFY)	13,721	14,271	12,232	13,011	14,185	13,718	11,948	9,560	15,076	15,435	15,822	16,237	16,685	17,166
									13,408	13,734	14,084	14,460	14,866	15,303
									11,740	12,032	12,346	12,684	13,047	13,439
TOTAL (MGD)	12.249	12.740	10.920	11.615	12.664	12.247	10.667	8.535	13.459	13.780	14.125	14.496	14.895	15.325
									11.970	12.261	12.573	12.910	13.271	13.661
									10.481	10.742	11.022	11.323	11.648	11.997

Historical and Projected Distribution of Demand by Source

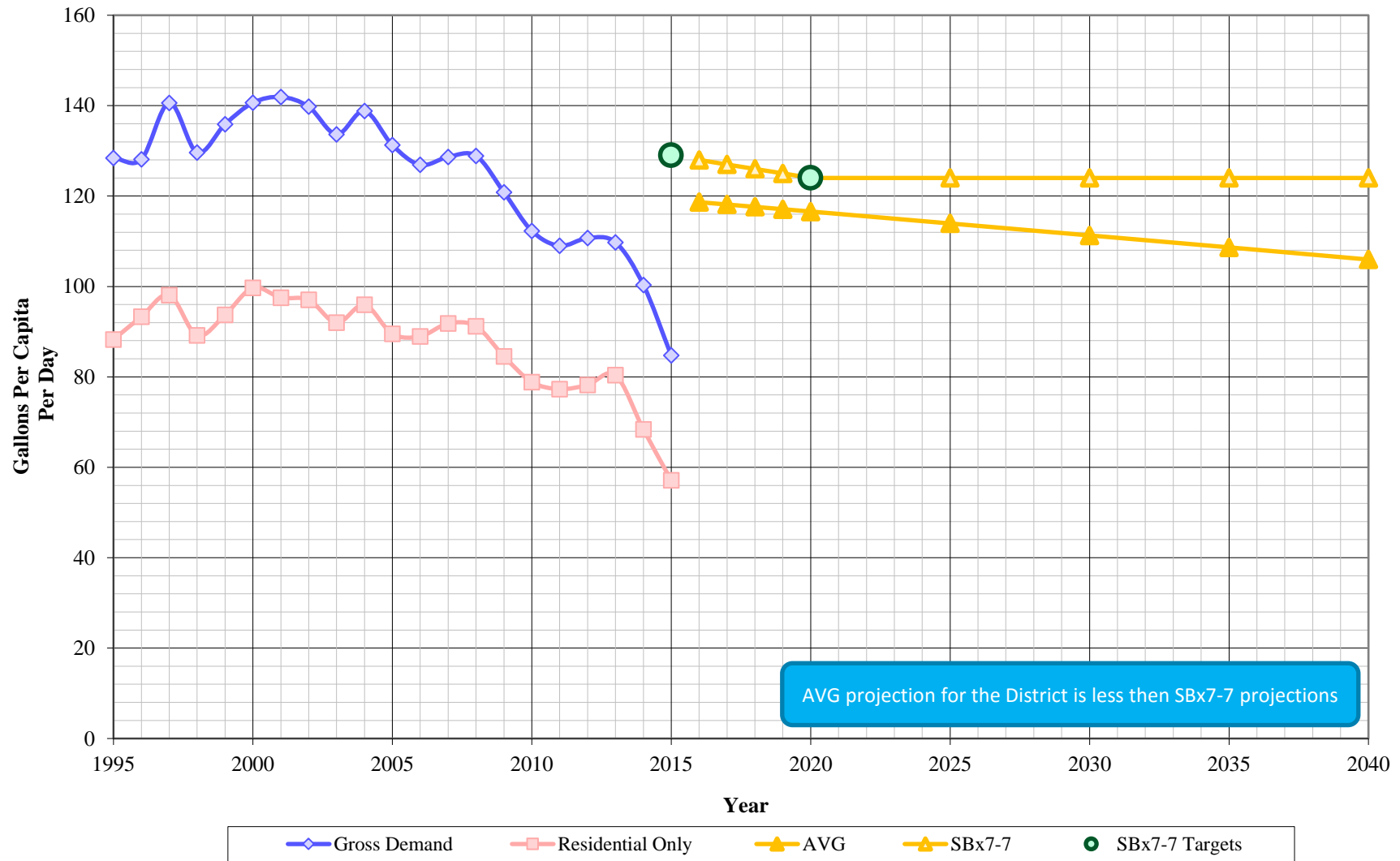


California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Historical and Projected Distribution of Demand by Source

Worksheet 10

Year	Purchased Water - SM		Purchased Water - SC		Conservation		Total		Year	Purchased Water - SM		Purchased Water - SC		Conservation		Total	
	MGD	AFY	MGD	AFY	MGD	AFY	MGD	AFY		MGD	AFY	MGD	AFY	MGD	AFY	MGD	AFY
1980	12.25	13,721	3.92	4,396			16.17	18,117									
1981	11.44	12,812	3.98	4,454			15.41	17,266	2011	10.30	11,541	3.61	4,047	0.00	0	13.92	15,588
1982	11.30	12,659	3.84	4,303			15.14	16,961	2012	10.55	11,818	3.62	4,059	0.00	0	14.17	15,877
1983	11.69	13,090	3.89	4,362			15.58	17,452	2013	10.26	11,495	3.90	4,369	0.00	0	14.16	15,864
1984	12.57	14,083	4.09	4,577			16.66	18,659	2014	9.72	10,890	3.38	3,786	0.00	0	13.10	14,675
1985	12.74	14,271	4.06	4,544			16.80	18,815	2015	8.53	9,560	2.79	3,128	0.00	0	11.33	12,689
1986	12.99	14,546	4.18	4,677			17.16	19,222	2016	12.03	13,471	3.97	4,449	0.00	0	16.00	17,920
1987	13.60	15,230	4.26	4,768			17.85	19,998	2017	12.08	13,536	3.98	4,461	0.00	0	16.07	17,997
1988	11.44	12,811	3.79	4,241			15.22	17,052	2018	12.14	13,601	3.99	4,474	0.00	0	16.14	18,075
1989	11.22	12,567	3.64	4,072			14.85	16,640	2019	12.20	13,667	4.01	4,487	0.00	0	16.21	18,154
1990	10.92	12,232	3.54	3,964			14.46	16,195	2020	12.26	13,734	4.02	4,500	0.00	0	16.28	18,234
1991	9.75	10,924	3.08	3,452			12.83	14,376	2021	12.32	13,802	4.03	4,513	0.00	0	16.35	18,315
1992	10.38	11,632	3.37	3,774			13.75	15,406	2022	12.38	13,871	4.04	4,526	0.00	0	16.42	18,397
1993	11.24	12,589	3.55	3,974			14.79	16,563	2023	12.45	13,941	4.05	4,540	0.00	0	16.50	18,480
1994	11.42	12,792	3.60	4,030			15.02	16,822	2024	12.51	14,012	4.06	4,553	0.00	0	16.57	18,565
1995	11.62	13,011	3.78	4,230			15.39	17,240	2025	12.57	14,084	4.08	4,566	0.00	0	16.65	18,650
1996	11.43	12,799	3.99	4,472			15.42	17,271	2026	12.64	14,157	4.09	4,580	0.00	0	16.73	18,737
1997	12.66	14,185	4.27	4,782			16.93	18,966	2027	12.70	14,231	4.10	4,594	0.00	0	16.81	18,825
1998	11.74	13,153	3.88	4,347			15.62	17,500	2028	12.77	14,307	4.11	4,608	0.00	0	16.89	18,914
1999	12.27	13,739	4.12	4,614			16.38	18,353	2029	12.84	14,383	4.13	4,622	0.00	0	16.97	19,005
2000	12.66	14,185	4.30	4,819			16.97	19,004	2030	12.91	14,460	4.14	4,636	0.00	0	17.05	19,096
2001	12.95	14,506	4.28	4,794			17.23	19,300	2031	12.98	14,539	4.15	4,650	0.00	0	17.13	19,189
2002	12.77	14,305	4.28	4,791			17.05	19,095	2032	13.05	14,619	4.16	4,664	0.00	0	17.22	19,283
2003	12.33	13,812	4.08	4,572			16.41	18,383	2033	13.12	14,700	4.18	4,679	0.00	0	17.30	19,379
2004	12.83	14,371	4.31	4,826			17.14	19,197	2034	13.20	14,782	4.19	4,693	0.00	0	17.39	19,476
2005	12.25	13,718	4.05	4,535			16.30	18,253	2035	13.27	14,866	4.20	4,708	0.00	0	17.47	19,574
2006	11.94	13,372	3.89	4,362			15.83	17,735	2036	13.35	14,951	4.22	4,723	0.00	0	17.56	19,674
2007	12.05	13,499	4.08	4,569			16.13	18,068	2037	13.42	15,037	4.23	4,738	0.00	0	17.65	19,775
2008	12.03	13,480	4.18	4,679			16.21	18,159	2038	13.50	15,124	4.24	4,753	0.00	0	17.75	19,877
2009	11.41	12,783	3.83	4,285			15.24	17,068	2039	13.58	15,213	4.26	4,768	0.00	0	17.84	19,981
2010	10.67	11,948	3.58	4,007			14.24	15,956	2040	13.66	15,303	4.27	4,784	0.00	0	17.93	20,086

Per Capita Consumption (MPS) (combined)



California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections

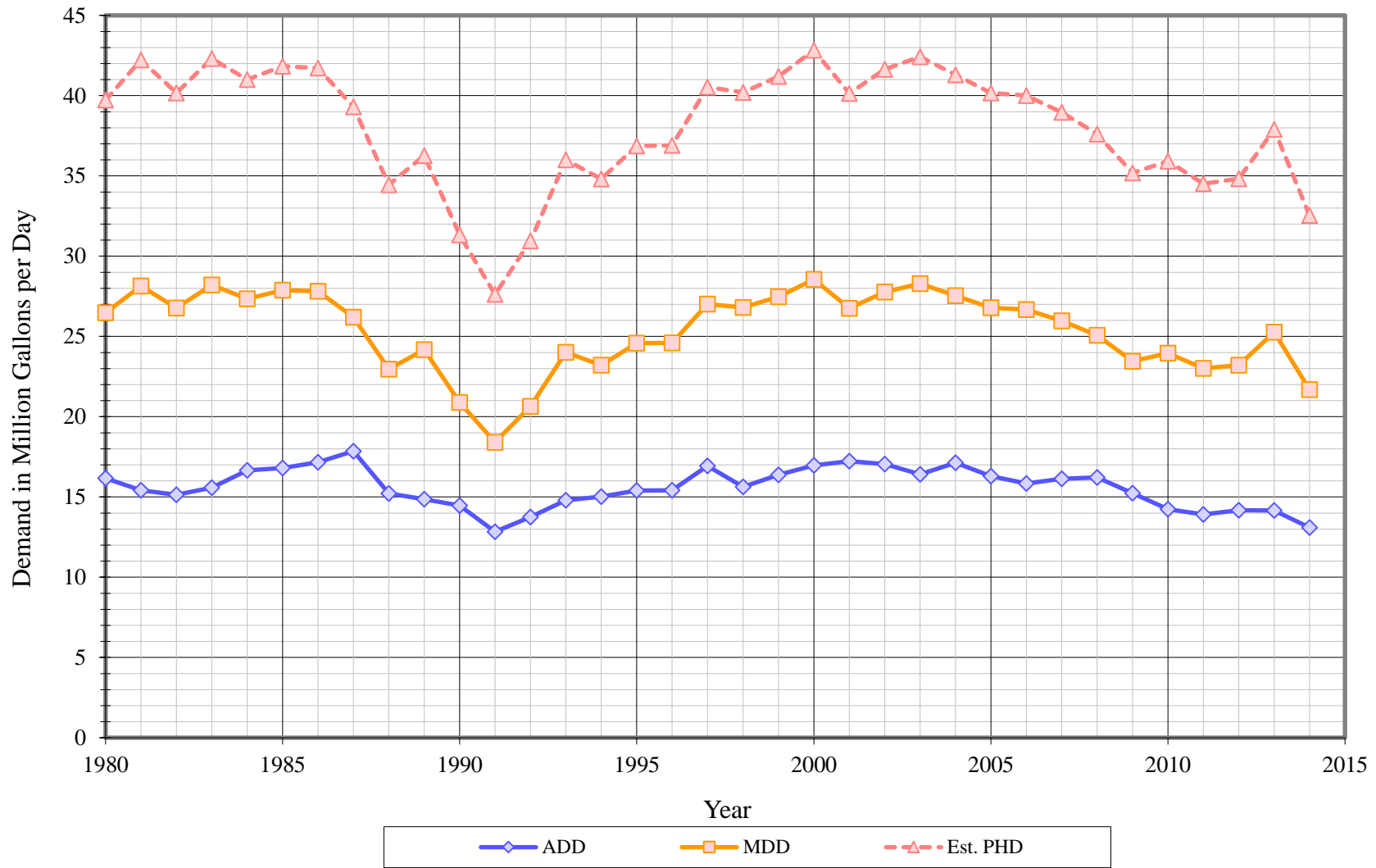
Worksheet 15

Per Capita Water Demand Calculation

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	119,844	17,240	128	11,847	88						
1996	120,328	17,271	128	12,580	93						
1997	120,413	18,966	141	13,232	98						
1998	120,519	17,500	130	12,038	89						
1999	120,578	18,353	136	12,659	94						
2000	120,632	19,004	141	13,473	100						
2001	121,408	19,300	142	13,262	98						
2002	121,967	19,095	140	13,258	97						
2003	122,817	18,383	134	12,652	92						
2004	123,451	19,197	139	13,266	96						
2005	124,135	18,253	131	12,447	90						
2006	124,768	17,735	127	12,434	89						
2007	125,378	18,068	129	12,893	92						
2008	125,766	18,159	129	12,847	91						
2009	126,091	17,068	121	11,941	85						
2010	126,850	15,956	112	11,205	79						
2011	127,681	15,588	109	11,057	77						
2012	128,037	15,877	111	11,218	78						
2013	129,037	15,864	110	11,619	80						
2014	130,559	14,675	100	10,002	68						
2015	133,679	12,689	85	8,552	57						
2016	134,833					17,920	119	19,332	128	17,920	119
2017	136,006					17,997	118	19,348	127	17,997	118
2018	137,199					18,075	118	19,364	126	18,075	118
2019	138,412					18,154	117	19,380	125	18,154	117
2020	139,645					18,234	117	19,396	124	18,234	117
2025	146,132					18,650	114	20,297	124	18,650	114
2030	153,190					19,096	111	21,278	124	19,096	111
2035	160,871					19,574	109	22,345	124	19,574	109
2040	169,235					20,086	106	23,506	124	20,086	106

SBx7-7 Targets	
2015	129
2020	124

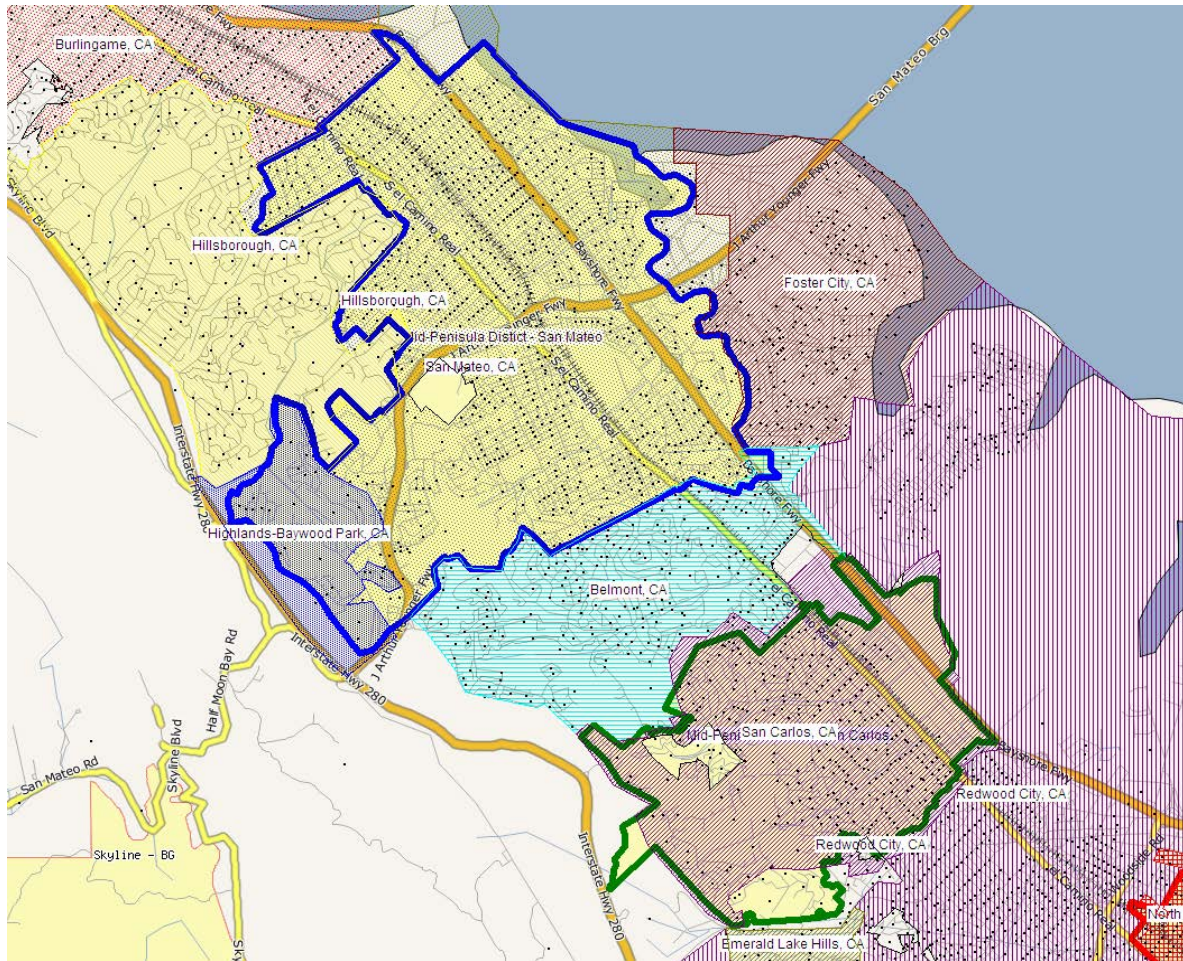
Average Day, Maximum Day, Peak Demand (combined)



California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Historical and Projected Average Day, Maximum Day, and Peak Demand

Year	San Mateo							San Carlos							District							Measured PHD		PHD Ratio
	ADD (MGD)	MDD (MGD)	M/A Ratio	Est. PHD (MGD)	(GPM)	P/M Ratio	P/A Ratio	ADD (MGD)	MDD (MGD)	M/A Ratio	Est. PHD (MGD)	(GPM)	P/M Ratio	P/A Ratio	ADD (MGD)	MDD (MGD)	M/A Ratio	Est. PHD (MGD)	(GPM)	P/M Ratio	P/A Ratio	(MGD)	(GPM)	
1980	12.249	19.868	1.622	29.802	20,696	1.50	2.433	3.925	6.612	1.685	9.918	6,888	1.50	2.527	16.174	26.480	1.637	39.720	27,583	1.50	2.46			
1981	11.438	20.730	1.812	31.095	21,594	1.50	2.719	3.976	7.605	1.913	11.408	7,922	1.50	2.869	15.414	28.149	1.826	42.224	29,322	1.50	2.74			
1982	11.301	19.605	1.735	29.408	20,422	1.50	2.602	3.841	7.170	1.867	10.755	7,469	1.50	2.800	15.142	26.775	1.768	40.163	27,891	1.50	2.65			
1983	11.686	21.270	1.820	31.905	22,156	1.50	2.730	3.894	6.937	1.782	10.406	7,226	1.50	2.672	15.580	28.207	1.810	42.311	29,382	1.50	2.72			
1984	12.572	20.880	1.661	31.320	21,750	1.50	2.491	4.086	6.457	1.580	9.686	6,726	1.50	2.371	16.658	27.337	1.641	41.006	28,476	1.50	2.46			
1985	12.740	20.812	1.634	31.218	21,679	1.50	2.450	4.057	7.073	1.744	10.610	7,368	1.50	2.615	16.797	27.885	1.660	41.828	29,047	1.50	2.49			
1986	12.986	20.745	1.598	31.118	21,609	1.50	2.396	4.175	7.073	1.694	10.610	7,368	1.50	2.541	17.161	27.818	1.621	41.727	28,977	1.50	2.43			
1987	13.596	19.755	1.453	29.633	20,578	1.50	2.179	4.257	6.570	1.543	9.855	6,844	1.50	2.315	17.853	26.205	1.468	39.308	27,297	1.50	2.20			
1988	11.437	17.498	1.530	26.247	18,227	1.50	2.295	3.786	5.693	1.504	8.540	5,930	1.50	2.255	15.223	22.965	1.509	34.448	23,922	1.50	2.26			
1989	11.219	18.541	1.653	27.812	19,314	1.50	2.479	3.635	5.693	1.566	8.540	5,930	1.50	2.349	14.855	24.173	1.627	36.260	25,180	1.50	2.44			
1990	10.920	15.970	1.462	23.955	16,635	1.50	2.194	3.538	5.139	1.452	7.709	5,353	1.50	2.178	14.458	20.884	1.444	31.326	21,754	1.50	2.17			
1991	9.752	13.913	1.427	20.870	14,493	1.50	2.140	3.082	4.922	1.597	7.383	5,127	1.50	2.396	12.834	18.408	1.434	27.612	19,175	1.50	2.15			
1992	10.384	15.573	1.500	23.360	16,222	1.50	2.250	3.369	5.065	1.503	7.598	5,276	1.50	2.255	13.753	20.638	1.501	30.957	21,498	1.50	2.25			
1993	11.239	17.593	1.565	26.390	18,326	1.50	2.348	3.547	6.410	1.807	9.615	6,677	1.50	2.710	14.786	24.003	1.623	36.005	25,003	1.50	2.43			
1994	11.420	17.638	1.544	26.457	18,373	1.50	2.317	3.598	5.565	1.547	8.348	5,797	1.50	2.320	15.018	23.203	1.545	34.805	24,170	1.50	2.32			
1995	11.615	18.333	1.578	27.500	19,097	1.50	2.368	3.776	6.246	1.654	9.369	6,506	1.50	2.481	15.391	24.579	1.597	36.869	25,603	1.50	2.40			
1996	11.426	17.937	1.570	26.906	18,684	1.50	2.355	3.992	6.665	1.670	9.998	6,943	1.50	2.504	15.418	24.602	1.596	36.903	25,627	1.50	2.39			
1997	12.663	20.614	1.628	30.921	21,473	1.50	2.442	4.269	6.402	1.500	9.603	6,669	1.50	2.250	16.932	27.016	1.596	40.524	28,142	1.50	2.39			
1998	11.742	19.596	1.669	29.394	20,413	1.50	2.503	3.881	7.203	1.856	10.805	7,503	1.50	2.784	15.623	26.799	1.715	40.199	27,916	1.50	2.57			
1999	12.265	20.712	1.689	31.068	21,575	1.50	2.533	4.119	6.754	1.640	10.131	7,035	1.50	2.460	16.384	27.466	1.676	41.199	28,610	1.50	2.51			
2000	12.664	21.148	1.670	31.722	22,029	1.50	2.505	4.302	7.405	1.721	11.108	7,714	1.50	2.582	16.966	28.553	1.683	42.830	29,743	1.50	2.52			
2001	12.950	19.494	1.505	29.241	20,306	1.50	2.258	4.279	7.265	1.698	10.898	7,568	1.50	2.546	17.230	26.759	1.553	40.139	27,874	1.50	2.33			
2002	12.770	20.872	1.634	31.308	21,742	1.50	2.452	4.277	6.889	1.611	10.334	7,176	1.50	2.416	17.047	27.761	1.628	41.642	28,918	1.50	2.44			
2003	12.330	20.981	1.702	31.472	21,855	1.50	2.552	4.081	7.301	1.789	10.952	7,605	1.50	2.683	16.412	28.282	1.723	42.423	29,460	1.50	2.58			
2004	12.829	20.526	1.600	30.789	21,381	1.50	2.400	4.309	7.006	1.626	10.509	7,298	1.50	2.439	17.138	27.532	1.607	41.298	28,679	1.50	2.41			
2005	12.247	17.893	1.461	26.840	18,639	1.50	2.192	4.049	8.888	2.195	13.332	9,258	1.50	3.293	16.296	26.781	1.643	40.172	27,897	1.50	2.47			
2006	11.938	19.748	1.654	29.622	20,571	1.50	2.481	3.894	6.927	1.779	10.391	7,216	1.50	2.668	15.833	26.675	1.685	40.013	27,786	1.50	2.53			
2007	12.051	19.113	1.586	28.670	19,909	1.50	2.379	4.079	6.859	1.682	10.289	7,145	1.50	2.522	16.130	25.972	1.610	38.958	27,054	1.50	2.42			
2008	12.034	18.335	1.524	27.503	19,099	1.50	2.285	4.177	6.76	1.62	10.14	7,045	1.50	2.43	16.211	25.071	1.547	37.607	26,116	1.50	2.32			
2009	11.412	17.116	1.500	25.674	17,829	1.50	2.250	3.825	6.343	1.658	9.515	6,607	1.50	2.487	15.237	23.459	1.540	35.189	24,436	1.50	2.31			
2010	10.667	17.512	1.642	26.268	18,242	1.50	2.463	3.578	6.440	1.800	9.660	6,708	1.50	2.700	14.244	23.952	1.681	35.928	24,950	1.50	2.52			
2011	10.303	17.207	1.670	25.811	17,924	1.50	2.505	3.613	5.798	1.605	8.697	6,040	1.50	2.407	13.916	23.005	1.653	34.508	23,964	1.50	2.48			
2012	10.550	16.346	1.549	24.519	17,027	1.50	2.324	3.624	6.867	1.895	10.301	7,153	1.50	2.843	14.174	23.213	1.638	34.820	24,180	1.50	2.46			
2013	10.262	17.841	1.739	26.762	18,584	1.50	2.608	3.900	7.421	1.903	11.132	7,730	1.50	2.854	14.163	25.262	1.784	37.893	26,315	1.50	2.68			
2014	9.722	15.634	1.608	23.451	16,285	1.50	2.412	3.379	6.059	1.793	9.089	6,311	1.50	2.689	13.101	21.693	1.656	32.540	22,597	1.50	2.48			
2015																								
10 year Average		17.67	1.59	26.51	18,411	1.50	2.39	3.81	6.84	1.79	10.25	7,121	1.50	2.69	14.93	24.51	1.64	36.76	25,529	1.50	2.47			
5 year Average		16.91	1.64	25.36	17,613	1.50	2.46	3.62	6.52	1.80	9.78	6,789	1.50	2.70	13.92	23.43	1.68	35.14	24,401	1.50	2.52			

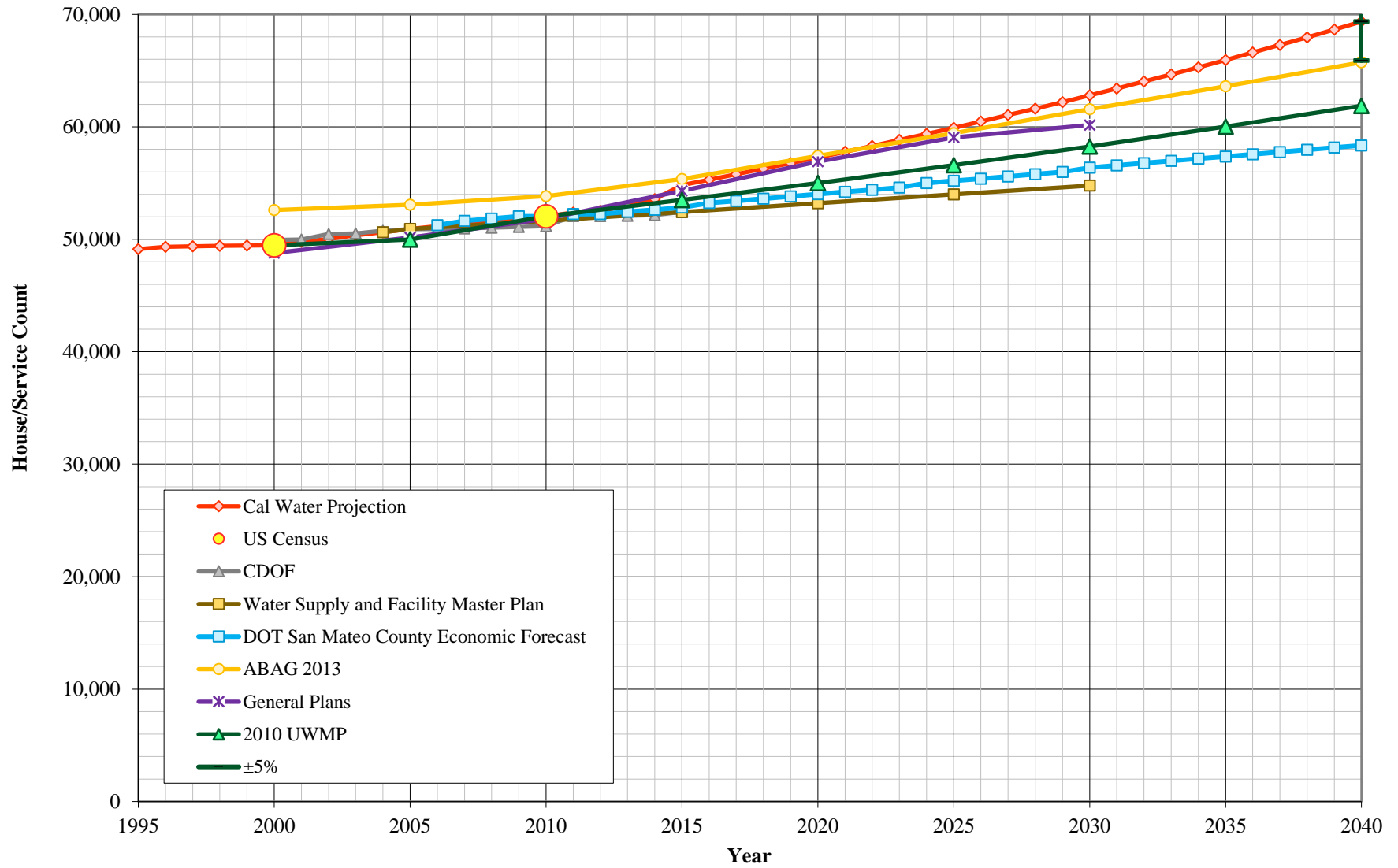
California Water Service Company - Mid-Peninsula District (Combined) Water Supply and Demand Analysis and Projections



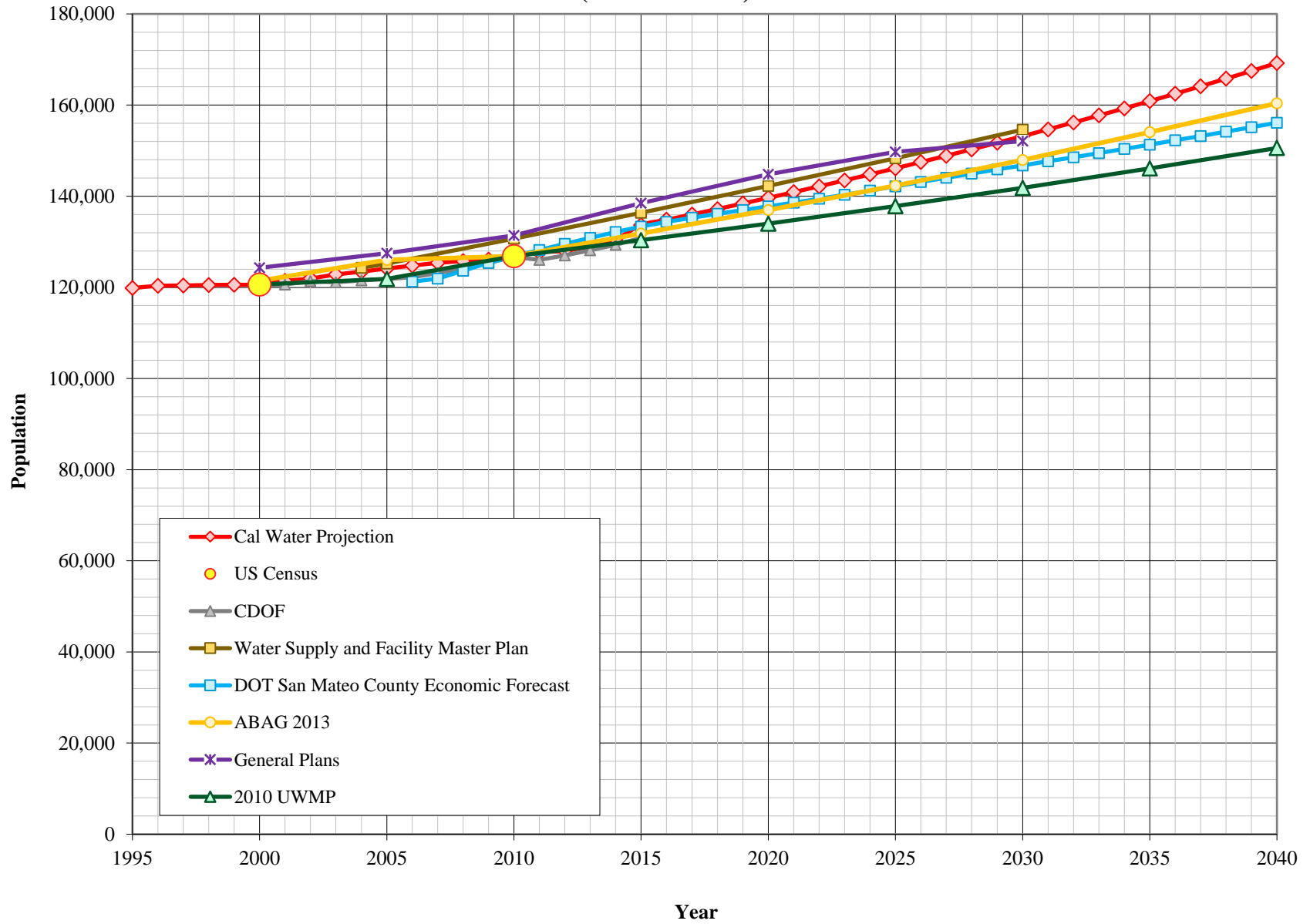
System	US Census 2000 Summary				US Census 2010 Summary				2000-2010 Change		
	Census Blocks	Population	Housing Units (HU)	Density	Census Blocks	Population	Housing Units (HU)	Density	Percentage Population Change	Percentage HU Change	Density Change
San Mateo	825	93,187	37,837	2.46	883	97,874	39,749	2.46	5.0%	5.1%	0.0%
San Carlos	305	27,445	11,629	2.36	333	28,976	12,293	2.36	5.6%	5.7%	-0.1%
	1,130	120,632	49,466	2.44	1,216	126,850	52,042	2.44	5.2%	5.2%	-0.1%

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 (Combined)



Population Projections (Combined)



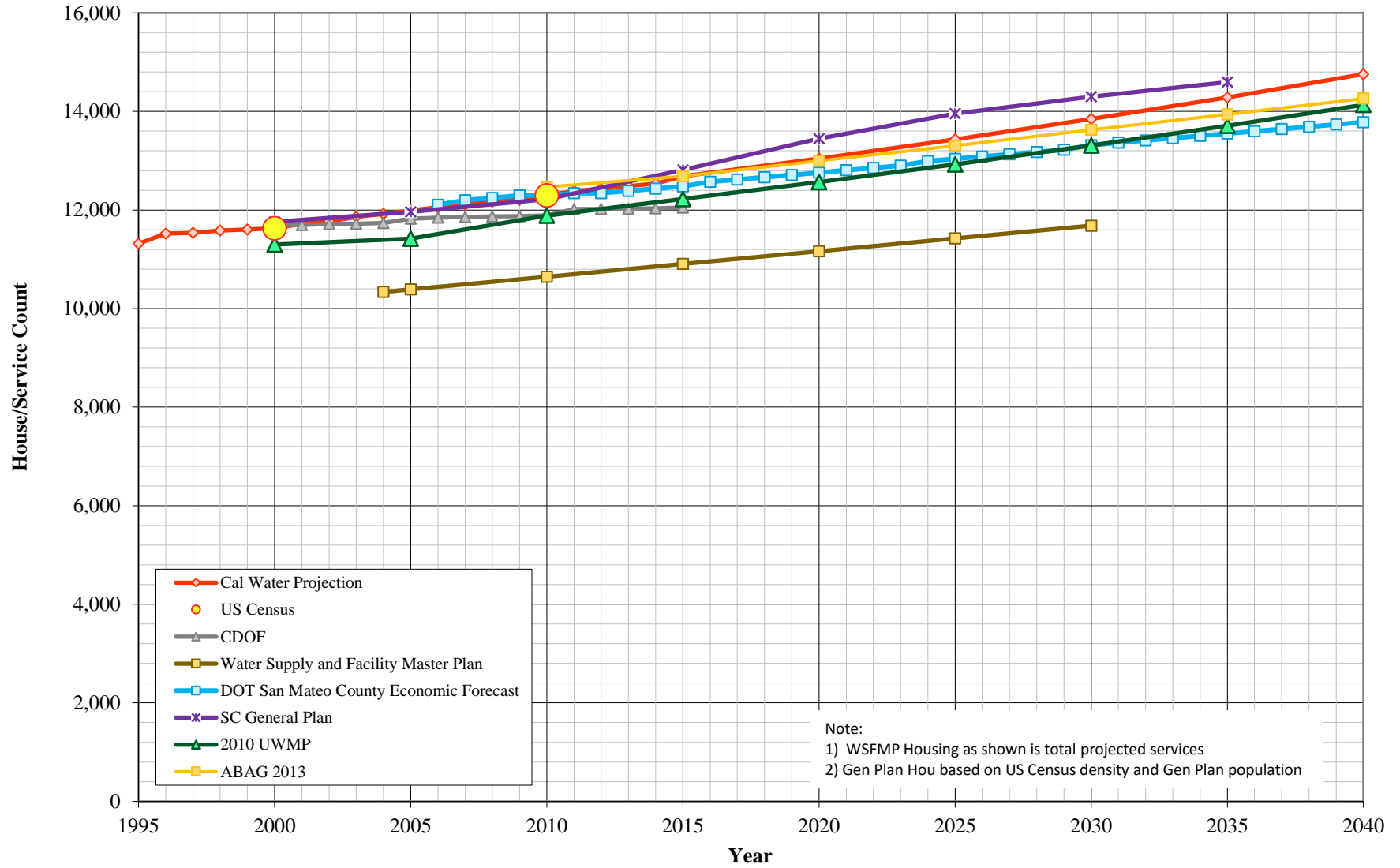
California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections
Population Estimate

Year	US Census		Persons per Housing Unit	Single Family	Multi Family Residential			Flat Rate
	Population	Housing Units		Residential	Residential	Unit	Residential	
				Services (DU)				Services
2000	120,632	49,466	2.439	30,863	576	18,603	32.3	0
2010	126,850	52,042	2.437	31,028	630	21,014	33.3	0
	5.2%	5.2%	-0.1%	0.5%	9.4%	13.0%	3.2%	0.0%

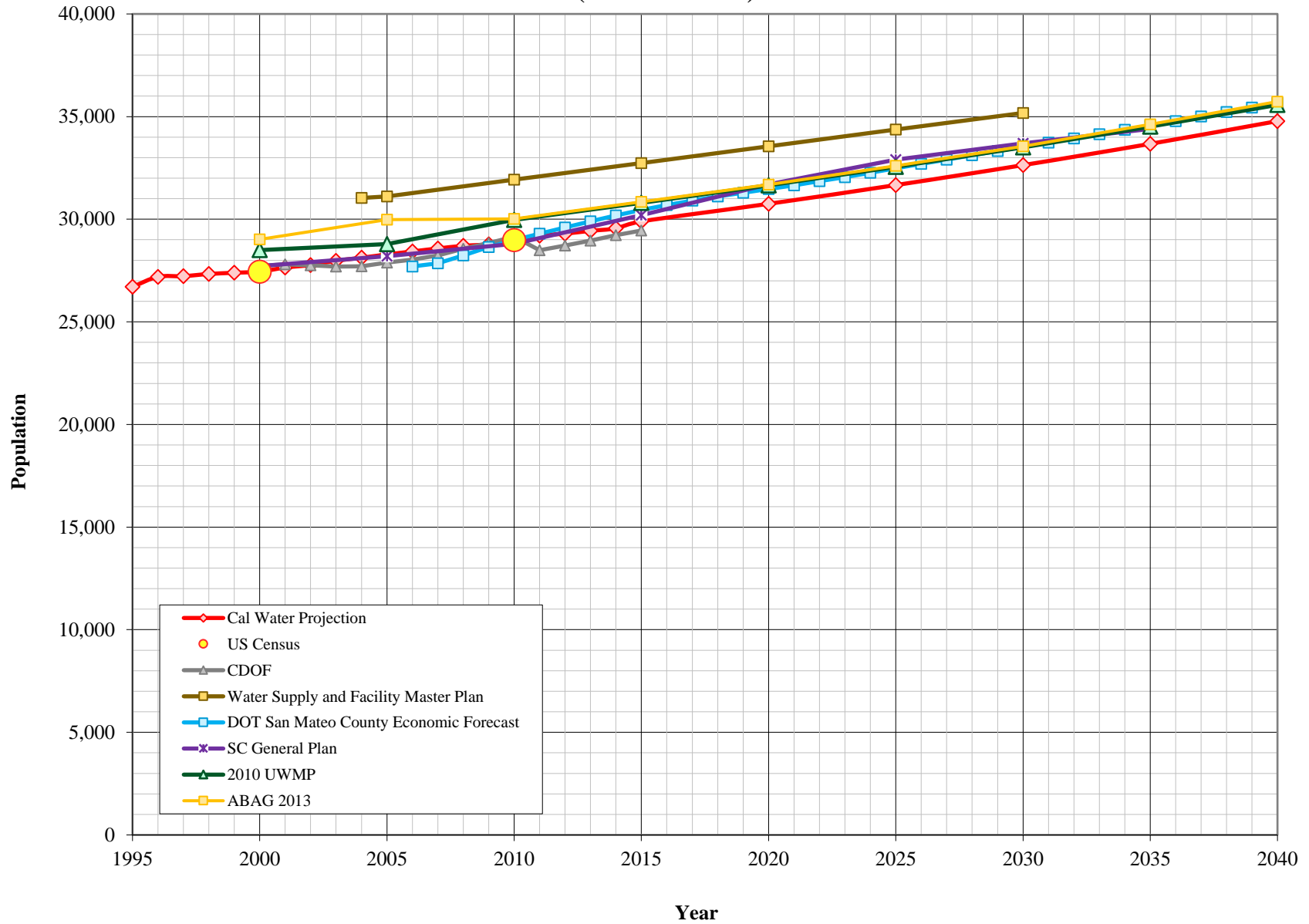
Year	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)	Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
		Services	Residential Units (DU)	Unit Density				
1995	30,608	573	18,525	32.3	0	49,133	2.439	119,844
1996	30,810	573	18,528	32.3	0	49,338	2.439	120,328
1997	30,818	574	18,556	32.3	0	49,373	2.439	120,413
1998	30,836	575	18,582	32.3	0	49,418	2.439	120,519
1999	30,853	576	18,590	32.3	0	49,443	2.439	120,578
2000	30,863	576	18,603	32.3	0	49,466	2.439	120,632
2001	30,943	583	18,844	32.3	0	49,787	2.439	121,408
2002	30,934	581	19,085	32.8	0	50,018	2.438	121,967
2003	31,043	577	19,326	33.5	0	50,369	2.438	122,817
2004	31,065	579	19,567	33.8	0	50,632	2.438	123,451
2005	31,107	579	19,808	34.2	0	50,915	2.438	124,135
2006	31,128	573	20,049	35.0	0	51,177	2.438	124,768
2007	31,139	571	20,291	35.6	0	51,430	2.438	125,378
2008	31,060	600	20,532	34.2	0	51,592	2.438	125,766
2009	30,955	628	20,773	33.1	0	51,728	2.438	126,091
2010	31,028	630	21,014	33.3	0	52,042	2.437	126,850
2011	31,128	644	21,255	33.0	0	52,383	2.437	127,681
2012	31,146	648	21,384	33.0	0	52,530	2.437	128,037
2013	31,170	660	21,768	33.0	0	52,938	2.437	129,037
2014	31,211	677	22,348	33.0	0	53,559	2.438	130,559
2015	31,222	715	23,610	33.0	0	54,832	2.438	133,679
2016	31,264	728	24,040	33.0	0	55,304	2.438	134,833
2017	31,306	741	24,477	33.0	0	55,783	2.438	136,006
2018	31,348	754	24,923	33.0	0	56,271	2.438	137,199
2019	31,390	768	25,377	33.0	0	56,767	2.438	138,412
2020	31,432	782	25,838	33.0	0	57,271	2.438	139,645
2021	31,474	796	26,309	33.0	0	57,783	2.438	140,900
2022	31,517	810	26,788	33.1	0	58,304	2.438	142,175
2023	31,559	825	27,276	33.1	0	58,835	2.439	143,472
2024	31,601	840	27,772	33.1	0	59,374	2.439	144,791
2025	31,644	855	28,278	33.1	0	59,922	2.439	146,132
2026	31,686	871	28,793	33.1	0	60,479	2.439	147,497
2027	31,729	887	29,317	33.1	0	61,046	2.439	148,884
2028	31,771	903	29,851	33.1	0	61,623	2.439	150,295
2029	31,814	919	30,395	33.1	0	62,209	2.439	151,730
2030	31,857	936	30,949	33.1	0	62,805	2.439	153,190
2031	31,899	953	31,513	33.1	0	63,412	2.439	154,674
2032	31,942	970	32,087	33.1	0	64,029	2.439	156,184
2033	31,985	987	32,671	33.1	0	64,656	2.439	157,720
2034	32,028	1,005	33,266	33.1	0	65,295	2.439	159,282
2035	32,071	1,024	33,873	33.1	0	65,944	2.440	160,871
2036	32,114	1,042	34,490	33.1	0	66,604	2.440	162,487
2037	32,157	1,061	35,118	33.1	0	67,276	2.440	164,131
2038	32,201	1,080	35,758	33.1	0	67,959	2.440	165,803
2039	32,244	1,100	36,410	33.1	0	68,654	2.440	167,505
2040	32,287	1,120	37,074	33.1	0	69,361	2.440	169,235

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

Housing Projections (San Carlos)



Population Projections (San Carlos)



California Water Service Company - Mid-Peninsula District (San Carlos)
Water Supply and Demand Analysis and Projections
Population Estimate

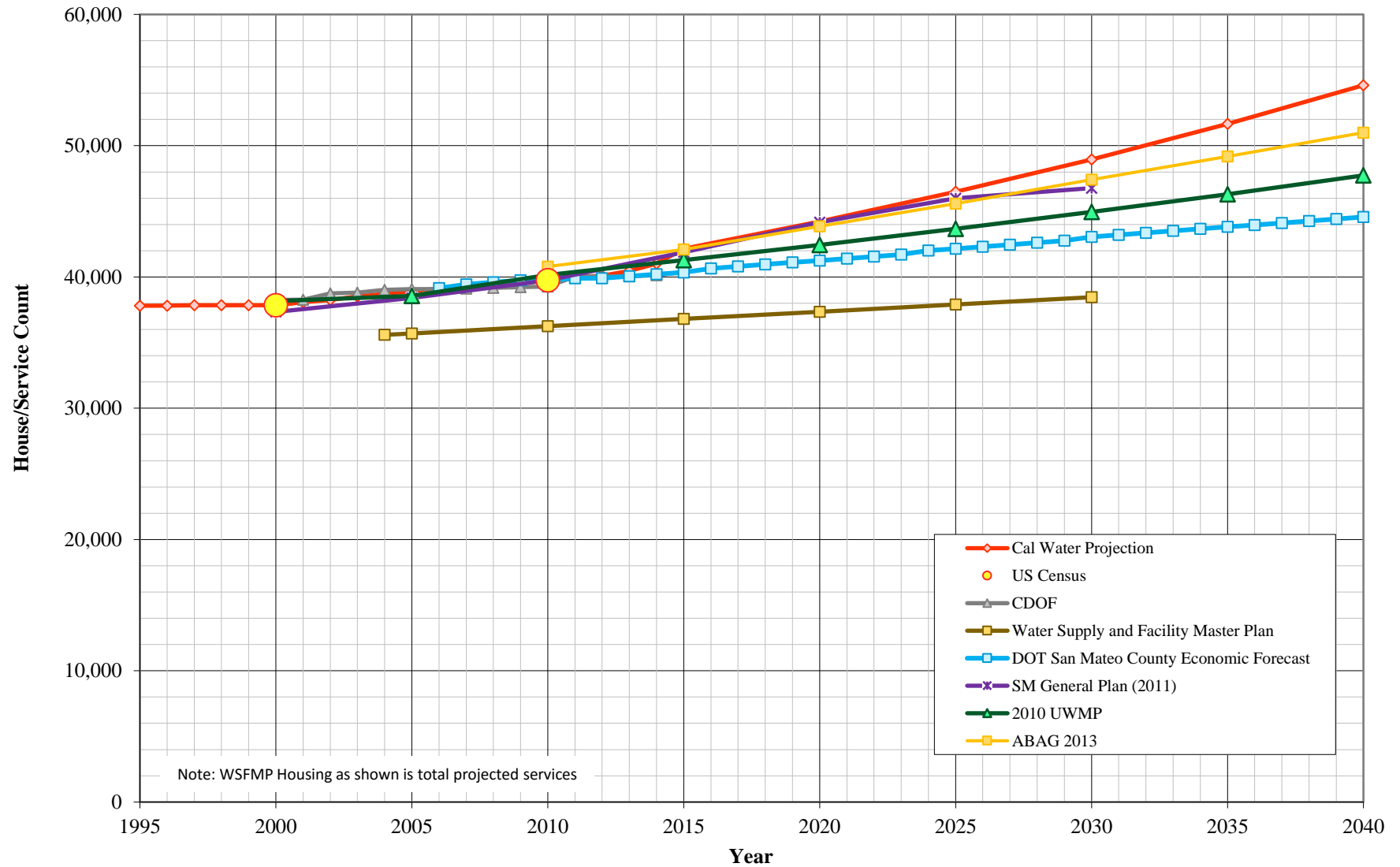
Year	US Census		Persons per Housing Unit	Single Family	Multi Family Residential			Flat Rate
	Population	Housing Units		Residential	Residential	Unit	Residential	
				Services (DU)	Services	Units (DU)	Density	Services (DU)
2000	27,445	11,629	2.360	9,082	104	2,547	24.5	0
2010	28,976	12,293	2.357	9,081	118	3,212	27.1	0
	5.6%	5.7%	-0.1%	0.0%	13.9%	26.1%	10.8%	0.0%

Year	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)	Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
		Services	Residential Units (DU)	Unit Density				
1995	8,839	101	2,477	24.5	0	11,317	2.360	26,708
1996	9,025	102	2,498	24.5	0	11,522	2.360	27,194
1997	9,037	102	2,500	24.5	0	11,536	2.360	27,226
1998	9,055	103	2,526	24.5	0	11,581	2.360	27,332
1999	9,072	104	2,534	24.5	0	11,606	2.360	27,391
2000	9,082	104	2,547	24.5	0	11,629	2.360	27,445
2001	9,101	105	2,613	24.8	0	11,715	2.360	27,643
2002	9,089	105	2,680	25.5	0	11,769	2.359	27,769
2003	9,112	104	2,746	26.3	0	11,859	2.359	27,976
2004	9,109	105	2,813	26.8	0	11,922	2.359	28,123
2005	9,112	105	2,879	27.4	0	11,992	2.359	28,284
2006	9,109	104	2,946	28.3	0	12,055	2.358	28,430
2007	9,106	104	3,012	29.1	0	12,119	2.358	28,575
2008	9,095	111	3,079	27.8	0	12,174	2.358	28,702
2009	9,063	117	3,145	26.8	0	12,208	2.357	28,780
2010	9,081	118	3,212	27.1	0	12,293	2.357	28,976
2011	9,110	121	3,278	27.0	0	12,388	2.357	29,200
2012	9,120	123	3,309	27.0	0	12,429	2.357	29,297
2013	9,126	125	3,361	27.0	0	12,487	2.357	29,434
2014	9,137	126	3,401	27.0	0	12,538	2.357	29,554
2015	9,141	131	3,542	27.0	0	12,683	2.357	29,895
2020	9,218	142	3,828	27.0	0	13,046	2.357	30,751
2025	9,296	153	4,137	27.0	0	13,433	2.357	31,663
2030	9,375	166	4,471	27.0	0	13,845	2.357	32,635
2035	9,454	179	4,831	27.0	0	14,286	2.357	33,673
2040	9,534	193	5,222	27.0	0	14,756	2.357	34,781

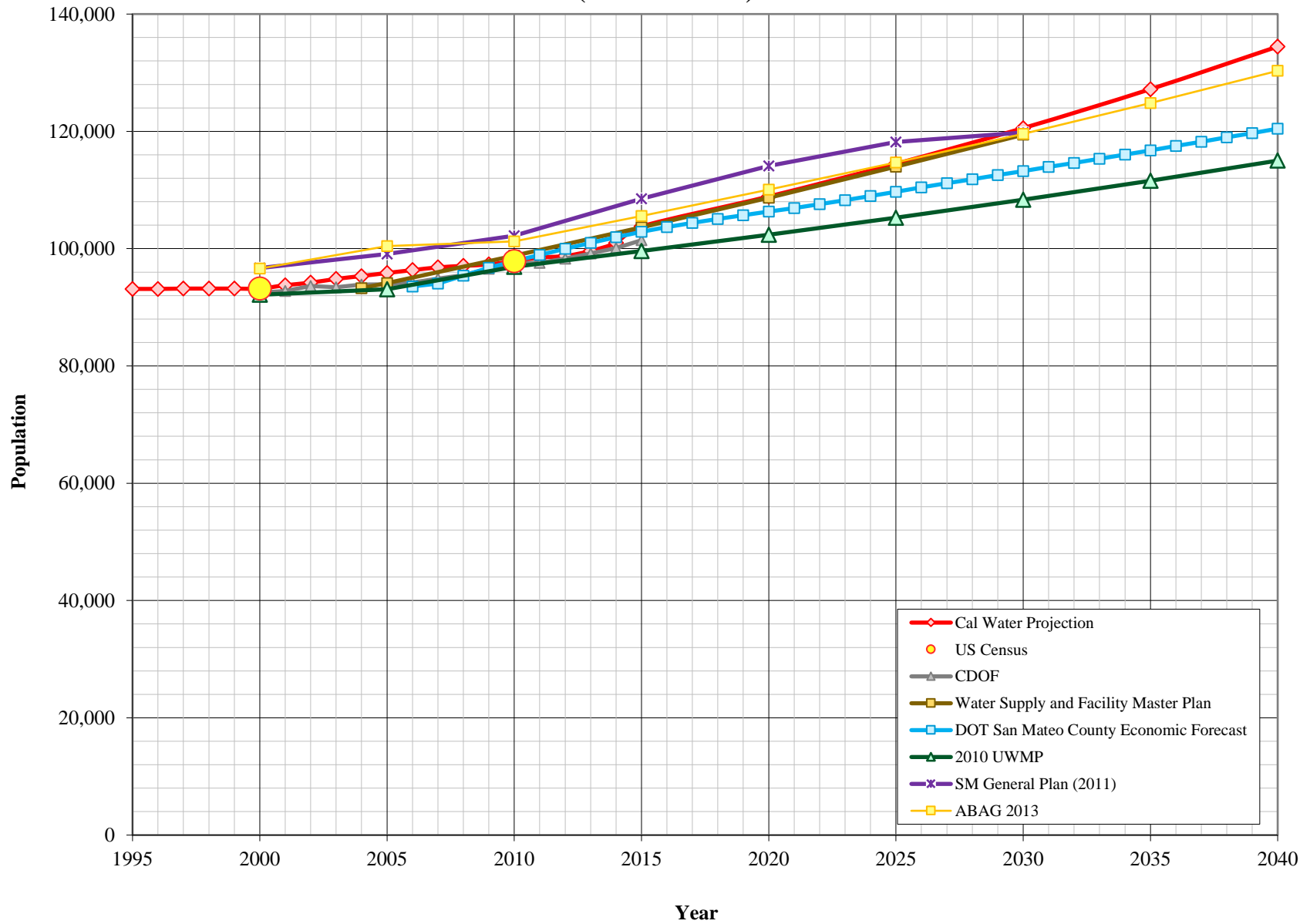
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Housing Projections (San Mateo)



Population Projections (San Mateo)



California Water Service Company - Mid-Peninsula District (San Mateo)
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)	Density	Services (DU)
2000	93,187	37,837	2.463	21,781	472	16,056	34.0	0
2010	97,874	39,749	2.462	21,947	512	17,802	34.8	0
	5.0%	5.1%	0.0%	0.8%	8.4%	10.9%	2.2%	0.0%

Year	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)	Residential Dwelling Units	Persons per Housing Unit	Estimated District Population
		Services	Residential Units (DU)	Unit Density				
1995	21,769	472	16,047	34.0	0	37,816	2.463	93,136
1996	21,785	471	16,030	34.0	0	37,816	2.463	93,135
1997	21,781	472	16,056	34.0	0	37,837	2.463	93,187
1998	21,781	472	16,056	34.0	0	37,837	2.463	93,187
1999	21,781	472	16,056	34.0	0	37,837	2.463	93,187
2000	21,781	472	16,056	34.0	0	37,837	2.463	93,187
2001	21,842	478	16,231	34.0	0	38,073	2.463	93,765
2002	21,844	476	16,405	34.5	0	38,249	2.463	94,199
2003	21,931	472	16,580	35.1	0	38,511	2.463	94,840
2004	21,955	474	16,754	35.4	0	38,710	2.463	95,328
2005	21,994	474	16,929	35.7	0	38,923	2.463	95,851
2006	22,018	469	17,104	36.5	0	39,122	2.463	96,338
2007	22,033	467	17,278	37.0	0	39,311	2.462	96,802
2008	21,965	489	17,453	35.7	0	39,418	2.462	97,064
2009	21,892	510	17,627	34.5	0	39,519	2.462	97,311
2010	21,947	512	17,802	34.8	0	39,749	2.462	97,874
2011	22,019	523	17,977	34.4	0	39,995	2.462	98,480
2012	22,025	526	18,075	34.4	0	40,101	2.462	98,740
2013	22,044	535	18,407	34.4	0	40,451	2.462	99,603
2014	22,074	551	18,947	34.4	0	41,020	2.462	101,004
2015	22,081	584	20,068	34.4	0	42,149	2.462	103,785
2020	22,214	640	22,011	34.4	0	44,225	2.462	108,895
2025	22,347	702	24,141	34.4	0	46,489	2.462	114,470
2030	22,482	770	26,478	34.4	0	48,960	2.462	120,554
2035	22,617	845	29,041	34.4	0	51,658	2.462	127,198
2040	22,753	926	31,852	34.4	0	54,605	2.462	134,454

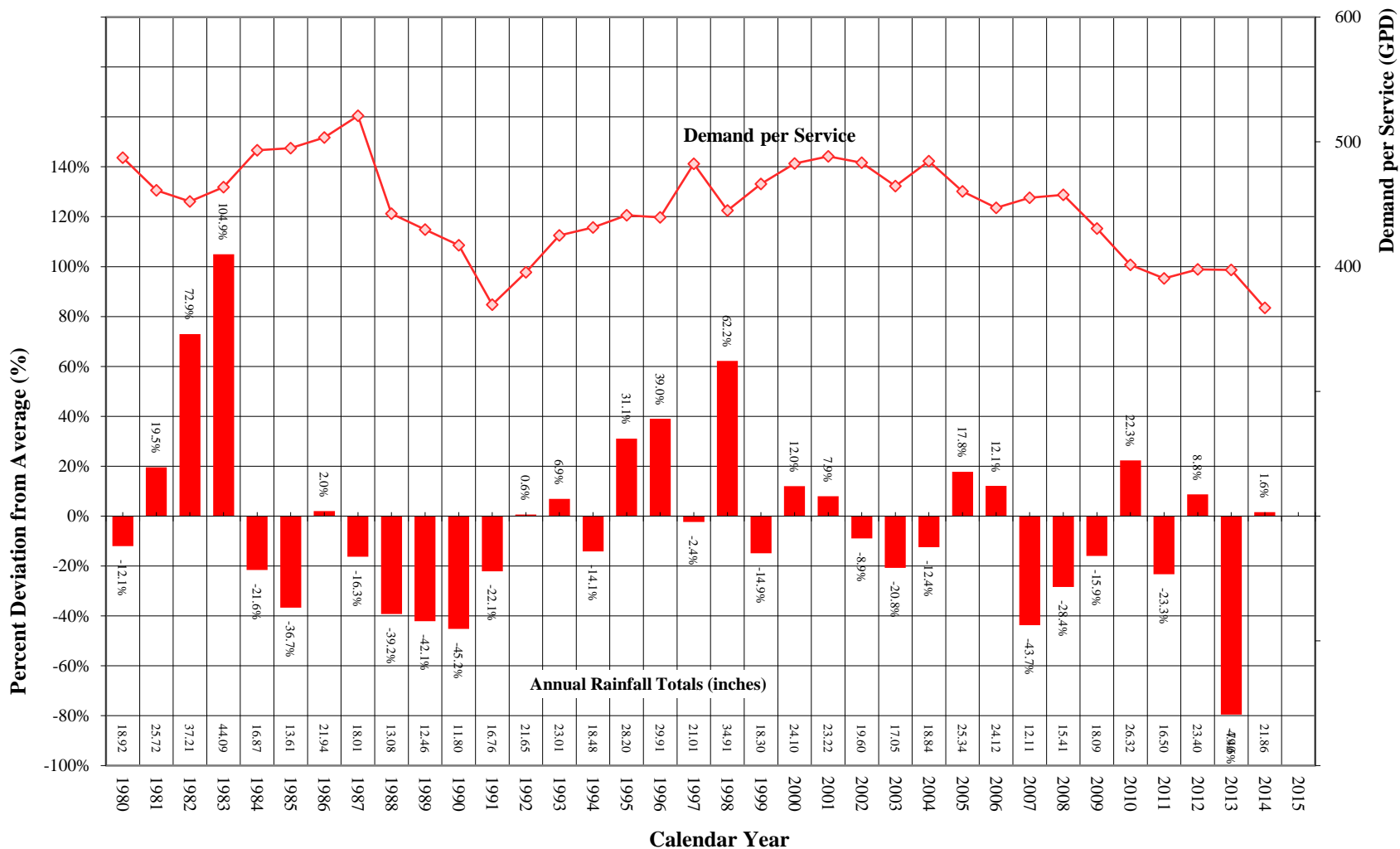
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Comparison of Annual Rainfall to Historical Average (combined)



**California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections**

Temperature & Rainfall History

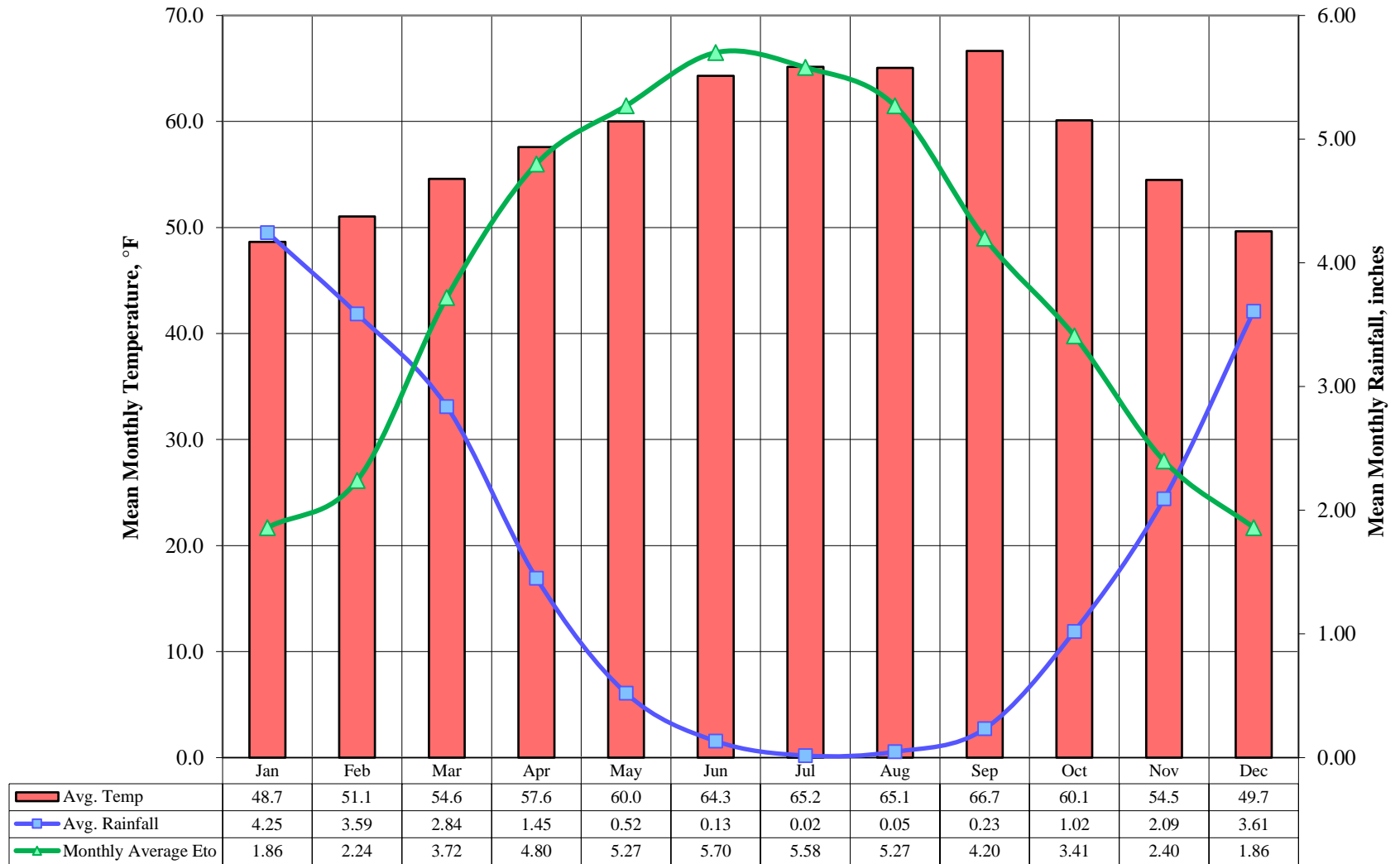
Year	Precipitation		Temperature			Demand per Service (gpd)	Percent of Average Demand
	Annual (in)	Percent Variation	Tmax (°F)	Tmin (°F)	Mean (°F)		
1980	18.92	-12.1%	77.30	42.10	59.7	487	8.8%
1981	25.72	19.5%	82.70	43.00	62.9	461	3.0%
1982	37.21	72.9%	78.50	37.40	58.0	452	1.0%
1983	44.09	104.9%	83.00	39.50	61.3	464	3.6%
1984	16.87	-21.6%	86.00	39.20	62.6	493	10.2%
1985	13.61	-36.7%	79.80	38.00	58.9	495	10.6%
1986	21.94	2.0%	77.90	40.00	59.0	504	12.5%
1987	18.01	-16.3%	77.80	39.80	58.8	521	16.3%
1988	13.08	-39.2%	81.00	40.10	60.6	442	-1.2%
1989	12.46	-42.1%	78.90	37.90	58.4	430	-4.0%
1990	11.80	-45.2%	79.00	35.40	57.2	417	-6.8%
1991	16.76	-22.1%	77.30	39.40	58.4	370	-17.5%
1992	21.65	0.6%	78.80	38.50	58.7	395	-11.7%
1993	23.01	6.9%	81.70	39.70	60.7	425	-5.1%
1994	18.48	-14.1%	79.50	39.50	59.5	431	-3.6%
1995	28.20	31.1%	79.60	45.40	62.5	441	-1.5%
1996	29.91	39.0%	80.00	43.40	61.7	440	-1.8%
1997	21.01	-2.4%	81.10	41.20	61.2	482	7.7%
1998	34.91	62.2%	78.80	38.50	58.7	445	-0.6%
1999	18.30	-14.9%	76.00	41.30	58.7	466	4.1%
2000	24.10	12.0%	77.10	42.90	60.0	483	7.8%
2001	23.22	7.9%	77.70	40.20	59.0	488	9.1%
2002	19.60	-8.9%	78.80	40.00	59.4	483	8.0%
2003	17.05	-20.8%	79.60	43.00	61.3	465	3.8%
2004	18.84	-12.4%	79.90	42.30	61.1	485	8.2%
2005	25.34	17.8%	77.70	41.30	59.5	460	2.8%
2006	24.12	12.1%	80.70	41.50	61.1	447	-0.1%
2007	12.11	-43.7%	76.90	38.50	57.7	455	1.7%
2008	15.41	-28.4%	77.80	40.60	59.2	458	2.2%
2009	18.09	-15.9%	79.40	40.80	60.1	430	-3.9%
2010	26.32	22.3%	78.00	43.80	60.9	401	-10.4%
2011	16.50	-23.3%	77.80	38.90	58.4	390	-12.8%
2012	23.40	8.8%	75.20	40.20	57.7	398	-11.1%
2013	4.40	-79.6%	76.20	38.40	57.3	397	-11.3%
2014	21.86	1.6%	78.50	43.80	61.2	367	-18.1%
2015							
2016							
2017							
2018							
2019							
2020							

Precipitation (1895 - present)						Monthly Average Eto
	Mean	High	Year	Low	Year	
	in.	in.	-	in.	-	
Jan	4.25	14.48	1909	0.06	2014	1.86
Feb	3.59	13.27	1998	0.02	1953	2.24
Mar	2.84	10.22	1983	0.00	1934	3.72
Apr	1.45	6.25	1958	0.00	1909	4.80
May	0.52	3.36	1957	0.00	1903	5.27
Jun	0.13	1.69	2011	0.00	1911	5.70
Jul	0.02	0.48	1974	0.00	1965	5.58
Aug	0.05	0.96	1976	0.00	1958	5.27
Sep	0.23	4.61	1918	0.00	1897	4.20
Oct	1.02	8.40	1962	0.00	1905	3.41
Nov	2.09	7.45	1983	0.00	1907	2.40
Dec	3.61	14.05	1955	0.01	1989	1.86
Annual	19.80	44.09	1983	4.40	2013	46.31

Temperature (1895 - present)			
	Tmax	Tmin	Mean
	°F	°F	°F
Jan	65.6	31.7	48.7
Feb	65.7	36.4	51.1
Mar	71.7	37.5	54.6
Apr	73.6	41.6	57.6
May	76.7	43.3	60.0
Jun	82.7	45.9	64.3
Jul	81.9	48.4	65.2
Aug	82.7	47.4	65.1
Sep	86.0	47.3	66.7
Oct	78.0	42.2	60.1
Nov	70.8	38.2	54.5
Dec	65.0	34.3	49.7
Annual	86.0	31.7	58.9

- 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 monthly rainfall, Tmax is average of maximum temperatures for given month, and Tmin is average of minimum temperatures for given month
- 3) Percent variation based on average of 1980 to present values

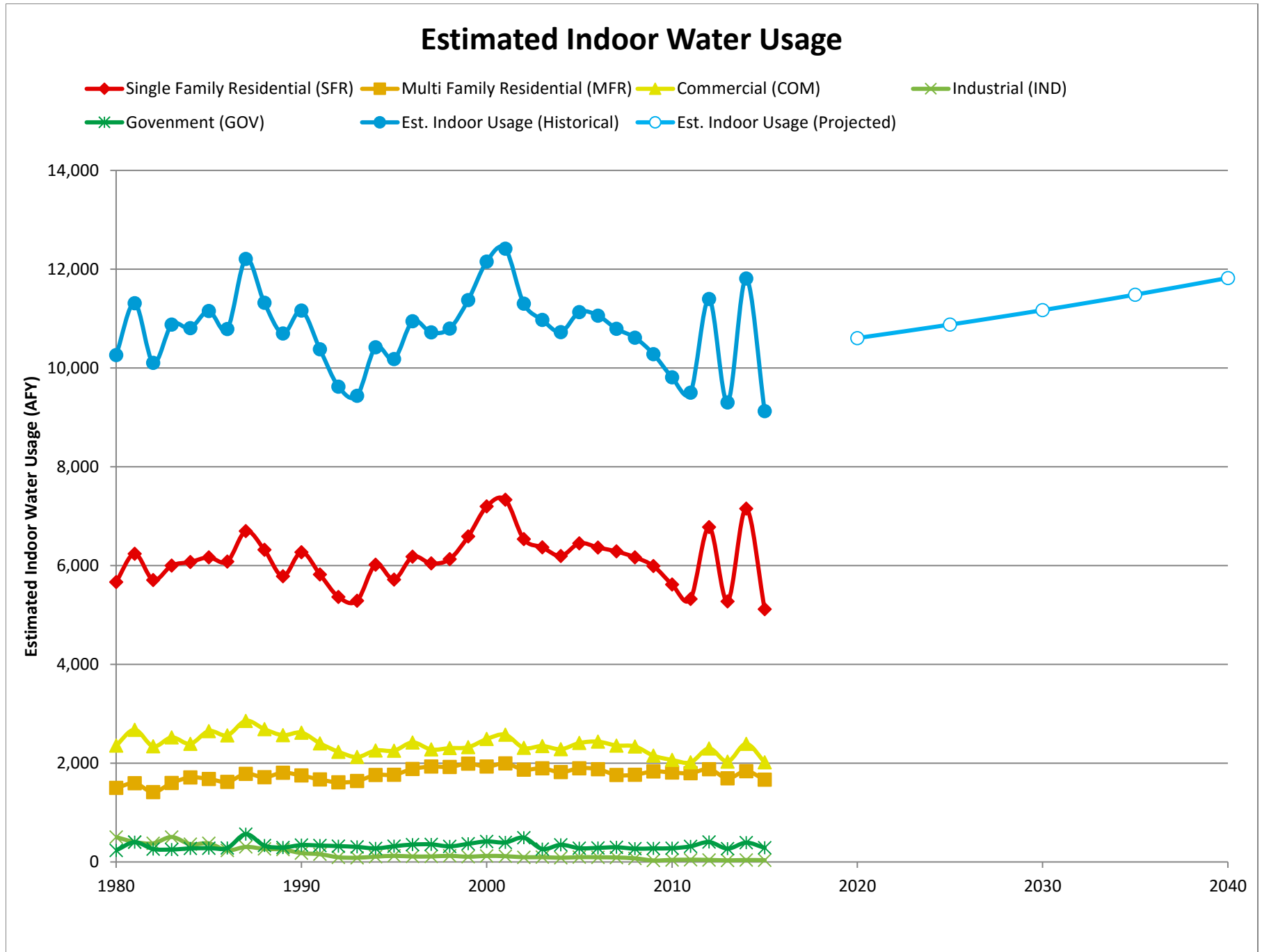
Average Monthly Temperature, Rainfall, and Monthly Eto



**California Water Service Company - Mid-Peninsula District (Combined)
Water Supply and Demand Analysis and Projections**

Groundwater Production Facilities

District does not have any groundwater facilities



California Water Service Company - Mid-Peninsula District (Combined)
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 (CCF)	MFR Indoor Use (Annualized 90% of January Total)			COM Jan Usage (CCF)	COM Indoor Use (Annualized 90% of January Total)			
	JAN (CCF)	AFY	AF/Serv		AFY	GPD/Serv	%		AFY	GPD/Serv	%		AFY	GPD/Serv	%	
1980	228,607	5,668	0.196	0	5,668	175	61%	60,446	1,499	2,724	83%	95,051	2,357	639	72%	
1981	251,692	6,240	0.214	0	6,240	191	65%	64,224	1,592	2,874	84%	107,987	2,677	725	83%	
1982	230,284	5,710	0.195	0	5,710	174	62%	57,063	1,415	2,497	78%	94,435	2,341	633	76%	
1983	242,034	6,001	0.205	0	6,001	183	64%	64,509	1,599	2,801	82%	101,695	2,521	679	79%	
1984	244,921	6,072	0.206	0	6,072	184	59%	68,994	1,711	2,993	83%	96,486	2,392	643	69%	
1985	248,715	6,166	0.208	0	6,166	186	60%	67,827	1,682	2,871	82%	106,859	2,649	709	76%	
1986	245,348	6,083	0.204	0	6,083	182	58%	65,417	1,622	2,734	78%	103,436	2,565	686	72%	
1987	270,083	6,696	0.224	0	6,696	200	63%	71,972	1,784	2,977	84%	115,263	2,858	765	77%	
1988	254,849	6,319	0.210	0	6,319	187	71%	69,196	1,716	2,794	85%	108,451	2,689	720	78%	
1989	233,240	5,783	0.191	0	5,783	171	65%	72,837	1,806	2,902	88%	103,496	2,566	688	77%	
1990	252,974	6,272	0.207	0	6,272	185	73%	70,591	1,750	2,789	86%	105,580	2,618	702	79%	
1991	234,762	5,821	0.191	0	5,821	171	79%	67,302	1,669	2,642	88%	96,847	2,401	647	83%	
1992	216,424	5,366	0.176	0	5,366	157	65%	64,958	1,611	2,543	81%	89,983	2,231	601	75%	
1993	213,218	5,286	0.173	0	5,286	155	59%	66,075	1,638	2,564	78%	85,653	2,124	574	69%	
1994	242,819	6,020	0.197	0	6,020	176	65%	70,963	1,759	2,750	81%	91,030	2,257	614	72%	
1995	230,635	5,718	0.187	0	5,718	167	60%	71,226	1,766	2,752	79%	90,902	2,254	614	70%	
1996	249,231	6,179	0.201	0	6,179	179	61%	75,980	1,884	2,934	79%	97,559	2,419	662	73%	
1997	243,808	6,045	0.196	0	6,045	175	56%	77,903	1,931	3,004	80%	91,831	2,277	620	67%	
1998	247,281	6,131	0.199	0	6,131	177	63%	77,609	1,924	2,987	83%	92,940	2,304	629	73%	
1999	265,748	6,589	0.214	0	6,589	191	64%	80,274	1,990	3,087	84%	93,685	2,323	633	71%	
2000	290,267	7,197	0.233	0	7,197	208	65%	77,929	1,932	2,995	79%	100,372	2,489	678	72%	
2001	295,868	7,336	0.237	0	7,336	212	67%	80,399	1,993	3,052	84%	103,846	2,575	699	75%	
2002	263,588	6,535	0.211	0	6,535	189	60%	75,462	1,871	2,873	82%	93,125	2,309	626	69%	
2003	256,933	6,370	0.205	0	6,370	183	61%	76,461	1,896	2,935	84%	94,692	2,348	635	72%	
2004	249,883	6,195	0.199	0	6,195	178	56%	73,298	1,817	2,802	81%	92,061	2,283	614	66%	
2005	260,211	6,452	0.207	0	6,452	185	63%	76,530	1,897	2,926	85%	97,105	2,408	648	71%	
2006	256,780	6,366	0.205	0	6,366	183	62%	75,777	1,879	2,928	86%	98,222	2,435	655	71%	
2007	253,560	6,287	0.202	0	6,287	180	59%	71,056	1,762	2,757	79%	95,088	2,358	635	67%	
2008	248,816	6,169	0.199	0	6,169	177	58%	71,167	1,764	2,626	78%	94,347	2,339	626	69%	
2009	241,632	5,991	0.194	0	5,991	173	62%	73,985	1,834	2,609	82%	86,793	2,152	571	73%	
2010	226,591	5,618	0.181	0	5,618	162	62%	73,036	1,811	2,565	83%	83,322	2,066	545	74%	
2011	214,738	5,324	0.171	0	5,324	153	60%	72,503	1,798	2,491	83%	81,338	2,017	528	72%	
2012	273,368	6,778	0.218	0	6,778	194	75%	75,796	1,879	2,588	88%	92,642	2,297	605	80%	
2013	212,725	5,274	0.169	0	5,274	151	55%	68,290	1,693	2,291	80%	81,986	2,033	537	68%	
2014	288,609	7,156	0.229	0	7,156	205	89%	74,080	1,837	2,422	94%	96,400	2,390	631	87%	
2015	206,477	5,119	1.519	0	5,119	146	77%	67,253	1,667	2,082	90%	81,472	2,020	535	79%	
2016					5,947	170			1,936	2,375			2,144	567		
2017					5,955	170			1,971	2,375			2,147	567		
2018					5,963	170			2,007	2,375			2,151	567		
2019					5,971	170			2,043	2,375			2,154	567		
2020					5,979	170			2,080	2,375			2,157	567		
2025					6,019	170			2,275	2,375			2,174	567		
2030					6,060	170			2,489	2,375			2,191	567		
2035					6,100	170			2,723	2,375			2,208	567		
2040					6,142	170			2,979	2,375			2,226	567		

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

California Water Service Company - Mid-Peninsula District (Combined)
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	20,252	502	3,770	75%	9,499	236	720	31%
1981	16,294	404	3,076	64%	16,120	400	1,213	45%
1982	15,202	377	2,920	57%	10,587	262	797	34%
1983	20,354	505	3,912	86%	10,165	252	758	33%
1984	14,473	359	2,880	91%	11,044	274	816	30%
1985	15,183	376	3,046	106%	11,305	280	832	33%
1986	9,483	235	1,895	67%	11,442	284	846	34%
1987	12,280	304	2,443	83%	22,741	564	1,663	61%
1988	10,708	265	2,231	82%	13,356	331	971	43%
1989	10,121	251	2,113	97%	11,842	294	856	41%
1990	7,257	180	1,527	77%	13,799	342	1,001	46%
1991	6,326	157	1,354	88%	13,399	332	984	49%
1992	3,831	95	829	69%	12,943	321	926	42%
1993	3,450	86	760	58%	12,291	305	882	39%
1994	4,339	108	956	70%	11,093	275	798	36%
1995	4,977	123	1,087	78%	12,803	317	913	39%
1996	4,478	111	980	69%	14,219	353	1,000	39%
1997	4,505	112	997	71%	14,373	356	1,011	38%
1998	5,000	124	1,113	81%	12,737	316	897	40%
1999	4,313	107	952	70%	14,809	367	1,041	43%
2000	4,919	122	1,087	79%	16,775	416	1,179	47%
2001	4,722	117	1,026	95%	15,920	395	1,077	43%
2002	3,861	96	840	72%	19,829	492	1,344	54%
2003	3,932	97	876	78%	10,597	263	842	35%
2004	3,413	85	769	68%	14,036	348	1,118	41%
2005	3,930	97	888	77%	11,229	278	893	40%
2006	3,820	95	863	80%	11,510	285	909	41%
2007	3,635	90	825	88%	11,991	297	942	40%
2008	2,940	73	675	86%	10,838	269	773	34%
2009	1,213	30	285	48%	11,065	274	732	37%
2010	1,676	42	399	71%	11,184	277	744	42%
2011	1,854	46	434	77%	12,760	316	854	46%
2012	1,684	42	397	75%	16,248	403	1,131	54%
2013	1,310	32	310	59%	10,897	270	794	33%
2014	1,605	40	378	79%	15,764	391	1,135	52%
2015	1,446	36	344	77%	11,522	286	813	44%
2016		0	373			336	946	
2017		0	373			339	946	
2018		0	373			343	946	
2019		0	373			347	946	
2020		39	373			351	946	
2025		39	373			371	946	
2030		39	373			392	946	
2035		39	373			414	946	
2040		39	373			438	946	

Estimated Indoor/Outdoor Usage			
Est. Indoor Usage	Est. Outdoor Usage	Est. Indoor Usage	Est. Outdoor Usage
AFY	AFY	%	%
10,261	7,856	57%	43%
11,314	5,952	66%	34%
10,105	6,856	60%	40%
10,878	6,574	62%	38%
10,808	7,852	58%	42%
11,154	7,661	59%	41%
10,788	8,434	56%	44%
12,207	7,791	61%	39%
11,320	5,732	66%	34%
10,699	5,940	64%	36%
11,162	5,033	69%	31%
10,379	3,996	72%	28%
9,623	5,782	62%	38%
9,439	7,124	57%	43%
10,419	6,403	62%	38%
10,179	7,061	59%	41%
10,945	6,325	63%	37%
10,721	8,245	57%	43%
10,799	6,701	62%	38%
11,376	6,977	62%	38%
12,155	6,849	64%	36%
12,415	6,884	64%	36%
11,302	7,793	59%	41%
10,974	7,409	60%	40%
10,728	8,469	56%	44%
11,132	7,121	61%	39%
11,061	6,674	62%	38%
10,793	7,274	60%	40%
10,614	7,544	58%	42%
10,282	6,786	60%	40%
9,813	6,142	62%	38%
9,501	6,087	61%	39%
11,398	4,479	72%	28%
9,303	6,561	59%	41%
11,813	2,862	80%	20%
9,128	3,560	72%	28%
10,363	7,557	58%	42%
10,413	7,584	58%	42%
10,463	7,611	58%	42%
10,515	7,639	58%	42%
10,606	7,628	58%	42%
10,878	7,772	58%	42%
11,171	7,926	58%	42%
11,485	8,089	59%	41%
11,823	8,264	59%	41%

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