

Water Resources Planning Department

Water Supply / Demand Analysis and Projections
for
Palos Verdes District

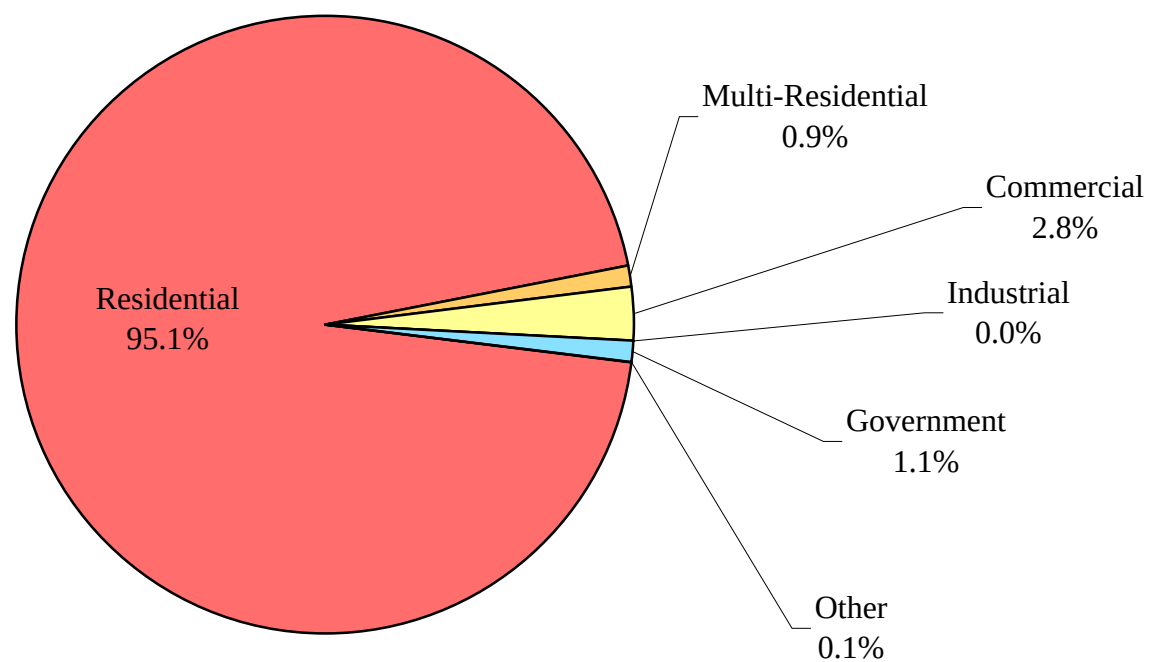
2010



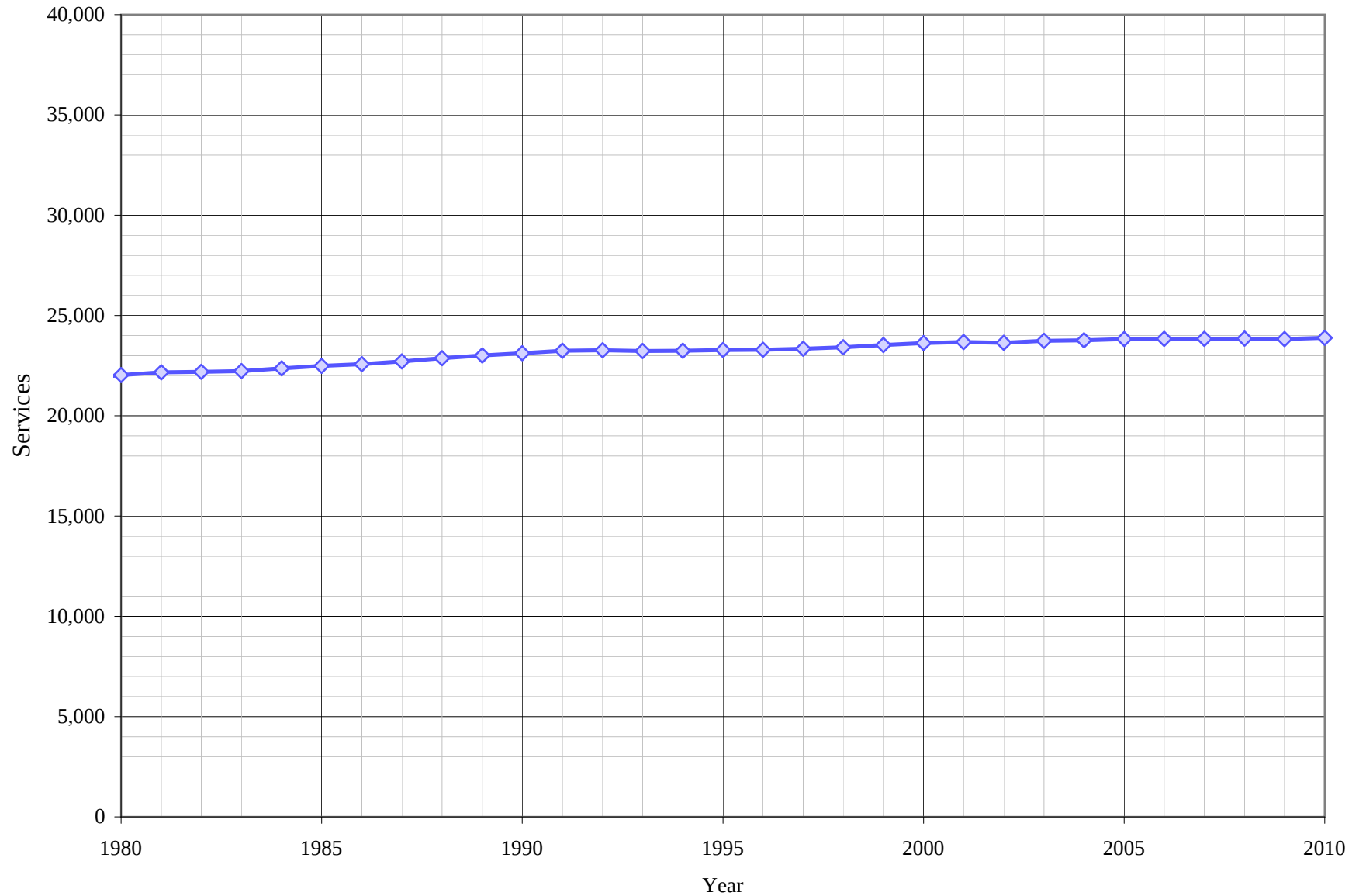
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Palos Verdes District Distribution of Services (2010)



Palos Verdes District Historical Services



California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Average Annual Services

Worksheet 1

Year	Residential	Multi-Residential	Multi-Res. units	Commercial	Industrial	Government	Other	Total
1970	17,090	0	0	0	0	148	16	17,254
1971	17,490	0	0	0	1	140	25	17,656
1972	17,883	0	0	0	9	149	26	18,067
1973	18,359	0	0	61	10	155	32	18,617
1974	19,213	106	1,897	305	11	171	29	19,835
1975	19,598	135	2,430	366	10	179	20	20,308
1976	19,899	139	2,457	431	13	208	21	20,711
1977	20,264	139	2,525	450	12	216	23	21,104
1978	20,558	141	2,566	454	13	212	29	21,407
1979	20,994	143	2,653	458	13	204	25	21,837
1980	21,187	144	2,680	466	12	196	27	22,032
1981	21,316	146	2,708	477	12	193	20	22,164
1982	21,333	146	2,711	479	13	205	19	22,195
1983	21,356	146	2,714	486	14	205	19	22,226
1984	21,495	146	2,717	486	13	207	17	22,364
1985	21,616	148	2,812	487	12	207	16	22,486
1986	21,702	149	2,959	485	13	206	16	22,571
1987	21,841	148	2,950	485	14	208	19	22,715
1988	21,992	148	2,950	492	12	202	27	22,873
1989	22,132	148	2,950	497	12	201	22	23,012
1990	22,249	148	2,922	487	12	206	22	23,124
1991	22,377	148	2,950	486	12	206	19	23,248
1992	22,412	148	2,939	483	12	200	13	23,268
1993	22,384	148	2,946	474	11	198	13	23,228
1994	22,399	148	2,943	479	11	199	12	23,248
1995	22,416	148	2,937	487	11	199	14	23,275
1996	22,435	148	2,954	488	11	199	14	23,295
1997	22,481	148	2,945	483	11	200	18	23,341
1998	22,554	148	2,968	480	12	199	25	23,418
1999	22,661	148	2,950	480	12	201	29	23,531
2000	22,748	146	2,897	487	11	204	25	23,621
2001	22,789	143	2,853	491	11	206	34	23,674
2002	22,758	144	3,051	495	12	210	20	23,639
2003	22,850	143	2,972	497	11	211	24	23,736
2004	22,890	143	2,945	491	10	210	24	23,768
2005	22,943	143	2,956	495	10	212	24	23,827
2006	22,952	143	2,967	497	10	217	20	23,839
2007	22,942	142	2,819	497	10	218	24	23,833
2008	22,810	182	2,803	578	4	244	28	23,846
2009	22,656	217	2,803	670	0	263	21	23,827
2010	22,703	218	0	678	0	267	18	23,884
5 Yr. Avg.	22,861	165	2,870	547	7	231	23	23,834
10 Yr. Avg.	22,834	155	2,907	520	9	220	24	23,761
20 Yr. Avg.	22,635	151	2,926	501	10	210	21	23,529

Five-year average is from years 2005 through 2009. Ten-year average is from years 2000 through 2009. Twenty-year average is from years 1990 through 2009.

California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Service Growth Percentage

Worksheet 2

Year	Residential	Multi-Residential	Multi-Res. units	Commercial	Industrial	Government	Other	Total
1981	0.61%	1.39%	1.04%	2.36%	0.00%	-1.53%	-25.93%	0.60%
1982	0.08%	0.00%	0.11%	0.42%	8.33%	6.22%	-5.00%	0.14%
1983	0.11%	0.00%	0.11%	1.46%	7.69%	0.00%	0.00%	0.14%
1984	0.65%	0.00%	0.11%	0.00%	-7.14%	0.98%	-10.53%	0.62%
1985	0.56%	1.37%	3.50%	0.21%	-7.69%	0.00%	-5.88%	0.55%
1986	0.40%	0.68%	5.23%	-0.41%	8.33%	-0.48%	0.00%	0.38%
1987	0.64%	-0.67%	-0.30%	0.00%	7.69%	0.97%	18.75%	0.64%
1988	0.69%	0.00%	0.00%	1.44%	-14.29%	-2.88%	42.11%	0.70%
1989	0.64%	0.00%	0.00%	1.02%	0.00%	-0.50%	-18.52%	0.61%
1990	0.53%	0.00%	-0.95%	-2.01%	0.00%	2.49%	0.00%	0.49%
1991	0.58%	0.00%	0.96%	-0.21%	0.00%	0.00%	-13.64%	0.54%
1992	0.16%	0.00%	-0.37%	-0.62%	0.00%	-2.91%	-31.58%	0.09%
1993	-0.12%	0.00%	0.24%	-1.86%	-8.33%	-1.00%	0.00%	-0.17%
1994	0.07%	0.00%	-0.10%	1.05%	0.00%	0.51%	-7.69%	0.09%
1995	0.08%	0.00%	-0.20%	1.67%	0.00%	0.00%	16.67%	0.12%
1996	0.08%	0.00%	0.58%	0.21%	0.00%	0.00%	0.00%	0.09%
1997	0.21%	0.00%	-0.30%	-1.02%	0.00%	0.50%	28.57%	0.20%
1998	0.32%	0.00%	0.78%	-0.62%	9.09%	-0.50%	38.89%	0.33%
1999	0.47%	0.00%	-0.61%	0.00%	0.00%	1.01%	16.00%	0.48%
2000	0.38%	-1.35%	-1.80%	1.46%	-8.33%	1.49%	-13.79%	0.38%
2001	0.18%	-2.05%	-1.52%	0.82%	0.00%	0.98%	36.00%	0.22%
2002	-0.14%	0.70%	6.94%	0.81%	9.09%	1.94%	-41.18%	-0.15%
2003	0.40%	-0.69%	-2.59%	0.40%	-8.33%	0.48%	20.00%	0.41%
2004	0.18%	0.00%	-0.91%	-1.21%	-9.09%	-0.47%	0.00%	0.13%
2005	0.23%	0.00%	0.37%	0.81%	0.00%	0.95%	0.00%	0.25%
2006	0.04%	0.00%	0.37%	0.40%	0.00%	2.36%	-16.67%	0.05%
2007	-0.04%	-0.70%	-4.99%	0.00%	0.00%	0.46%	20.00%	-0.03%
2008	-0.58%	28.17%	-0.57%	16.30%	-60.00%	11.93%	16.67%	0.05%
2009	-0.68%	19.23%	0.00%	15.92%	-100.00%	7.79%	-25.00%	-0.08%
2010	0.21%	0.46%	-100.00%	1.19%	#DIV/0!	1.52%	-14.29%	0.24%
5 Yr. Avg.	-0.21%	9.34%	-0.96%	6.69%	-32.00%	4.70%	-1.00%	0.05%
10 Yr. Avg.	0.00%	4.33%	-0.47%	3.57%	-17.67%	2.79%	-0.40%	0.12%

Five-year average is from years 2005 through 2009.

Ten-year average is from years 2000 through 2009.

California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Sales(ccf)

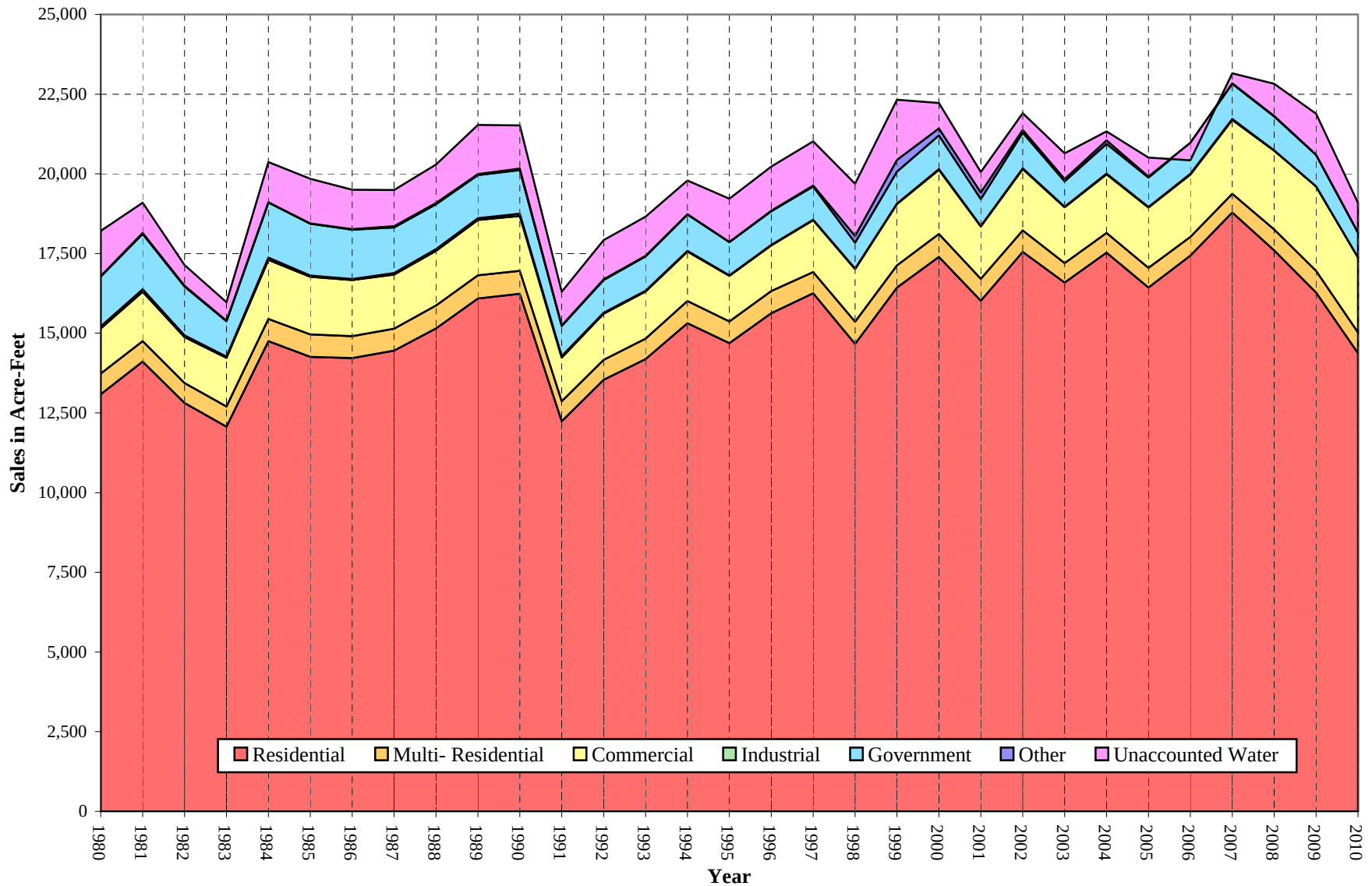
Worksheet 3

Year	Residential	Multi-Residential	Commercial	Industrial	Government	Other	Unaccounted Water	Total(Ccf) Sales	Total(Ccf) Demand	Total(kgal) Demand
1980	5,700,708	282,438	617,546	27,509	679,940	8,320	614,941	7,316,461	7,931,402	5,933,101
1981	6,146,187	280,285	676,078	32,722	754,809	14,374	413,190	7,904,455	8,317,645	6,222,031
1982	5,580,886	274,227	625,142	25,742	667,276	8,993	283,079	7,182,266	7,465,345	5,584,466
1983	5,258,465	275,314	663,038	19,633	481,434	7,581	252,889	6,705,465	6,958,354	5,205,211
1984	6,426,828	301,781	809,983	28,498	753,078	4,244	547,559	8,324,412	8,871,971	6,636,696
1985	6,212,524	307,324	785,229	16,874	710,477	3,426	608,304	8,035,854	8,644,158	6,466,280
1986	6,194,451	301,704	765,856	14,227	674,616	6,861	535,264	7,957,715	8,492,979	6,353,190
1987	6,295,658	301,051	738,543	20,319	626,099	15,823	492,272	7,997,493	8,489,765	6,350,786
1988	6,600,239	314,257	745,487	23,226	615,406	13,994	527,707	8,312,609	8,840,316	6,613,016
1989	7,008,135	317,019	756,028	23,508	590,412	12,659	673,885	8,707,761	9,381,646	7,017,959
1990	7,075,094	311,357	751,329	28,447	598,246	21,464	588,717	8,785,937	9,374,654	7,012,729
1991	5,332,080	271,569	599,476	19,170	412,934	5,235	460,303	6,640,464	7,100,767	5,311,743
1992	5,896,549	274,965	629,465	12,871	446,714	9,691	534,618	7,270,255	7,804,873	5,838,451
1993	6,181,020	280,688	642,356	10,699	470,510	4,769	535,226	7,590,042	8,125,268	6,078,123
1994	6,672,377	301,855	674,769	10,065	499,094	3,957	457,466	8,162,117	8,619,583	6,447,896
1995	6,399,719	295,805	622,264	7,342	452,517	6,135	588,367	7,783,782	8,372,149	6,262,803
1996	6,809,443	300,729	623,646	7,637	461,665	6,745	603,272	8,209,865	8,813,137	6,592,685
1997	7,080,346	289,409	709,097	8,488	452,160	14,718	602,371	8,554,218	9,156,589	6,849,605
1998	6,388,768	303,688	718,208	6,291	355,781	92,443	712,673	7,865,179	8,577,852	6,416,679
1999	7,158,583	304,692	836,288	9,270	433,568	161,260	820,821	8,903,661	9,724,482	7,274,418
2000	7,578,006	311,984	876,904	9,236	459,629	98,704	345,405	9,334,463	9,679,868	7,241,045
2001	6,977,930	301,102	714,607	6,793	368,728	88,038	279,525	8,457,198	8,736,723	6,535,523
2002	7,645,576	293,562	838,956	9,235	489,108	36,067	229,791	9,312,504	9,542,295	7,138,133
2003	7,226,696	266,007	762,198	9,429	347,636	28,877	349,623	8,640,843	8,990,466	6,725,336
2004	7,634,311	271,243	801,596	8,597	404,208	48,883	124,354	9,168,838	9,293,192	6,951,791
2005	7,159,369	268,362	823,499	7,054	404,234	13,818	256,383	8,676,336	8,932,719	6,682,138
2006	7,595,903	253,422	853,484	8,624	420,250	3,788	-239,588	9,135,471	8,895,883	6,654,583
2007	8,184,924	255,718	1,008,686	12,017	481,476	6,444	135,494	9,949,265	10,084,759	7,543,924
2008	7,666,749	285,736	1,076,129	4,630	462,389	7,152	440,366	9,502,785	9,943,151	7,437,994
2009	7,090,603	295,802	1,154,322	0	431,931	3,339	559,057	8,975,997	9,535,054	7,132,716
2010	6,261,944	283,680	1,025,565	0	336,205	4,494	400,975	7,911,888	8,312,863	6,218,454
5 Yr. Avg.	7,539,510	271,808	983,224	6,465	440,056	6,908	230,342	9,247,971	9,478,313	7,090,271
10 Yr. Avg.	7,476,007	280,294	891,038	7,562	426,959	33,511	248,041	9,115,370	9,363,411	7,004,318

Five-year average is from years 2005 through 2009.

Ten-year average is from years 2000 through 2009.

Palos Verdes District Historical Sales



California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Sales(AF)

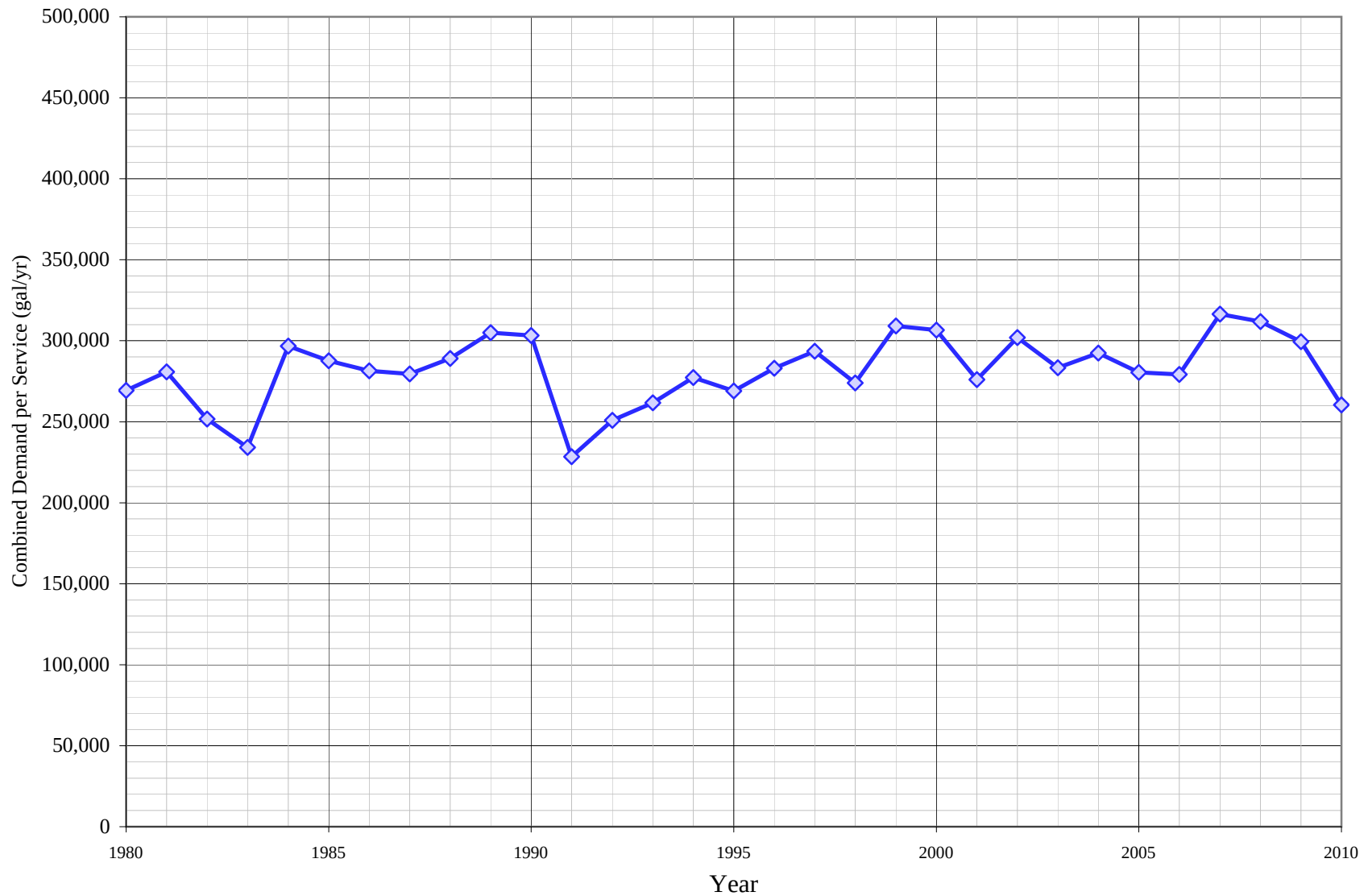
Worksheet 4

Year	Residential	Multi-Residential	Commercial	Industrial	Government	Other	Unaccounted Water	Total(AF) Sales	Total(AF) Demand	Total(Mgal) Demand
1980	13,087	648	1,418	63	1,561	19	1,412	16,796	18,208	5,933
1981	14,110	643	1,552	75	1,733	33	949	18,146	19,095	6,222
1982	12,812	630	1,435	59	1,532	21	650	16,488	17,138	5,584
1983	12,072	632	1,522	45	1,105	17	581	15,394	15,974	5,205
1984	14,754	693	1,859	65	1,729	10	1,257	19,110	20,367	6,637
1985	14,262	706	1,803	39	1,631	8	1,396	18,448	19,844	6,466
1986	14,221	693	1,758	33	1,549	16	1,229	18,268	19,497	6,353
1987	14,453	691	1,695	47	1,437	36	1,130	18,360	19,490	6,351
1988	15,152	721	1,711	53	1,413	32	1,211	19,083	20,295	6,613
1989	16,088	728	1,736	54	1,355	29	1,547	19,990	21,537	7,018
1990	16,242	715	1,725	65	1,373	49	1,352	20,170	21,521	7,013
1991	12,241	623	1,376	44	948	12	1,057	15,244	16,301	5,312
1992	13,537	631	1,445	30	1,026	22	1,227	16,690	17,918	5,838
1993	14,190	644	1,475	25	1,080	11	1,229	17,424	18,653	6,078
1994	15,318	693	1,549	23	1,146	9	1,050	18,738	19,788	6,448
1995	14,692	679	1,429	17	1,039	14	1,351	17,869	19,220	6,263
1996	15,632	690	1,432	18	1,060	15	1,385	18,847	20,232	6,593
1997	16,254	664	1,628	19	1,038	34	1,383	19,638	21,021	6,850
1998	14,667	697	1,649	14	817	212	1,636	18,056	19,692	6,417
1999	16,434	699	1,920	21	995	370	1,884	20,440	22,324	7,274
2000	17,397	716	2,013	21	1,055	227	793	21,429	22,222	7,241
2001	16,019	691	1,641	16	846	202	642	19,415	20,057	6,536
2002	17,552	674	1,926	21	1,123	83	528	21,379	21,906	7,138
2003	16,590	611	1,750	22	798	66	803	19,837	20,639	6,725
2004	17,526	623	1,840	20	928	112	285	21,049	21,334	6,952
2005	16,436	616	1,890	16	928	32	589	19,918	20,507	6,682
2006	17,438	582	1,959	20	965	9	-550	20,972	20,422	6,655
2007	18,790	587	2,316	28	1,105	15	311	22,840	23,151	7,544
2008	17,600	656	2,470	11	1,061	16	1,011	21,815	22,826	7,438
2009	16,278	679	2,650	0	992	8	1,283	20,606	21,889	7,133
2010	14,375	651	2,354	0	772	10	921	18,163	19,084	6,218
5 Yr. Avg.	17,308	624	2,257	15	1,010	16	529	21,230	21,759	7,090
10 Yr. Avg.	17,163	643	2,046	17	980	77	569	20,926	21,495	7,004

Five-year average is from years 2005 through 2009.

Ten-year average is from years 2000 through 2009.

Palos Verdes District Historical Demand per Service



California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 5

Demand per Service(gal/yr)

Year	Multi-Residential			Commercial	Industrial	Government	Total Other	Unaccounted/ Total Services	Combined Demand/Serv
	Residential	(service)	(unit)						
1980	201,276	1,467,210	78,835	991,323	1,714,847	2,595,053	230,511	20,879	269,295
1981	215,691	1,436,081	77,425	1,060,255	2,039,813	2,925,577	537,625	13,945	280,727
1982	195,696	1,405,041	75,668	976,281	1,481,258	2,434,913	354,065	9,541	251,609
1983	184,192	1,410,611	75,884	1,020,549	1,049,036	1,756,769	298,473	8,511	234,195
1984	223,661	1,546,218	83,087	1,246,727	1,639,845	2,721,457	186,749	18,315	296,758
1985	214,993	1,553,340	81,755	1,206,144	1,051,886	2,567,506	160,177	20,237	287,569
1986	213,518	1,514,700	76,272	1,181,237	818,657	2,449,747	320,774	17,740	281,476
1987	215,626	1,521,634	76,340	1,139,110	1,085,691	2,251,705	622,970	16,212	279,586
1988	224,505	1,588,382	79,688	1,133,461	1,447,855	2,278,989	387,713	17,258	289,119
1989	236,872	1,602,343	80,389	1,137,924	1,465,434	2,197,308	430,436	21,906	304,970
1990	237,878	1,573,725	79,710	1,154,072	1,773,320	2,172,423	729,827	19,045	303,266
1991	178,249	1,372,620	68,864	922,714	1,195,013	1,499,496	206,108	14,811	228,482
1992	196,811	1,389,785	69,986	974,891	802,348	1,670,827	557,644	17,188	250,922
1993	206,564	1,418,711	71,273	1,013,746	727,583	1,777,606	274,420	17,237	261,672
1994	222,835	1,525,698	76,726	1,053,784	684,468	1,876,122	246,670	14,720	277,353
1995	213,567	1,495,118	75,341	955,823	499,291	1,701,036	327,807	18,910	269,079
1996	227,048	1,520,006	76,155	955,983	519,352	1,735,424	360,401	19,372	283,009
1997	235,597	1,462,790	73,512	1,098,222	577,224	1,691,196	611,657	19,305	293,458
1998	211,897	1,534,962	76,541	1,119,285	392,166	1,337,400	2,766,087	22,765	274,006
1999	236,309	1,540,037	77,263	1,303,306	577,870	1,613,589	4,159,685	26,094	309,142
2000	249,197	1,598,495	80,559	1,346,961	628,092	1,685,423	2,953,429	10,939	306,551
2001	229,051	1,575,105	78,948	1,088,723	461,956	1,338,970	1,936,971	8,832	276,063
2002	251,309	1,524,998	71,976	1,267,844	575,688	1,742,277	1,349,000	7,272	301,964
2003	236,584	1,391,518	66,954	1,147,211	641,217	1,232,464	900,062	11,019	283,339
2004	249,492	1,418,908	68,898	1,221,254	643,100	1,439,850	1,523,626	3,914	292,485
2005	233,430	1,403,837	67,912	1,244,485	527,676	1,426,359	430,691	8,049	280,444
2006	247,566	1,325,684	63,894	1,284,608	645,120	1,448,704	141,681	-7,518	279,147
2007	266,879	1,347,115	67,858	1,518,208	898,934	1,652,152	200,852	4,253	316,533
2008	251,430	1,174,425	76,256	1,392,734	865,870	1,417,586	191,074	13,814	311,918
2009	234,116	1,019,702	78,942	1,288,795		1,228,543	118,940	17,552	299,354
2010	206,328	973,428		1,131,528		941,943	186,764	12,559	260,361
5 Yr. Avg.	246,684	1,254,153	70,972	1,345,766	734,400	1,434,669	216,648	7,230	297,479
10 Yr. Avg.	244,906	1,377,979	72,220	1,280,082	654,184	1,461,233	974,633	7,812	294,780

Five-year average is from years 2005 through 2009.

Ten-year average is from years 2000 through 2009.

California Water Service Company - Palos Verdes District

Worksheet 6

Water Supply and Demand Analysis and Projections

Demand per Service(Gallons/Day)

Year	Multi-Residential			Commercial	Industrial	Government	Total Other	Unaccounted/ Total Services	Combined Demand/Serv
	Residential	(service)	(unit)						
1980	551	4,020	216	2,716	4,698	7,110	632	57	738
1981	591	3,934	212	2,905	5,589	8,015	1,473	38	769
1982	536	3,849	207	2,675	4,058	6,671	970	26	689
1983	505	3,865	208	2,796	2,874	4,813	818	23	642
1984	613	4,236	228	3,416	4,493	7,456	512	50	813
1985	589	4,256	224	3,305	2,882	7,034	439	55	788
1986	585	4,150	209	3,236	2,243	6,712	879	49	771
1987	591	4,169	209	3,121	2,974	6,169	1,707	44	766
1988	615	4,352	218	3,105	3,967	6,244	1,062	47	792
1989	649	4,390	220	3,118	4,015	6,020	1,179	60	836
1990	652	4,312	218	3,162	4,858	5,952	2,000	52	831
1991	488	3,761	189	2,528	3,274	4,108	565	41	626
1992	539	3,808	192	2,671	2,198	4,578	1,528	47	687
1993	566	3,887	195	2,777	1,993	4,870	752	47	717
1994	611	4,180	210	2,887	1,875	5,140	676	40	760
1995	585	4,096	206	2,619	1,368	4,660	898	52	737
1996	622	4,164	209	2,619	1,423	4,755	987	53	775
1997	645	4,008	201	3,009	1,581	4,633	1,676	53	804
1998	581	4,205	210	3,067	1,074	3,664	7,578	62	751
1999	647	4,219	212	3,571	1,583	4,421	11,396	71	847
2000	683	4,379	221	3,690	1,721	4,618	8,092	30	840
2001	628	4,315	216	2,983	1,266	3,668	5,307	24	756
2002	689	4,178	197	3,474	1,577	4,773	3,696	20	827
2003	648	3,812	183	3,143	1,757	3,377	2,466	30	776
2004	684	3,887	189	3,346	1,762	3,945	4,174	11	801
2005	640	3,846	186	3,410	1,446	3,908	1,180	22	768
2006	678	3,632	175	3,519	1,767	3,969	388	-21	765
2007	731	3,691	186	4,159	2,463	4,526	550	12	867
2008	689	3,218	209	3,816	2,372	3,884	523	38	855
2009	641	2,794	216	3,531		3,366	326	48	820
2010	565	2,667	0	3,100		2,581	512	34	713
5 Yr. Avg.	676	3,436	194	3,687	2,012	3,931	594	20	815
10 Yr. Avg.	671	3,775	198	3,507	1,792	4,003	2,670	21	808

Five-year average is from years 2005 through 2009.

Ten-year average is from years 2000 through 2009.

California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Percentage Change in Annual Demand

Worksheet 7

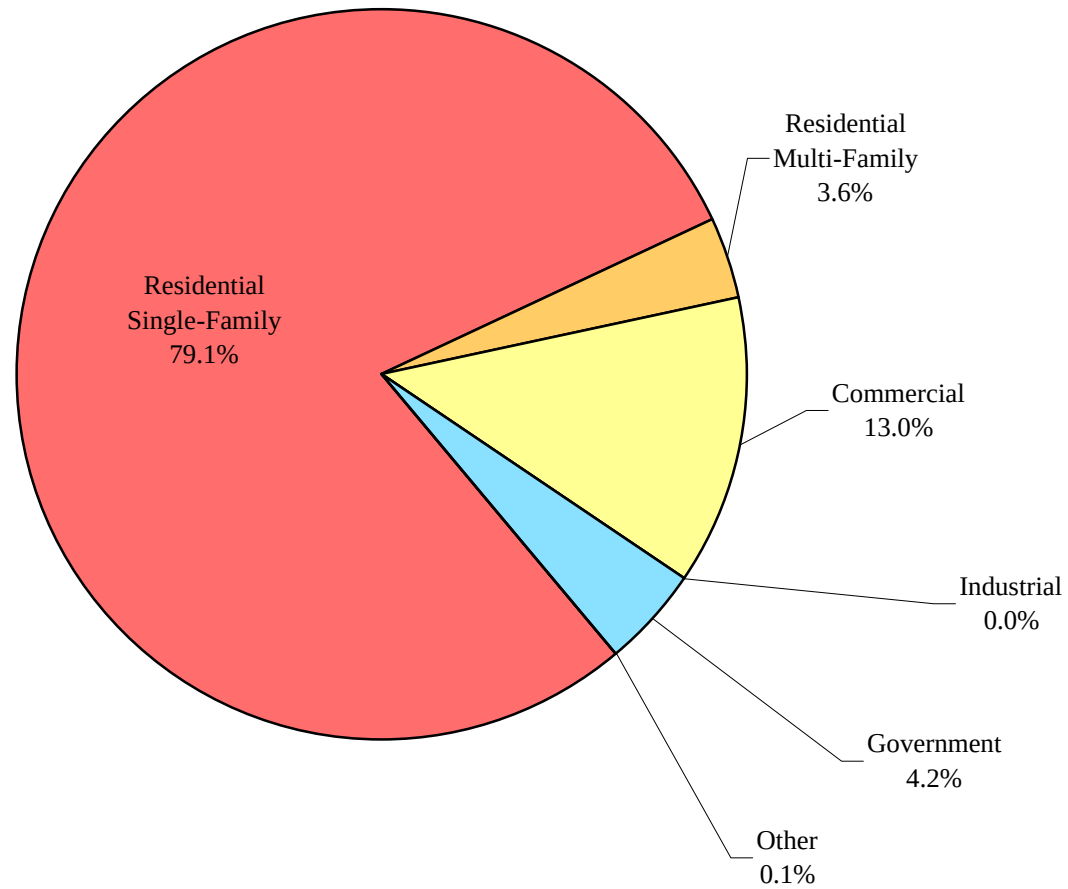
Year	Residential	Multi-Residential	Commercial	Industrial	Government	Other	Unaccounted Water	Total
1981	7.81%	-0.76%	9.48%	18.95%	11.01%	72.76%	-32.81%	4.87%
1982	-9.20%	-2.16%	-7.53%	-21.33%	-11.60%	-37.44%	-31.49%	-10.25%
1983	-5.78%	0.40%	6.06%	-23.73%	-27.85%	-15.70%	-10.66%	-6.79%
1984	22.22%	9.61%	22.16%	45.15%	56.42%	-44.02%	116.52%	27.50%
1985	-3.33%	1.84%	-3.06%	-40.79%	-5.66%	-19.27%	11.09%	-2.57%
1986	-0.29%	-1.83%	-2.47%	-15.69%	-5.05%	100.26%	-12.01%	-1.75%
1987	1.63%	-0.22%	-3.57%	42.82%	-7.19%	130.62%	-8.03%	-0.04%
1988	4.84%	4.39%	0.94%	14.31%	-1.71%	-11.56%	7.20%	4.13%
1989	6.18%	0.88%	1.41%	1.21%	-4.06%	-9.54%	27.70%	6.12%
1990	0.96%	-1.79%	-0.62%	21.01%	1.33%	69.56%	-12.64%	-0.07%
1991	-24.64%	-12.78%	-20.21%	-32.61%	-30.98%	-75.61%	-21.81%	-24.26%
1992	10.59%	1.25%	5.00%	-32.86%	8.18%	85.12%	16.14%	9.92%
1993	4.82%	2.08%	2.05%	-16.88%	5.33%	-50.79%	0.11%	4.11%
1994	7.95%	7.54%	5.05%	-5.93%	6.08%	-17.03%	-14.53%	6.08%
1995	-4.09%	-2.00%	-7.78%	-27.05%	-9.33%	55.04%	28.61%	-2.87%
1996	6.40%	1.66%	0.22%	4.02%	2.02%	9.94%	2.53%	5.27%
1997	3.98%	-3.76%	13.70%	11.14%	-2.06%	118.21%	-0.15%	3.90%
1998	-9.77%	4.93%	1.28%	-25.88%	-21.32%	528.09%	18.31%	-6.32%
1999	12.05%	0.33%	16.44%	47.35%	21.86%	74.44%	15.18%	13.37%
2000	5.86%	2.39%	4.86%	-0.37%	6.01%	-38.79%	-57.92%	-0.46%
2001	-7.92%	-3.49%	-18.51%	-26.45%	-19.78%	-10.81%	-19.07%	-9.74%
2002	9.57%	-2.50%	17.40%	35.95%	32.65%	-59.03%	-17.79%	9.22%
2003	-5.48%	-9.39%	-9.15%	2.10%	-28.92%	-19.94%	52.15%	-5.78%
2004	5.64%	1.97%	5.17%	-8.82%	16.27%	69.28%	-64.43%	3.37%
2005	-6.22%	-1.06%	2.73%	-17.95%	0.01%	-71.73%	106.17%	-3.88%
2006	6.10%	-5.57%	3.64%	22.26%	3.96%	-72.59%	-193.45%	-0.41%
2007	7.75%	0.91%	18.18%	39.34%	14.57%	70.12%	-156.55%	13.36%
2008	-6.33%	11.74%	6.69%	-61.47%	-3.96%	10.99%	225.01%	-1.40%
2009	-7.51%	3.52%	7.27%		-6.59%	-53.31%	26.95%	-4.10%
2010	-11.69%	-4.10%	-11.15%		-22.16%	34.59%	-28.28%	-12.82%
5 Yr. Avg.	-1.24%	1.91%	7.70%	-4.46%	1.60%	-23.30%	1.63%	0.71%
10 Yr. Avg.	0.15%	-0.15%	3.83%	-1.71%	1.42%	-17.58%	-9.89%	0.02%

Five Year Average is from 2005 through 2009.

Ten Year Average is from 2000 through 2009.

Palos Verdes District

Percent of Total Sales by Type of Use (2010)



California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Percentage of Total Sales

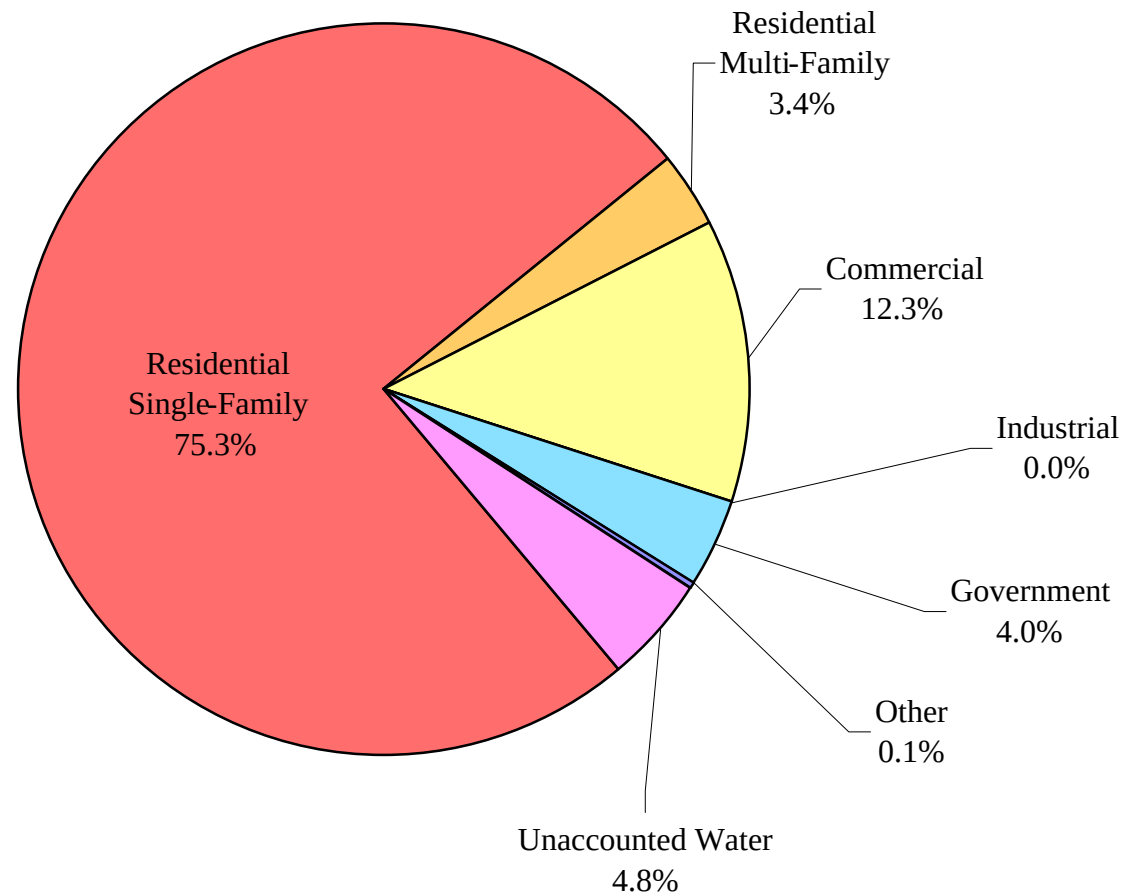
Year	Single-Family Residential	Multi-Family Residential	Commercial	Industrial	Government	Other	Percent Total
1980	77.92%	3.86%	8.44%	0.38%	9.29%	0.11%	100.00%
1981	77.76%	3.55%	8.55%	0.41%	9.55%	0.18%	100.00%
1982	77.70%	3.82%	8.70%	0.36%	9.29%	0.13%	100.00%
1983	78.42%	4.11%	9.89%	0.29%	7.18%	0.11%	100.00%
1984	77.20%	3.63%	9.73%	0.34%	9.05%	0.05%	100.00%
1985	77.31%	3.82%	9.77%	0.21%	8.84%	0.04%	100.00%
1986	77.84%	3.79%	9.62%	0.18%	8.48%	0.09%	100.00%
1987	78.72%	3.76%	9.23%	0.25%	7.83%	0.20%	100.00%
1988	79.40%	3.78%	8.97%	0.28%	7.40%	0.17%	100.00%
1989	80.48%	3.64%	8.68%	0.27%	6.78%	0.15%	100.00%
1990	80.53%	3.54%	8.55%	0.32%	6.81%	0.24%	100.00%
1991	80.30%	4.09%	9.03%	0.29%	6.22%	0.08%	100.00%
1992	81.11%	3.78%	8.66%	0.18%	6.14%	0.13%	100.00%
1993	81.44%	3.70%	8.46%	0.14%	6.20%	0.06%	100.00%
1994	81.75%	3.70%	8.27%	0.12%	6.11%	0.05%	100.00%
1995	82.22%	3.80%	7.99%	0.09%	5.81%	0.08%	100.00%
1996	82.94%	3.66%	7.60%	0.09%	5.62%	0.08%	100.00%
1997	82.77%	3.38%	8.29%	0.10%	5.29%	0.17%	100.00%
1998	81.23%	3.86%	9.13%	0.08%	4.52%	1.18%	100.00%
1999	80.40%	3.42%	9.39%	0.10%	4.87%	1.81%	100.00%
2000	81.18%	3.34%	9.39%	0.10%	4.92%	1.06%	100.00%
2001	82.51%	3.56%	8.45%	0.08%	4.36%	1.04%	100.00%
2002	82.10%	3.15%	9.01%	0.10%	5.25%	0.39%	100.00%
2003	83.63%	3.08%	8.82%	0.11%	4.02%	0.33%	100.00%
2004	83.26%	2.96%	8.74%	0.09%	4.41%	0.53%	100.00%
2005	82.52%	3.09%	9.49%	0.08%	4.66%	0.16%	100.00%
2006	83.15%	2.77%	9.34%	0.09%	4.60%	0.04%	100.00%
2007	82.27%	2.57%	10.14%	0.12%	4.84%	0.06%	100.00%
2008	80.68%	3.01%	11.32%	0.05%	4.87%	0.08%	100.00%
2009	79.00%	3.30%	12.86%	0.00%	4.81%	0.04%	100.00%
2010	79.15%	3.59%	12.96%	0.00%	4.25%	0.06%	100.00%
5 Yr. Avg.	81.52%	2.95%	10.63%	0.07%	4.76%	0.08%	100.00%
10 Yr. Avg.	82.03%	3.08%	9.76%	0.08%	4.67%	0.37%	100.00%

Five Year Average is from 2005 through 2009.

Ten Year Average is from 2000 through 2009.

Palos Verdes District

Percent of Total Demand by Type of Use (2010)



California Water Service Company - Palos Verdes District

Worksheet 9

Water Supply and Demand Analysis and Projections

Percentage of Total Demand

Year	Single-Family Residential	Multi-Family Residential	Commercial	Industrial	Government	Other	Unaccounted Water	Percent Total
1980	71.88%	3.56%	7.79%	0.35%	8.57%	0.10%	7.75%	100.00%
1981	73.89%	3.37%	8.13%	0.39%	9.07%	0.17%	4.97%	100.00%
1982	74.76%	3.67%	8.37%	0.34%	8.94%	0.12%	3.79%	100.00%
1983	75.57%	3.96%	9.53%	0.28%	6.92%	0.11%	3.63%	100.00%
1984	72.44%	3.40%	9.13%	0.32%	8.49%	0.05%	6.17%	100.00%
1985	71.87%	3.56%	9.08%	0.20%	8.22%	0.04%	7.04%	100.00%
1986	72.94%	3.55%	9.02%	0.17%	7.94%	0.08%	6.30%	100.00%
1987	74.16%	3.55%	8.70%	0.24%	7.37%	0.19%	5.80%	100.00%
1988	74.66%	3.55%	8.43%	0.26%	6.96%	0.16%	5.97%	100.00%
1989	74.70%	3.38%	8.06%	0.25%	6.29%	0.13%	7.18%	100.00%
1990	75.47%	3.32%	8.01%	0.30%	6.38%	0.23%	6.28%	100.00%
1991	75.09%	3.82%	8.44%	0.27%	5.82%	0.07%	6.48%	100.00%
1992	75.55%	3.52%	8.07%	0.16%	5.72%	0.12%	6.85%	100.00%
1993	76.07%	3.45%	7.91%	0.13%	5.79%	0.06%	6.59%	100.00%
1994	77.41%	3.50%	7.83%	0.12%	5.79%	0.05%	5.31%	100.00%
1995	76.44%	3.53%	7.43%	0.09%	5.41%	0.07%	7.03%	100.00%
1996	77.26%	3.41%	7.08%	0.09%	5.24%	0.08%	6.85%	100.00%
1997	77.33%	3.16%	7.74%	0.09%	4.94%	0.16%	6.58%	100.00%
1998	74.48%	3.54%	8.37%	0.07%	4.15%	1.08%	8.31%	100.00%
1999	73.61%	3.13%	8.60%	0.10%	4.46%	1.66%	8.44%	100.00%
2000	78.29%	3.22%	9.06%	0.10%	4.75%	1.02%	3.57%	100.00%
2001	79.87%	3.45%	8.18%	0.08%	4.22%	1.01%	3.20%	100.00%
2002	80.12%	3.08%	8.79%	0.10%	5.13%	0.38%	2.41%	100.00%
2003	80.38%	2.96%	8.48%	0.10%	3.87%	0.32%	3.89%	100.00%
2004	82.15%	2.92%	8.63%	0.09%	4.35%	0.53%	1.34%	100.00%
2005	80.15%	3.00%	9.22%	0.08%	4.53%	0.15%	2.87%	100.00%
2006	85.39%	2.85%	9.59%	0.10%	4.72%	0.04%	-2.69%	100.00%
2007	81.16%	2.54%	10.00%	0.12%	4.77%	0.06%	1.34%	100.00%
2008	77.11%	2.87%	10.82%	0.05%	4.65%	0.07%	4.43%	100.00%
2009	74.36%	3.10%	12.11%	0.00%	4.53%	0.04%	5.86%	100.00%
2010	75.33%	3.41%	12.34%	0.00%	4.04%	0.05%	4.82%	100.00%
5 Yr. Avg.	79.63%	2.87%	10.35%	0.07%	4.64%	0.07%	2.36%	100.00%
10 Yr. Avg.	79.90%	3.00%	9.49%	0.08%	4.55%	0.36%	2.62%	100.00%

Five Year Average is from 2005 through 2009.

Ten Year Average is from 2000 through 2009.

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 10

Scenario #1: Based on Maintaining Growth at the ☐ 10-Year Average Annual Growth and ☒ Low Demand per Service for each Customer Class.
☒ 5-Year ☐ Average ☐ High

Summary of Historical Growth Rate from Worksheet 2			
Customer Type	5 Yr. Avg. Historical Growth Rate	Individual Growth Rate Selected	Notes
Single Family Residential	-0.206%	0.048%	Overall growth rate used
Multi Family Residential	9.340%	0.048%	Overall growth rate used
Commercial	6.686%	0.048%	Overall growth rate used
Industrial	-32.000%	0.048%	Overall growth rate used
Government	4.698%	0.048%	Overall growth rate used
Other	-1.000%	0.048%	Overall growth rate used
Overall	0.048%	0.048%	

Summary of Lowest Demand per Service from Worksheets 5 and 6									
Demand/Serv. Units	Residential	Multi-Residential		Commercial	Industrial	Government	Total Other	Unaccounted Total Serv.	Combined Demand/Serv.
		(service)	(unit)						
Gal/Service/Yr	178,249	1,372,620	68,864	922,714	392,166	1,499,496	206,108	14,811	228,482
AF/Service/Yr	0.547	4.212	0.211	2.832	1.204	4.602	0.633	0.045	0.701
Gal/Service/Day	488	3,761	189	2,528	1,074	4,108	565	41	626

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 10

30-year projection Summary

Scenario #1: Based on Maintaining Growth at the

- ☐ 10-Year
☒ 5-Year

Average Annual Growth and

- ☒ Low
☐ Average
☐ High

Demand per Service for each Customer Class.

Customer Type	Projected Services 2010	Projected Services 2015	Projected Services 2020	Projected Services 2025	Projected Services 2030	Projected Services 2035	Projected Services 2040	Services projected to be added from 2010 - 2040
Single Family Residential	22,667	22,721	22,776	22,831	22,885	22,940	22,996	329
Multi Family Residential	217	218	218	219	219	220	220	3
Commercial	670	672	674	675	677	678	680	10
Industrial	0	0	0	0	0	0	0	0
Government	263	264	264	265	266	266	267	4
Other	21	21	21	21	21	21	21	0
Total	23,838	23,896	23,953	24,011	24,068	24,126	24,184	346

Customer Type	Projected Demand 2010 (ccf)	Projected Demand 2015 (ccf)	Projected Demand 2020 (ccf)	Projected Demand 2025 (ccf)	Projected Demand 2030 (ccf)	Projected Demand 2035 (ccf)	Projected Demand 2040 (ccf)	Projected demand to be added from 2010 - 2040 (ccf)
Single Family Residential	5,401,130	5,414,106	5,427,112	5,440,150	5,453,218	5,466,319	5,479,450	78,320
Multi Family Residential	398,368	399,325	400,285	401,246	402,210	403,176	404,145	5,777
Commercial	826,831	828,818	830,809	832,805	834,805	836,811	838,821	11,990
Industrial	0	0	0	0	0	0	0	0
Government	527,443	528,710	529,981	531,254	532,530	533,809	535,092	7,648
Other	5,789	5,803	5,817	5,831	5,845	5,859	5,873	84
Unaccounted	471,992	473,125	474,262	475,401	476,543	477,688	478,836	6,844
Total	7,631,554	7,649,887	7,668,265	7,686,686	7,705,152	7,723,662	7,742,217	110,663

Customer Type	Projected Demand 2010 (AF)	Projected Demand 2015 (AF)	Projected Demand 2020 (AF)	Projected Demand 2025 (AF)	Projected Demand 2030 (AF)	Projected Demand 2035 (AF)	Projected Demand 2040 (AF)	Projected demand to be added from 2010 - 2040 (AF)
Single Family Residential	12,399	12,429	12,459	12,489	12,519	12,549	12,579	180
Multi Family Residential	915	917	919	921	923	926	928	13
Commercial	1,898	1,903	1,907	1,912	1,916	1,921	1,926	28
Industrial	0	0	0	0	0	0	0	0
Government	1,211	1,214	1,217	1,220	1,223	1,225	1,228	18
Other	13	13	13	13	13	13	13	0
Unaccounted	1,084	1,086	1,089	1,091	1,094	1,097	1,099	16
Total	17,520	17,562	17,604	17,646	17,689	17,731	17,774	254

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 10

2000's Projections

Scenario #1: Based on Maintaining Growth at the

- ☐ 10-Year
☒ 5-Year

Average Annual Growth and

- ☒ Low
☐ Average
☐ High

Demand per Service for each Customer Class.

Customer Type	Actual Services 2001	Actual Services 2002	Actual Services 2003	Actual Services 2004	Actual Services 2005	Actual Services 2006	Actual Services 2007	Actual Services 2008	Actual Services 2009	Projected Services 2010
Residential	22,789	22,758	22,850	22,890	22,943	22,952	22,942	22,810	22,656	22,667
Multi-Res.	143	144	143	143	143	143	142	182	217	217
Commercial	491	495	497	491	495	497	497	578	670	670
Industrial	11	12	11	10	10	10	10	4	0	0
Government	206	210	211	210	212	217	218	244	263	263
Other	34	20	24	24	24	20	24	28	21	21
Total	23,674	23,639	23,736	23,768	23,827	23,839	23,833	23,846	23,827	23,838

Customer Type	Demand 2001(Ccf)	Demand 2002(Ccf)	Demand 2003(Ccf)	Demand 2004(Ccf)	Demand 2005(ccf)	Demand 2006(Ccf)	Demand 2007(Ccf)	Demand 2008(Ccf)	Demand 2009(Ccf)	Demand 2010(Ccf)
Residential	5,430,231	5,422,844	5,444,766	5,454,297	5,466,926	5,469,071	5,466,688	5,435,235	5,398,539	5,401,130
Multi-Res.	262,393	264,228	262,393	262,393	262,393	262,393	260,558	333,955	398,177	398,368
Commercial	605,641	610,575	613,042	605,641	610,575	613,042	613,042	712,954	826,435	826,831
Industrial	5,767	6,291	5,767	5,242	5,242	5,242	5,242	2,097	0	0
Government	412,932	420,950	422,955	420,950	424,959	434,982	436,987	489,104	527,190	527,443
Other	9,368	5,511	6,613	6,613	6,613	5,511	6,613	7,715	5,786	5,789
Unaccounted	468,736	468,043	469,963	470,597	471,765	472,003	471,884	472,141	471,765	471,992
Total	7,195,068	7,198,442	7,225,499	7,225,734	7,248,474	7,262,244	7,261,014	7,453,201	7,627,893	7,631,554

Customer Type	Demand 2001(AF)	Demand 2002(AF)	Demand 2003(AF)	Demand 2004(AF)	Demand 2005(AF)	Demand 2006(AF)	Demand 2007(AF)	Demand 2008(AF)	Demand 2009(AF)	Demand 2010(AF)
Residential	12,466	12,449	12,500	12,521	12,550	12,555	12,550	12,478	12,393	12,399
Multi-Res.	602	607	602	602	602	602	598	767	914	915
Commercial	1,390	1,402	1,407	1,390	1,402	1,407	1,407	1,637	1,897	1,898
Industrial	13	14	13	12	12	12	12	5	0	0
Government	948	966	971	966	976	999	1,003	1,123	1,210	1,211
Other	22	13	15	15	15	13	15	18	13	13
Unaccounted	1,076	1,074	1,079	1,080	1,083	1,084	1,083	1,084	1,083	1,084
Total	16,518	16,525	16,588	16,588	16,640	16,672	16,669	17,110	17,511	17,520

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 10

2010's Projections

Scenario #1: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☒ Low ☐ Average ☐ High Demand per Service for each Customer Class.

Customer Type	Projected Services 2011	Projected Services 2012	Projected Services 2013	Projected Services 2014	Projected Services 2015	Projected Services 2016	Projected Services 2017	Projected Services 2018	Projected Services 2019	Projected Services 2020
Residential	22,678	22,689	22,700	22,710	22,721	22,732	22,743	22,754	22,765	22,776
Multi-Res.	217	217	217	218	218	218	218	218	218	218
Commercial	671	671	671	672	672	672	673	673	673	674
Industrial	0	0	0	0	0	0	0	0	0	0
Government	263	263	264	264	264	264	264	264	264	264
Other	21	21	21	21	21	21	21	21	21	21
Total	23,850	23,861	23,873	23,884	23,896	23,907	23,919	23,930	23,942	23,953

Customer Type	Demand 2011(Ccf)	Demand 2012(Ccf)	Demand 2013(Ccf)	Demand 2014(Ccf)	Demand 2015(Ccf)	Demand 2016(Ccf)	Demand 2017(Ccf)	Demand 2018(Ccf)	Demand 2019(Ccf)	Demand 2020(Ccf)
Residential	5,403,723	5,406,317	5,408,912	5,411,508	5,414,106	5,416,704	5,419,304	5,421,906	5,424,508	5,427,112
Multi-Res.	398,560	398,751	398,942	399,134	399,325	399,517	399,709	399,901	400,093	400,285
Commercial	827,228	827,625	828,023	828,420	828,818	829,216	829,614	830,012	830,410	830,809
Industrial	0	0	0	0	0	0	0	0	0	0
Government	527,697	527,950	528,203	528,457	528,710	528,964	529,218	529,472	529,726	529,981
Other	5,792	5,794	5,797	5,800	5,803	5,805	5,808	5,811	5,814	5,817
Unaccounted	472,218	472,445	472,672	472,898	473,125	473,353	473,580	473,807	474,035	474,262
Total	7,635,217	7,638,882	7,642,549	7,646,217	7,649,887	7,653,559	7,657,233	7,660,908	7,664,586	7,668,265

Customer Type	Demand 2011(AF)	Demand 2012(AF)	Demand 2013(AF)	Demand 2014(AF)	Demand 2015(AF)	Demand 2016(AF)	Demand 2017(AF)	Demand 2018(AF)	Demand 2019(AF)	Demand 2020(AF)
Residential	12,405	12,411	12,417	12,423	12,429	12,435	12,441	12,447	12,453	12,459
Multi-Res.	915	915	916	916	917	917	918	918	918	919
Commercial	1,899	1,900	1,901	1,902	1,903	1,904	1,905	1,905	1,906	1,907
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,211	1,212	1,213	1,213	1,214	1,214	1,215	1,216	1,216	1,217
Other	13	13	13	13	13	13	13	13	13	13
Unaccounted	1,084	1,085	1,085	1,086	1,086	1,087	1,087	1,088	1,088	1,089
Total	17,528	17,537	17,545	17,553	17,562	17,570	17,579	17,587	17,596	17,604

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 10

Scenario #1: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☒ Low ☐ Average ☐ High Demand per Service for each Customer Class.

2020's Projections

Customer Type	Projected Services 2021	Projected Services 2022	Projected Services 2023	Projected Services 2024	Projected Services 2025	Projected Services 2026	Projected Services 2027	Projected Services 2028	Projected Services 2029	Projected Services 2030
Residential	22,787	22,798	22,809	22,820	22,831	22,842	22,853	22,864	22,874	22,885
Multi-Res.	218	218	218	219	219	219	219	219	219	219
Commercial	674	674	675	675	675	675	676	676	676	677
Industrial	0	0	0	0	0	0	0	0	0	0
Government	265	265	265	265	265	265	265	265	266	266
Other	21	21	21	21	21	21	21	21	21	21
Total	23,965	23,976	23,988	23,999	24,011	24,022	24,034	24,045	24,057	24,068

Customer Type	Demand 2021(Ccf)	Demand 2022(Ccf)	Demand 2023(Ccf)	Demand 2024(Ccf)	Demand 2025(Ccf)	Demand 2026(Ccf)	Demand 2027(Ccf)	Demand 2028(Ccf)	Demand 2029(Ccf)	Demand 2030(Ccf)
Residential	5,429,717	5,432,323	5,434,931	5,437,540	5,440,150	5,442,761	5,445,373	5,447,987	5,450,602	5,453,218
Multi-Res.	400,477	400,669	400,861	401,054	401,246	401,439	401,632	401,824	402,017	402,210
Commercial	831,208	831,607	832,006	832,405	832,805	833,204	833,604	834,004	834,405	834,805
Industrial	0	0	0	0	0	0	0	0	0	0
Government	530,235	530,489	530,744	530,999	531,254	531,509	531,764	532,019	532,274	532,530
Other	5,819	5,822	5,825	5,828	5,831	5,833	5,836	5,839	5,842	5,845
Unaccounted	474,490	474,717	474,945	475,173	475,401	475,630	475,858	476,086	476,315	476,543
Total	7,671,945	7,675,628	7,679,312	7,682,998	7,686,686	7,690,376	7,694,067	7,697,760	7,701,455	7,705,152

Customer Type	Demand 2021(AF)	Demand 2022(AF)	Demand 2023(AF)	Demand 2024(AF)	Demand 2025(AF)	Demand 2026(AF)	Demand 2027(AF)	Demand 2028(AF)	Demand 2029(AF)	Demand 2030(AF)
Residential	12,465	12,471	12,477	12,483	12,489	12,495	12,501	12,507	12,513	12,519
Multi-Res.	919	920	920	921	921	922	922	922	923	923
Commercial	1,908	1,909	1,910	1,911	1,912	1,913	1,914	1,915	1,916	1,916
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,217	1,218	1,218	1,219	1,220	1,220	1,221	1,221	1,222	1,223
Other	13	13	13	13	13	13	13	13	13	13
Unaccounted	1,089	1,090	1,090	1,091	1,091	1,092	1,092	1,093	1,093	1,094
Total	17,612	17,621	17,629	17,638	17,646	17,655	17,663	17,672	17,680	17,689

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 10

Scenario #1: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☒ Low ☐ Average ☐ High Demand per Service for each Customer Class.

2030's Projections

Customer Type	Projected Services 2031	Projected Services 2032	Projected Services 2033	Projected Services 2034	Projected Services 2035	Projected Services 2036	Projected Services 2037	Projected Services 2038	Projected Services 2039	Projected Services 2040
Residential	22,896	22,907	22,918	22,929	22,940	22,951	22,962	22,974	22,985	22,996
Multi-Res.	219	219	220	220	220	220	220	220	220	220
Commercial	677	677	678	678	678	679	679	679	680	680
Industrial	0	0	0	0	0	0	0	0	0	0
Government	266	266	266	266	266	266	267	267	267	267
Other	21	21	21	21	21	21	21	21	21	21
Total	24,080	24,091	24,103	24,115	24,126	24,138	24,149	24,161	24,173	24,184

Customer Type	Demand 2031(ccf)	Demand 2032(ccf)	Demand 2033(ccf)	Demand 2034(ccf)	Demand 2035(ccf)	Demand 2036(ccf)	Demand 2037(ccf)	Demand 2038(ccf)	Demand 2039(ccf)	Demand 2040(ccf)
Residential	5,455,836	5,458,455	5,461,075	5,463,696	5,466,319	5,468,943	5,471,568	5,474,194	5,476,822	5,479,450
Multi-Res.	402,403	402,596	402,790	402,983	403,176	403,370	403,564	403,757	403,951	404,145
Commercial	835,206	835,607	836,008	836,409	836,811	837,212	837,614	838,016	838,419	838,821
Industrial	0	0	0	0	0	0	0	0	0	0
Government	532,786	533,041	533,297	533,553	533,809	534,065	534,322	534,578	534,835	535,092
Other	5,847	5,850	5,853	5,856	5,859	5,861	5,864	5,867	5,870	5,873
Unaccounted	476,772	477,001	477,230	477,459	477,688	477,918	478,147	478,376	478,606	478,836
Total	7,708,850	7,712,551	7,716,253	7,719,956	7,723,662	7,727,369	7,731,079	7,734,789	7,738,502	7,742,217

Customer Type	Demand 2031(AF)	Demand 2032(AF)	Demand 2033(AF)	Demand 2034(AF)	Demand 2035(AF)	Demand 2036(AF)	Demand 2037(AF)	Demand 2038(AF)	Demand 2039(AF)	Demand 2040(AF)
Residential	12,525	12,531	12,537	12,543	12,549	12,555	12,561	12,567	12,573	12,579
Multi-Res.	924	924	925	925	926	926	926	927	927	928
Commercial	1,917	1,918	1,919	1,920	1,921	1,922	1,923	1,924	1,925	1,926
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,223	1,224	1,224	1,225	1,225	1,226	1,227	1,227	1,228	1,228
Other	13	13	13	13	13	13	13	13	13	13
Unaccounted	1,095	1,095	1,096	1,096	1,097	1,097	1,098	1,098	1,099	1,099
Total	17,697	17,706	17,714	17,723	17,731	17,740	17,748	17,757	17,765	17,774

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 11

Scenario #2: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☐ Low ☒ Average ☐ High Demand per Service for each Customer Class.

Summary of Historical Growth Rate from Worksheet 2			
Customer Type	5 Yr. Avg. Historical Growth Rate	Individual Growth Rate Selected	Notes
Single Family Residential	-0.206%	0.048%	Overall growth rate used
Multi Family Residential	9.340%	0.048%	Overall growth rate used
Commercial	6.686%	0.048%	Overall growth rate used
Industrial	-32.000%	0.048%	Overall growth rate used
Government	4.698%	0.048%	Overall growth rate used
Other	-1.000%	0.048%	Overall growth rate used
Overall	0.048%	0.048%	

Summary of Average Demand per Service from Worksheets 5 and 6									
Demand/Serv. Units	Residential	Multi-Residential (service)	(unit)	Commercial	Industrial	Government	Total Other	Unaccounted Total Serv.	Combined Demand/Serv.
Gal/Service/Yr	227,048	1,520,006	76,155	955,983	519,352	1,735,424	360,401	19,372	283,009
AF/Service/Yr	0.697	4.665	0.234	2.934	1.594	5.326	1.106	0.059	0.869
Gal/Service/Day	622	4,164	209	2,619	1,423	4,755	987	53	775

California Water Service Company - Palos Verdes District

Worksheet 11

Water Supply and Demand Analysis and Projections

30-year projection Summary

Scenario #2: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☐ Low ☒ Average ☐ High Demand per Service for each Customer Class.

Customer Type	Projected Services 2010	Projected Services 2015	Projected Services 2020	Projected Services 2025	Projected Services 2030	Projected Services 2035	Projected Services 2040	Services projected to be added from 2010 - 2040
Single Family Residential	22,667	22,721	22,776	22,831	22,885	22,940	22,996	329
Multi Family Residential	217	218	218	219	219	220	220	3
Commercial	670	672	674	675	677	678	680	10
Industrial	0	0	0	0	0	0	0	0
Government	263	264	264	265	266	266	267	4
Other	21	21	21	21	21	21	21	0
Total	23,838	23,896	23,953	24,011	24,068	24,126	24,184	346

Customer Type	Projected Demand 2010 (ccf)	Projected Demand 2015 (ccf)	Projected Demand 2020 (ccf)	Projected Demand 2025 (ccf)	Projected Demand 2030 (ccf)	Projected Demand 2035 (ccf)	Projected Demand 2040 (ccf)	Projected demand to be added from 2010 - 2040 (ccf)
Single Family Residential	6,879,793	6,896,321	6,912,888	6,929,495	6,946,141	6,962,828	6,979,555	99,762
Multi Family Residential	441,144	442,203	443,266	444,331	445,398	446,468	447,540	6,397
Commercial	856,643	858,701	860,764	862,831	864,904	866,982	869,065	12,422
Industrial	0	0	0	0	0	0	0	0
Government	610,431	611,897	613,367	614,840	616,317	617,798	619,282	8,852
Other	10,122	10,147	10,171	10,195	10,220	10,244	10,269	147
Unaccounted	617,343	618,826	620,313	621,803	623,297	624,794	626,295	8,952
Total	9,415,476	9,438,095	9,460,768	9,483,495	9,506,278	9,529,115	9,552,006	136,531

Customer Type	Projected Demand 2010 (AF)	Projected Demand 2015 (AF)	Projected Demand 2020 (AF)	Projected Demand 2025 (AF)	Projected Demand 2030 (AF)	Projected Demand 2035 (AF)	Projected Demand 2040 (AF)	Projected demand to be added from 2010 - 2040 (AF)
Single Family Residential	15,794	15,832	15,870	15,908	15,946	15,985	16,023	229
Multi Family Residential	1,013	1,015	1,018	1,020	1,023	1,025	1,027	15
Commercial	1,967	1,971	1,976	1,981	1,986	1,990	1,995	29
Industrial	0	0	0	0	0	0	0	0
Government	1,401	1,405	1,408	1,411	1,415	1,418	1,422	20
Other	23	23	23	23	23	24	24	0
Unaccounted	1,417	1,421	1,424	1,427	1,431	1,434	1,438	21
Total	21,615	21,667	21,719	21,771	21,824	21,876	21,929	313

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 11

Scenario #2: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☐ Low ☒ Average ☐ High Demand per Service for each Customer Class.

2000's Projections

Customer Type	Actual Services 2001	Actual Services 2002	Actual Services 2003	Actual Services 2004	Actual Services 2005	Actual Services 2006	Actual Services 2007	Actual Services 2008	Actual Services 2009	Projected Services 2010
Residential	22,789	22,758	22,850	22,890	22,943	22,952	22,942	22,810	22,656	22,667
Multi-Res.	143	144	143	143	143	143	142	182	217	217
Commercial	491	495	497	491	495	497	497	578	670	670
Industrial	11	12	11	10	10	10	10	4	0	0
Government	206	210	211	210	212	217	218	244	263	263
Other	34	20	24	24	24	20	24	28	21	21
Total	23,674	23,639	23,736	23,768	23,827	23,839	23,833	23,846	23,827	23,838

Customer Type	Demand 2001(Ccf)	Demand 2002(Ccf)	Demand 2003(Ccf)	Demand 2004(Ccf)	Demand 2005(Ccf)	Demand 2006(Ccf)	Demand 2007(Ccf)	Demand 2008(Ccf)	Demand 2009(Ccf)	Demand 2010(Ccf)
Residential	6,916,860	6,907,451	6,935,375	6,947,516	6,963,602	6,966,334	6,963,299	6,923,234	6,876,493	6,879,793
Multi-Res.	290,568	292,600	290,568	290,568	290,568	290,568	288,536	369,814	440,932	441,144
Commercial	627,477	632,589	635,145	627,477	632,589	635,145	635,145	738,660	856,232	856,643
Industrial	7,637	8,331	7,637	6,943	6,943	6,943	6,943	2,777	0	0
Government	477,903	487,182	489,502	487,182	491,822	503,422	505,742	566,059	610,138	610,431
Other	16,381	9,636	11,563	11,563	11,563	9,636	11,563	13,490	10,117	10,122
Unaccounted	613,085	612,178	614,690	615,519	617,047	617,358	617,202	617,539	617,047	617,343
Total	8,949,911	8,949,968	8,984,480	8,986,768	9,014,134	9,029,405	9,028,429	9,231,573	9,410,958	9,415,476

Customer Type	Demand 2001(AF)	Demand 2002(AF)	Demand 2003(AF)	Demand 2004(AF)	Demand 2005(AF)	Demand 2006(AF)	Demand 2007(AF)	Demand 2008(AF)	Demand 2009(AF)	Demand 2010(AF)
Residential	15,879	15,857	15,922	15,949	15,986	15,993	15,986	15,894	15,786	15,794
Multi-Res.	667	672	667	667	667	667	662	849	1,012	1,013
Commercial	1,440	1,452	1,458	1,440	1,452	1,458	1,458	1,696	1,966	1,967
Industrial	18	19	18	16	16	16	16	6	0	0
Government	1,097	1,118	1,124	1,118	1,129	1,156	1,161	1,300	1,401	1,401
Other	38	22	27	27	27	22	27	31	23	23
Unaccounted	1,407	1,405	1,411	1,413	1,417	1,417	1,417	1,418	1,417	1,417
Total	20,546	20,546	20,626	20,631	20,694	20,729	20,727	21,193	21,605	21,615

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 11

2010's Projections

Scenario #2: Based on Maintaining Growth at the

☐ 10-Year
☒ 5-Year

Average Annual Growth and

☐ Low☒ Average☐ High

Demand per Service for each Customer Class.

Customer Type	Projected Services 2011	Projected Services 2012	Projected Services 2013	Projected Services 2014	Projected Services 2015	Projected Services 2016	Projected Services 2017	Projected Services 2018	Projected Services 2019	Projected Services 2020
Residential	22,678	22,689	22,700	22,710	22,721	22,732	22,743	22,754	22,765	22,776
Multi-Res.	217	217	217	218	218	218	218	218	218	218
Commercial	671	671	671	672	672	672	673	673	673	674
Industrial	0	0	0	0	0	0	0	0	0	0
Government	263	263	264	264	264	264	264	264	264	264
Other	21	21	21	21	21	21	21	21	21	21
Total	23,850	23,861	23,873	23,884	23,896	23,907	23,919	23,930	23,942	23,953

Customer Type	Demand 2011(Ccf)	Demand 2012(Ccf)	Demand 2013(Ccf)	Demand 2014(Ccf)	Demand 2015(Ccf)	Demand 2016(Ccf)	Demand 2017(Ccf)	Demand 2018(Ccf)	Demand 2019(Ccf)	Demand 2020(Ccf)
Residential	6,883,096	6,886,399	6,889,705	6,893,012	6,896,321	6,899,631	6,902,943	6,906,256	6,909,571	6,912,888
Multi-Res.	441,355	441,567	441,779	441,991	442,203	442,416	442,628	442,840	443,053	443,266
Commercial	857,054	857,465	857,877	858,289	858,701	859,113	859,525	859,938	860,351	860,764
Industrial	0	0	0	0	0	0	0	0	0	0
Government	610,724	611,017	611,310	611,603	611,897	612,191	612,485	612,779	613,073	613,367
Other	10,127	10,132	10,137	10,142	10,147	10,152	10,156	10,161	10,166	10,171
Unaccounted	617,640	617,936	618,233	618,529	618,826	619,123	619,420	619,718	620,015	620,313
Total	9,419,995	9,424,517	9,429,040	9,433,566	9,438,095	9,442,625	9,447,157	9,451,692	9,456,229	9,460,768

Customer Type	Demand 2011(AF)	Demand 2012(AF)	Demand 2013(AF)	Demand 2014(AF)	Demand 2015(AF)	Demand 2016(AF)	Demand 2017(AF)	Demand 2018(AF)	Demand 2019(AF)	Demand 2020(AF)
Residential	15,802	15,809	15,817	15,824	15,832	15,839	15,847	15,855	15,862	15,870
Multi-Res.	1,013	1,014	1,014	1,015	1,015	1,016	1,016	1,017	1,017	1,018
Commercial	1,968	1,968	1,969	1,970	1,971	1,972	1,973	1,974	1,975	1,976
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,402	1,403	1,403	1,404	1,405	1,405	1,406	1,407	1,407	1,408
Other	23	23	23	23	23	23	23	23	23	23
Unaccounted	1,418	1,419	1,419	1,420	1,421	1,421	1,422	1,423	1,423	1,424
Total	21,625	21,636	21,646	21,657	21,667	21,677	21,688	21,698	21,709	21,719

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 11

Scenario #2: Based on Maintaining Growth at the ☐ 10-Year Average Annual Growth and ☐ Low Demand per Service for each Customer Class.
☒ 5-Year ☒ Average ☐ High

2020's Projections

Customer Type	Projected Services 2021	Projected Services 2022	Projected Services 2023	Projected Services 2024	Projected Services 2025	Projected Services 2026	Projected Services 2027	Projected Services 2028	Projected Services 2029	Projected Services 2030
Residential	22,787	22,798	22,809	22,820	22,831	22,842	22,853	22,864	22,874	22,885
Multi-Res.	218	218	218	219	219	219	219	219	219	219
Commercial	674	674	675	675	675	675	676	676	676	677
Industrial	0	0	0	0	0	0	0	0	0	0
Government	265	265	265	265	265	265	265	265	266	266
Other	21	21	21	21	21	21	21	21	21	21
Total	23,965	23,976	23,988	23,999	24,011	24,022	24,034	24,045	24,057	24,068

Customer Type	Demand 2021(Ccf)	Demand 2022(Ccf)	Demand 2023(Ccf)	Demand 2024(Ccf)	Demand 2025(Ccf)	Demand 2026(Ccf)	Demand 2027(Ccf)	Demand 2028(Ccf)	Demand 2029(Ccf)	Demand 2030(Ccf)
Residential	6,916,206	6,919,526	6,922,847	6,926,170	6,929,495	6,932,821	6,936,148	6,939,478	6,942,809	6,946,141
Multi-Res.	443,478	443,691	443,904	444,117	444,331	444,544	444,757	444,971	445,184	445,398
Commercial	861,177	861,590	862,004	862,417	862,831	863,246	863,660	864,074	864,489	864,904
Industrial	0	0	0	0	0	0	0	0	0	0
Government	613,661	613,956	614,251	614,545	614,840	615,136	615,431	615,726	616,022	616,317
Other	10,176	10,181	10,186	10,191	10,195	10,200	10,205	10,210	10,215	10,220
Unaccounted	620,611	620,909	621,207	621,505	621,803	622,102	622,400	622,699	622,998	623,297
Total	9,465,309	9,469,852	9,474,398	9,478,945	9,483,495	9,488,047	9,492,602	9,497,158	9,501,717	9,506,278

Customer Type	Demand 2021(AF)	Demand 2022(AF)	Demand 2023(AF)	Demand 2024(AF)	Demand 2025(AF)	Demand 2026(AF)	Demand 2027(AF)	Demand 2028(AF)	Demand 2029(AF)	Demand 2030(AF)
Residential	15,878	15,885	15,893	15,900	15,908	15,916	15,923	15,931	15,939	15,946
Multi-Res.	1,018	1,019	1,019	1,020	1,020	1,021	1,021	1,022	1,022	1,023
Commercial	1,977	1,978	1,979	1,980	1,981	1,982	1,983	1,984	1,985	1,986
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,409	1,409	1,410	1,411	1,411	1,412	1,413	1,414	1,414	1,415
Other	23	23	23	23	23	23	23	23	23	23
Unaccounted	1,425	1,425	1,426	1,427	1,427	1,428	1,429	1,430	1,430	1,431
Total	21,730	21,740	21,750	21,761	21,771	21,782	21,792	21,803	21,813	21,824

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 11

Scenario #2: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☐ Low ☒ Average ☐ High Demand per Service for each Customer Class.

Customer Type	Projected Services 2031	Projected Services 2032	Projected Services 2033	Projected Services 2034	Projected Services 2035	Projected Services 2036	Projected Services 2037	Projected Services 2038	Projected Services 2039	Projected Services 2040
Residential	22,896	22,907	22,918	22,929	22,940	22,951	22,962	22,974	22,985	22,996
Multi-Res.	219	219	220	220	220	220	220	220	220	220
Commercial	677	677	678	678	678	679	679	679	680	680
Industrial	0	0	0	0	0	0	0	0	0	0
Government	266	266	266	266	266	266	267	267	267	267
Other	21	21	21	21	21	21	21	21	21	21
Total	24,080	24,091	24,103	24,115	24,126	24,138	24,149	24,161	24,173	24,184

Customer Type	Demand 2031(ccf)	Demand 2032(ccf)	Demand 2033(ccf)	Demand 2034(ccf)	Demand 2035(ccf)	Demand 2036(ccf)	Demand 2037(ccf)	Demand 2038(ccf)	Demand 2039(ccf)	Demand 2040(ccf)
Residential	6,949,475	6,952,811	6,956,149	6,959,488	6,962,828	6,966,170	6,969,514	6,972,859	6,976,206	6,979,555
Multi-Res.	445,612	445,826	446,040	446,254	446,468	446,682	446,897	447,111	447,326	447,540
Commercial	865,319	865,735	866,150	866,566	866,982	867,398	867,814	868,231	868,648	869,065
Industrial	0	0	0	0	0	0	0	0	0	0
Government	616,613	616,909	617,205	617,502	617,798	618,095	618,391	618,688	618,985	619,282
Other	10,225	10,230	10,235	10,240	10,244	10,249	10,254	10,259	10,264	10,269
Unaccounted	623,596	623,895	624,195	624,494	624,794	625,094	625,394	625,694	625,995	626,295
Total	9,510,841	9,515,406	9,519,973	9,524,543	9,529,115	9,533,689	9,538,265	9,542,843	9,547,424	9,552,006

Customer Type	Demand 2031(AF)	Demand 2032(AF)	Demand 2033(AF)	Demand 2034(AF)	Demand 2035(AF)	Demand 2036(AF)	Demand 2037(AF)	Demand 2038(AF)	Demand 2039(AF)	Demand 2040(AF)
Residential	15,954	15,962	15,969	15,977	15,985	15,992	16,000	16,008	16,015	16,023
Multi-Res.	1,023	1,023	1,024	1,024	1,025	1,025	1,026	1,026	1,027	1,027
Commercial	1,987	1,987	1,988	1,989	1,990	1,991	1,992	1,993	1,994	1,995
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,416	1,416	1,417	1,418	1,418	1,419	1,420	1,420	1,421	1,422
Other	23	23	23	24	24	24	24	24	24	24
Unaccounted	1,432	1,432	1,433	1,434	1,434	1,435	1,436	1,436	1,437	1,438
Total	21,834	21,845	21,855	21,865	21,876	21,886	21,897	21,908	21,918	21,929

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 12

Scenario #3: Based on Maintaining Growth at the ☐ 10-Year Average Annual Growth and ☐ Low Demand per Service for each Customer Class.
☒ 5-Year ☐ Average ☒ High

Summary of Historical Growth Rate from Worksheet 2			
Customer Type	5 Yr. Avg. Historical Growth Rate	Individual Growth Rate Selected	Notes
Single Family Residential	-0.206%	0.048%	Overall growth rate used
Multi Family Residential	9.340%	0.048%	Overall growth rate used
Commercial	6.686%	0.048%	Overall growth rate used
Industrial	-32.000%	0.048%	Overall growth rate used
Government	4.698%	0.048%	Overall growth rate used
Other	-1.000%	0.048%	Overall growth rate used
Overall	0.048%	0.048%	

Summary of Maximum Demand per Service from Worksheets 5 and 6									
Demand/Serv. Units	Residential	Multi-Residential		Commercial	Industrial	Government	Total Other	Unaccounted Total Serv.	Combined Demand/Serv.
		(service)	(unit)						
Gal/Service/Yr	266,879	1,602,343	83,087	1,518,208	2,039,813	2,925,577	4,159,685	26,094	316,533
AF/Service/Yr	0.819	4.917	0.255	4.659	6.260	8.978	12.766	0.080	0.971
Gal/Service/Day	731	4,390	228	4,159	5,589	8,015	11,396	71	867

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 12

30-year projection Summary

Scenario #3: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☐ Low ☐ Average ☒ High Demand per Service for each Customer Class.

Customer Type	Projected Services 2010	Projected Services 2015	Projected Services 2020	Projected Services 2025	Projected Services 2030	Projected Services 2035	Projected Services 2040	Services projected to be added from 2010 - 2040
Single Family Residential	22,667	22,721	22,776	22,831	22,885	22,940	22,996	329
Multi Family Residential	217	218	218	219	219	220	220	3
Commercial	670	672	674	675	677	678	680	10
Industrial	0	0	0	0	0	0	0	0
Government	263	264	264	265	266	266	267	4
Other	21	21	21	21	21	21	21	0
Total	23,838	23,896	23,953	24,011	24,068	24,126	24,184	346

Customer Type	Projected Demand 2010 (ccf)	Projected Demand 2015 (ccf)	Projected Demand 2020 (ccf)	Projected Demand 2025 (ccf)	Projected Demand 2030 (ccf)	Projected Demand 2035 (ccf)	Projected Demand 2040 (ccf)	Projected demand to be added from 2010 - 2040 (ccf)
Single Family Residential	8,086,736	8,106,162	8,125,636	8,145,156	8,164,723	8,184,338	8,203,999	117,263
Multi Family Residential	465,040	466,157	467,277	468,399	469,524	470,652	471,783	6,743
Commercial	1,360,445	1,363,713	1,366,989	1,370,273	1,373,565	1,376,865	1,380,173	19,727
Industrial	0	0	0	0	0	0	0	0
Government	1,029,063	1,031,536	1,034,014	1,036,498	1,038,988	1,041,484	1,043,986	14,922
Other	116,830	117,111	117,392	117,674	117,957	118,240	118,524	1,694
Unaccounted	831,541	833,539	835,542	837,549	839,561	841,578	843,599	12,058
Total	11,889,655	11,918,218	11,946,849	11,975,549	12,004,318	12,033,156	12,062,063	172,408

Customer Type	Projected Demand 2010 (AF)	Projected Demand 2015 (AF)	Projected Demand 2020 (AF)	Projected Demand 2025 (AF)	Projected Demand 2030 (AF)	Projected Demand 2035 (AF)	Projected Demand 2040 (AF)	Projected demand to be added from 2010 - 2040 (AF)
Single Family Residential	18,565	18,609	18,654	18,699	18,744	18,789	18,834	269
Multi Family Residential	1,068	1,070	1,073	1,075	1,078	1,080	1,083	15
Commercial	3,123	3,131	3,138	3,146	3,153	3,161	3,168	45
Industrial	0	0	0	0	0	0	0	0
Government	2,362	2,368	2,374	2,379	2,385	2,391	2,397	34
Other	268	269	269	270	271	271	272	4
Unaccounted	1,909	1,914	1,918	1,923	1,927	1,932	1,937	28
Total	27,295	27,361	27,426	27,492	27,558	27,625	27,691	396
	25,386	25,447	25,508	25,570	25,631	25,693	25,754	

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

2000's Projections

Worksheet 12

Scenario #3: Based on Maintaining Growth at the

☐ 10-Year
☒ 5-Year

Average Annual Growth and

☐ Low☐ Average☒ High

Demand per Service for each Customer Class.

Customer Type	Actual Services 2001	Actual Services 2002	Actual Services 2003	Actual Services 2004	Actual Services 2005	Actual Services 2006	Actual Services 2007	Actual Services 2008	Actual Services 2009	Projected Services 2010
Residential	22,789	22,758	22,850	22,890	22,943	22,952	22,942	22,810	22,656	22,667
Multi-Res.	143	144	143	143	143	143	142	182	217	217
Commercial	491	495	497	491	495	497	497	578	670	670
Industrial	11	12	11	10	10	10	10	4	0	0
Government	206	210	211	210	212	217	218	244	263	263
Other	34	20	24	24	24	20	24	28	21	21
Total	23,674	23,639	23,736	23,768	23,827	23,839	23,833	23,846	23,827	23,838

Customer Type	Demand 2001(Ccf)	Demand 2002(Ccf)	Demand 2003(Ccf)	Demand 2004(Ccf)	Demand 2005(Ccf)	Demand 2006(Ccf)	Demand 2007(Ccf)	Demand 2008(Ccf)	Demand 2009(Ccf)	Demand 2010(Ccf)
Residential	8,130,306	8,119,246	8,152,068	8,166,339	8,185,247	8,188,458	8,184,891	8,137,798	8,082,856	8,086,736
Multi-Res.	306,308	308,450	306,308	306,308	306,308	306,308	304,166	389,846	464,816	465,040
Commercial	996,505	1,004,623	1,008,682	996,505	1,004,623	1,008,682	1,008,682	1,173,075	1,359,792	1,360,445
Industrial	29,995	32,722	29,995	27,268	27,268	27,268	27,268	10,907	0	0
Government	805,648	821,291	825,202	821,291	829,113	848,668	852,579	954,262	1,028,570	1,029,063
Other	189,063	111,213	133,456	133,456	133,456	111,213	133,456	155,699	116,774	116,830
Unaccounted	825,806	824,585	827,968	829,084	831,143	831,561	831,352	831,805	831,143	831,541
Total	11,283,629	11,222,130	11,283,679	11,280,251	11,317,158	11,322,158	11,342,393	11,653,392	11,883,951	11,889,655

Customer Type	Demand 2001(AF)	Demand 2002(AF)	Demand 2003(AF)	Demand 2004(AF)	Demand 2005(AF)	Demand 2006(AF)	Demand 2007(AF)	Demand 2008(AF)	Demand 2009(AF)	Demand 2010(AF)
Residential	18,665	18,639	18,715	18,747	18,791	18,798	18,790	18,682	18,556	18,565
Multi-Res.	703	708	703	703	703	703	698	895	1,067	1,068
Commercial	2,288	2,306	2,316	2,288	2,306	2,316	2,316	2,693	3,122	3,123
Industrial	69	75	69	63	63	63	63	25	0	0
Government	1,850	1,885	1,894	1,885	1,903	1,948	1,957	2,191	2,361	2,362
Other	434	255	306	306	306	255	306	357	268	268
Unaccounted	1,896	1,893	1,901	1,903	1,908	1,909	1,909	1,910	1,908	1,909
Total	25,904	25,763	25,904	25,896	25,981	25,992	26,039	26,753	27,282	27,295

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 12

Scenario #3: Based on Maintaining Growth at the

☐ 10-Year
☒ 5-Year

Average Annual Growth and

☐ Low
☐ Average
☒ High

2010's Projections

Demand per Service for each Customer Class.

Customer Type	Projected Services 2011	Projected Services 2012	Projected Services 2013	Projected Services 2014	Projected Services 2015	Projected Services 2016	Projected Services 2017	Projected Services 2018	Projected Services 2019	Projected Services 2020
Residential	22,678	22,689	22,700	22,710	22,721	22,732	22,743	22,754	22,765	22,776
Multi-Res.	217	217	217	218	218	218	218	218	218	218
Commercial	671	671	671	672	672	672	673	673	673	674
Industrial	0	0	0	0	0	0	0	0	0	0
Government	263	263	264	264	264	264	264	264	264	264
Other	21	21	21	21	21	21	21	21	21	21
Total	23,850	23,861	23,873	23,884	23,896	23,907	23,919	23,930	23,942	23,953

Customer Type	Demand 2011(Ccf)	Demand 2012(Ccf)	Demand 2013(Ccf)	Demand 2014(Ccf)	Demand 2015(Ccf)	Demand 2016(Ccf)	Demand 2017(Ccf)	Demand 2018(Ccf)	Demand 2019(Ccf)	Demand 2020(Ccf)
Residential	8,090,617	8,094,501	8,098,386	8,102,273	8,106,162	8,110,053	8,113,946	8,117,841	8,121,738	8,125,636
Multi-Res.	465,263	465,486	465,710	465,933	466,157	466,381	466,604	466,828	467,052	467,277
Commercial	1,361,098	1,361,752	1,362,405	1,363,059	1,363,713	1,364,368	1,365,023	1,365,678	1,366,334	1,366,989
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,029,557	1,030,052	1,030,546	1,031,041	1,031,536	1,032,031	1,032,526	1,033,022	1,033,518	1,034,014
Other	116,886	116,942	116,998	117,055	117,111	117,167	117,223	117,279	117,336	117,392
Unaccounted	831,941	832,340	832,739	833,139	833,539	833,939	834,339	834,740	835,141	835,542
Total	11,895,362	11,901,072	11,906,785	11,912,500	11,918,218	11,923,939	11,929,662	11,935,388	11,941,117	11,946,849

Customer Type	Demand 2011(AF)	Demand 2012(AF)	Demand 2013(AF)	Demand 2014(AF)	Demand 2015(AF)	Demand 2016(AF)	Demand 2017(AF)	Demand 2018(AF)	Demand 2019(AF)	Demand 2020(AF)
Residential	18,574	18,583	18,591	18,600	18,609	18,618	18,627	18,636	18,645	18,654
Multi-Res.	1,068	1,069	1,069	1,070	1,070	1,071	1,071	1,072	1,072	1,073
Commercial	3,125	3,126	3,128	3,129	3,131	3,132	3,134	3,135	3,137	3,138
Industrial	0	0	0	0	0	0	0	0	0	0
Government	2,364	2,365	2,366	2,367	2,368	2,369	2,370	2,372	2,373	2,374
Other	268	268	269	269	269	269	269	269	269	269
Unaccounted	1,910	1,911	1,912	1,913	1,914	1,914	1,915	1,916	1,917	1,918
Total	27,308	27,321	27,334	27,348	27,361	27,374	27,387	27,400	27,413	27,426

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 12

Scenario #3: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☐ Low ☐ Average ☒ High Demand per Service for each Customer Class.

Customer Type	Projected Services 2021	Projected Services 2022	Projected Services 2023	Projected Services 2024	Projected Services 2025	Projected Services 2026	Projected Services 2027	Projected Services 2028	Projected Services 2029	Projected Services 2030
Residential	22,787	22,798	22,809	22,820	22,831	22,842	22,853	22,864	22,874	22,885
Multi-Res.	218	218	218	219	219	219	219	219	219	219
Commercial	674	674	675	675	675	675	676	676	676	677
Industrial	0	0	0	0	0	0	0	0	0	0
Government	265	265	265	265	265	265	265	265	266	266
Other	21	21	21	21	21	21	21	21	21	21
Total	23,965	23,976	23,988	23,999	24,011	24,022	24,034	24,045	24,057	24,068

Customer Type	Demand 2021(Ccf)	Demand 2022(Ccf)	Demand 2023(Ccf)	Demand 2024(Ccf)	Demand 2025(Ccf)	Demand 2026(Ccf)	Demand 2027(Ccf)	Demand 2028(Ccf)	Demand 2029(Ccf)	Demand 2030(Ccf)
Residential	8,129,536	8,133,438	8,137,342	8,141,248	8,145,156	8,149,066	8,152,977	8,156,891	8,160,806	8,164,723
Multi-Res.	467,501	467,725	467,950	468,174	468,399	468,624	468,849	469,074	469,299	469,524
Commercial	1,367,646	1,368,302	1,368,959	1,369,616	1,370,273	1,370,931	1,371,589	1,372,247	1,372,906	1,373,565
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,034,510	1,035,007	1,035,503	1,036,000	1,036,498	1,036,995	1,037,493	1,037,991	1,038,489	1,038,988
Other	117,448	117,505	117,561	117,618	117,674	117,731	117,787	117,844	117,900	117,957
Unaccounted	835,943	836,344	836,745	837,147	837,549	837,951	838,353	838,755	839,158	839,561
Total	11,952,584	11,958,321	11,964,061	11,969,804	11,975,549	11,981,297	11,987,048	11,992,802	11,998,559	12,004,318

Customer Type	Demand 2021(AF)	Demand 2022(AF)	Demand 2023(AF)	Demand 2024(AF)	Demand 2025(AF)	Demand 2026(AF)	Demand 2027(AF)	Demand 2028(AF)	Demand 2029(AF)	Demand 2030(AF)
Residential	18,663	18,672	18,681	18,690	18,699	18,708	18,717	18,726	18,735	18,744
Multi-Res.	1,073	1,074	1,074	1,075	1,075	1,076	1,076	1,077	1,077	1,078
Commercial	3,140	3,141	3,143	3,144	3,146	3,147	3,149	3,150	3,152	3,153
Industrial	0	0	0	0	0	0	0	0	0	0
Government	2,375	2,376	2,377	2,378	2,379	2,381	2,382	2,383	2,384	2,385
Other	270	270	270	270	270	270	270	271	271	271
Unaccounted	1,919	1,920	1,921	1,922	1,923	1,924	1,925	1,926	1,926	1,927
Total	27,440	27,453	27,466	27,479	27,492	27,505	27,519	27,532	27,545	27,558

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 12

Scenario #3: Based on Maintaining Growth at the ☐ 10-Year ☒ 5-Year Average Annual Growth and ☐ Low ☐ Average ☒ High Demand per Service for each Customer Class.

Customer Type	Projected Services 2031	Projected Services 2032	Projected Services 2033	Projected Services 2034	Projected Services 2035	Projected Services 2036	Projected Services 2037	Projected Services 2038	Projected Services 2039	Projected Services 2040
Residential	22,896	22,907	22,918	22,929	22,940	22,951	22,962	22,974	22,985	22,996
Multi-Res.	219	219	220	220	220	220	220	220	220	220
Commercial	677	677	678	678	678	679	679	679	680	680
Industrial	0	0	0	0	0	0	0	0	0	0
Government	266	266	266	266	266	266	267	267	267	267
Other	21	21	21	21	21	21	21	21	21	21
Total	24,080	24,091	24,103	24,115	24,126	24,138	24,149	24,161	24,173	24,184

Customer Type	Demand 2031(ccf)	Demand 2032(ccf)	Demand 2033(ccf)	Demand 2034(ccf)	Demand 2035(ccf)	Demand 2036(ccf)	Demand 2037(ccf)	Demand 2038(ccf)	Demand 2039(ccf)	Demand 2040(ccf)
Residential	8,168,642	8,172,563	8,176,486	8,180,411	8,184,338	8,188,266	8,192,196	8,196,129	8,200,063	8,203,999
Multi-Res.	469,750	469,975	470,201	470,427	470,652	470,878	471,104	471,330	471,557	471,783
Commercial	1,374,224	1,374,884	1,375,544	1,376,204	1,376,865	1,377,526	1,378,187	1,378,849	1,379,510	1,380,173
Industrial	0	0	0	0	0	0	0	0	0	0
Government	1,039,486	1,039,985	1,040,484	1,040,984	1,041,484	1,041,983	1,042,484	1,042,984	1,043,485	1,043,986
Other	118,013	118,070	118,127	118,183	118,240	118,297	118,354	118,410	118,467	118,524
Unaccounted	839,964	840,367	840,770	841,174	841,578	841,982	842,386	842,790	843,195	843,599
Total	12,010,080	12,015,845	12,021,613	12,027,383	12,033,156	12,038,932	12,044,711	12,050,492	12,056,276	12,062,063

Customer Type	Demand 2031(AF)	Demand 2032(AF)	Demand 2033(AF)	Demand 2034(AF)	Demand 2035(AF)	Demand 2036(AF)	Demand 2037(AF)	Demand 2038(AF)	Demand 2039(AF)	Demand 2040(AF)
Residential	18,753	18,762	18,771	18,780	18,789	18,798	18,807	18,816	18,825	18,834
Multi-Res.	1,078	1,079	1,079	1,080	1,080	1,081	1,082	1,082	1,083	1,083
Commercial	3,155	3,156	3,158	3,159	3,161	3,162	3,164	3,165	3,167	3,168
Industrial	0	0	0	0	0	0	0	0	0	0
Government	2,386	2,387	2,389	2,390	2,391	2,392	2,393	2,394	2,396	2,397
Other	271	271	271	271	271	272	272	272	272	272
Unaccounted	1,928	1,929	1,930	1,931	1,932	1,933	1,934	1,935	1,936	1,937
Total	27,572	27,585	27,598	27,611	27,625	27,638	27,651	27,664	27,678	27,691

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 13

Scenario #4: Based on Maintaining Growth at the ☒ 10-Year ☐ 5-Year Average Annual Growth and ☐ Low ☒ Average ☐ High Demand per Service for each Customer Class.

Summary of Historical Growth Rate from Worksheet 2			
Customer Type	10 Yr. Avg. Historical Growth Rate	Individual Growth Rate Selected	Notes
Single Family Residential	-0.003%	0.123%	Overall growth rate used
Multi Family Residential	4.331%	0.123%	Overall growth rate used
Commercial	3.571%	0.123%	Overall growth rate used
Industrial	-17.666%	0.123%	Overall growth rate used
Government	2.791%	0.123%	Overall growth rate used
Other	-0.397%	0.123%	Overall growth rate used
Overall	0.123%	0.123%	

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 13

30-year projection Summary

Scenario #4: Based on Maintaining Growth at the ☒ 10-Year ☐ 5-Year Average Annual Growth

Customer Type	Projected Services 2010	Projected Services 2015	Projected Services 2020	Projected Services 2025	Projected Services 2030	Projected Services 2035	Projected Services 2040	Services projected to be added from 2010 - 2040
Single Family Residential	22,684	22,824	22,964	23,106	23,248	23,392	23,536	852
Multi Family Residential	217	219	220	221	223	224	225	8
Commercial	671	675	679	683	688	692	696	25
Industrial	0	0	0	0	0	0	0	0
Government	263	265	267	268	270	272	273	10
Other	21	21	21	21	22	22	22	1
Total	23,856	24,003	24,151	24,300	24,450	24,601	24,752	896

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 13

2000's Projections

Scenario #4: Based on Maintaining Growth at the ☒ 10-Year ☐ 5-Year Average Annual Growth

Customer Type	Actual Services 2001	Actual Services 2002	Actual Services 2003	Actual Services 2004	Actual Services 2005	Actual Services 2006	Actual Services 2007	Actual Services 2008	Actual Services 2009	Projected Services 2010
Residential	22,789	22,758	22,850	22,890	22,943	22,952	22,942	22,810	22,656	22,684
Multi-Res.	143	144	143	143	143	143	142	182	217	217
Commercial	491	495	497	491	495	497	497	578	670	671
Industrial	11	12	11	10	10	10	10	4	0	0
Government	206	210	211	210	212	217	218	244	263	263
Other	34	20	24	24	24	20	24	28	21	21
Total	23,674	23,639	23,736	23,768	23,827	23,839	23,833	23,846	23,827	23,856

2010's Projections

Customer Type	Projected Services 2011	Projected Services 2012	Projected Services 2013	Projected Services 2014	Projected Services 2015	Projected Services 2016	Projected Services 2017	Projected Services 2018	Projected Services 2019	Projected Services 2020
Residential	22,712	22,740	22,768	22,796	22,824	22,852	22,880	22,908	22,936	22,964
Multi-Res.	218	218	218	218	219	219	219	219	220	220
Commercial	672	672	673	674	675	676	677	677	678	679
Industrial	0	0	0	0	0	0	0	0	0	0
Government	264	264	264	265	265	265	266	266	266	267
Other	21	21	21	21	21	21	21	21	21	21
Total	23,886	23,915	23,944	23,974	24,003	24,033	24,062	24,092	24,122	24,151

California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 13

2020's Projections

Scenario #4: Based on Maintaining Growth at the ☒ 10-Year ☐ 5-Year Average Annual Growth

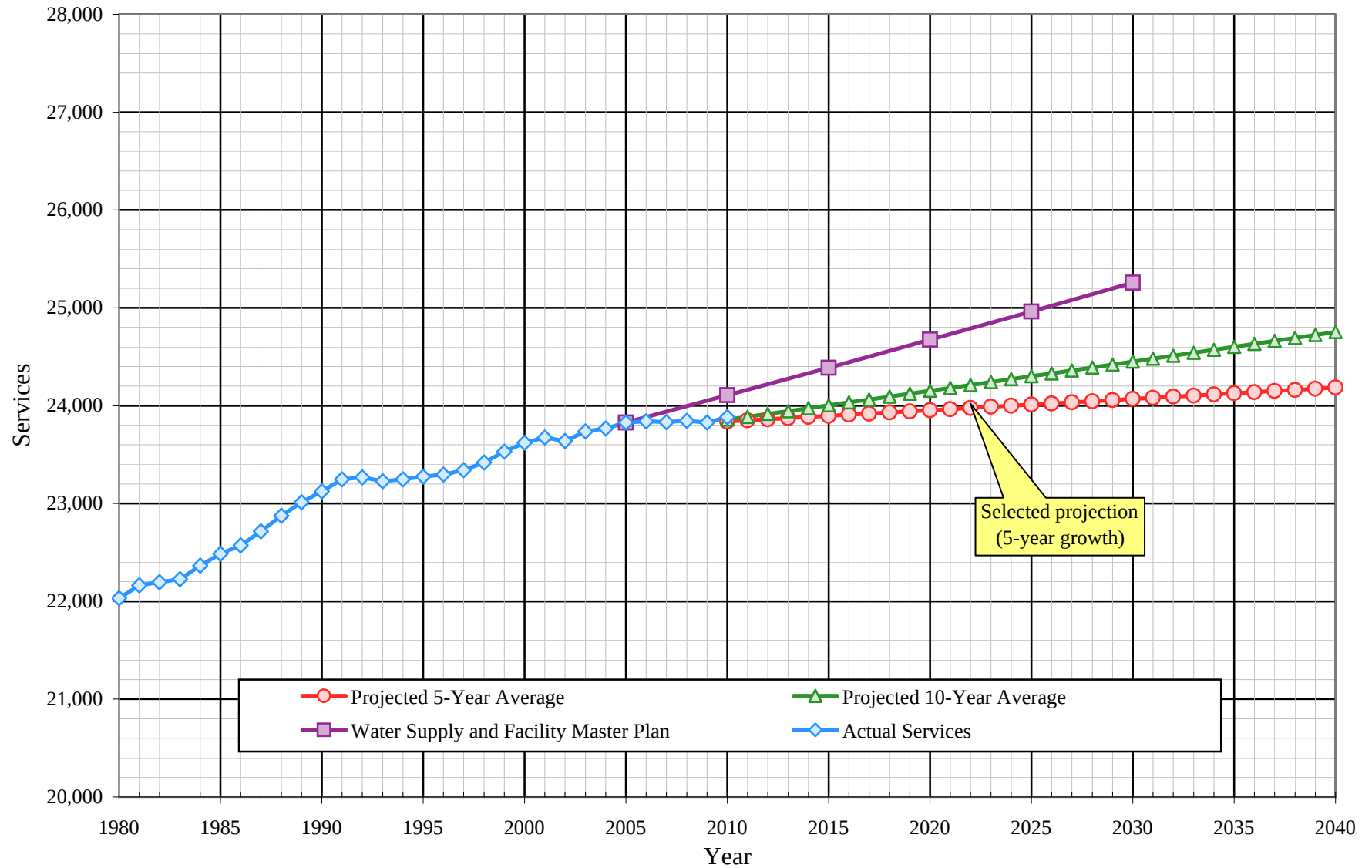
Customer Type	Projected Services 2021	Projected Services 2022	Projected Services 2023	Projected Services 2024	Projected Services 2025	Projected Services 2026	Projected Services 2027	Projected Services 2028	Projected Services 2029	Projected Services 2030
Residential	22,993	23,021	23,049	23,078	23,106	23,134	23,163	23,191	23,220	23,248
Multi-Res.	220	220	221	221	221	222	222	222	222	223
Commercial	680	681	682	682	683	684	685	686	687	688
Industrial	0	0	0	0	0	0	0	0	0	0
Government	267	267	268	268	268	269	269	269	270	270
Other	21	21	21	21	21	21	21	21	22	22
Total	24,181	24,211	24,241	24,270	24,300	24,330	24,360	24,390	24,420	24,450

2030's Projections

Customer Type	Projected Services 2031	Projected Services 2032	Projected Services 2033	Projected Services 2034	Projected Services 2035	Projected Services 2036	Projected Services 2037	Projected Services 2038	Projected Services 2039	Projected Services 2040
Residential	23,277	23,306	23,334	23,363	23,392	23,421	23,449	23,478	23,507	23,536
Multi-Res.	223	223	223	224	224	224	225	225	225	225
Commercial	688	689	690	691	692	693	693	694	695	696
Industrial	0	0	0	0	0	0	0	0	0	0
Government	270	271	271	271	272	272	272	273	273	273
Other	22	22	22	22	22	22	22	22	22	22
Total	24,480	24,510	24,540	24,571	24,601	24,631	24,661	24,692	24,722	24,752

Palos Verdes District

Historical & Projected Services



California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Projected Annual Average Services

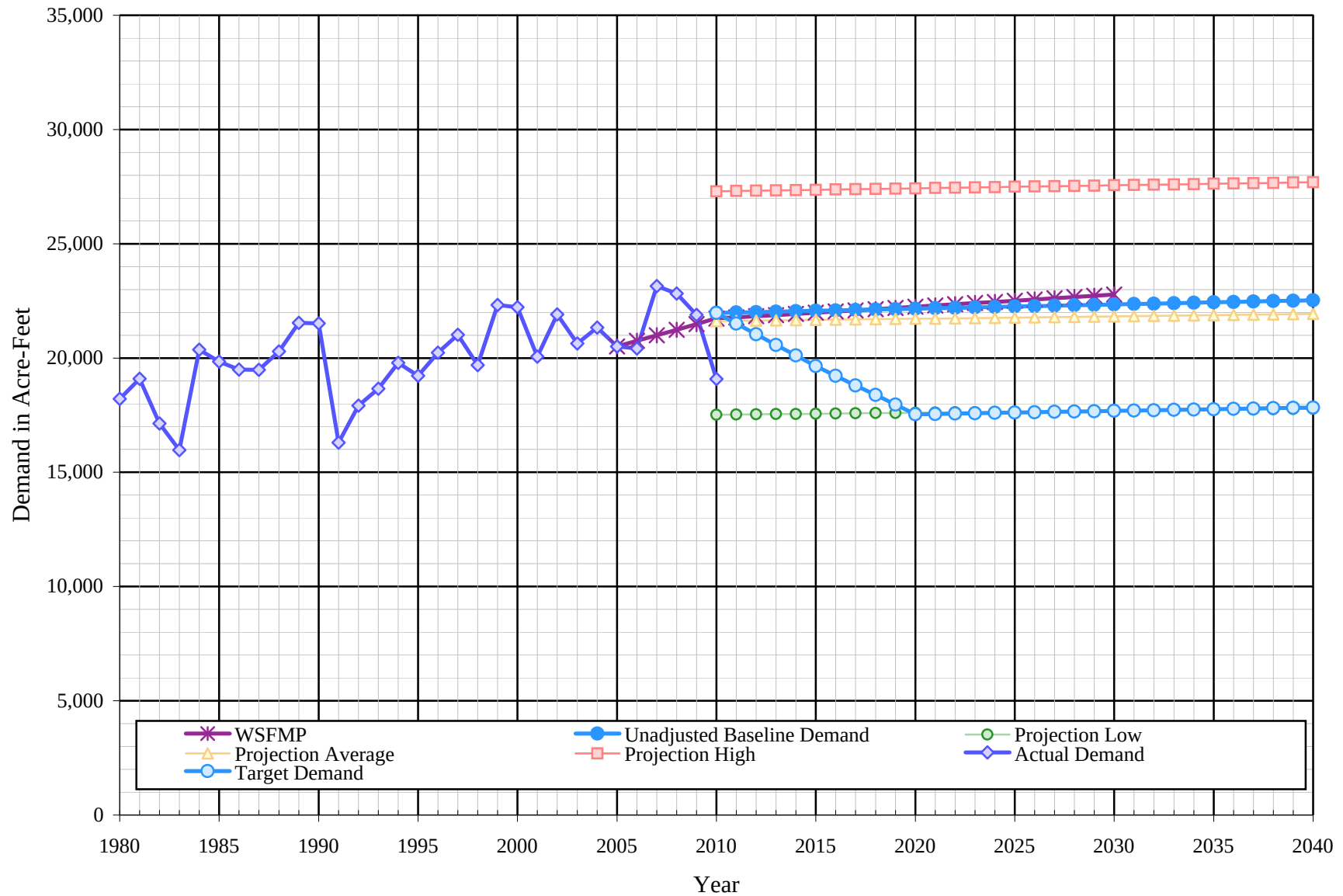
Worksheet 15

Year	Actual Services	Projected Services	
		5-Year Average	10-Year Average
1980	22,032		
1981	22,164		
1982	22,195		
1983	22,226		
1984	22,364		
1985	22,486		
1986	22,571		
1987	22,715		
1988	22,873		
1989	23,012		
1990	23,124		
1991	23,248		
1992	23,268		
1993	23,228		
1994	23,248		
1995	23,275		
1996	23,295		
1997	23,341		
1998	23,418		
1999	23,531		
2000	23,621		
2001	23,674		
2002	23,639		
2003	23,736		
2004	23,768		
2005	23,827		
2006	23,839		
2007	23,833		
2008	23,846		
2009	23,827		
2010	23,884	23,838	23,856

Year	Actual Services	Projected Services	
		5-Year Average	10-Year Average
2011		23,850	23,886
2012		23,861	23,915
2013		23,873	23,944
2014		23,884	23,974
2015		23,896	24,003
2016		23,907	24,033
2017		23,919	24,062
2018		23,930	24,092
2019		23,942	24,122
2020		23,953	24,151
2021		23,965	24,181
2022		23,976	24,211
2023		23,988	24,241
2024		23,999	24,270
2025		24,011	24,300
2026		24,022	24,330
2027		24,034	24,360
2028		24,045	24,390
2029		24,057	24,420
2030		24,068	24,450
2031		24,080	24,480
2032		24,091	24,510
2033		24,103	24,540
2034		24,115	24,571
2035		24,126	24,601
2036		24,138	24,631
2037		24,149	24,661
2038		24,161	24,692
2039		24,173	24,722
2040		24,184	24,752

Palos Verdes District

Historical & Projected Demand



California Water Service Company - Palos Verdes District

Worksheet 16

Water Supply and Demand Analysis and Projections

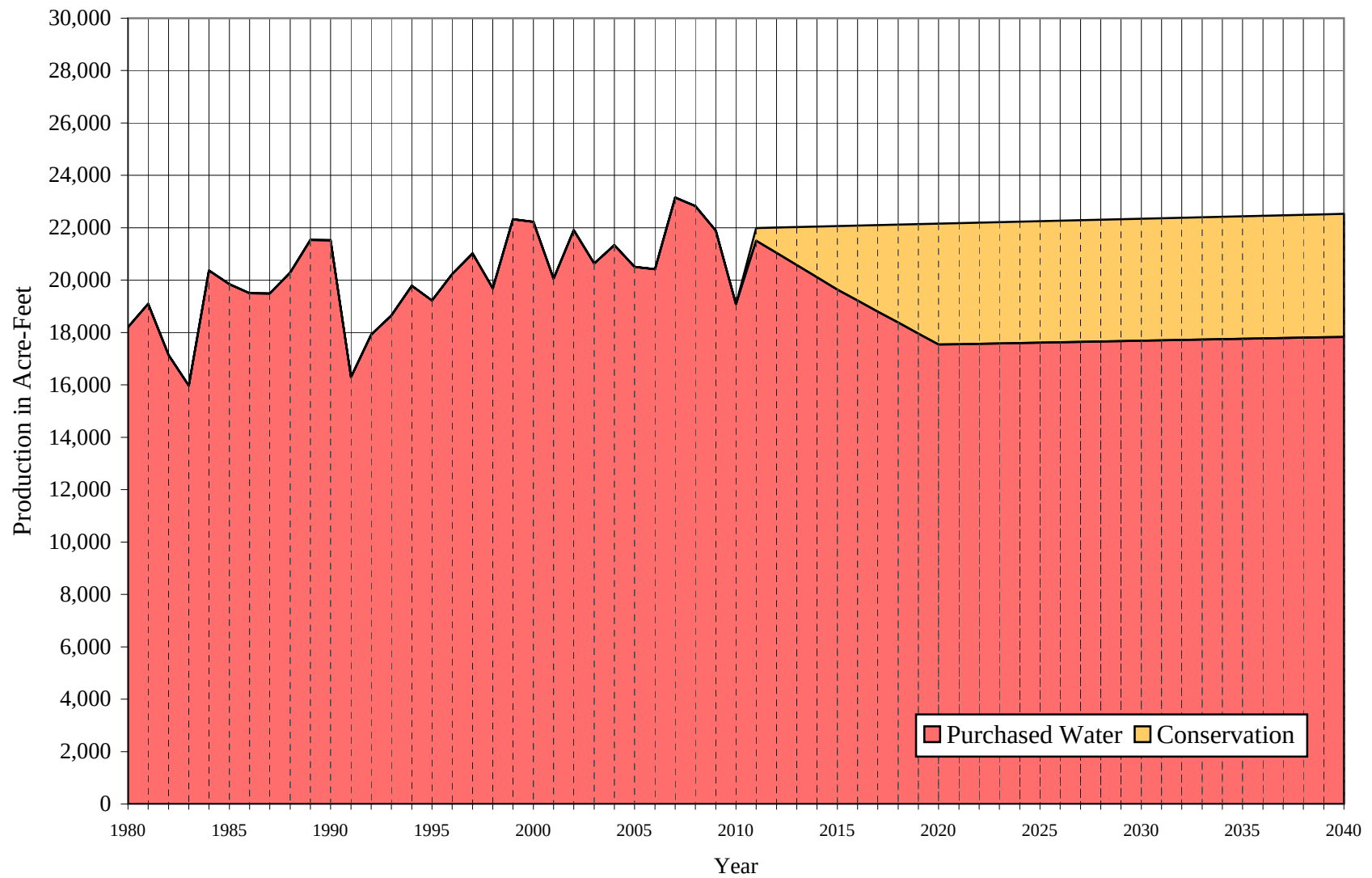
Projected Demand in Acre-Feet

Year	Actual Demand	Projection			Unadjusted Baseline Demand	Target Demand	WS&FMP
		Low	Average	High			
1980	18,208						
1981	19,094						
1982	17,138						
1983	15,974						
1984	20,367						
1985	19,844						
1986	19,497						
1987	19,490						
1988	20,294						
1989	21,537						
1990	21,521						
1991	16,301						
1992	17,917						
1993	18,653						
1994	19,788						
1995	19,220						
1996	20,232						
1997	21,020						
1998	19,692						
1999	22,324						
2000	22,222						
2001	20,056						
2002	21,906						
2003	20,639						
2004	21,334						
2005	20,506						20,508
2006	20,422						20,751
2007	23,151						20,994
2008	22,826						21,238
2009	21,889						21,481
2010	19,083	17,520	21,615	27,295	21,975	21,975	21,724

Year	Actual Demand	Projected Low Demand	Projected Average Demand	Projected High Demand	Conservation Target
2011		17,528	21,625	27,308	21,508
2012		17,537	21,636	27,321	21,043
2013		17,545	21,646	27,334	20,577
2014		17,553	21,657	27,348	20,110
2015		17,562	21,667	27,361	19,642
2016		17,570	21,677	27,374	19,221
2017		17,579	21,688	27,387	18,802
2018		17,587	21,698	27,400	18,383
2019		17,596	21,709	27,413	17,963
2020		17,604	21,719	27,426	17,541
2021		17,612	21,730	27,440	17,554
2022		17,621	21,740	27,453	17,569
2023		17,629	21,750	27,466	17,584
2024		17,638	21,761	27,479	17,599
2025		17,646	21,771	27,492	17,615
2026		17,655	21,782	27,505	17,627
2027		17,663	21,792	27,519	17,642
2028		17,672	21,803	27,532	17,657
2029		17,680	21,813	27,545	17,673
2030		17,689	21,824	27,558	17,688
2031		17,697	21,834	27,572	17,703
2032		17,706	21,845	27,585	17,715
2033		17,714	21,855	27,598	17,730
2034		17,723	21,865	27,611	17,746
2035		17,731	21,876	27,625	17,761
2036		17,740	21,886	27,638	17,776
2037		17,748	21,897	27,651	17,791
2038		17,757	21,908	27,664	17,806
2039		17,765	21,918	27,678	17,819
2040		17,774	21,929	27,691	17,834

Palos Verdes District

Historical and Projected Distribution of Demand by Source



California Water Service Company - Palos Verdes District

Worksheet 17

Water Supply and Demand Analysis and Projections

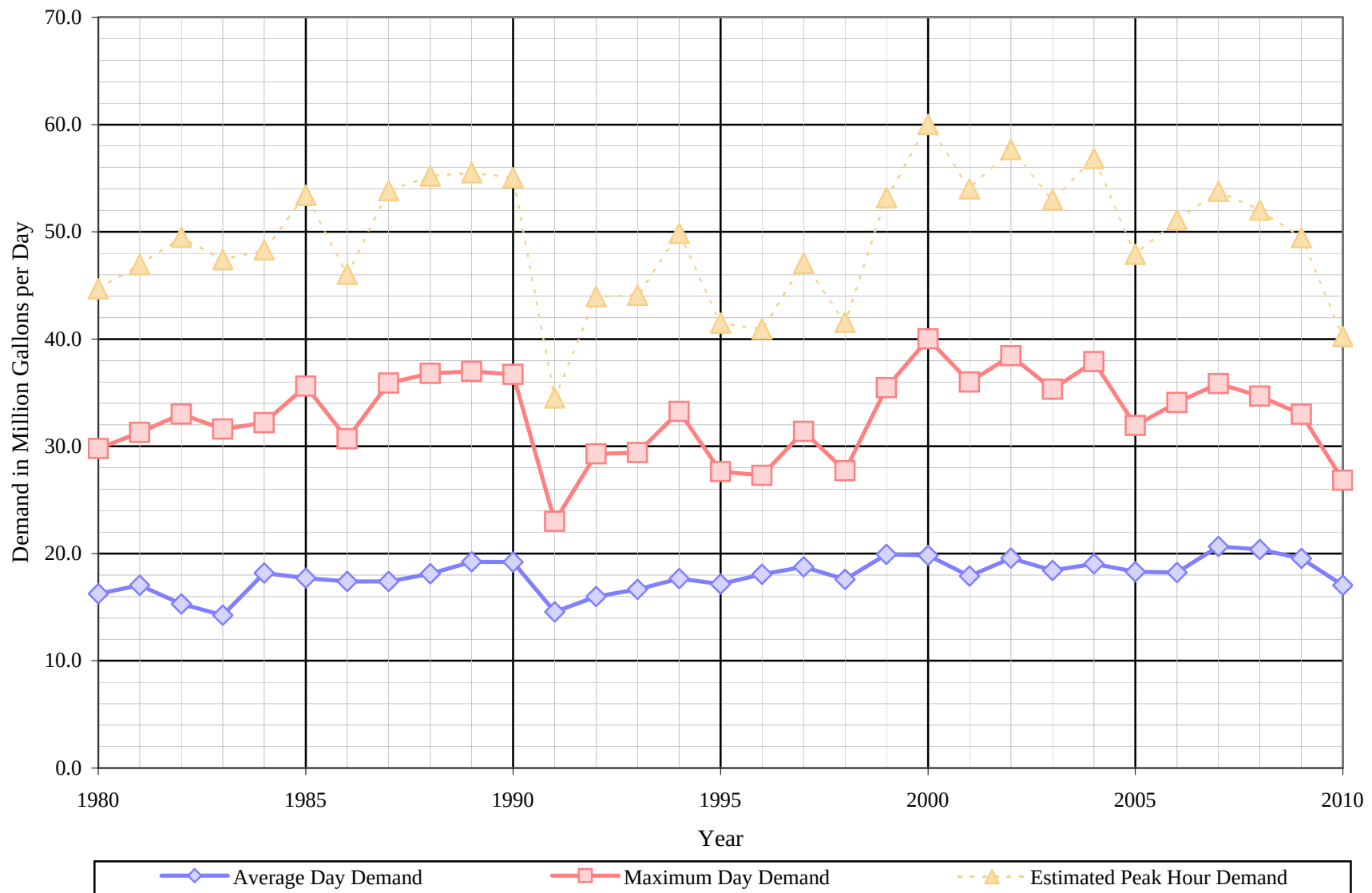
Historical and Projected Distribution of Demand by Source

Year	Purchased Water		Recycled Water		Conservation		Total Supply	
	kGal	AF	kGal	AF	(kG)	(AF)	KGal	(Acre-Feet)
1980	5,933,101	18,208	-	-			5,933,101	18,208
1981	6,222,031	19,095	-	-			6,222,031	19,094
1982	5,584,466	17,138	-	-			5,584,466	17,138
1983	5,205,211	15,974	-	-			5,205,211	15,974
1984	6,636,696	20,367	-	-			6,636,696	20,367
1985	6,466,280	19,844	-	-			6,466,280	19,844
1986	6,353,190	19,497	-	-			6,353,190	19,497
1987	6,350,786	19,490	-	-			6,350,786	19,490
1988	6,613,016	20,295	-	-			6,613,016	20,294
1989	7,017,959	21,537	-	-			7,017,959	21,537
1990	7,012,729	21,521	-	-			7,012,729	21,521
1991	5,311,743	16,301	-	-			5,311,743	16,301
1992	5,838,451	17,918	-	-			5,838,451	17,917
1993	6,078,123	18,653	-	-			6,078,123	18,653
1994	6,447,896	19,788	-	-			6,447,896	19,788
1995	6,262,803	19,220	-	-			6,262,803	19,220
1996	6,592,685	20,232	-	-			6,592,685	20,232
1997	6,849,605	21,021	-	-			6,849,605	21,020
1998	6,416,679	19,692	-	-			6,416,679	19,692
1999	7,274,418	22,324	-	-			7,274,418	22,324
2000	7,241,045	22,222	-	-			7,241,045	22,222
2001	6,535,523	20,057	-	-			6,535,523	20,056
2002	7,138,133	21,906	-	-			7,138,133	21,906
2003	6,725,336	20,639	-	-			6,725,336	20,639
2004	6,951,791	21,334	-	-			6,951,791	21,334
2005	6,682,138	20,507	-	-			6,682,138	20,506
2006	6,654,583	20,422	-	-			6,654,583	20,422
2007	7,543,924	23,151	-	-			7,543,924	23,151
2008	7,437,994	22,826	-	-			7,437,994	22,826
2009	7,132,716	21,890	-	-			7,132,716	21,889
2010	6,218,454	19,084	-	-			6,218,454	19,083

Year	Purchased Water		Recycled Water		Conservation		Total Supply	
	kGal	AF	kGal	AF	(kG)	(AF)	KGal	(Acre-Feet)
2011	6,963,527	21,508	0	0	156,513	483	6,963,527	21,991
2012	6,812,927	21,043	0	0	313,297	968	6,812,927	22,010
2013	6,662,056	20,577	0	0	470,354	1,453	6,662,056	22,029
2014	6,510,913	20,110	0	0	627,682	1,939	6,510,913	22,049
2015	6,359,497	19,642	0	0	785,282	2,425	6,359,497	22,068
2016	6,223,220	19,221	0	0	926,714	2,862	6,223,220	22,084
2017	6,087,616	18,802	0	0	1,068,502	3,300	6,087,616	22,103
2018	5,951,769	18,383	0	0	1,210,535	3,739	5,951,769	22,122
2019	5,815,678	17,963	0	0	1,352,811	4,178	5,815,678	22,141
2020	5,679,343	17,541	0	0	1,495,331	4,619	5,679,343	22,160
2021	5,683,423	17,554	0	0	1,496,405	4,622	5,683,423	22,176
2022	5,688,319	17,569	0	0	1,497,694	4,626	5,688,319	22,195
2023	5,693,215	17,584	0	0	1,498,983	4,630	5,693,215	22,214
2024	5,698,111	17,599	0	0	1,500,272	4,634	5,698,111	22,233
2025	5,703,007	17,615	0	0	1,501,561	4,638	5,703,007	22,252
2026	5,707,087	17,627	0	0	1,502,635	4,641	5,707,087	22,268
2027	5,711,983	17,642	0	0	1,503,924	4,645	5,711,983	22,287
2028	5,716,879	17,657	0	0	1,505,213	4,649	5,716,879	22,306
2029	5,721,775	17,673	0	0	1,506,503	4,653	5,721,775	22,326
2030	5,726,671	17,688	0	0	1,507,792	4,657	5,726,671	22,345
2031	5,731,567	17,703	0	0	1,509,081	4,661	5,731,567	22,364
2032	5,735,647	17,715	0	0	1,510,155	4,664	5,735,647	22,380
2033	5,740,543	17,730	0	0	1,511,444	4,668	5,740,543	22,399
2034	5,745,439	17,746	0	0	1,512,733	4,672	5,745,439	22,418
2035	5,750,335	17,761	0	0	1,514,022	4,676	5,750,335	22,437
2036	5,755,231	17,776	0	0	1,515,311	4,680	5,755,231	22,456
2037	5,760,127	17,791	0	0	1,516,600	4,684	5,760,127	22,475
2038	5,765,023	17,806	0	0	1,517,889	4,688	5,765,023	22,494
2039	5,769,103	17,819	0	0	1,518,964	4,692	5,769,103	22,510
2040	5,773,999	17,834	0	0	1,520,253	4,696	5,773,999	22,529

Palos Verdes District

Average Day, Maximum Day, & Peak Demand



California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections
Historical and Projected Average Day, Maximum Day, and Peak Demand

Worksheet 18

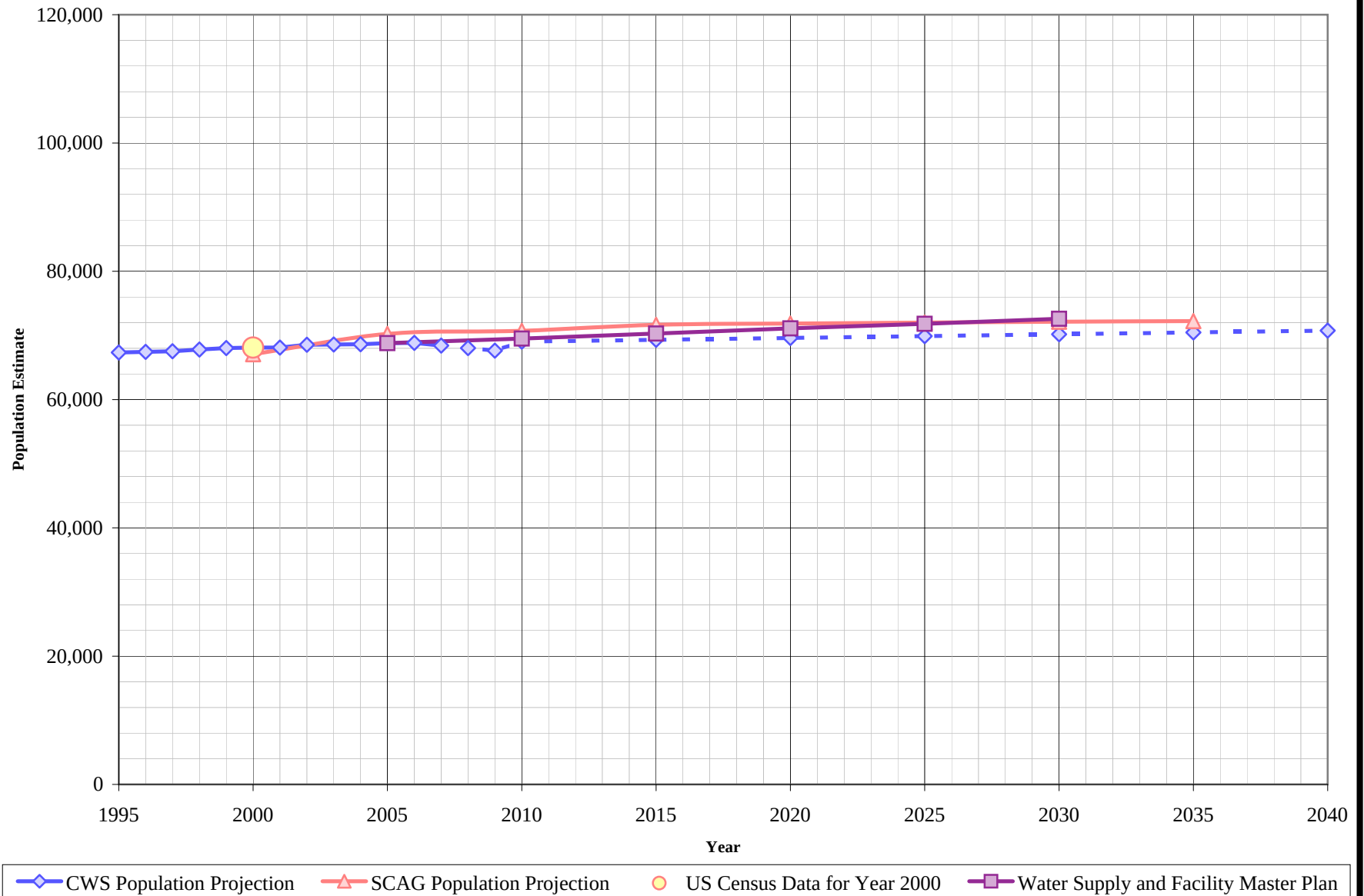
Year	Historical Demand (AFY)	Annual Demand (MGY)	Average Day Demand (MGD)	Per Service (GPD)	Maximum Day Demand (MGD)	Per Service (GPD)	MDD ADD Ratio	Estimated Peak Hour Demand (MGD)	(GPM)	PHD MDD Ratio	PHD ADD Ratio	Measured Peak Hour Demand (MGD)	(GPM)	PHD MDD Ratio
1980	18,208	5,933	16.255	738	29.800	1,353	1.83	44.700	31,042	1.50	2.75			
1981	19,094	6,222	17.046	769	31.300	1,412	1.84	46.950	32,604	1.50	2.75			
1982	17,138	5,584	15.300	689	33.000	1,487	2.16	49.500	34,375	1.50	3.24			
1983	15,974	5,205	14.261	642	31.600	1,422	2.22	47.400	32,917	1.50	3.32			
1984	20,367	6,637	18.182	813	32.200	1,440	1.77	48.300	33,542	1.50	2.66			
1985	19,844	6,466	17.715	788	35.600	1,583	2.01	53.400	37,083	1.50	3.01			
1986	19,497	6,353	17.406	771	30.700	1,360	1.76	46.050	31,979	1.50	2.65			
1987	19,490	6,351	17.399	766	35.900	1,580	2.06	53.850	37,396	1.50	3.09			
1988	20,294	6,613	18.117	792	36.800	1,609	2.03	55.200	38,333	1.50	3.05			
1989	21,537	7,018	19.227	836	37.000	1,608	1.92	55.500	38,542	1.50	2.89			
1990	21,521	7,013	19.213	831	36.700	1,587	1.91	55.050	38,229	1.50	2.87			
1991	16,301	5,312	14.552	626	23.000	989	1.58	34.500	23,958	1.50	2.37			
1992	17,917	5,838	15.995	687	29.300	1,259	1.83	43.950	30,521	1.50	2.75			
1993	18,653	6,078	16.652	717	29.400	1,266	1.77	44.100	30,625	1.50	2.65			
1994	19,788	6,448	17.665	760	33.240	1,430	1.88	49.860	34,625	1.50	2.82			
1995	19,220	6,263	17.158	737	27.659	1,188	1.61	41.489	28,811	1.50	2.42			
1996	20,232	6,593	18.062	775	27.278	1,171	1.51	40.917	28,415	1.50	2.27			
1997	21,020	6,849	18.766	804	31.381	1,344	1.67	47.072	32,689	1.50	2.51			
1998	19,692	6,417	17.580	751	27.709	1,183	1.58	41.564	28,864	1.50	2.36			
1999	22,324	7,274	19.930	847	35.459	1,507	1.78	53.189	36,936	1.50	2.67			
2000	22,222	7,241	19.838	840	40.016	1,694	2.02	60.024	41,683	1.50	3.03			
2001	20,056	6,535	17.905	756	35.998	1,521	2.01	53.997	37,498	1.50	3.02			
2002	21,906	7,138	19.556	827	38.452	1,627	1.97	57.678	40,054	1.50	2.95			
2003	20,639	6,725	18.425	776	35.319	1,488	1.92	52.979	36,791	1.50	2.88			
2004	21,334	6,952	19.046	801	37.889	1,594	1.99	56.834	39,468	1.50	2.98			
2005	20,506	6,682	18.307	768	31.936	1,340	1.74	47.904	33,267	1.50	2.62			
2006	20,422	6,654	18.231	765	34.072	1,429	1.87	51.108	35,492	1.50	2.80			
2007	23,151	7,544	20.668	867	35.849	1,504	1.73	53.774	37,343	1.50	2.60			
2008	22,826	7,438	20.378	855	34.689	1,455	1.70	52.034	36,134	1.50	2.55			
2009	21,889	7,133	19.541	820	32.978	1,384	1.69	49.467	34,352	1.50	2.53			
2010	19,083	6,218	17.037	713	26.828	1,123	1.57	40.242	27,946	1.50	2.36			
5 year Average (2006-2010)			19.171	804	32.883	1,379	1.71	49.325	34,253	1.50	2.57			
10 year Average (2001-2010)			18.909	795	34.401	1,447	1.82	51.602	35,834	1.50	2.73			

Worksheet 19

[illegible]

US Census 2000 Summary			
Area	Census Tract Blocks	Population	Housing Units
District	628	68,113	26,504

Palos Verdes District Population Projections



California Water Service Company - Palos Verdes District

Water Supply and Demand Analysis and Projections

Worksheet 19

Estimated District Population Based on U.S. Census Data & Average Annual Service Count

District : Palos Verdes

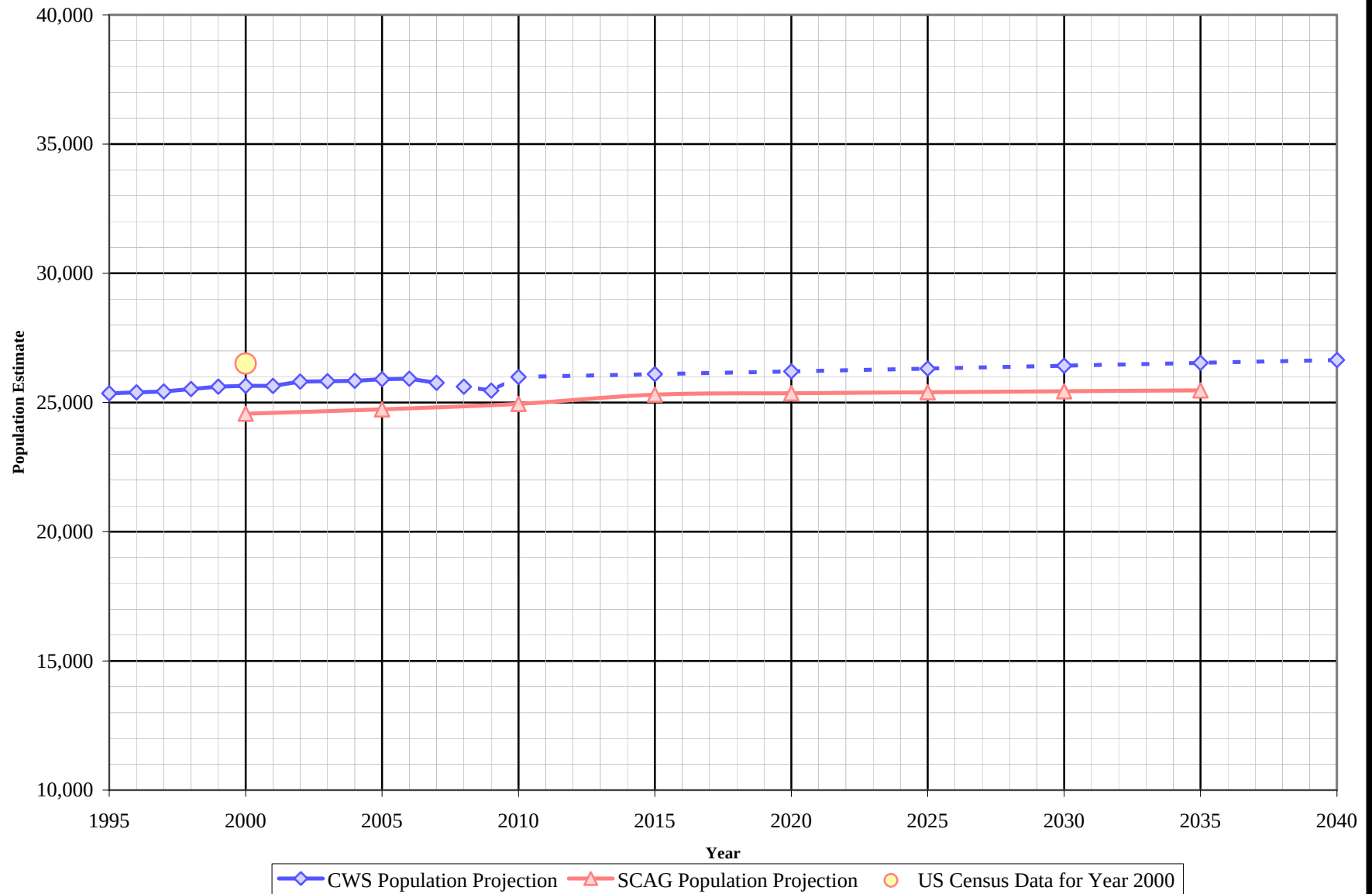
Communities Palos Verdes Estate, Rancho Palos Verdes, Rolling Hills Estates, Rolling Hills, Unincorporated County

Year	Single Family Residential Services (DU)	Multi Family Residential			Flat Rate Residential Services (DU)	Total Residential Dwelling Units	Estimated District Population
		Services	Residential Units (DU)	Unit Density			
1995	22,416	148	2,937	19.8	0	25,353	67,340
1996	22,435	148	2,954	20.0	0	25,389	67,430
1997	22,481	148	2,945	19.9	0	25,426	67,530
1998	22,554	148	2,968	20.1	0	25,522	67,790
1999	22,661	148	2,950	19.9	0	25,611	68,020
2000	22,748	146	2,897	19.8	0	25,645	68,110
2001	22,789	143	2,853	20.0	0	25,642	68,110
2002	22,758	144	3,051	21.2	0	25,809	68,550
2003	22,850	143	2,972	20.8	0	25,822	68,580
2004	22,890	143	2,945	20.6	0	25,835	68,620
2005	22,943	143	2,956	20.7	0	25,899	68,790
2006	22,952	143	2,967	20.7	0	25,919	68,840
2007	22,942	142	2,819	19.9	0	25,761	68,420
2008	22,810	182	2,803	15.4	0	25,613	68,030
2009	22,656	217	2,803	12.9	0	25,459	67,620
2010	22,667	217	3,319	15.3	0	25,985	69,020
2015	22,721	218	3,373	15.5	0	26,094	69,310
2020	22,776	218	3,427	15.7	0	26,203	69,600
2025	22,831	219	3,482	15.9	0	26,312	69,890
2030	22,885	219	3,537	16.1	0	26,422	70,180
2035	22,940	220	3,592	16.3	0	26,532	70,470
2040	22,996	220	3,647	16.6	0	26,643	70,760

US Census 2000		Calculated Persons per CWS DU	Calculated Persons per US Census Housing
Population	Housing Units		

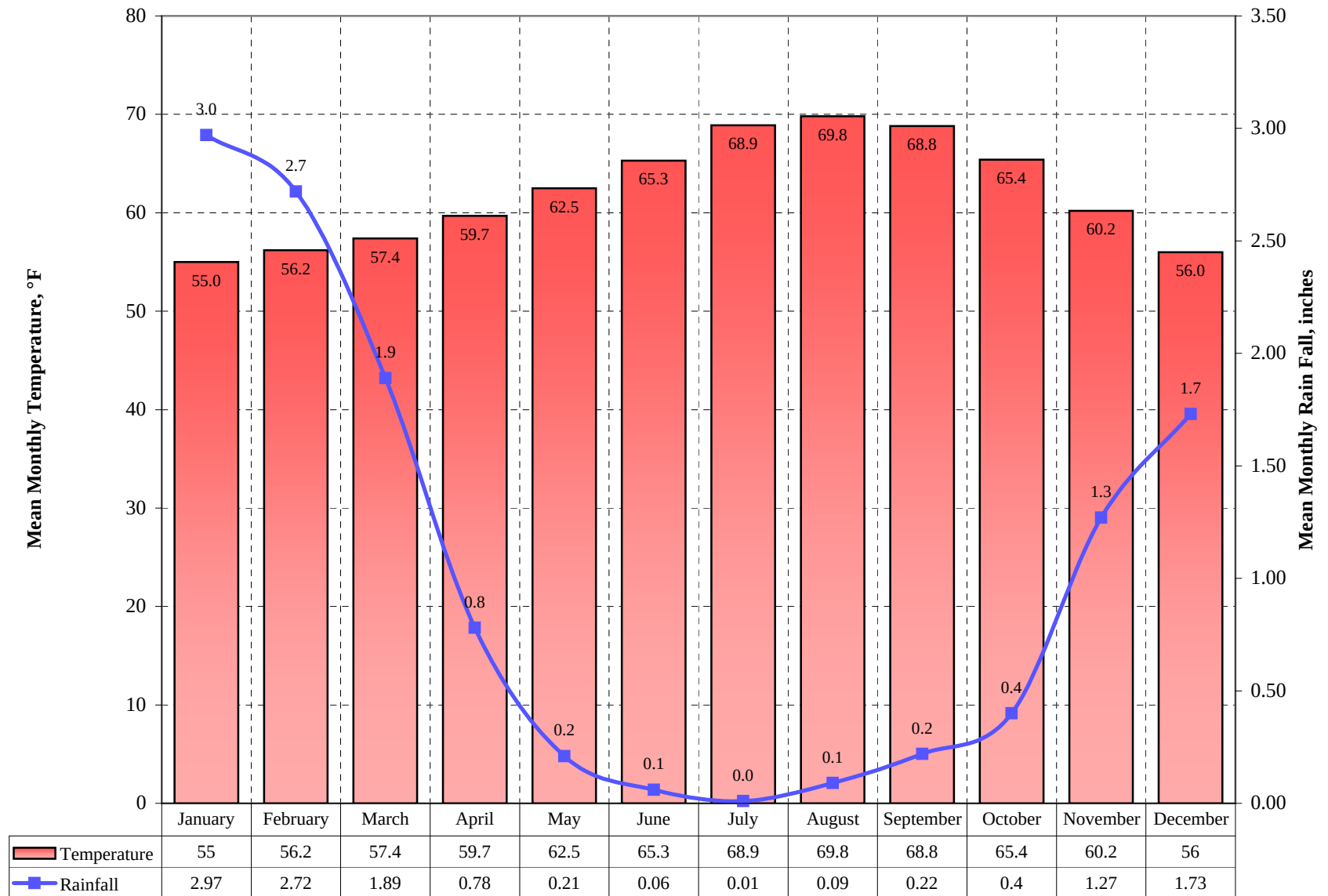
68,113	26,504	2.656	2.570
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Palos Verdes District Housing Projections



Palos Verdes District

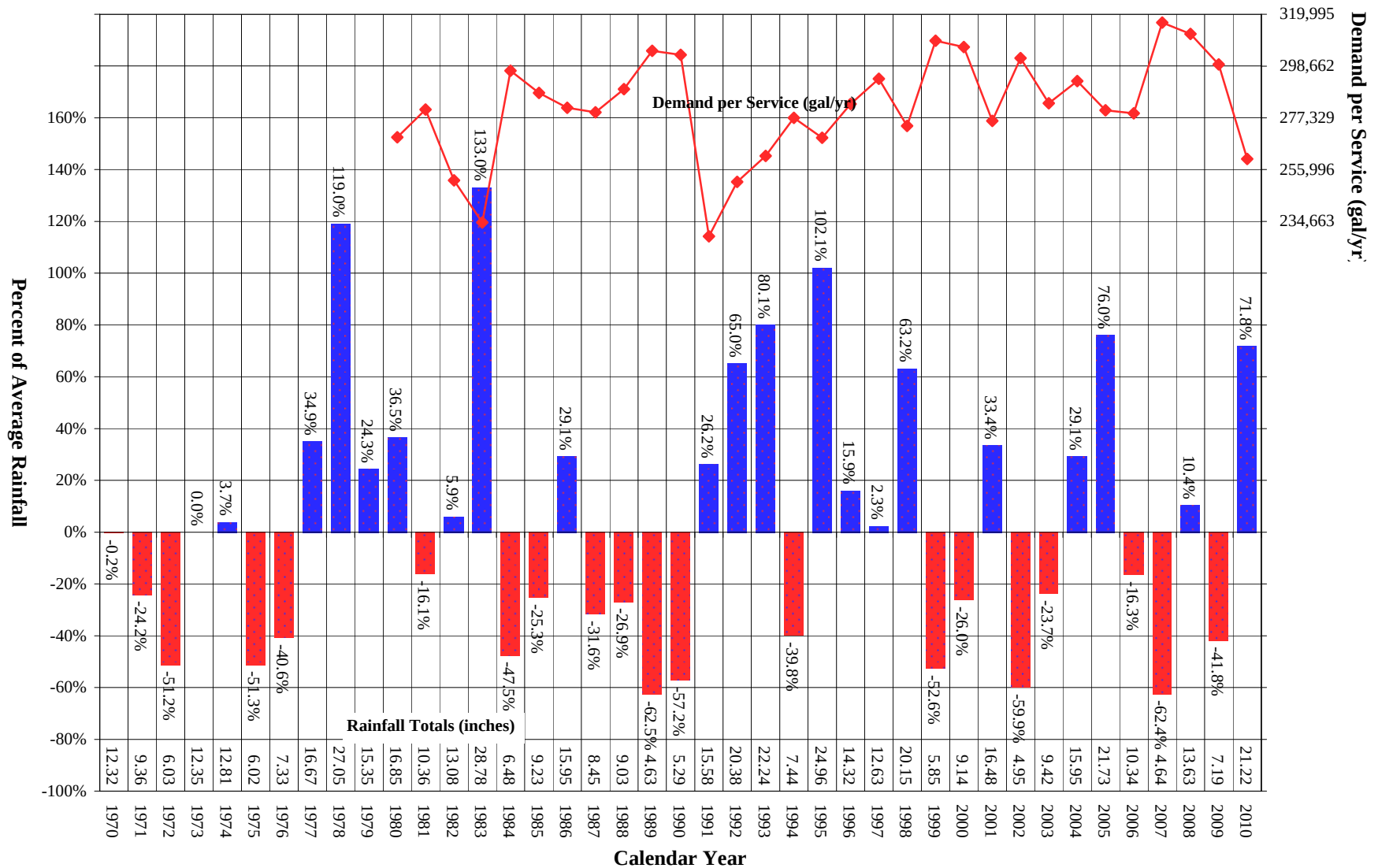
Mean Monthly Temperature and Rainfall



Palos Verdes District

Comparison of Annual Rainfall to Historic Average

Average Annual Rainfall = 12.22 inches



California Water Service Company - Palos Verdes
Water Supply and Demand Analysis and Projections

Worksheet 20

Temperature & Rainfall History (Fahrenheit, Inches)

Year	Annual Average Temp.	Annual Average Rainfall	Rainfall Percent Variation	Demand per Service (Gal / Yr)	Percent of Average Demand	Year	Annual Average Temp.	Annual Average Rainfall	Rainfall Percent Variation	Demand per Service (Gal / Yr)	Percent of Average Demand
1970	61.8	12.32	-0.2%			1995	62.5	24.96	102.1%	269,079	95.5%
1971	61.6	9.36	-24.2%			1996	63.3	14.32	15.9%	283,009	100.5%
1972	62.8	6.03	-51.2%			1997	64.5	12.63	2.3%	293,458	104.2%
1973	62.0	12.35	0.0%			1998	62.2	20.15	63.2%	274,006	97.3%
1974	62.4	12.81	3.7%			1999	61.1	5.85	-52.6%	309,142	109.7%
1975	60.8	6.02	-51.3%			2000	62.6	9.14	-26.0%	306,551	108.8%
1976	63.9	7.33	-40.6%			2001	61.3	16.48	33.4%	276,063	98.0%
1977	63.4	16.67	34.9%			2002	61.6	4.95	-59.9%	301,964	107.2%
1978	63.3	27.05	119.0%			2003	62.9	9.42	-23.7%	283,339	100.6%
1979	63.2	15.35	24.3%			2004	62.7	15.95	29.1%	292,485	103.8%
1980	63.8	16.85	36.5%	269,295	95.6%	2005	62.4	21.73	76.0%	280,444	99.5%
1981	64.8	10.36	-16.1%	280,727	99.6%	2006	61.9	10.34	-16.3%	279,147	99.1%
1982	62.1	13.08	5.9%	251,609	89.3%	2007	60.2	4.64	-62.4%	316,533	112.4%
1983	64.3	28.78	133.0%	234,195	83.1%	2008	63.1	13.63	10.4%	311,918	110.7%
1984	65.0	6.48	-47.5%	296,758	105.3%	2009	62.3	7.19	-41.8%	299,354	106.3%
1985	63.1	9.23	-25.3%	287,569	102.1%	2010	61.4	21.22	71.8%	260,361	92.4%
1986	63.8	15.95	29.1%	281,476	99.9%	2011					
1987	62.9	8.45	-31.6%	279,586	99.2%	2012					
1988	63.8	9.03	-26.9%	289,119	102.6%	2013					
1989	63.4	4.63	-62.5%	304,970	108.2%	2014					
1990	63.7	5.29	-57.2%	303,266	107.6%	2015					
1991	62.1	15.58	26.2%	228,482	81.1%	2016					
1992	64.6	20.38	65.0%	250,922	89.1%	2017					
1993	63.5	22.24	80.1%	261,672	92.9%	2018					
1994	62.4	7.44	-39.8%	277,353	98.4%	2019					

Source: Western Regional Climate Center: <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca6663>

For temperature data: <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca8973>

	Average Water Year	Normal Water Year	Single-Dry Water Year	Multiple-Dry Water Years				
Calendar Year	-	1997	2007	1	2	3	4	
Demand per Service (gal/yr)	281,737	293,458	316,533	279,147	316,533	311,918	299,354	
Difference from Average	100.0%	104.2%	112.4%	99.1%	112.4%	110.7%	106.3%	

**California Water Service Company - Palos Verdes
Water Supply and Demand Analysis and Projections**

Worksheet 20

Temperature Data

Station:(048973) TORRANCE															
From Year=1932 To Year=2010															
	Monthly Averages			Daily Extremes				Monthly Extremes				Max. Temp.		Min. Temp.	
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F	<= 32 F	<= 0 F
	F	F	F	F	dd/yyyy or yyyymmdd	F	dd/yyyy or yyyymmdd	F	-	F	-	# Days	# Days	# Days	# Days
January	65.8	44.2	55	91	31/2003	24	23/1937	61.9	2003	45.2	1932	0	0	0.9	0
February	66.5	45.8	56.2	92	23/1954	28	3/1932	61.3	1954	49.4	1956	0	0	0.2	0
March	67.4	47.3	57.4	96	26/1988	23	2/1935	63.1	1988	52.4	1939	0.1	0	0.1	0
April	69.6	49.8	59.7	104	6/1989	30	1/1936	65.8	1992	53.3	1967	0.5	0	0	0
May	71.6	53.4	62.5	100	13/1979	37	5/1933	67.9	1997	57.1	1933	0.4	0	0	0
June	73.8	56.7	65.3	104	16/1981	21	12/2007	72.2	1981	58.8	2007	0.4	0	0	0
July	77.6	60.2	68.9	102	1/1985	43	23/1965	73.8	2006	64.8	1944	0.5	0	0	0
August	78.6	61	69.8	101	6/1983	44	9/2007	75.2	1983	66	1942	0.9	0	0	0
September	78	59.5	68.8	111	1/1955	41	28/1934	77.4	1984	61.7	1933	1.8	0	0	0
October	75.4	55.4	65.4	106	15/1961	33	4/1945	70.5	1958	61.8	1938	1.7	0	0	0
November	71.5	48.9	60.2	98	4/1949	29	13/1938	65.8	1976	55.3	1994	0.6	0	0.1	0
December	67	45	56	94	3/1958	27	22/1990	60.1	1980	51.1	1932	0	0	0.4	0
Annual	71.9	52.3	62.1	111	19550901	21	20070612	65	1984	58.7	1933	6.9	0	1.6	0

Monthly Average ETo Report	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	1.24	1.68	3.10	3.90	4.65	5.10	4.96	4.65	3.90	2.79	1.80	1.24	39.01

1) California Irrigation Management Information System (CIMIS), <http://www.cimis.water.ca.gov/cimis/welcome.jsp>, EvapoTranspiration (Eto) Zones Map, Zone 2

**California Water Service Company - Palos Verdes
Water Supply and Demand Analysis and Projections**

Worksheet 20

Precipitaion Data

Station:(046663) PALOS VERDES EST FC43D														
From Year=1949 To Year=2010														
	Precipitation											Total Snowfall		
	Mean	High	Year	Low	Year	1 Day Max.		>= 0.01 in.	>= 0.10 in.	>= 0.50 in.	>= 1.00 in.	Mean	High	Year
	in.	in.	-	in.	-	in.	dd/yyyy or yyyymmdd	# Days	# Days	# Days	# Days	in.	in.	-
January	2.97	15.39	1995	0	1963	4.45	4/1995	5	4	2	1	0	0	1950
February	2.72	11.67	1998	0	1961	4.12	10/1963	5	4	2	1	0	0	1949
March	1.89	8.08	1978	0	1956	2.99	1/1978	4	3	1	0	0	0	1949
April	0.78	4.82	1965	0	1949	1.65	3/1965	3	2	1	0	0	0	1949
May	0.21	3.59	1977	0	1951	2.52	8/1977	1	1	0	0	0	0	1949
June	0.06	0.75	1993	0	1949	0.75	5/1993	0	0	0	0	0	0	1949
July	0.01	0.3	1991	0	1949	0.16	8/1991	0	0	0	0	0	0	1949
August	0.09	3.29	1977	0	1949	1.77	17/1977	0	0	0	0	0	0	1949
September	0.22	1.74	1986	0	1949	1.37	25/1986	1	1	0	0	0	0	1949
October	0.4	4.36	2004	0	1952	1.96	20/2004	1	1	0	0	0	0	1949
November	1.27	7.71	1965	0	1956	3.95	29/1970	3	2	1	0	0	0	1949
December	1.73	7.69	2010	0	1958	2.36	30/1951	4	3	1	0	0	0	1949
Annual	12.35	28.78	1983	3.07	1953	4.45	19950104	28	20	8	4	0	0	1950

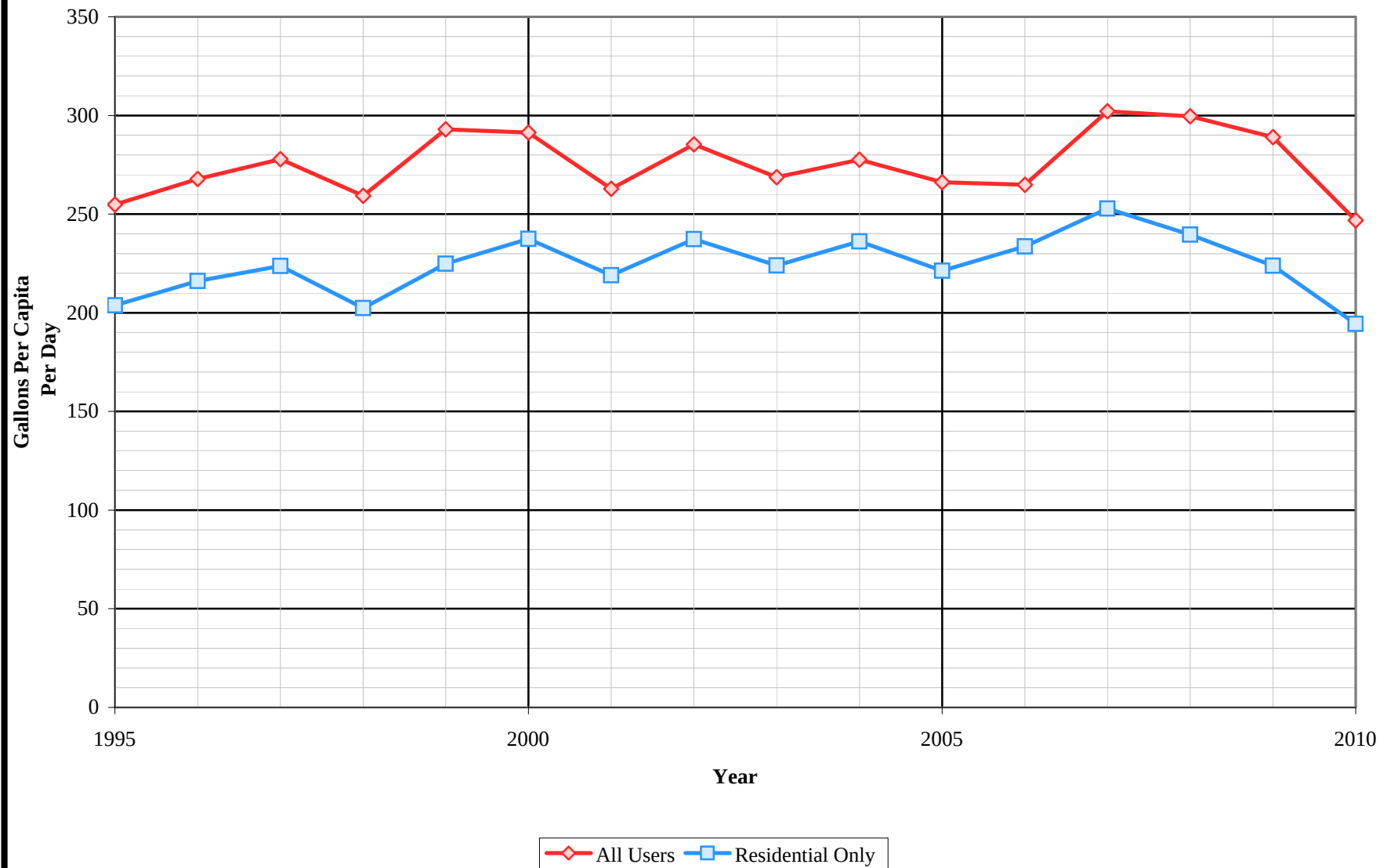
California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections

Worksheet 21

Groundwater Production Facilities

District does not have groundwater production facilities

Palos Verdes District Per Capita Consumption



California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections

Worksheet 22

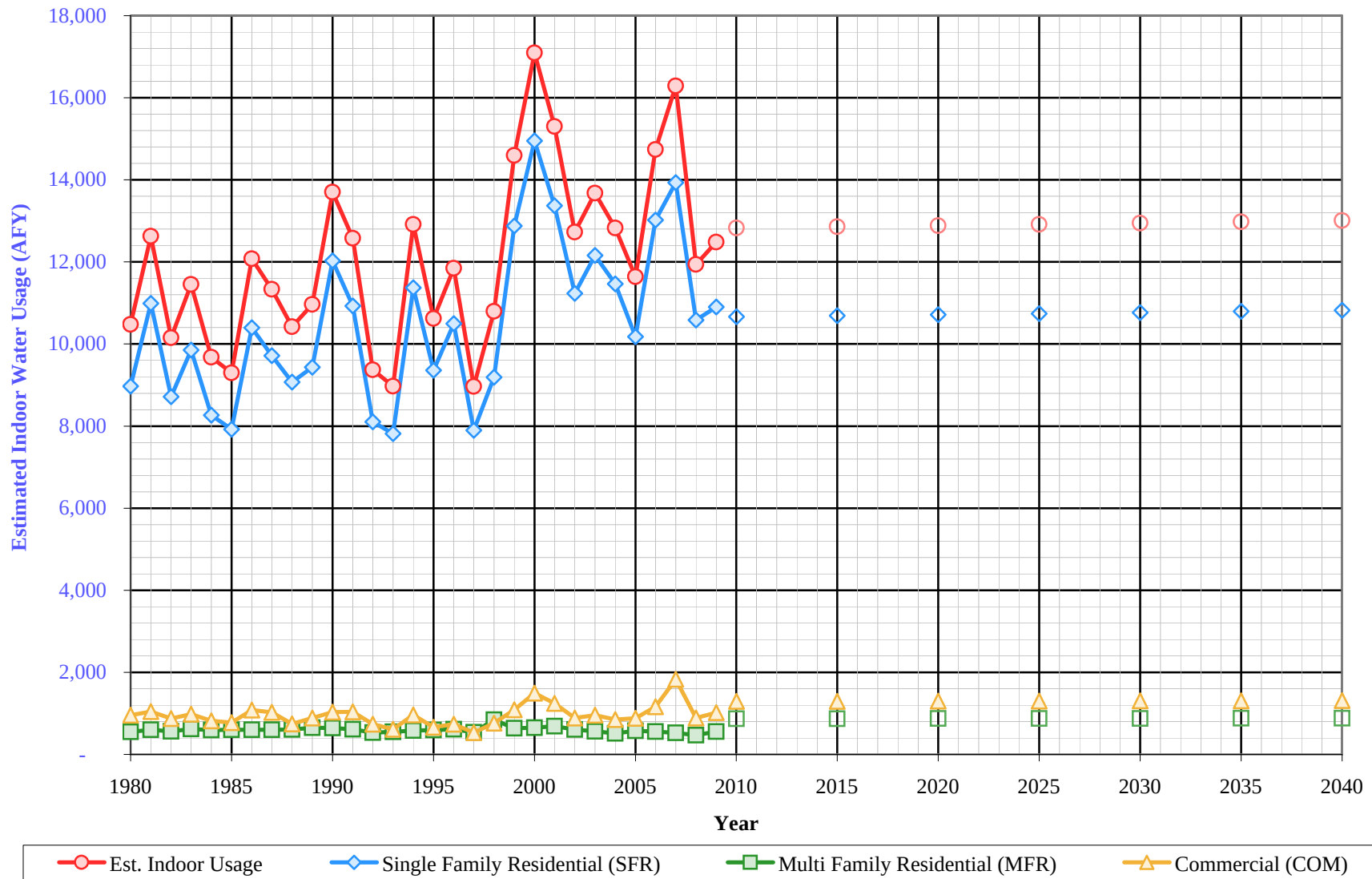
Per Capita Water Demand Calculation

Year	All Users			Residential Only		
	Usage (AFY)	Usage (MGY)	Gallons Per Capita Per Day	Usage (AFY)	Usage (MGY)	Gallons Per Capita Per Day
1995	19,220	6,263	255	15,371	5,009	204
1996	20,232	6,593	268	16,323	5,319	216
1997	21,021	6,850	278	16,919	5,513	224
1998	19,692	6,417	259	15,364	5,006	202
1999	22,324	7,274	293	17,133	5,583	225
2000	22,222	7,241	291	18,113	5,902	237
2001	20,057	6,536	263	16,710	5,445	219
2002	21,906	7,138	285	18,226	5,939	237
2003	20,639	6,725	269	17,201	5,605	224
2004	21,334	6,952	278	18,149	5,914	236
2005	20,507	6,682	266	17,052	5,556	221
2006	20,422	6,655	265	18,020	5,872	234
2007	23,151	7,544	302	19,377	6,314	253
2008	22,826	7,438	300	18,256	5,949	240
2009	21,889	7,133	289	16,957	5,525	224
2010	19,084	6,218	247	15,027	4,896	194
5 Yr. Avg.	21,475	6,998	280	17,527	5,711	229
10 Yr. Avg.	21,182	6,902	276	17,497	5,702	228

Five year average is from years 2006 through 2010.

Ten year average is from years 2001 through 2010.

Palos Verdes District Estimated Indoor Water Usage



California Water Service Company - Palos Verdes District
Water Supply and Demand Analysis and Projections

Worksheet 23

Estimated Indoor Water Usage

	Single Family Residential (SFR)							Multi Family Residential (MFR)						Commercial (COM)						Est. Indoor Usage
Year	Metered Single Family Residential Indoor Use (Annualized 90% of January Total)			Indoor Flat Rate Usage (AFY)	Total SFR Indoor Usage			Multi Family Residential January Usage		Multi Family Residential Indoor Use (Annualized 90% of January)			Commercial	Commercial Indoor Use (Annualized 90% of January Total)						
	JAN (CCF)	AFY	AFY/Service		AFY	GPD/Service	%	(CCF)	AFY	GPD/Service	%	(CCF)	AFY	GPD/Service	%					
1980	361,753	8,969	4.53	0	8,969	378	69%	22,286	553	3,426	85%	38,519	955	1,830	67%	10,477				
1981	443,151	10,987	9.81	0	10,987	460	78%	24,105	598	3,654	93%	42,132	1,045	1,955	67%	12,629				
1982	351,572	8,717	7.78	0	8,717	365	68%	22,719	563	3,444	89%	35,173	872	1,625	61%	10,152				
1983	397,356	9,852	8.80	0	9,852	412	82%	25,012	620	3,792	98%	39,495	979	1,799	64%	11,451				
1984	333,430	8,267	7.38	0	8,267	343	56%	23,999	595	3,638	86%	32,964	817	1,501	44%	9,679				
1985	319,491	7,921	7.07	0	7,921	327	56%	24,216	600	3,622	85%	31,353	777	1,425	43%	9,299				
1986	419,309	10,396	9.28	0	10,396	428	73%	24,227	601	3,599	87%	43,676	1,083	1,993	62%	12,080				
1987	391,753	9,713	8.67	0	9,713	397	67%	24,176	599	3,616	87%	41,238	1,022	1,882	60%	11,335				
1988	365,795	9,069	8.10	0	9,069	368	60%	24,404	605	3,650	84%	30,078	746	1,353	44%	10,420				
1989	380,445	9,433	8.42	0	9,433	380	59%	26,123	648	3,907	89%	35,720	886	1,591	51%	10,966				
1990	485,053	12,026	10.74	0	12,026	483	74%	25,943	643	3,880	90%	41,565	1,031	1,889	60%	13,700				
1991	440,641	10,925	9.75	0	10,925	436	89%	24,658	611	3,688	98%	41,885	1,038	1,908	75%	12,575				
1992	326,871	8,104	7.24	0	8,104	323	60%	21,296	528	3,185	84%	29,772	738	1,364	51%	9,370				
1993	315,200	7,815	6.98	0	7,815	312	55%	22,079	547	3,302	85%	24,595	610	1,149	41%	8,972				
1994	458,749	11,374	10.15	0	11,374	453	74%	23,324	578	3,488	83%	38,812	962	1,793	62%	12,915				
1995	377,525	9,360	8.36	0	9,360	373	64%	24,037	596	3,595	88%	26,753	663	1,216	46%	10,619				
1996	423,423	10,498	9.37	0	10,498	418	67%	24,659	611	3,688	89%	29,762	738	1,350	52%	11,847				
1997	318,453	7,896	7.05	0	7,896	314	49%	21,672	537	3,241	81%	21,489	533	985	33%	8,966				
1998	370,663	9,190	8.20	0	9,190	364	63%	33,930	841	5,074	121%	30,807	764	1,421	46%	10,795				
1999	519,259	12,874	11.49	0	12,874	507	78%	25,783	639	3,856	91%	43,739	1,084	2,017	56%	14,598				
2000	602,965	14,950	13.35	0	14,950	587	86%	26,235	650	3,977	91%	60,269	1,494	2,739	74%	17,094				
2001	539,258	13,370	11.94	0	13,370	524	83%	27,732	688	4,292	99%	50,123	1,243	2,260	76%	15,300				
2002	453,130	11,235	10.03	0	11,235	441	64%	24,489	607	3,764	90%	35,707	885	1,597	46%	12,727				
2003	490,300	12,156	10.85	0	12,156	475	73%	22,618	561	3,501	92%	38,607	957	1,719	55%	13,674				
2004	462,348	11,463	10.23	0	11,463	447	65%	20,595	511	3,188	82%	34,393	853	1,550	46%	12,827				
2005	410,548	10,179	9.09	0	10,179	396	62%	23,231	576	3,596	93%	35,648	884	1,594	47%	11,639				
2006	525,120	13,020	11.62	0	13,020	506	75%	22,512	558	3,485	96%	46,825	1,161	2,085	59%	14,739				
2007	562,066	13,936	12.44	0	13,936	542	74%	21,136	524	3,295	89%	73,803	1,830	3,287	79%	16,289				
2008	426,926	10,585	9.45	0	10,585	414	60%	18,774	465	2,283	71%	35,856	889	1,373	36%	11,939				
2009	439,773	10,903	9.73	0	10,903	430	67%	22,550	559	2,300	82%	41,071	1,018	1,357	38%	12,481				
2010	---	---	---	---	10,665	420	68%	---	868	3,568	87%	---	1,292	1,720	55%	12,824				
2015	---	---	---	---	10,691	420	68%	---	870	3,568	87%	---	1,295	1,720	55%	12,855				
2020	---	---	---	---	10,717	420	68%	---	872	3,568	87%	---	1,298	1,720	55%	12,886				
2025	---	---	---	---	10,742	420	68%	---	874	3,568	87%	---	1,301	1,720	55%	12,917				
2030	---	---	---	---	10,768	420	68%	---	876	3,568	87%	---	1,304	1,720	55%	12,948				
2035	---	---	---	---	10,794	420	68%	---	878	3,568	87%	---	1,307	1,720	55%	12,979				
2040	---	---	---	---	10,820	420	68%	---	880	3,568	87%	---	1,310	1,720	55%	13,010				

California Water Service Company - Palos Verdes District

Worksheet 24

Water Supply and Demand Analysis and Projections

Comparison of Projected Demand and Conservation Savings Between SBx7-7 Compliance Targets and Actual Proposed Programs

Year	SBx7-7 Compliance Target (gpcd)	Anticipated GPCD with Proposed Programs*	Estimated Population	SBx7-7 Compliance Target Demand (AFY)	Undadjusted Baseline Demand (AFY)	Compliance Target Savings Requirement (AFY)	Anticipated Demand with Proposed Programs (AFY)	Savings Due to Proposed Programs (AFY)
2005-2009 Average	284	284	68,340	21,759	21,759	0	21,759	0
2010	284	284	69,020	21,975	21,975	0	21,975	0
2011	278	283	69,070	21,508	21,991	483	21,895	96
2012	272	281	69,130	21,043	22,010	968	21,759	251
2013	265	280	69,190	20,577	22,029	1,453	21,701	329
2014	259	278	69,250	20,110	22,049	1,939	21,564	484
2015	253	277	69,310	19,642	22,068	2,425	21,505	562
2016	247	267	69,360	19,221	22,084	2,862	20,713	1,371
2017	242	256	69,420	18,802	22,103	3,300	19,922	2,180
2018	236	246	69,480	18,383	22,122	3,739	19,130	2,992
2019	231	235	69,540	17,963	22,141	4,178	18,336	3,804
2020	225	225	69,600	17,541	22,160	4,619	17,541	4,619
2021	225	225	69,650	17,554	22,176	4,622	17,554	4,622
2022	225	225	69,710	17,569	22,195	4,626	17,569	4,626
2023	225	225	69,770	17,584	22,214	4,630	17,584	4,630
2024	225	225	69,830	17,599	22,233	4,634	17,599	4,634
2025	225	225	69,890	17,615	22,252	4,638	17,615	4,638
2026	225	225	69,940	17,627	22,268	4,641	17,627	4,641
2027	225	225	70,000	17,642	22,287	4,645	17,642	4,645
2028	225	225	70,060	17,657	22,306	4,649	17,657	4,649
2029	225	225	70,120	17,673	22,326	4,653	17,673	4,653
2030	225	225	70,180	17,688	22,345	4,657	17,688	4,657
2031	225	225	70,240	17,703	22,364	4,661	17,703	4,661
2032	225	225	70,290	17,715	22,380	4,664	17,715	4,664
2033	225	225	70,350	17,730	22,399	4,668	17,730	4,668
2034	225	225	70,410	17,746	22,418	4,672	17,746	4,672
2035	225	225	70,470	17,761	22,437	4,676	17,761	4,676
2036	225	225	70,530	17,776	22,456	4,680	17,776	4,680
2037	225	225	70,590	17,791	22,475	4,684	17,791	4,684
2038	225	225	70,650	17,806	22,494	4,688	17,806	4,688
2039	225	225	70,700	17,819	22,510	4,692	17,819	4,692
2040	225	225	70,760	17,834	22,529	4,696	17,834	4,696

*Note: The district is not projected to achieve its district-specific 2015 SBx7-7 compliance target through the proposed 2011-2015 conservation program portfolio. The district will achieve compliance with its 2015 SBx7-7 compliance target through a regional alliance. For the purpose of this analysis it is assumed that there will be a linear reduction in GPCD from 2015-2020 to achieve the district-specific 2020 SBx7-7 compliance target. The district may ultimately elect to achieve 2020 SBx7-7 compliance through a regional alliance. GPCD will remain flat from 2020 through 2040.