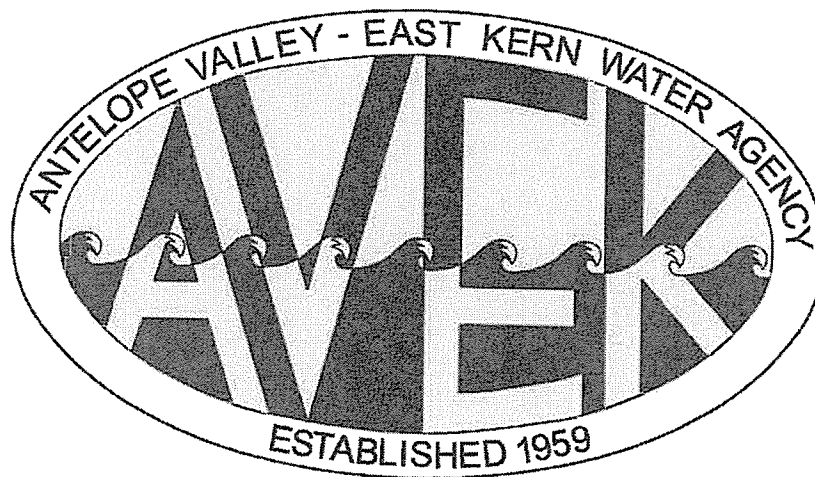


5-AVUMG-3

Antelope Valley-East Kern Water Agency,
California
Urban Water Management Plan

2008 URBAN WATER MANAGEMENT PLAN



A PUBLIC AGENCY

Section 4. Water Use Provisions

Law

10631 (e) (1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors including, but not necessarily limited to, all of the following uses:

(A) Single-family residential; (B) Multifamily; (C) Commercial; (D) Industrial; (E) Institutional and governmental; (F) Landscape; (G) Sales to other agencies; (H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof;

(2) Agricultural.

(3) The water use projections shall be in the same 5-year increments to 20 years or as far as data is available.

4.1 Water Use by Customer Type – Past, Current, and Future

Table 7 details water purveyors' deliveries for M&I. The future water uses shown in the tables were based on the DWR SWP Delivery Reliability (Figure 1) of 63% of Table A deliveries.

Table 7 Total Water Use (M&I)						
Water Distributed	2002	2007	2012	2017	2022	2027
Billiton Exploration U.S.A.	22	14	26	27	28	28
Boron CSD	280	350	655	674	692	711
City of California City	163	801	1500	1542	1584	1626
Desert Lake CSD	63	161	301	310	318	327
Desert Sage Apartments	6	6	11	12	12	12
Edgemont Acres MWC	26	18	34	35	36	37
Edwards AFB	2140	1986	3718	3823	3927	4032
FPL Energy	1438	1251	2342	2408	2474	2540
Mojave Public Utility District	217	41	77	79	81	83
Rosamond CSD	1512	1111	2080	2138	2197	2256
US Borax	1625	1828	3422	3519	3615	3711
Antelope Valley Country Club	151	193	361	371	382	392
California Water Service Co	236	313	586	602	619	635
El Dorado MWC	387	60	112	115	119	122
Landale MWC	26	0.5	1	1	1	1
Los Angeles County Waterworks Districts	31794	38581	72227	74261	76296	78330
Palm Ranch Irrigation District	650	445	833	857	880	903
Quartz Hill Water District	3217	4099	7674	7890	8106	8322
Shadow Acres MWC	218	299	560	576	591	607
Sunnyside Farms MWC	290	293	549	564	579	595
Westside Park MWC	108	71	133	137	140	144
White Fence Farms MWC	731	755	1413	1453	1493	1533
Lake Elizabeth MWC	500	950	1778	1829	1879	1929
Sales to water purveyors (AF/Y)	45,800	89,082	91,910	93,324	96,152	97,566

Table 8 details the additional water uses and losses

Table 8 Additional Water Uses and Losses (AF)						
	2002	2007	2012	2017	2022	2027
Raw Water	24,302	7,625	7,625	7,625	7,625	7,625
Unaccounted-for system losses	2,103	1,001	3,046	3,132	3,220	3,311
Total	26,405	8,626	10,667	10,757	10,845	10,936

In case of rationing, the Agency will be able to use its customer database for implementing any possible water reductions.

4.1.1 Agricultural Sector

Agricultural water demand from AVEK's system is projected to have minimal growth in the next ten to fifteen years with a possible decrease over the next twenty to thirty years. The water deliveries indicated in Table 8 show consistent amounts through 2027. Agricultural land use within the Agency's area is currently increasing in quantity. Even so, it is projected that in the long term, more agricultural land will eventually be converted to urban uses.