

9.0 WATER USE BY CUSTOMER

Water Code

Section 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) multi-family, (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.

Zone 7 Water Agency is a water wholesaler and supplies treated water to retail water agencies for Municipal and Industrial (M&I) use. Zone 7 also serves untreated surface water directly to several agricultural and other smaller customers. In addition, Zone 7 serves treated water directly to an extremely small number of retail customers (significantly less than 3,000). The main Zone 7 retailers are Dublin San Ramon Services District (DSRSD), which serves Dublin and the Dougherty Valley development; City of Pleasanton Municipal Water Department, serving Pleasanton; and the California Water Services Company (CWS) and City of Livermore Municipal Water Department which together provide water service to Livermore.

As a wholesaler, Zone 7 does not have access to records of individual use such as single-family versus multi-family versus commercial use, for example. However, using estimates provided by local water retailing agencies, it appears that the percentage of residential water users varies from a low of about 60% in Pleasanton and DSRSD service areas to a high of about 75% in Livermore. The remainder of the water provided to the retail water suppliers makes up commercial, industrial, and institutional-governmental uses. There are no significant projected changes during the study planning period. Again, reference is made to specifics provided by retail water suppliers in individual UWMPs.

Per capita water use for each of Zone 7's major water retailers, as well as an overall service area use, is illustrated by Figure 6. More detailed information on retailer use is presented in UWMP's specific to each retailer.

Treated water demand is comprised almost entirely of water scheduled for delivery to the cities by the four major retailers. Zone 7 also provides water service to institutional users such as the Veterans Administration Medical Center and the Dublin Housing Authority. All treated water supplied by Zone 7 to the four major retailers is considered Municipal and Industrial (M&I) use.

Agricultural/non-potable water use is a small part of Zone 7's operation. There are currently 11 turnout customers who get water deliveries directly from the South Bay Aqueduct. Individual customers branch off the turnout customer systems and currently number 71. Non-potable water use is around 4,000 AFA with a potential of growing to 8,250 by year 2030.

Table 8. Zone 7 Water Demand. Units in acre-feet.

Deliveries to Retail Water Supply Agencies	Actual		Projected					
	2000	2004	2005	2010	2015	2020	2025	2030
City of Livermore	6,169	6,785	7,470	7,620	9,400	9,900	10,200	10,200
City of Pleasanton	13,938	15,614	15,670	18,320	21,800	22,700	23,400	23,400
California Water Service Company	7,802	8,994	8,470	10,320	12,600	13,200	13,650	13,700
Dublin-San Ramon Services District *	7,368	10,978	11,760	12,820	13,100	12,900	13,250	13,320
Direct Sales to Treated Water Customers	306	775	280	290	340	410	460	500
Total Treated Water Sales	35,583	43,146	43,650	49,370	57,240	59,110	60,960	61,120
No. of Non-Potable Customers**	10/47	11/65	11/71	12/80	12/90	12/100	12/100	12/100
Agricultural	5,899	3,530	3,900	8,250	8,250	8,250	8,250	8,250
Total Water Sales	41,482	46,676	47,550	57,620	65,490	67,360	69,210	69,370
Other Uses								
Artificial Recharge	8,000	10,600	9,000	15,000	20,000	20,000	25,000	30,000
SWP to Semitropic	3,740	5,166	5,166	5,000	5,000	5,000	5,000	5,000

Source: Zone 7 Annual Review of Sustainable Supply Report and Contractor Delivery Requests 2006-10

* Includes Deliveries to Dougherty Valley

** Number of Turnout Customers/Number of Individual Customers