

Table E-1 presents the water use and percent estimated irrigation use for each month.

Table E-1: Total Water Use (AFY) and Irrigation Use Estimate (%)

Month ¹	2007	2008	2009	2010	2011	2012	Average Monthly (AFY)	Monthly Irrigation Use (AFY)	Net Annual Irrigation Use (%)
January	600	360	493	573	578	510	519	0	0.0%
February	805	780	666	660	744	634	715	98	1.0%
March	594	923	816	629	503	806	712	95	1.0%
April	836	918	607	749	936	650	783	166	1.7%
May	804	504	678	781	678	N/A	689	72	0.7%
June	1,079	1,219	1,043	834	1,037	N/A	1,042	425	4.3%
July	615	810	714	593	514	N/A	649	32	0.3%
August	1,386	979	991	1,276	1,355	N/A	1,197	580	5.9%
September	884	799	1,007	596	801	N/A	817	200	2.0%
October	1,270	1,197	1,134	831	945	N/A	1,075	459	4.7%
November	502	861	707	715	700	N/A	697	80	0.8%
December	1,039	867	836	951	798	N/A	898	281	2.9%
Total	10,413	10,218	9,693	9,187	9,588	N/A	9,794	2,489	25.4%

Notes:

1. Monthly data represents the month in which the meter reading took place and may represent demands from the previous month, and in some cases, more than one month, which explains the alternating monthly high and low readings.

The average monthly water use is the average from 2007 to 2012 where data was available. This provides a breakdown of how water is distributed over the course of the year. In order to determine the net irrigation use, the two lowest consecutive water demand months were assumed to represent the months in which there is little to no irrigation demand, which in this case, was January (519 AFY) and February (715 AFY). The average of the two months was 617 AFY, which will be referred to as the baseline water demand. The monthly irrigation use is the results of the difference between the average monthly demand and the baseline (assuming all irrigation demands are greater than or equal to zero). The calculation is as follows:

$$\text{Average Monthly Demand (AFY)} - 617 \text{ AFY} = \text{Monthly Irrigation Use (AFY)}$$

The net annual Irrigation use (%) represents the percent of the annual irrigation represented by each month. The calculation is as follows:

$$\text{Monthly Irrigation Use (AFY)} \div 9,794 \text{ AFY} \times 100 = \text{Net Annual Irrigation Use (\%)}$$

The sum of the net annual Irrigation use (25.4%) is equivalent to the total monthly irrigation use divided by the total annual average demand (2,489 AFY ÷ 9,794 AFY). This value was applied to domestic water meters to estimate irrigation demand where no irrigation meters existing.

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