

WATER USE EFFICIENCY

SETTING THE DISTRICT'S CONSERVATION GOAL

Before January 22, 2008, Cross Valley Water District, along with all other public water providers in the State of Washington, will be required to set a goal for Water Use Efficiency, as required by the Municipal Water Law enacted in 2003. A Water Use Efficiency (WUE) Program will reduce average household or business water use in the District, in order to prolong the availability of water resources. The District has developed an attainable goal for water savings that will need to be reached collectively by you, our customers, and by District staff.

Background Information on Setting the Goal:

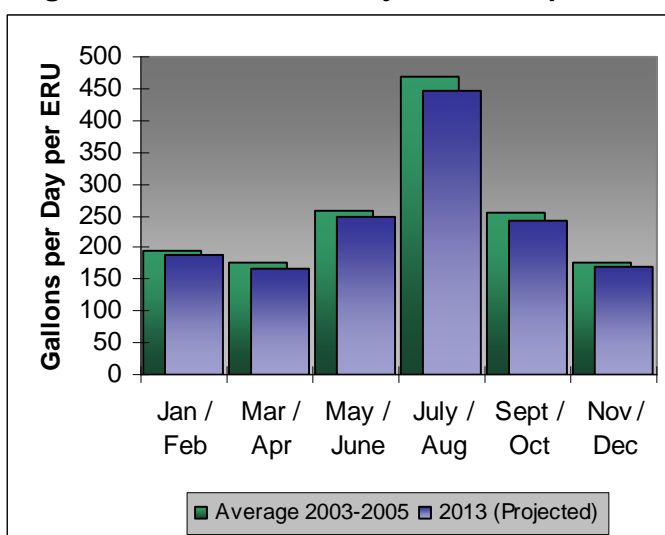
To calculate a reasonable savings in water usage, the District first looked at total customer consumption over the past five years. Figure 1 below shows the District's water use from 2001-2005, and Figure 2 below displays current and projected water use. There are two scenarios listed in the graph: the green bars in the rear show current water use at different times of the month, and bar bars in front shows projected water use in 2013 with the proposed WUE Program in place.

Figure 1: Historical Customer Consumption

Year	Total Customer Water Use (Million gallons)	Consumption by Customer Class (million gallons)		
		Single Family	Multi-Family	Commercial, Industrial & Government
2001	563.18	440.34	19.27	102.89
2002	588.25	479.63*	18.05*	85.85*
2003	659.99	535.55	19.18	102.06
2004	611.42	499.21	18.69	88.64
2005	568.69	465.24	18.44	78.59
Average	598.30	483.99*	18.72*	91.60*
Average % of Total Use		81%	3%	16%

* Estimated data

Figure 2: Historic and Projected GPD per ERU



The historic and projected customer consumption data displayed in Figures 1 and 2 does not include non-revenue water, such as water used for testing fire hydrants and flushing water mains to improve water quality, or water leaked from the system. In addition to the savings projected from participants in the conservation program, District staff will strive to minimize the amount of water used in day-to-day operations.

Cross Valley is a wholesale customer of the City of Everett, and as a customer, the District is included in their regional goal of reducing water use. Cross Valley has determined they can contribute to this regional goal by implementing at least 6 measures over the next 6 years. The 9 measures being considered are listed in Figure 3 on the back of this page.



THE GOAL
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“For the Everett Supply Area, Cross Valley Water District will allocate the necessary resources to support the City of Everett’s regional goal of saving 1.97 MGD through 2012 at cost of \$3.6 million or \$0.47 per CCF.”

“For areas served by wells, Cross Valley Water District will allocate the necessary resources to save 10 GPD per ERU through 2013. This represents a 3% reduction in daily consumption per ERU by 2013.”

The table below lists the measures adopted by the City of Everett and Cross Valley.

Figure 3: Cross Valley Water District’s Proposed WUE Program

Measure	Description	Average GPD Saved Per Unit
1. Public Education	School curriculum outreach and the demonstration garden educate customers on water saving behavioral tips.	-
2. Indoor Conservation Kits	Kits contain low-flow showerheads, bathroom aerators, and kitchen aerators.	9
3. Outdoor Conservation Kits	Kits contain automatic water timers, spray nozzles, and new rubber washers.	6
4. Leak Detection Program	Detection tablets indicate leaks in household fixtures and encourage repair.	2
5. Toilet Rebates	\$100 Rebate on low-flow toilets for residents and businesses	11
6. Washer Rebates	\$100 Rebate on water efficient clothes washers for residents and commercial Laundromats.	15
7. Business and School Audits	Indoor and outdoor audits determine ways schools and businesses can save water in landscape maintenance or in day-to-day operations.	339
8. Conservation Pricing	The District’s Increased Block Rate Structure discourages consumption.	-
9. Lawn Watering Schedule	This voluntary program designates what days certain households can water lawns to help mitigate peak demands.	-
Totals		382

The savings are based on participation from District customers. The expected savings from the Conservation Pricing, Lawn Watering Schedule, and Public Education Program is unknown at this time, but are proven measures that will continue to exist as part of the District’s comprehensive WUE Program.

Each year, Cross Valley Water District will evaluate progress towards meeting the previously stated WUE Conservation goal, and will notify the Department of Health and you, the customer, of their progress. If it is determined that the goal is not being met, Cross Valley will need to adjust its program or set a new goal with the help of further input from the public.

The District looks forward to hearing your comments at the public meeting scheduled for December 18th at 4 pm at the District Office. If you cannot attend the meeting, please contact the District if you have any questions or would like to comment on the goal and Water Use Efficiency program.