

Valley Water District

14515 Pioneer Way East, Puyallup, WA 98372
Telephone: (253) 841-9698 / Fax: (253) 770-8959

2019 Water Use Efficiency - Goal Setting

In 2003 the Washington State Legislature passed the Municipal Water Law to address the increasing demand on our state's water resources. The law established that all municipal water suppliers must use water more efficiently in exchange for water right certainty and flexibility to help them meet future demand. The legislature directed the Washington Department of Health (DOH) to adopt an enforceable Water Use Efficiency (WUE) program, which became effective on January 22, 2007.

One component of the rule requires that the District adopt water use efficiency goals through a public forum process every 6 years. This notice is intended to provide an update of the results since the last goal adoption and recommended goal setting for the next 6 years.

2013 – WUER Goal Results

Demand Side Goal - The “demand side” goal adopted in 2013 was to reduce residential consumption two percent (2%) over the next six years. As you can see from the chart below, VWD exceeded expectations for savings. The chart below lists the accomplishments of the District compared to when the goal was established:

	2018	2018 ERU's	2012 Gallons/ERU	2018 Gallons/ERU	Savings per ERU
Alderwood	18,270,648	249	230	206	11.6%
Buttes	33,367,244	375	N/A	250	N/A
Chinook	10,845,484	189	210	161	30.3%
Country/ Eldorado	28,668,570	378	252	213	18.3%
Puyallup Highlands	18,803,224	215	N/A	246	N/A
Sierra	10,172,052	152	N/A	188	N/A
Valley	63,981,912	915	225	196	14.6%
View Royal	39,745,176	629	200	177	12.7%
Winchester	2,205,852	34	215	182	18.0%
Total District ERU's		3136	District Average		17.6%

* Buttes and Sierra were not part of the VWD system 2012

*Puyallup Highlands was being built, accurate ERU/usage data not available for 2012

Supply Side Goal – The supply side goal adopted in 2013 was to reduce Distribution System Leakage (DSL) to less than ten percent (10%) over the next twenty years in all systems. Although there are still four (4) systems above the target DSL % the District total average is now under 10%.

	DSL %
Alderwood	16.95%
Buttes	1.69%
Chinook	15.41%
Country/Eldorado	10.28%
Puyallup Highlands	3.16%
Sierra	2.22%
Valley	15.82%
View Royal	8.74%
Winchester	N/A
Average of all systems	9.28%

WUER Mandatory Measures –

Below are updates on the Additional Mandatory requirements for the WUER:

1. **Install source production meters** – COMPLETED for all systems
2. **Install consumption meters (service)** – COMPLETED for all systems
3. **Perform meter calibration** – The District completes these as needed. The District will also evaluate system wide meter replacement projects as needed and will continue to update all district meters to radio read.
4. **Implement a Water Loss Control Action Plan** - Not Applicable, DSL less than 20%.
5. **Educate customers about water use efficiency practices** – The District website provides conservation measures as well as links to educational sites relating to efficient use of water. Educational material is also available at the District office along with conservation devices such as water efficient shower heads and hose spray nozzles.

NEW GOAL SETTING

The District will conduct a public forum at the Valley Water District office on August 6, 2019 at 7:00 p.m. (at the regularly scheduled public meeting) to discuss the recommended WUER goals and to receive public input related to water use efficiency and goal setting.

Taking in to account the success of the measures and goals adopted in 2013, staff recommendation is to adopt of the same goals for the next 6 year period.

Demand Side Goal – Reduce residential consumption two percent over the next six years.

Supply Side Goal – Reduce DSL to less than ten percent in all systems over the next twenty years.

Additional Measures – The District will continue to implement the practices below as efforts to achieve the adopted goals:

1. Evaluation and continuation of the tiered water consumption rate structure to promote conservation.
2. Continue annual newsletters and WUER reporting with tips and educational information to encourage water conservation
3. Continue providing education material through the District website and at the District office
4. Continue providing free high efficiency shower heads, hose nozzles and/or other water saving devices to customers in the District office.