2021 Annual Water Use Efficiency Performance Report

In 2003, the Washington State Legislature passed the Municipal Water Law (House Bill 1338), 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 meet future needs. The Legislature directed the Department of Health to adopt an enforceable Water Use Efficiency program which became effective on January 22, 2007.

The WUE program requires water systems to manage water loss, and pay attention to their usage patterns by reporting annually to the State Health Department, system customers, and the public.

The District has several programs in effect to promote conservation.

- **The District's water commodity rate is tiered so that the more water that is used the greater the cost.**
- **The voluntary *Odd/Even Outdoor Watering Schedule* is promoted in the summer months. Compliance reduces the strain on water system supply.**
- ***FREE* water conservation devices and water-saving documents are available at the District office.**
- **All of the District's water service connections are metered.**

The summary results for the 2021 reporting period for each of the District's water systems are presented in the table below. The District adopted new WUE Goals in 2019 to reduce DSL to less than ten percent in all systems over the next twenty years and to reduce residential consumption by two percent over the next six years. The District's progress on the adopted goals is reported to the Department of Health annually. If you have any questions about the Water Use Efficiency law, or would like additional information on each system's progress towards the goals, please contact Sean Vance, District Manager at 253-841-9698 or email sean@valleywaterdistrict.com.

System Name	12-month WUE Reporting Period	Total Water Produced & Purchased (TP) – Annual Volume	Authorized Consumption (AC) – Annual Volume	Distribution System Leakage – Annual Volume **TP - AC**	Distribution System Leakage – % **DSL = [(TP - AC) / TP] x 100** %
Alderwood	1/5/21 - 1/2/22	24,596,402 gallons	19,805,544 gallons	4,790,858 gallons	19.48 %
Buttes	1/5/21 - 1/6/22	37,657,800 gallons	35,703,024 gallons	1,954,776 gallons	5.19%
Chinook	2/2/21 - 2/1/22	13,555,700 gallons	11,046,052 gallons	2,509,648 gallons	18.51 %
Country/Eldorado	2/3/21-2/2/22	33,412,856 gallons	29,772,968 gallons	3,639,888 gallons	10.89 %
Puyallup Highlands*	1/7/21 - 5/7/21	5,822,409 gallons	5,434,220 gallons	388,189 gallons	6.67 %
Sierra**	2/4/21—2/4/22	11,100,200 gallons	11,167,922 gallons	-67,722 gallons	-.61%
Valley	1/5/21—1/4/22	89,334,846 gallons	80,871,508 gallons	8,463,338 gallons	9.47 %
View Royal	2/3/21—2/3/22	52,767,492 gallons	45,389,189 gallons	7,378,303 gallons	13.98 %
Winchester	2/2/21—2/3/22	2,603,538 gallons	2,304,588 gallons	298,950 gallons	11.48 %

***Puyallup Highlands is included in The Valley system after the 5/7/21 reading when they were switched over to the Valley Reservoir.**

****The Sierra system experienced a failure in the source water metering process resulting in an inaccurate "Total Water Produced" quantity, which in turn incorrectly showed negative distribution leakage.**

2022 Odd/Even Summer Watering Schedule Recommendation

During the summer months, when water consumption increases, the ***water supply*** is often at its lowest. Long periods of high demand, such as during a summer drought, can endanger the supply of water. Well performance and water system reliability also decline when a water source is stressed by prolonged and excessive usage.

The District recommends that customers voluntarily follow an ***Odd/Even Summer Watering Schedule*** as an effective conservation tool.
An odd/even schedule simply means if your house address ends in an odd number, you use water outdoors on odd calendar dates, and if your house number is even, you plan your outdoor watering for even numbered dates.
A mandatory odd/even schedule would be the first method put into effect if adequate water supply becomes threatened by high demand.
Putting water conservation strategies to work all year long is necessary prevention to protect your water system from reaching the point of water shortage. ***Visit www.wateruseitwisely.com for more great water saving tips!***