Washington State Department of Health
Division of Environmental Health
Office of Drinking Water

Date Submitted: 4/10/2024

Water Use Efficiency
Annual Performance Report - 2023

WS Name: OLYMPIC WATER & SEWER INC

Water System ID# : 68700 WS County: JEFFERSON

Report submitted by: *Jason White*

Meter Installation Information:

Estimate the percentage of metered connections: *100%*

If not 100% metered – Did you submit a meter installation plan to DOH? No

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period *12/13/2022* To *12/20/2023*

Incomplete or missing data for the year? *No*

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	*122,055,648*	gallons	
Authorized Consumption (AC) – Annual Volume in gallons	*112,788,788*	gallons	
Distribution System Leakage – Annual Volume TP – AC	*9,266,860*	gallons	
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	*7.6 %*		
3-year annual average - %	*8.7 %*		*2021, 2022, 2023*

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: *10/30/2023*

Has goal been changed since last performance report? *Yes*

Note: Customer goal must be re-established every 6 years through a public process.

Customer WUE Goal (Demand Side):

Maintain distribution system leakage (DSL) at less than 9 percent of total production, as calculated on a rolling 3-year average.

Maintain an average day demand Equivalent Residential Unit (ERU) water use factor of less than 170 gpd.

Customer (Demand Side) Goal Progress:

DSL was only 7.6% lowering it by .4% from the previous year. This has brought the rolling 3yr average down to 8.7%. The daily demand per ERU was 174gpd, an increase of 5gpd over last year. 174gpd is under the previous consumer goal of 185gpd but there is work to be done to reach the new customer goal of under 170gpd. Multiple homeowners and their respective associations have adopted conservation methods that included eliminating irrigation systems for decorative and ornamental vegetation and instead opting for native species landscaping.

Additional Information Regarding Supply and Demand Side WUE Efforts

OWSI has made a priority of maintaining an unaccounted water loss below 9%. OWSI is committed to lowering its running three year unaccounted water average that had been trending towards 10% for several years.

OWSI is currently undergoing a system wide meter replacement program. New electronic radio meters have a 25-year battery life and can be interrogated for historical data.

OWSI has an inclining block rate structure that charges customers a higher unit cost for increasing units of consumption.

OWSI strives to reduce supply side water loss through leak detection and repair. OWSI responds to obvious leaks as soon as they are reported and confirmed. For suspected leaks, OWSI uses a listening device to attempt to confirm water leaks. When there are confirmed water leaks, OWSI expedites its resources to repair the leak in a timely manner.

Describe Progress in Reaching Goals:

- Estimate how much water you saved.
- Report progress toward meeting goals within your established timeframe.
- Identify any WUE measures you are currently implementing.
- If you established a goal to maintain a historic level (such as maintaining daily consumption at 65 gallons per person per day for the next two years) you must explain why you are unable to reduce water use below that level.

OWSI realized a decrease of unaccounted water by .4% over the previous year, which has led to a 3-year annual average of 8.7% which meets the community goal of under 9%. OWSI continues to adhere to its meter replacement campaign to install new electronic end use and supply meters. OWSI has identified several neighborhoods for preemptive service line replacement before leaks can occur.

The following questions will help DOH better understand water usage, water resources management and drought response. The data will be used to provide technical assistance, not for regulatory purposes.

All questions are voluntary

Month	Date of Measurement	Static Water Level (feet below measuring point)	Dynamic Water Level (feet below measuring point)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Water level data:

Please provide the following information (if known) to help us better utilize the water level data.

Well tag Id number:

Well depth:

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc…)

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface)

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7)

Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)?

Month	Volume of Water Produced in gallons
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Water shortage response:

Did you activate any level of water shortage response plan the previous year?

☐ Yes ☐ No ☐ There was no need to

If you activated a water shortage response plan the previous year, what level did you activate? (Check all that apply)

☐ Advisory Conservation ☐ Voluntary Conservation

☐ Mandatory Conservation ☐ Rationing ☐ Other

What factors caused your water shortage the previous year?

☐ Drought ☐ Fire ☐ Landslides ☐ Earthquakes

☐ Flooding ☐ Water Supply Limitations ☐ Other

Do not mail, fax, or email this report to DOH