



Date Submitted: 6/15/2021

## Water Use Efficiency Annual Performance Report - 2020

WS Name: OLYMPIC WATER & SEWER INC

Water System ID# : 68700      WS County: JEFFERSON

Report submitted by: *Greg Rae*

### 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      *12/17/2019* To *12/14/2020*

Incomplete or missing data for the year?      *No*

If yes, explain:

<b>Total Water Produced &amp; Purchased (TP)</b> – Annual volume gallons	<i>101,440,438</i> gallons
<b>Authorized Consumption (AC)</b> – Annual Volume in gallons	<i>93,221,618</i> gallons
Distribution System Leakage – Annual Volume TP – AC	<i>8,218,820</i> gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	<i>8.1 \%</i>
3-year annual average - %	<i>9.3 \%</i> <i>2018, 2019, 2020</i>

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: *02/10/2015*

Has goal been changed since last performance report?      *No*

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

### Customer WUE Goal (Demand Side):

*Maintain an average day demand Equivalent Residential Unit (ERU) use factor of less than 185 gpd.*

### Customer (Demand Side) Goal Progress:

In 2020 the average daily demand was 145 gallons per day per ERU. There was a reduction of 10,941,708 gallons pumped from the wells and a reduction of authorized usage of 8,980,908 gallons.

These reductions are a result of the closing of several commercial institutes due to COVID 19 mandates. We anticipate an increase in total water usage in 2021 and usage per ERU due to the opening of these facilities.

### Additional Information Regarding Supply and Demand Side WUE Efforts

*OWSI has lowered it unaccounted for water usage to 8.1% in 2020.*

*There will be continual effort made to reduce that percentage through water system inspections and water production monitoring.*

### 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.

*There was a decrease in unaccounted water of 1,960,800 in 2020 compared to 2019.*

*OWSI has began a program to replace existing positive displacement water meters with ultrasonic water meters that will meter water accurately to a much lower flow rate. This will capture unaccounted for water.*

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**