



Date Submitted: 4/29/2021

Water Use Efficiency Annual Performance Report - 2020

WS Name: PUYALLUP CITY OF

Water System ID# : 70050

WS County: PIERCE

Report submitted by: *Craig Hale*

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 01/01/2020 To 12/31/2020

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons 1,391,821,000 gallons

Authorized Consumption (AC) – Annual Volume in gallons 1,260,520,790 gallons

Distribution System Leakage – Annual Volume TP – AC 131,300,210 gallons

Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$ 9.4 %

3-year annual average - % 9.2 % 2018, 2019, 2020

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 08/08/2018

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):

Over the 10-year period beginning in 2018, reduce the customer consumption per Equivalent Residential Unit (ERU) by 1 gpd per year.

Customer (Demand Side) Goal Progress:

ERU consumption for 2020 was 174 gpd/ERU, compared to 175 gpd/ERU in 2019, and 177 gpd/ERU in 2018. This 1 gpd/ERU reduction saved about 3.46 million gallons of water in 2020. The City employs the following WUE measures: Automated meter reading, Annual meter replacement program, Bills showing consumption history, Conservation rate structure, Construction requirements, Customer education, Customer leak detection, Irrigation management, Landscape management, Leak detection surveys, and Program promotion.

Additional Information Regarding Supply and Demand Side WUE Efforts

The City's supply-side goal is to reduce distribution system leakage to a 3-year average of 9.0 percent by 2022.

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.

The City's DSL on a percentage basis increased to 9.4% in 2020 from 9.1% in 2019 and 9.2% in 2018. For 2020 the 3-year rolling average is 9.2%.

The City implemented a system-wide fixed base automated meter reading system in 2011 and improved the system software in 2019.

The City continues to replace a significant number of water meters each year in an effort to capture under-registered water, including 271 residential and commercial meters in 2020.

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			