



Date Submitted: 6/29/2018

Water Use Efficiency Annual Performance Report - 2017

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 fully metered - Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: *01/01/2017 To 12/31/2017*

Incomplete or missing data for the year? *No*

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	<i>1,414,503,000</i> gallons
Authorized Consumption (AC) – Annual Volume	<i>1,260,612,016</i> gallons
Distribution System Leakage – Annual Volume TP – AC	<i>153,890,984</i> gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	<i>10.9 %</i>
3-year annual average	<i>10.8 %</i>

Goal-Setting Information:

Date of Most Recent Public Forum: *06/07/2011* Has goal been changed since last performance report? *No*

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

WUE Goals:

Customer Goal (Demand Side):

Reduce ERU Consumption by 2 gpd/ERU per year through the year 2015.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

ERU consumption for 2017 was 179 gpd/ERU compared to 172 gpd/ERU in 2016, 184 gpd/ERU in 2015, and 183 gpd/ERU in 2014.

A public forum will be conducted to set a new goal within the next six months. The new goal will be reported to DOH.

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

Include any other information that describes how you and your customers use water efficiently:

The City's supply-side goal is to reduce distribution system leakage to meet the DOH requirement of a 3-year rolling average of 10% or less. The City's DSL on a percentage basis decreased to 10.8% in 2017 from 11.6% in 2016. In 2017 the 3-year rolling average has increased to 10.8%, exceeding the goal of 10% or less.

The City implemented a system-wide fixed base automated meter reading system in 2011.

The City continues to replace a significant number of water meters each year in an effort to capture under-registered water, including 147 meters in 2017, mostly on services 1" and larger.

The City implemented additional leak detection in 2017 in an effort to determine the source of the increasing DSL. All leaks found in detection have been repaired.

The City may implement further study of consumption data reporting methodology and transmission main DSL in 2018.

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