

Annual Water Use Efficiency Performance Report Form

Please refer to the [Getting Started: Water Use Efficiency Guidebook](#)

Today's Date: 6/9/2016

General System Information

System Name: PUYALLUP, CITY OF
 System ID #: 70050
 County: PIERCE
 Your Name: Craig Hale
 Your Title: Water Division Supervisor
 Your Email Address: craig@ci.puyallup.wa.us
 Your Phone Number: (253) 841-5503

Meter Installation Information

Estimate the percentage of metered connections: 100%
 Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information

Reporting Year: 2015
 12-Month WUE Reporting Period: January 01, 2015 to December 31, 2015
 Incomplete or missing data for the year? No
 If yes, explain:

Distribution System Leakage Summary			
Total Water Produced and Purchased (TP) - Annual Volume	1,385,622,000	Gallons	
Authorized Consumption (AC) - Annual Volume	1,247,318,228	Gallons	
Distribution System Leakage - Annual Volume TP - AC	138,303,772	Gallons	
Distribution System Leakage - Percent DSL = [(TP - AC) / TP] x 100	10	%	
3-Year Annual Average - Percent	8.8	%	2013, 2014, 2015

Goal-Setting Information

Date of most recent public forum: June 07, 2011
 Has goal been changed since last WUE report? No
 Demand Side Goal: Reduce ERU Consumption by 2 gpd/ERU per year through the year 2015.
 Demand Side Goal Progress: ERU consumption for 2015 was 184 gpd/ERU compared to 183 gpd/ERU in 2014, 176 gpd/ERU in 2013, and 179 gpd/ERU in 2012. After years of decline, the ERU consumption has increased in 2014 and 2015. The cause of this increase is unclear, but may be related to record warm temperatures over the past two years. A new goal and new public forum will be required for the 2016 reporting year. 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: 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 increased to 10.0% in 2015 from 8.0% in 2014 and 8.5% in 2013. In 2015 the 3-year rolling average has decreased to 8.8%, meeting 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 137 meters in 2015. In 2011 the City also expended significant effort in reviewing the production and consumption data for the DSL calculations. This effort revealed historic inaccuracies in the calculations due to consumption data reporting methodology related to the City's utility billing cycles. The City is taking measures to improve consumption data reporting methodology, which was reflected in the improved DSL for the 2013 and 2014 reporting years. The City may implement additional leak detection in 2016 in an effort to determine the source of the increasing DSL.