



Date Submitted: 4/23/2019

Water Use Efficiency Annual Performance Report - 2018

WS Name: Auburn City of

Water System ID# : 03350

WS County: KING

Report submitted by: Susan Fenhaus

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: 01/01/2018 To 12/31/2018

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	2,464,381,000 gallons
Authorized Consumption (AC) – Annual Volume	2,446,348,600 gallons
Distribution System Leakage – Annual Volume TP – AC	18,032,400 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100	0.7 %
3-year annual average	3.4 %

Goal-Setting Information:

Date of Most Recent Public Forum: 10/25/2014 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):

1 percent reduction per year in equivalent residential unit values over 6-year planning period (2015-2020).

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

In 2018, The City gave away 40 low flow shower heads and processed 13 applications for WaterSense® toilet rebates for an estimated consumption savings (reduction) of 252,400 gals/year.

The goal of 1 percent reduction per year in equivalent residential unit (ERU) values over the 6-year planning period was adopted on 10/25/2014. The change of ERU values from year 2017 to 2018 was 175 to 193, a 10.3% increase, it appears that the value of 170 for year 2016 is the lowest value achieved so far.

The City continued to implement WUE program measures such as in school education program, theme shows/fairs such as Kids Day, speakers' bureau, program promotion, bills showing consumption history, water saving device kits and conservation pricing.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

In 2018, the City continued efforts to reduce unaccounted-for water, performing leak detection and repair, metering hydrant use and repairing breaks. As a result, the Distribution System Leakage for 2018 was 0.7%, below the 10% target. The rolling 3-year average was 3.4%, meeting the WUE rule of at or below 10%.

In 2018, the City continued to implement the WaterSense® toilet rebate program, providing customers a \$100 rebate per toilet for the replacement of up to two old toilets with new high efficiency toilets with the WaterSense® label.

The City continued to implement the low flow shower head giveaway program, providing free low flow shower heads so that customers could replace their higher flow ones.

The City continued to perform large meter consumption and meter register checking and calibration.

The City continued to educate customers about water use efficiency practices.

The City continued to encourage the use of water conserving plants in landscaping for both public and private projects.

The City continued to use an inclining block rate for the quantity of water consumed to promote water conservation and customer notification of any high or abnormal water consumption.

The City continued to utilize the AMI (Advanced Metering Infrastructure) system to better understand usage, proactively and more efficiently and effectively manage the water resources and respond better to customers. The City completed the replacement of all small and large water meters in 2017 as part of the AMI implementation.

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