



Date Submitted: 6/30/2016

Water Use Efficiency Annual Performance Report - 2015

WS Name: QUILCENE

Water System ID# : AB292

WS County: JEFFERSON

Report submitted by: *William Graham*

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: 12/17/2014 To 12/15/2015

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	2,384,400 gallons
Authorized Consumption (AC) – Annual Volume	2,072,670 gallons
Distribution System Leakage – Annual Volume TP – AC	311,730 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100	13.1 %
3-year annual average	15.9 %

Goal-Setting Information:

Date of Most Recent Public Forum: 12/15/2010 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 residential customer demand by 2% over 6 year planning period (2011 - 2017). Reduce state and local governmental demand by 2% over planning period (2011 - 2017).

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

Customer usage in Quilcene was up significantly in 2015 compared to 2014 and over 1/2 million gallons above the 2011 baseline. The excessive leakage is likely due to inadequate reporting of usage by the fire district and possible theft via hydrants. Recent improvements in communications with the fire district should help the system become complaint in the future. This system has been slow to come into compliance as it has had unaccounted for water issues since it was installed in 2004. On the customer side, Quilcene experienced a very warm spring and summer that likely influenced usage. The PUD advertised and gave away low flow showerheads at its two offices and at local events. Also made available conservation kits that included low flow fixtures such as faucet aerators. Tiered conservation rates have been in place for the duration of the planning period. A conservation article was written and distributed in local paper about the drought and need for conservation and the PUD participated and presented at a community open house in July with state and local agencies about the drought.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

The Quilcene water system is a high PUD priority for getting below the state leakage standard and has made improvements in its percent leakage over the last few years. In 2014, the percent leakage was 14.2 %. In 2015, it was 13.1% significantly dropping the 3 year average from 22.4% to 15.9%. The system should be fully within the state leakage standard of 10% within the next 3 years. This will be a top consideration when the water conservation plan is updated later in 2016.

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