



Date Submitted: 6/29/2017

Water Use Efficiency Annual Performance Report - 2016

WS Name: JEFFERSON COUNTY LUD #3

Water System ID# : 00058

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: 12/15/2015 To 11/02/2016

Incomplete or missing data for the year? Yes

If yes, explain:

LUD# interconnected with Quimper water system in Fall 2016. LUD#3 became inactive 11/02/2016.

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	13,576,020 gallons
Authorized Consumption (AC) – Annual Volume	13,405,840 gallons
Distribution System Leakage – Annual Volume TP – AC	170,180 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	1.3 %
3-year annual average	3.4 %

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:

LUD#3 customers used nearly a million gallons less of water purchased from the City of Port Townsend than in 2016. However, this was because the City moved its treatment into Port Townsend and LUD#3 customers joined the Quimper water system in the fall. This greatly complicated assessing customer use progress per system or per customer over a 12 month period. Usage in 2016 - if it were a full 12 month period - would be expected to be less than in 2015 due to that year's unusually hot, dry spring and summer (State declared drought). Over the course of the 2011-2017 planning period measures available to LUD#3 customers included conservation kits and low flow showerhead giveaways at office and fairs, conservation education billing inserts, web pages and tiered conservation water rates and graphics showing use on statements. In the last two years, rebates have been available for clothes washers and showerheads. Of these measures, the tiered rates and graphics showing usage have been active consistently over the entire planning period while others have been intermittently deployed, most often during drought. Water conservation goals for LUD#3 will be re-evaluated when the PUD updates the Quimper water system plan in 2018.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

Regardless of the change over to the Quimper water system, LUD#3 remained one of our most water efficient systems from a supply side. The system was always maintained under a 10% leakage standard which was the goal. Crews have always sought to fix leaks when identified and unauthorized usage has always been minimal to nonexistent. This bodes well for the permanent intertie into the Quimper water system which itself is already a very efficient system with minimal leakage. All future reports for the customers in LUD#3 will be Quimper water system WUE reports. Water use efficiency goals will be re-evaluated in 2018 when the PUD is scheduled to update its water system plan.

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