



Date Submitted: 6/30/2016

Water Use Efficiency Annual Performance Report - 2015

WS Name: Coyle

Water System ID# : 36711

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: 12/16/2014 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	4,170,000 gallons
Authorized Consumption (AC) – Annual Volume	1,987,170 gallons
Distribution System Leakage – Annual Volume TP – AC	2,182,830 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	52.3 %
3-year annual average	52.9 %

Goal-Setting Information:

Date of Most Recent Public Forum: _____ 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 customer demand by 2% during the 2011 - 2017 planning period.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

On the customer side, the Coyle system used only about 15,000 gallons more in 2015 than in 2014. Coyle did not become a PUD water system until late 2012 so it effectively has a water use goal baseline for 2013, the first full year under PUD operational management. Relative to 2013, Coyle customers in 2015 used almost 700K gallons less. This might have been due to the change in rates between those two periods. Customers likely maintained their usage to prevent their lawns and gardens from dying.

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:

While the Coyle Water System has been a new addition to our family of water systems, its issues are unlike our other systems in terms of leakage. Crews have been trying to isolate leakage in the system since it was purchased. Once a leak is found and fixed, often times a new one occurs downstream like a game of infrastructure "whack a mole". Each time we appear to fix the main lines of the system, it gets even worse. In 2015, we sold about as much water as leaked from the system. This is unacceptable. But the remote nature of this system and its materially flawed infrastructure presents significant resource challenges for the PUD. Leakage reduction goals must be made appropriately. While this is not official, a reasonable goal to present to the PUD board for approval would be to get under the state 10% leakage standard by 2020 and under 10% leakage 3 year average in 2022.

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