



Date Submitted: 6/20/2017

## Water Use Efficiency Annual Performance Report - 2016

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: 12/15/2015 To 12/15/2016

Incomplete or missing data for the year? No

If yes, explain:

### Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	4,664,000 gallons
Authorized Consumption (AC) – Annual Volume	1,895,740 gallons
Distribution System Leakage – Annual Volume TP – AC	2,768,260 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100	59.4 %
3-year annual average	52.6 %

### 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:

*Coyle customers saved almost a 100,000 gallons in 2016 compared to 2015 or a reduction of 4.6%. This is on target for saving 2% over the rate period (2011 - 2017). The PUD has implemented myriad conservation measures to incentivize conservation. The PUD has used a tiered water rate since it took over the system in 2012-2013. Other measures include conservation notices, education outreach through website, showerhead and clothes washer rebates and conservation giveaways at office and local events.*

## Additional Information Regarding Supply and Demand Side WUE Efforts

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

*The Coyle water system was in the 50% leakage range when the PUD took over the system years ago and has struggled mightily since then to tighten the system to state compliance standards. Getting the system to a 10% or lower leakage rate has been and will continue to be the primary supply side goal of operations. Several factors have contributed to losses within the system, the primary culprit is the system infrastructure itself. Much of this system we inherited had inferior water lines that were either glued together or were improperly installed. The aging system is falling apart slowly. Often when crews repair a water main leak another will appear downstream. Ultimately, most of the system's water lines will likely need to be replaced in order to get the system within compliance. While numerous leaks have been repaired within recent months and crews work hard to address them when identified, the expectation is that it may take many years to fix. Other possible losses could come from theft from hydrants, however the losses appear consistent month to month which implies the losses are due to leakage.*

*Conservation goals will be re-evaluated according to our water system plan update work schedule slated for 2018.*

**Do not mail, fax, or email this report to DOH**