



Date Submitted: 6/6/2017

Water Use Efficiency Annual Performance Report - 2016

WS Name: BYWATER BAY

Water System ID# : 02043

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	16,761,640 gallons
Authorized Consumption (AC) – Annual Volume	16,218,110 gallons
Distribution System Leakage – Annual Volume TP – AC	543,530 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100	3.2 %
3-year annual average	3.3 %

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):

Goal was mistakenly left undefined last year. It was and is to reduce residential customer demand by 2% over 6 year planning period (2011 - 2017) Reduce state and local governmental demand by 2% over planning period.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

2016 was a much more "normal" weather year. In 2015, customer usage was very high likely just to keep landscaping alive and was not a good year to assess conservation progress. Relative to 2009 the last full year of data prior establishing the last water conservation goals, there has been a drop of about 4% in water use or twice the established goal for customers. Relative to the prior year (2015), usage was down in 2016 by over 2.5 million gallons, down 14%. All in all, Bywater has done well to achieve the customer goal of 2% drop in usage over planning period. Current water conservation measures include rebates on showerheads and water efficient clothes washers, conservation item giveaways at local fairs and events and a 2 tiered water rate structure. The PUD will re-establish its water conservation goals in 2018 in conjunction with its next scheduled water system plan update.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

Crews have been quick to identify and eliminate leaks. Backwash is metered. Overall system leakage has dropped to 3.2%. Usage per customer has always been higher in Bywater Bay compared to our other systems, largely due to landscape irrigation. Homes are relatively new so landscapes are starting to mature and require less water. While 2016 is a comparatively massive success story relative to 2015, the overall trend toward greater water conservation has been evident.

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