



Date Submitted: 6/30/2016

Water Use Efficiency Annual Performance Report - 2015

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: 12/15/2014 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	18,610,430 gallons
Authorized Consumption (AC) – Annual Volume	18,330,250 gallons
Distribution System Leakage – Annual Volume TP – AC	280,180 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	1.5 %
3-year annual average	4.1 %

Goal-Setting Information:

Date of Most Recent Public Forum: 12/15/2010 Has goal been changed since last performance report? Yes

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:

Customers consumed more water than conserved in 2015 due in large part to an early spring and long hot summer. Drought conditions persisted for much of the latter half of the year. Early, persistent heat likely forced property owners into watering landscapes more simply to prevent them from dying.

The PUD advertised and gave away low flow showerheads at its two offices and at local events. It 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. Despite these conservation efforts, it did not lead to water savings.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

Bywater Bay has remained fairly "tight" and continues to drop further below the state's 10% leakage standard dropping its 3 year average from 4.5% to 4.1%. The Bywater system likely has the largest landscaping demand of all the PUD systems in area irrigated per customer. Due to the degree of spring and summer heat in 2015, the larger usage is likely attributable to customers concerns about the health of their yards and gardens. In 2016 when we re-examine our conservation planning, we will need to account for this landscape usage in Bywater Bay and set customer goals accordingly.

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