



Date Submitted: 6/29/2011

Water Use Efficiency Annual Performance Report - 2010

WS Name: JEFFERSON COUNTY LUD #3

Water System ID# : 00058

WS County: JEFFERSON

Report submitted by: *William Graham*

Meter Installation Information:

Is your water system fully metered? Yes

If not fully metered - Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: 01/01/2010 To 12/31/2010

Incomplete or missing data for the year? Yes

If yes, explain:

Early in the summer of 2010, the source meter that measured the wholesale water from the City of Port Townsend were in error. The meter results from September 2010, in particular were wildly different from the previous year due to a change over in cubic feet to gallons. JPUD and the City of Port Townsend reconciled the differences and the results below reflect those adjustments.

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	12,970,669 gallons
Authorized Consumption (AC) – Annual Volume	11,750,677 gallons
Distribution System Leakage – Annual Volume TP – AC	1,219,992 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	9.4 %
3-year annual average	5.9 %

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):

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:

In 2010, customer demand overall in the South Hastings Loop water system (aka Jefferson LUD 3) was down substantially (14%) from 2009. Production was down less (about 5%). A greater drop in demand over production suggests that customers used less water in 2009 per gallon produced. The 14% drop in demand represents about 1.9 million gallons in savings compared to 2009. While this is a major jump to our goal, it was largely due to a cool spring and summer. Currently we are offering outdoor and indoor conservation kits at the office and at local fairs. Annually we submit a conservation flier with helpful tips and topical water resource information. As of 2004 we have provided detailed water use information on customer bills each month to better inform customers of their water usage.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

Supply Side

1) Get all systems under the state 10% leakage standard, and 2) Improve backwash, flushing and fire hydrant accounting. Both of these can be measured via the leakage value. Backwash, flushing and fire hydrant accounting when tabulated will lower leakage and help JPUD get below the state leakage standard (10% or lower).

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