



Date Submitted: 6/28/2011

Water Use Efficiency Annual Performance Report - 2010

WS Name: BINGEN WATER DEPT

Water System ID# : 06900

WS County: KLICKITAT

Report submitted by: *Jan Brending*

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: 12/24/2009 To 12/21/2010

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	102,018,190 gallons
Authorized Consumption (AC) – Annual Volume	47,280,559 gallons
Distribution System Leakage – Annual Volume TP – AC	54,737,631 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	53.7 %
3-year annual average	43.8 %

Goal-Setting Information:

Date of Most Recent Public Forum: 12/16/2008 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 consumption by 10% over the 20-year planning period by 2028.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

The City of Bingen instituted a new rate structure in January 2010 in which customers pay for all water used. The more water a customer uses the higher the price. There was a 2.19% decrease in water consumption from 2009 to 2010 or 1,051,473 gallons. The City provides education information to it's customers through a newsletter (used to publish the city's water quality report each year) and through utility billing mailers. This education stresses the need to conserve water and identifies conservation measurements and uses in households that use a lot of water.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

The city has established a goal to reduce its distribution system leakage to 10 percent by July 1, 2011. The city will not meet this goal. The city conducted a leak detection survey in July 2010. This survey identified several small leaks that were immediately repaired. However, the amount of water attributed to these leaks do not account for the amount of water that is not accounted for. The city has now established a spreadsheet that tracks water production/purchases and consumption. Information on 2010 was recently completed and indicates the city appears to have a problem. The city is currently investigating the rise in distribution system leakage to determine if a source meter is the problem or if it has a significant leak in the system that is not readily apparent.

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