



Date Submitted: 6/17/2010

## Water Use Efficiency Annual Performance Report - 2009

WS Name: BINGEN WATER DEPT

Water System ID# :06900

WS County: KCLICKITAT

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: 01/01/2009 To 01/31/2009

Incomplete or missing data for the year? No

If yes, explain:

### Distribution System Leakage Summary:

|   |                    |
|---|--------------------|
| Total Water Produced and Purchased (TP) – Annual Volume                   | 78,340,328 gallons |
| Authorized Consumption (AC) – Annual Volume                               | 47,973,554 gallons |
| Distribution System Leakage – Annual Volume TP – AC                       | 30,366,774 gallons |
| Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$ | 38.8 %             |
| 3-year annual average   | %                  |

### 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 did not show a savings in water but actually an increase (12.93%). The city is in the process of trying to account more accurately for the water produced/purchased and consumed. The city is replacing meters that have not operated at all or incorrectly in the past which accounts for the increase in 2009 of water consumption. The city's records will likely continue to show an increase in consumption as it makes changes to how meters are repaired/replaced and how meters are read each month. In order to more accurately record water consumption, meters are now being read each month. The city previously (2008 and part of 2009) did not read residential meters during the winter months (November through March). 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 has signed a contract to conduct a leak detection survey in July 2010. In addition, the city is aggressively replacing meters and begun reading meters on a monthly basis. The city intends to develop a spreadsheet that will help track on a monthly basis water produced and water consumed to help determine when problems might be occurring. Depending on the outcomes of the city's leak detection survey, the city may begin focusing on certain areas of the city, including industrial properties, to insure that all water usage is being accurately metered. Because the city's distribution system leakage is so high it is difficult to determine if the city is actually saving in consumption of water.*

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