



Date Submitted: 6/26/2012

Water Use Efficiency Annual Performance Report - 2011

WS Name: BLACK DIAMOND WATER DEPT

Water System ID# : 07220

WS County: KING

Report submitted by: Dan Dalsanto

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: 12/28/2010 To 12/27/2011

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	73,451,000 gallons
Authorized Consumption (AC) – Annual Volume	63,219,277 gallons
Distribution System Leakage – Annual Volume TP – AC	10,231,723 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	13.9 %
3-year annual average	17.0 %

Goal-Setting Information:

Date of Most Recent Public Forum: 09/17/2009 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):

The city is planning to reduce the average residential consumption by approximately 1 gallons per day in the next 2 years.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

2011 data shows that customer demand has gone down by another 7.3 gallons per day per connection for a total of 3,023,566 gallons in 2011. This reduction is partially due to tiered rates, consumer education and installation of new meters with leak detection capability. Some of the reduction in customer demand is also due to higher vacancy rates, poor economy and cool summers. We are not expecting as high of reduction in years to come.

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 efforts: 1) Record all hydrant flushing water, and blow off flushing, 2) Record city hydrant use of water for other municipal purposes, 3) Inspect all fire hydrants for leakage and repair leaking fire hydrants.

Other efforts: City received a grant to replace the leaking water main in the Black Diamond cemetery. 2) Recived a grant to replace 900 feet of 4 inch asbestos water main. 3) City irrigates only 1 of 4 city parks. 4) The City requires Master Planned Developments to have aggressive water conservation plans.

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