

Water Use Efficiency Annual Performance Report - 2012

WS Name: BELLINGHAM-WATER DIVISION, CITY OF Water System ID# : 05600 WS County: WHATCOM

Report submitted by: *Anitra Accetturo*

Meter Installation Information:

Estimate the percentage of metered connections: *Less Than 50%*

If not fully metered - Current status of meter installation:

The City has approximately 10,033 metered water accounts and 14,448 flat-rate water accounts. The City began implementing mandatory metering June 1, 2012 and is on schedule to be in compliance with the metering mandate of January 22, 2017.

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: *01/01/2012* To *12/31/2012*

Incomplete or missing data for the year? *No*

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	3,430,868,206 gallons
Authorized Consumption (AC) – Annual Volume	gallons
Distribution System Leakage – Annual Volume TP – AC	3,430,868,206 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	0.0 %
3-year annual average	%

Goal-Setting Information:

Date of Most Recent Public Forum: _____ 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):

1. Maintain city-wide water consumption at an average of 105 gallons per capita per day (gpcd) for residential use, and 77 gpcd for non-residential use for the next six years. 2. Keep city-wide water demand equal to, or below, city population growth rate for the next six years.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

An estimated 28 million gallons of water was conserved in 2012 directly through the City of Bellingham's Water Conservation Program. The water saving measures that contributed significantly to this figure were the on-going distribution of water conservation kits and water main leak detection. Other adopted measures implemented were: continuing public outreach, rain barrel project, multi-unit residential rebates, and single-family residential rebates.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

Implementation of the Water Metering Project began mid-2012. Staff has prepared average household water use fixture and consumption information that will be mailed to each customer being converted from an unmetered water service to a metered water service. The direct mailing notifying customers of the change in service and example residential consumption data will continue to educate customers on active and passive water conservation measures they can implement that can help reduce peak demand, energy costs to providing drinking water, and water loss. This is also facilitated through a partnership project with the Community Energy Challenge (<http://www.communityenergychallenge.org/>), where a rebate continues to incentivize high water use fixture replacement along with other conservation options.

Continuing city-wide leak detection on water mains and abutting water services provides significant water savings and assists staff in its efforts to efficiently and effectively meter all its remaining water customers. These strategies help to minimize supply & demand water loss and waste in the present while also providing a solid foundation for metering implementation and water use reductions.

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