

Water Use Efficiency Annual Performance Report - 2015

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: *More Than 75%*

If not fully metered - Current status of meter installation:

For the 2015 reporting period, the City has approximately 18,000 metered water accounts and 3,000 flat-rate water accounts. The City began mandatory metering implementation in 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: *01/01/2015 To 12/31/2015*

Incomplete or missing data for the year? *No*

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	3,092,000,120 gallons
Authorized Consumption (AC) – Annual Volume	gallons
Distribution System Leakage – Annual Volume TP – AC	3,092,000,120 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: *10/13/2014* 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 annual city-wide Average Daily Demand below 10 million gallons per day (mgd) during the 2014-2019 program period. 2. Maintain average peak day demand between June 1 and August 31 of each year to below 14 mgd during the 2014-2019 program period.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

1. Continue water efficiency rebates for single-family residential water customers - 169 water assessments, 62 toilets and 14 clothes washers retrofit and rebated through Community Energy Challenge partnership, estimated water savings of 375,000 gallons of water per year.
2. Continue water efficiency rebates for commercial water customers - 7 commercial water assessments, 98 toilet, 6 urinals, 126 showerheads, and 12 commercial clothes washers were retrofit through Community Energy Challenge partnership, estimated water savings of 1 million gallons per year.
3. Extend rebates to multi-unit water customers - Pilot project developed and implemented in late 2015, one multi-unit water customer receiving a water assessment.
4. Establish Best Management Practices (BMPs) for irrigation water customers - Measure projected for development and implementation in 2017-2019
5. Establish BMPs for industrial water customers - Measure projected for development and implementation in 2017-2019.
6. Establish BMPs for institutional water customers - Measure projected for development and implementation in 2017-2019.
7. Engage partners to provide water use efficiency resources to targeted customer classes - Continued contracts with RE Sources for the Green Classroom Certification project; Opportunity Council and Sustainable Connections for the residential and commercial water assessments via the Community Energy Challenge; WSU Whatcom County Extension for the Sustainable Landscaping workshops.
8. Develop a system-wide water use efficiency cost-benefit analysis - Measure projected for development after the dissolved air floatation (DAF) pretreatment system is installed at the Water Treatment Plant.
9. Reduce Water Treatment Plant operational water use via implementation of greater water efficient technology- Measure correlates to the installation of DAF
10. Conduct sustainable water management demonstration projects with community Partners - Implemented CLSR rainwater system

Additional Information Regarding Supply and Demand Side WUE Efforts

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

City staff installed approximately 3,000 water meters on existing single-family residences from January - December 2015. These customers were converted from a flat-rate to metered billing for water service in January 2016. Outreach continues to both newly metered and to-be-metered water customers as the City continues on schedule for meter installation and billing conversion.

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