

Water Use Efficiency Annual Performance Report - 2017

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

Report submitted by: *Riley Grant*

Meter Installation Information:

Estimate the percentage of metered connections: *More Than 75%*

If not fully metered - Current status of meter installation:

The last remaining 2367 meters were installed by April 2017.

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: *01/01/2017* To *12/31/2017*

Incomplete or missing data for the year? *No*

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	3,261,980,000 gallons
Authorized Consumption (AC) – Annual Volume	gallons
Distribution System Leakage – Annual Volume TP – AC	3,261,980,000 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.Single-family residential rebates- 86 water assessments conducted, 26 toilets and 5 clothes washers retrofit and rebated through participation in the Community Energy Challenge partnership, with an estimated water savings of 139,000 gallons of water per year.*
- 2.Commercial rebates - 25 commercial water assessments conducted, 8 sites completed conservation projects through participation in the Community Energy Challenge partnership, with an estimated water savings of 62,000 gallons per year.*
- 3.Multi-family rebates - 276 assessments conducted at 5 multi-unit properties, 7 toilet replacements through participation in the Community Energy Challenge partnership, with an estimated water savings of 70,000 gallons per years.*
- 4.Establish BMPs for irrigation water customers - 13 Best Management Practices established for irrigation water customers*
- 5.Establish BMPs for industrial water customers - projected for development and implementation in 2018-2019.*
- 6.Establish BMPs for institutional water customers - after evaluation of the current make-up of institutional accounts, it was concluded that BMPs for institutional water customers are congruent with our existing commercial BMPs and covered through our Community Energy Challenge partnership.*
- 7.Engage partners to provide resources to targeted customer classes- Continued contracts for the Sustainable Schools project, Sustainable Landscaping workshops and the residential, commercial and institutional water assessments via the Community Energy Challenge.*
- 8.Develop a system-wide water use efficiency cost-benefit analysis- projected for development and implementation in 2018-2019*
- 9.Reduce Water Treatment Plant operational water use- This measure correlates to the installation of the dissolved air floatation (DAF) pretreatment system, which will come online in 2018.*

Additional Information Regarding Supply and Demand Side WUE Efforts

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

Do not mail, fax, or email this report to DOH