



Date Submitted: 6/29/2018

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] x 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