



Date Submitted: 6/27/2020

## Water Use Efficiency Annual Performance Report - 2019

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: 100%

If not fully metered - Current status of meter installation:

### Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: 01/01/2019 To 12/31/2019

Incomplete or missing data for the year? No

If yes, explain:

### Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	3,007,750,000 gallons
Authorized Consumption (AC) – Annual Volume	3,183,166,091 gallons
Distribution System Leakage – Annual Volume TP – AC	-175,416,091 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100	-5.8 %
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:

*Continue rebates for single-family customers, 77 water assessments conducted, 32 toilets and 5 clothes washers retrofit and rebated through with an estimated water savings of 120,000 gallons of water per year. Continue rebates for commercial customers - 15 commercial water assessments conducted, 45 toilet retrofits and other direct installs with an estimated water savings of 800,000 gallons per year. Continue multi-unit customers - 108 assessments conducted, 24 toilet replacements with an estimated water savings of 240,000 gallons per years. Establish Best Management Practices for irrigation water customers - 13 Best Management Practices established for irrigation water customers; weather-based irrigation controller rebate approved. Establish Best Management Practices for industrial water customers – complete. Establish Best Management Practices for institutional customers – complete. Continued contracts with community partners for the residential, commercial and institutional water assessments via the Community Energy Challenge. Develop a system-wide water use efficiency cost-benefit analysis – In process. Reduce Water Treatment Plant operational water use via implementation of greater water efficient technology- Complete- - the dissolved air floatation pretreatment system came online in September 28, 2018 and has saved an average of 70 million gallons of water annually with reduced need for filter backwashes.*

#### **Additional Information Regarding Supply and Demand Side WUE Efforts**

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

*With a fully metered system, it is apparent that our source meter is inaccurate. We will work with a qualified contractor to assess the meter calibration program.*

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