



Date Submitted: 6/30/2026

Water Use Efficiency Annual Performance Report - 2025

WS Name: BELLINGHAM-WATER DIVISION CITY OF

Water System ID# : 05600 WS County: WHATCOM

Report submitted by: *Torhil Ramsay*

Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not 100% metered – Did you submit a meter installation plan to DOH? No

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period 01/01/2025 To 12/31/2025

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	2,929,690,000 gallons
Authorized Consumption (AC) – Annual Volume in gallons	3,242,281,056 gallons
Distribution System Leakage – Annual Volume TP – AC	-312,591,056 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	-10.7 %
3-year annual average - %	0.0 % 2015, 2016, 2017

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 03/24/2025

Has goal been changed since last performance report? Yes

Note: Customer goal must be re-established every 6 years through a public process.

Customer WUE Goal (Demand Side):

In 2025, we established a new goal: Keep consumption below 154 gallons per day per single-family residential account. We are currently meeting this goal with an average of 141.72 gallons per day per single-family residential account.

Customer (Demand Side) Goal Progress:

In 2025, we continued efforts on both indoor and outdoor water conservation. We provided 14 single-family rebates for water saving devices, saving approximately 53,670 gallons of water in single-family residences. Our direct install program replaced 4 toilets, 14 low-flow faucet aerators, and 1 showerhead. 10 multi-family properties were assessed, and provided with 7 showerheads, 53 aerators, 6 spray valves for an estimated water savings of 197,610 gallons. We received 122 water saving pledges through outreach events and online promotions and distributed 198 water saving devices. We regularly distributed toilet leak detection tabs at outreach events and through our water distribution meter crew. We saved an estimated 377,250 gallons of water in 2025 through our customer-side progress. In 2025, in preparation for increased utility rates, we increased outreach and awareness for water conservation, rebates, and the City's customer assistance program to support customers who need additional support paying their utility bill. We are meeting our demand side goal, with an average of 141.72 gallons per day for single-family residential accounts in 2025.

Additional Information Regarding Supply and Demand Side WUE Efforts

In 2020, the water meter on the demand side of the system was verified to report inaccurate flows during times of low demand. Current system condition is a 60" main that is reduced down to a 48" pipe where an electromagnetic insertion style flow meter is located. This flow meter is considered one of the most accurate for this size of pipe. Further reductions of pipe size would affect the ability to maintain storage levels at times of high demand. The typical recommended flow range for this meter is 2-20 ft/s. We conducted multiple flow checks on this meter and find flow velocities range from 0.4 to 2.0 ft/s. Of these flow checks 22% were below 1.0 ft/s (8.2 mgd) and 100% of the test flows were below 2.0 ft/s (16.3 mgd). We also did flow checks where we maintained flows below 1.0 ft/s and could not obtain repeatable data to allow for percentage corrections. System layout limits the ability of simple or low-cost system modification.

Describe Progress in Reaching Goals:

- Estimate how much water you saved.
- Report progress toward meeting goals within your established timeframe.
- Identify any WUE measures you are currently implementing.
- If you established a goal to maintain a historic level (such as maintaining daily consumption at 65 gallons per person per day for the next two years) you must explain why you are unable to reduce water use below that level.

In 2025, we significantly reduced water use through operational efficiencies with an expedited water flushing program. By minimizing the duration of flushing at selected locations, we achieved a 61.63% reduction in water consumption, totaling approximately 4.7 million gallons saved. With the installation of smart meters, the City's water division is able to use the data points provided to detect higher-than-normal water consumption, which usually indicates a leak. The water division runs regular reports to check for high consumption and potential leakage. Using month-to-month comparative data, customers with unusually high-water usage are notified either by letter or phone call, depending on the severity of the use. Customers are provided with information on identifying leaks, making repairs, and implementing water-saving methods. The water distribution division of Public Works continues to efficiently and effectively maintain the flow of water to our customers.

The following questions will help DOH better understand water usage, water resources management and drought response. The data will be used to provide technical assistance, not for regulatory purposes.

All questions are voluntary

Month	Date of Measurement	Static Water Level (feet below measuring point)	Dynamic Water Level (feet below measuring point)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Water level data:

Please provide the following information (if known) to help us better utilize the water level data.

Well tag Id number:

Well depth:

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...)

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface)

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7)

Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)? 15,960,000

Month	Volume of Water Produced in gallons
January	211,640,000
February	195,490,000
March	207,308,000
April	214,280,000
May	246,230,000
June	284,970,000
July	338,850,000
August	317,030,000
September	270,470,000
October	228,170,000
November	202,900,000
December	202,980,000

Water shortage response:

Did you activate any level of water shortage response plan the previous year?

- ☐ Yes ☐ No ☒ There was no need to

If you activated a water shortage response plan the previous year, what level did you activate? (Check all that apply)

- ☐ Advisory Conservation ☐ Voluntary Conservation
☐ Mandatory Conservation ☐ Rationing ☐ Other

What factors caused your water shortage the previous year?

- ☐ Drought ☐ Fire ☐ Landslides ☐ Earthquakes
☐ Flooding ☐ Water Supply Limitations ☐ Other

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