

Water Use Efficiency Annual Performance Report - 2022

WS Name: MOUNT BAKER WATER ASSOCIATION

Water System ID# : 56500 WS County: WHATCOM

Report submitted by: Robert Haught

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 01/01/2022 To 12/31/2022

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons 23,127,936 gallons

Authorized Consumption (AC) – Annual Volume in gallons 22,986,750 gallons

Distribution System Leakage – Annual Volume TP – AC 141,186 gallons

Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$ 0.6 %

3-year annual average - % 12.4 % 2020, 2021, 2022

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 02/20/2019

Has goal been changed since last performance report? No

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

Customer WUE Goal (Demand Side):

Reduce customer consumption and maintain close observations of water lines for leaks

Customer (Demand Side) Goal Progress:

When finding leaks, we have replaced the service line, repaired main line and removed unused
stachions when leaking

Additional Information Regarding Supply and Demand Side WUE Efforts

We have been replacin service line and meters when leaks have been found in them. We have also been removing unused stanchions when leaks are found.

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.

We are continuing to decrease the number and amount of leaks withing the system, most of which have been service lines. We have replace or updated most of our main lines.

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)? 55,000

Month	Volume of Water Produced in gallons
January	1,507,220
February	1,217,220
March	1,571,548
April	1,407,736
May	1,557,635
June	2,100,384
July	2,685,470
August	3,471,244
September	2,599,225
October	2,079,216
November	1,368,541
December	1,562,497

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