



Date Submitted: 4/22/2024

Water Use Efficiency Annual Performance Report - 2023

WS Name: LAZY C

Water System ID# : 02676

WS County: JEFFERSON

Report submitted by: William Graham

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 02/08/2023 To 01/08/2024

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	3,238,100 gallons
Authorized Consumption (AC) – Annual Volume in gallons	2,938,896 gallons
Distribution System Leakage – Annual Volume TP – AC	299,204 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	9.2 %
3-year annual average - %	4.4 % 2021, 2022, 2023

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 09/23/2020

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):

The Demand/Customer Side Goal established and approved by the PUD BOC in the 2020-2025 Water Use Efficiency Program is: 1. Maintain 84 gallons per day per connection, the 3-year mean average (2017 - 2019).

Customer (Demand Side) Goal Progress:

The 4-tier water conservation rate structure remains in place as an incentive for customers to conserve water. Billing statements graph annual usage by month allowing the customer to track and compare monthly usage and sometimes identify leaks. Customers receive an annual water newsletter that includes links to the PUD's website and conservation tips for indoor and outdoor water usage.

As a Mason PUD 1 electric customer, you may be eligible for energy and water efficient rebates on clothes washers. Information on their rebates can be found here: <https://mason-pud1.org/rebates/>.

Customer usage was very low per connection in 2023. The customer goal was crushed at 53 gallons per day (gpd) compared to the goal of 84 gpd. This number suggests that numerous residences were occupied during the year less than in previous years. Also, the summer was wetter and cooler comparatively, which may have decreased demand for outdoor watering. Regardless, these numbers are very strong – a savings of over a million gallons, and the result is good for the resource and its future. Well done!

Additional Information Regarding Supply and Demand Side WUE Efforts

Supply Side Goal Progress

In 2023, the utility met its production goal to pump less than 3.45 million gallons by over 210,000 gallons. This likely had more to do with the reduction in seasonal demand than anything else. Even with the demand reduction, our distribution system leakage (DSL) did rise 9.2% in 2023. The 3-year average of 4.4% is still significantly below the state standard of 10% DSL. As always, if you see a leak, please let us know!

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.

See descriptions above.

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	01/02/2023	160.2	
February	02/01/2023	162.3	
March	03/01/2023	160.5	
April	04/01/2023	162.6	
May	05/01/2023	162.4	
June	06/01/2023	161.6	
July	07/01/2023	163.8	
August	08/01/2023	161.4	
September	09/09/2023	162.5	
October	10/06/2023	163.1	
November	11/07/2023	162.7	
December	12/01/2023	161.2	

Water level data:

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

Well tag Id number: ABP807

Well depth: 485.0

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

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

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft) 47.704, -122.919 (~10 ft)

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

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7) 223 ft

Monthly/Seasonal Water Usage:

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

Month	Volume of Water Produced in gallons
January	244,900
February	228,700
March	223,500
April	216,600
May	332,400
June	323,500
July	386,600
August	330,000
September	264,100
October	220,600
November	224,400
December	242,800

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