Washington State Department of Health
Division of Environmental Health
Office of Drinking Water

Date Submitted: 6/29/2025

Water Use Efficiency
Annual Performance Report - 2024

WS Name: GARDINER LUD 1

Water System ID# : 07877 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 *01/30/2024* To *12/24/2024*

Incomplete or missing data for the year? *No*

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	*8,504,500*	gallons	
Authorized Consumption (AC) – Annual Volume in gallons	*8,287,484*	gallons	
Distribution System Leakage – Annual Volume TP – AC	*217,016*	gallons	
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	*2.6 %*		
3-year annual average - %	*10.0 %*		*2022, 2023, 2024*

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 160 gallons per day per connection at 3-year mean average (2017 - 2019).

Customer (Demand Side) Goal Progress:

Gardiner water customers averaged 153 gallons/day each in 2024 against the goal of 160 gallons/day saving 2,555 gallons annually. Savings may in part be due to lower landscape water demand and conservation rate structure.

Other WUE measures
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. Monthly utility newsletters occasionally include water articles. Rebates are available for customers who have purchased new energy and water efficient clothes washers. Information on how to apply can be found at https://www.jeffpud.org/additional-rebates/.

Additional Information Regarding Supply and Demand Side WUE Efforts

---see description above---

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.

System Goal Progress:
The utility achieved significant progress in exceeding its production goal for the year by just over 1 million gallons. And perhaps more importantly, distribution system leakage dropped to 2.6% for the year and to 10% - right at the 3-year average state mandate. While the system is at 10%, the drop illustrates the crew has tightened up operations and are clearly making progress toward that important goal.

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	01/01/2024	136.6	
February	02/01/2024	136.7	
March	03/01/2024	136.3	
April	04/01/2024	136.2	
May	05/01/2024	136.7	
June	06/01/2024	137.5	
July	07/01/2024	137.2	
August	08/01/2024	137.4	
September	09/09/2024	137.4	
October	10/06/2024	137.4	
November	11/07/2024	137.3	
December	12/01/2024	136.7	

Water level data:

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

Well tag Id number:	ACM503
Well depth:	315.0
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, screened multiple intervals.
Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)	47.69809, -122.80067; 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)	144.5 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	629,700
February	458,400
March	527,700
April	582,600
May	739,300
June	810,100
July	1,548,700
August	983,900
September	826,500
October	574,900
November	416,700
December	406,000

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

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