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: TRITON COVE

Water System ID# : 89447 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 *02/09/2024* To *01/08/2025*

Incomplete or missing data for the year? *No*

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	*1,862,900* gallons	
Authorized Consumption (AC) – Annual Volume in gallons	*1,391,441* gallons	
Distribution System Leakage – Annual Volume TP – AC	*471,459* gallons	
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	*25.3 %*	
3-year annual average - %	*32.7 %*	*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):

Demand side goal approved by the PUD Board of Commissioner (BOC) in the 2020-2025 Water Use Efficiency Program is: 1. Maintain gallons per day per connection at 3-year mean average (2017 -2019) of 61 gallons/day.

Customer (Demand Side) Goal Progress:

Customer (Demand Side) Goal Progress:
Triton Cove water customers used 79 gallons per day (gpd) in 2024, exceeding the goal of 61 gpd. This relatively low water per day goal was set when the Triton Cove community had more seasonal residents than today. The current goal will be reviewed in 2026 and perhaps set more commensurate with similar types of community water systems.

Other Conservation Efforts:
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.

Supply side Goal Progress:
Annual leakage has been exceedingly high in recent years, peaking at 40% in 2022. Not since 2020 has Triton Cove leakage been 25% or less but it was in 2024. That was only good enough to get the 3 year average down to 32.7%. It is unclear why leakage has been so bad, but one cause could be slope instability. County mapping indicates a history of slides in the area and more potentially in the future.

Consequently, the utility pumped 471,000 gallons over its production goal last year to keep up with the leak. A leak mitigation survey may be conducted later this year or in 2026 to fix leaks here and at other systems with similar problems.

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	235.0	
February	02/01/2024	234.6	
March	03/01/2024	234.8	
April	04/01/2024	235.0	
May	05/01/2024	234.8	
June	06/01/2024	234.5	
July	07/01/2024	234.2	
August	08/01/2024	234.2	
September	09/09/2024	234.4	
October	10/06/2024	234.4	
November	11/07/2024	230.9	
December	12/01/2024	234.8	

Water level data:

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

Well tag Id number: ABA508

Well depth: 443.0

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, no screen or perforations.
Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)	47.611, -122.991 (~ 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)	307 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	182,300
February	101,700
March	114,700
April	114,500
May	152,900
June	204,100
July	318,000
August	209,200
September	134,500
October	122,300
November	101,400
December	107,300

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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