

Water Use Efficiency Annual Performance Report - 2024

WS Name: SNOW CREEK

Water System ID# : 01220

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 1,478,540 gallons

Authorized Consumption (AC) – Annual Volume in gallons 1,291,448 gallons

Distribution System Leakage – Annual Volume TP – AC 187,092 gallons

Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$ 12.7 %

3-year annual average - % 9.7 % 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):

The Demand/Customer Side Goals established and approved by the PUD BOC in the 2020-2025 Water Use Efficiency Program is: 1.Demand Side – Maintain 83 gallons per day per connection at 3-year mean average (2017 - 2019).

Customer (Demand Side) Goal Progress:

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Snow Creek water customers used 72 gallons/day in 2024 saving 4,015 gallons per customer against the goal for the year. Snow Creek in general receives a lot of precipitation annually and last year may have had low demand spring/summer for landscaping. Also “snowbirds” may have spent less time there this year due to the weather.

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 descriptions 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:

The PUD pumped nearly 110,000 gallons under its production goal in 2024 meeting its objective. Concerning however has been an increase in leakage to 12.7% which in turn rose the 3 year average close to the state required 10% or less at 9.7%. Due to high leaks at other PUD systems, there may be a leak mitigation survey conducted here later this year or early in 2026.

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	20.3	
February	02/01/2024	19.6	
March	03/01/2024	19.3	
April	04/01/2024	18.7	
May	05/01/2024	19.3	
June	06/01/2024	19.2	
July	07/01/2024	19.0	
August	08/01/2024	21.6	
September	09/09/2024	19.4	
October	10/06/2024	21.5	
November	11/07/2024	20.2	
December	12/01/2024	18.8	

Water level data:

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

Well tag Id number: AEA126

Well depth: 55.0

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) 47.941, -122.885 (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) 83 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	69,050
February	87,450
March	87,820
April	120,000
May	138,630
June	234,300
July	143,530
August	115,000
September	130,700
October	108,270
November	106,770
December	137,020

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