

## Water Use Efficiency Annual Performance Report - 2024

WS Name: Coyle

Water System ID# : 36711

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 3,717,000 gallons

**Authorized Consumption (AC)** – Annual Volume in gallons 1,493,774 gallons

Distribution System Leakage – Annual Volume TP – AC 2,223,226 gallons

Distribution System Leakage – DSL =  $[(TP - AC) / TP] \times 100 \%$  59.8 %

3-year annual average - % 62.4 % 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 gallons per day per connection at 3-year mean average (2017 - 2019).*

## Customer (Demand Side) Goal Progress:

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Coyle water customers used 52 gallons/day in 2024 saving 6,205 gallons annually against the goal of 69 gallons/day. Savings may in part be due to fewer days in residence in 2024 for “snowbirds” and on low landscape water demand.

### Other WUE conservation 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 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.

### System Goal Progress

*The system still leaks more water than it sells to Coyle customers, as it has since before we took over operations. The figures were slightly better in 2024 at 59.9%, dropping the 3 year average distribution system leakage to 62.4%. Overall leakage rate has dropped from 5 gallons per minute (gpm) to 4.1 gpm. Transmission line replacement is scheduled for 2025, an action that should bring these leakage numbers down. Overall production also was also down and met its goal by about 450,000 gallons.*

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<br>(feet below measuring point) | Dynamic Water Level<br>(feet below measuring point) |
|-----------|---------------------|--|---|
| January   | 01/01/2024          | 234.6  |   |
| February  | 02/01/2024          | 233.0  |   |
| March     | 03/01/2024          | 233.6  |   |
| April     | 04/01/2024          | 234.6  |   |
| May       | 05/01/2024          | 234.6  |   |
| June      | 06/01/2024          | 234.5  |   |
| July      | 07/01/2024          | 234.5  |   |
| August    | 08/01/2024          | 233.2  |   |
| September | 09/09/2024          | 234.0  |   |
| October   | 10/06/2024          | 233.5  |   |
| November  | 11/07/2024          | 234.6  |   |
| December  | 12/01/2024          | 234.6  |   |

**Water level data:**

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

Well tag Id number: ACQ526

Well depth: 322.0

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 interval

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) 239.3 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   | 393,000                             |
| February  | 248,000                             |
| March     | 321,000                             |
| April     | 284,000                             |
| May       | 323,000                             |
| June      | 313,000                             |
| July      | 507,000                             |
| August    | 341,000                             |
| September | 258,000                             |
| October   | 302,000                             |
| November  | 204,000                             |
| December  | 223,000                             |

### 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

**Do not mail, fax, or email this report to DOH**