

## Water Use Efficiency Annual Performance Report - 2024

WS Name: QUIMPER

Water System ID# : 05783

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 02/07/2024 To 01/06/2025

Incomplete or missing data for the year? No

If yes, explain:

**Total Water Produced & Purchased (TP)** – Annual volume gallons 268,342,403 gallons

**Authorized Consumption (AC)** – Annual Volume in gallons 234,441,492 gallons

Distribution System Leakage – Annual Volume TP – AC 33,900,911 gallons

Distribution System Leakage – DSL =  $[(TP - AC) / TP] \times 100 \%$  12.6 %

3-year annual average - % 10.3 % 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):

See customer side goals below.

A map of these meter read routes can be found here:

<https://www.jeffpud.org/wp-content/uploads/2022/05/Water-Read-Routes-Quimper.pdf> For further information, contact Bill Graham at [bgraham@jeffpud.org](mailto:bgraham@jeffpud.org).

### Customer (Demand Side) Goal Progress:

Route	Goal (gpd)	2021 (gpd)	2022 (gpd)	2023 (gpd)	2024 (gpd)	Water Saved/Conn.
216	<b>132</b>	142	145	137	<b>*128</b>	<b>1,460 gal/yr</b>
218	<b>166</b>	175	<b>*151</b>	<b>*159</b>	167	None
220	<b>154</b>	159	<b>*153</b>	<b>*163</b>	<b>*141</b>	<b>4,750 gal/yr</b>
222	<b>129</b>	139	<b>*122</b>	<b>*120</b>	<b>*112</b>	<b>6,205 gal/yr</b>
223	<b>154</b>	159	<b>*147</b>	<b>*144</b>	<b>*127</b>	<b>9.855 gal/yr</b>
228	<b>120</b>	<b>*113</b>	<b>*119</b>	<b>*117</b>	<b>*108</b>	<b>4,380 gal/yr</b>
300	<b>123</b>	127	<b>*108</b>	<b>*102</b>	<b>*118</b>	<b>1,825 gal/yr</b>
400	<b>171</b>	<b>*157</b>	<b>*161</b>	<b>*158</b>	<b>*144</b>	<b>9.855 gal/yr</b>
450	<b>153</b>	<b>*150</b>	<b>*140</b>	<b>*132</b>	<b>*126</b>	<b>9.855 gal/yr</b>

#### Key

216 – Four Corners Area

218 – N. Hadlock/Chimacum

220 – E. Hadlock/Oak Bay Rd

222 – W. Hadlock/S Irondale

223 - Irondale

228 – Marrowstone Is

300 – South Hastings/LUD#3

400 – Woodland Hills

450 – Kala Point

#### \* Goal met

In the past 3 years only one route did not reach its customer goal for their route. In 2024, Route 218 (North Hadlock/Chimacum, did not meet its goal – by just one gallon per day. This remarkable progress is likely due to a couple factors: 1) an “average” 2024 summer in terms of heat; and 2) higher (tiered) conservation-based rates (rate schedule with annual increases started in 2021).. This data will be evaluated in 2026 when goals will be re-evaluated.

#### 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 information 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.

*Quimper missed its production goal significantly in 2024, much of which can be accounted for as “loses” in general. There were several large water main breaks of unknown volume in 2024. Unreported or underreported fire hydrant usage and theft may have contributed. Annual DSL has been trending higher, which in part is due to aging pipes. A leak mitigation survey may be conducted this year to address the issue head on.*

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	76.3	
February	02/01/2024	77.9	
March	03/01/2024	78.1	
April	04/01/2024	78.6	
May	05/01/2024	79.2	
June	06/01/2024	78.1	
July	07/01/2024	76.1	
August	08/01/2024	74.6	
September	09/09/2024	74.7	
October	10/06/2024	74.5	
November	11/07/2024	75.8	
December	12/01/2024	75.1	

**Water level data:**

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

Well tag Id number: ACF484

Well depth: 133.0

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, without perforations

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft) 48.035, -122.785, (~10 ft)

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

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7) 124 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	19,738,997
February	17,215,423
March	17,315,600
April	20,369,600
May	22,565,283
June	28,264,731
July	32,942,460
August	37,297,609
September	20,078,200
October	16,956,200
November	15,889,500
December	19,708,800

### 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**