



Date Submitted: 2/2/2024

## Water Use Efficiency Annual Performance Report - 2023

WS Name: KALAMA CITY OF

Water System ID#: 37550

WS County: COWLITZ

Report submitted by: Kelly Rasmussen

### 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 01/24/2023 To 01/25/2024

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	361,053,000 gallons
Authorized Consumption (AC) – Annual Volume in gallons	320,247,000 gallons
Distribution System Leakage – Annual Volume TP – AC	40,806,000 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	11.3 %
3-year annual average - %	10.9 % 2021, 2022, 2023

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 02/07/2018

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):

.05% reduction/year by 2024

### Customer (Demand Side) Goal Progress:

Reduce customer water usage on a ERU basis by an average of .05% per year through 2024. The city council has raised rates to curtail excessive water usage and waste. AWWA water conservation notes are attached to monthly water bills periodically explaining the importance of water conservation and the cost of water loss.

**Additional Information Regarding Supply and Demand Side WUE Efforts**

*The City has replaced old compound water meters in our industrial areas with ultrasonic meters for better accuracy of water usage.*

**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.

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			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**Water level data:**

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

Well tag Id number:

Well depth:

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...)

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

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

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7)

**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	23,271,000
February	21,974,000
March	24,166,000
April	22,884,000
May	32,085,000
June	36,472,000
July	43,669,000
August	44,341,000
September	32,631,000
October	25,488,000
November	23,593,000
December	25,446,000

**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**