



Date Submitted: 1/8/2024

## Water Use Efficiency Annual Performance Report - 2023

WS Name: ENUMCLAW WATER DEPARTMENT

Water System ID# : 23600                      WS County: KING

Report submitted by:

### 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 01/01/2023 To 12/31/2023

Incomplete or missing data for the year? No

If yes, explain:

**Total Water Produced & Purchased (TP)** – Annual volume gallons 698,452,000 gallons

**Authorized Consumption (AC)** – Annual Volume in gallons 663,797,267 gallons

Distribution System Leakage – Annual Volume TP – AC 34,654,733 gallons

Distribution System Leakage – DSL =  $[(TP - AC) / TP] \times 100 \%$  5.0 %

3-year annual average - % 6.6 % 2021, 2022, 2023

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 07/24/2023

Has goal been changed since last performance report? Yes

*Note: Customer goal must be re-established every 6 years through a public process.*

### Customer WUE Goal (Demand Side):

*Reduce the annual volume of single-family residential customer leakage billing adjustments by 10 percent from 2023 to 2029 utilizing the new automated meter reading system to identify and notify customers of leaks more quickly than possible through the manual monthly read system.*

### Customer (Demand Side) Goal Progress:

We will continue compiling leak adjustment information on an annual basis to monitor progress toward the 10% reduction target. From 2019 to 2023 approximately 4.3 MG was estimated to have been saved.

## Additional Information Regarding Supply and Demand Side WUE Efforts

*Achieve and maintain DSL below 7 percent through additional steel water main replacements, by conducting annual leak surveys and fixing any identified leak as soon as practicable.*

## 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.

*A DSL below 7 percent on a 3 year average was just achieved in 2023. We will continue replacing steel water main and fixing identified leaks. A total of 0.5 miles of steel lines were replaced in 2023 with 0.4 miles planned to be replaced in 2024.*

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	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

**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**