



Date Submitted: 5/14/2024

Water Use Efficiency Annual Performance Report - 2023

WS Name: WENATCHEE CITY OF

Water System ID# : 94350 WS County: CHELAN

Report submitted by: *jennifer rayson*

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	1,385,706,000 gallons
Authorized Consumption (AC) – Annual Volume in gallons	1,075,583,271 gallons
Distribution System Leakage – Annual Volume TP – AC	310,122,729 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	22.4 %
3-year annual average - %	20.1 % 2021, 2022, 2023

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 08/29/2018

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):

Set a residential water use goal of 125 gallons per capita per day by December 31, 2024.

Customer (Demand Side) Goal Progress:

The City of Wenatchee implemented the following measures currently and in previous years: consumption history shown on the water bill and available online, leak notices and leak detection information provided to customers, water use efficiency outreach and education provided at the Wenatchee School District afterschool program, Home and Garden Expo, Earth Day Fair, on the City website (www.wenatcheewa.gov/water_wise), City Facebook page, through radio ads, and in the consumer confidence report (CCR). Water use efficiency literature was also available at City facilities.

During the development of the water comprehensive plan adopted in 2019, the average daily water use for the City of Wenatchee was calculated to be 135 gallons per capita per day. In 2018, the City established a goal of 125 gallons per capita per day by December 31, 2024. Based on the 2023 water use data, the current average daily water use is 138 gallons per capita per day.

Additional Information Regarding Supply and Demand Side WUE Efforts

We are taking a new approach to public outreach on water conservation and reaching out to locals at trail heads, splash pads in local parks, public events, and hydration stations for local runs.

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.

Looking at draining a repairing one of our reservoirs that has had a known leak. Work will begin in 2024 to drain and assess the reservoir with repairs to happen later that winter or early 2025. Will also work on a new goal 2025. The leakage from this is growing and making it so we are unable to reach our goal.

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