



Annual Water Use Efficiency Performance Report Form

Please refer to the [Getting Started: Water Use Efficiency Guidebook](#)

Today's Date: 6/28/2024

General System Information

System Name: ELLENSBURG WATER DEPT
System ID #: 22950
County: KITTITAS
Your Name: Mike Helgeson
Your Title: Assistant Public Works Director
Your Email Address: helgy@ci.ellensburg.wa.us
Your Phone Number: (509) 962-7133

Meter Installation Information

Estimate the percentage of metered connections: 100%

If not 100% metered - Did you submit a meter installation plan to DOH?

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

Reporting Year: 2023
12-Month WUE Reporting Period: January 01, 2023 to December 31, 2023
Incomplete or missing data for the year? No
If yes, explain:

Distribution System Leakage Summary			
Total Water Produced and Purchased (TP) - Annual Volume	1,548,555,375	Gallons	
Authorized Consumption (AC) - Annual Volume	1,390,985,098	Gallons	
Distribution System Leakage - Annual Volume TP - AC	157,570,277	Gallons	
Distribution System Leakage - Percent DSL = $[(TP - AC) / TP] \times 100$	10.2	%	
3-Year Annual Average - Percent	9.9	% 2021, 2022, 2023	

Goal-Setting Information

Date of most recent public forum: March 17, 2022
Has goal been changed since last WUE report? No
Demand Side Goal: Reduce the demand per ERU by 5 percent by the year 2030. Using a base demand per ERU of 317 gpd/ERU in 2018, this goal would reduce water use to 301 gpd/ERU by 2030
Demand Side Goal Progress: In 2023 the City of Ellensburg is still ahead of their goal of reducing the base demand per ERU by 5% by 2030 despite not implementing any new measures. Internal conversations are occurring to discuss measures like incentivizing xeriscaping and possibly implementing tiered water rates to further increase conservation.
Additional Information: The City of Ellensburg is still committed to an annual leak survey of its entire water system and has budgeted appropriately. Despite these efforts, the water system realized a DSL of slightly over 10% in 2023. The three-year average is still below 10% and meets the goal, but the City will continue to maximize efforts to find the reason for the DSL. The City did implement a new billing software in 2023 and is still working through the conversion.
Supply Side Goal Progress: The City maintains a three-year average of below 10% DSL which is our stated goal. A contracted leak survey of the entire water system was completed in 2023 and 10 major leaks were discovered and repaired, saving an estimated 23 million gallons in 2023 alone.

Water Level Measurements

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			

Well tag Id number:

Well Depth:

Water level accuracy:

Completion type:

Location coordinates:

Water level parameter name:

Elevation of top of casing OR elevation of
measuring point:

Maximum daily water demand for the 0
previous year:

Monthly total water produced for the previous year	
Month	Volume of Water Produced in gallons
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Water shortage response:

- 1. Did you activate any level of water shortage response plan the previous year?
 - ☐ Yes ☐ No ☒ There was no need to
- 2. 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
- 3. What factors caused your water shortage the previous year? Check all that apply
 - ☐ Drought ☐ Fire ☐ Landslides ☐ Earthquakes ☐ Flooding ☐ Water Supply limitations ☐ Other

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