

Water Use Efficiency Annual Performance Report - 2024

WS Name: RIDGEFIELD PUBLIC WORKS

Water System ID# : 72400

WS County: CLARK

Report submitted by: Kim Strickler

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 01/01/2024 To 12/31/2024

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons 546,221,000 gallons

Authorized Consumption (AC) – Annual Volume in gallons 523,290,576 gallons

Distribution System Leakage – Annual Volume TP – AC 22,930,424 gallons

Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$ 4.2 %

3-year annual average - % 7.3 % 2022, 2023, 2024

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 10/24/2024

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):

The goal is to reduce the average daily consumption per Equivalent Residential Unit (ERU) Average Daily Demand (ADD) by 1 percent per year for the next 10 years and maintain Distribution System Leakage (DSL) and loss below 10%.

Customer (Demand Side) Goal Progress:

In 2024, the average daily water consumption was 201 gallons per ERU/ADD compared to 211 gallons per day per ERU in 2023. The city continues to promote water conservation through its tiered rate structures and encourages smart irrigation usage.

Additional Information Regarding Supply and Demand Side WUE Efforts

City Council adopted the updated WSP measures:

- 1. Installation of source and service meters if meters are not already present.*
- 2. Regular calibration/ recalibration of meters.*
- 3. Development and implementation of a water loss control program if distribution system leakage exceeds 10 percent.*
- 4. Education of consumers about water use efficiency practices once per year.*
- 5. Adopted revised water rate structure to encourage water conservation (the rate structure includes conservation for single-family, multi-family, and commercial uses)*
- 6. Maintaining a display at City Hall and at City led public social events with materials promoting conservation and leak detection and other educational programs. These materials are also available on the City's website.*
- 7. Notifying single-family and multi-family residential customers of unusually high-water usage.*
- 8. Evaluation of reclaimed water.*

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.

City Council adopted the additional measures as part of the WSP:

- 1. Increase public education materials about water conservation options and methods.*
- 2. Amend landscape engineering standards to identify low water usage landscaping techniques.*
- 3. Provide for methods to separate water used for irrigation landscaping from water used for other household or business needs.*
- 4. Provide public communication and messaging during water shortages, such as signage indicating the current level of conservation efforts requested and variable message boards emphasizing the need for reduced water use.*
- 5. Develop and adopt a Water Shortage Plan, with quantifiable stages, triggers and responses for different levels of water availability.*

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	01/03/2024	39.3	83.5
February			
March			
April			
May			
June			
July			
August			
September			
October			
November	11/06/2024	40.2	85.1
December			

Water level data:

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

Well tag Id number: APP678

Well depth: 135.0

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

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

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

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

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7) 47' from sea level

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	29,808,000
February	21,187,000
March	28,953,000
April	31,305,000
May	42,429,000
June	51,524,000
July	59,388,000
August	58,766,000
September	54,226,000
October	40,020,000
November	27,979,000
December	28,117,000

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