



Date Submitted: 6/20/2023

Water Use Efficiency Annual Performance Report - 2022

WS Name: RIDGEFIELD PUBLIC WORKS

Water System ID# : 72400 WS County: CLARK

Report submitted by: *Lisa Blake*

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 01/01/2022 To 12/31/2022

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	547,392,000 gallons
Authorized Consumption (AC) – Annual Volume in gallons	460,351,131 gallons
Distribution System Leakage – Annual Volume TP – AC	87,040,869 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	15.9 %
3-year annual average - %	9.6 % 2020, 2021, 2022

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 10/27/2016

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):

The goal is to reduce average consumption to 191 gallons per day per ERU by 2022 and maintain distribution system leakage and loss below 10-percent. A new goal will be established in October of 2022 through a public forum process.

Customer (Demand Side) Goal Progress:

In 2022, water consumption was 253 gallons per day per Equivalent Residential Unit (ERU) compared to 268 gallons per day per ERU in 2021. The City continues to promote water conservation through its tiered rate structures and encourages smart irrigation usage. Ridgefield is in the process of updating our Water System Plan (WSP), which is expected to be completed by the end of 2023. The new WSP will be a collaborative effort with the community, and will update our water efficiency goals as well as steps to capture efficiencies.

Additional Information Regarding Supply and Demand Side WUE Efforts

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	03/23/2022	35.0	71.9
April	04/12/2022	34.8	71.8
May	05/02/2022	33.6	72.7
June			
July	07/19/2022		72.0
August	08/12/2022		80.7
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: 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	24,885,000
February	21,614,000
March	24,494,000
April	24,142,000
May	26,317,000
June	42,294,000
July	93,799,000
August	108,544,000
September	81,662,000
October	47,419,000
November	26,655,000
December	25,567,000

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