



Date Submitted: 6/15/2022

Water Use Efficiency Annual Performance Report - 2021

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 01/01/2021 To 12/31/2021

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	536,874,000 gallons
Authorized Consumption (AC) – Annual Volume in gallons	516,157,000 gallons
Distribution System Leakage – Annual Volume TP – AC	20,717,000 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	3.9 %
3-year annual average - %	6.3 % 2019, 2020, 2021

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 2021, water consumption was 268 gallons per day per ERU compared to 216 gallons per day per ERU in 2020. The suspected cause of the increase in water consumption per ERU is the unusually hot summer of 2021 coupled with significant development establishing landscape during that period. We are working towards our goal of 191 gallons per ERU by 2022 and maintaining a distribution system leakage and loss below 10-percent. The City continues to promote conservation rate structures and encourages conservation and smart irrigation usage.

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	01/29/2021	34.4	
February			
March	03/17/2021	33.1	
April	04/26/2021	40.0	
May	05/14/2021	40.1	85.0
June			
July	07/06/2021		84.0
August	08/05/2021		71.1
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)? 2,336,000

Month	Volume of Water Produced in gallons
January	22,230,000
February	20,415,000
March	22,257,000
April	33,611,000
May	47,811,000
June	61,093,000
July	79,071,000
August	76,386,000
September	53,524,000
October	28,274,000
November	23,143,000
December	24,815,000

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