



Date Submitted: 1/30/2024

Water Use Efficiency Annual Performance Report - 2023

WS Name: CRYSTAL RIVER RANCH ASSOC

Water System ID# : 16480 WS County: PIERCE

Report submitted by: *Jake Payne*

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	6,731,018 gallons
Authorized Consumption (AC) – Annual Volume in gallons	6,631,323 gallons
Distribution System Leakage – Annual Volume TP – AC	99,695 gallons
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	1.5 %
3-year annual average - %	1.4 % 2021, 2022, 2023

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 05/21/2022

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):

A) Maintain historic levels B) Reduce leaks to less than 10% loss in 3 years - having meters will greatly improve leak detection. C) Work towards implementing a fee for gallons used per connection. D) Start a monthly notification process of informing members of the amount of water they use.

Customer (Demand Side) Goal Progress:

Offer our consumers low flow shower heads, die packets to trace any leaks and educate our consumers on water conservation.

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	01/01/2023	37.1	
February	02/01/2023	35.3	
March	03/01/2023	33.2	
April	04/01/2023	35.1	
May	05/01/2023	33.9	
June	06/01/2023	32.9	
July	07/01/2023	37.8	
August	08/01/2023	38.7	
September	09/01/2023	39.8	
October	10/01/2023	40.7	
November	11/01/2023	41.6	
December	12/01/2023	41.8	

Water level data:

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

Well tag Id number: AFK826

Well depth: 283.0

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft) 0.01ft < 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)? 122,209

Month	Volume of Water Produced in gallons
January	485,324
February	487,546
March	392,603
April	322,186
May	447,356
June	637,633
July	1,078,735
August	949,234
September	613,899
October	352,667
November	462,802
December	501,033

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