



Date Submitted: 1/23/2023

## Water Use Efficiency Annual Performance Report - 2022

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 01/01/2022 To 12/31/2022

Incomplete or missing data for the year? No

If yes, explain:

<b>Total Water Produced &amp; Purchased (TP)</b> – Annual volume gallons	7,085,721 gallons
<b>Authorized Consumption (AC)</b> – Annual Volume in gallons	6,981,390 gallons
Distribution System Leakage – Annual Volume TP – AC	104,331 gallons
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	1.5 %
3-year annual average - %	1.5 %                      2020, 2021, 2022

### 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 customers on water conservation. Establish a email/mail system to send data monthly to our members.

### 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	01/01/2022	35.1	
February	02/01/2022	28.7	
March	03/01/2022	29.6	
April	04/01/2022	28.6	
May	05/01/2022	30.6	
June	06/01/2022	31.3	
July	07/01/2022	32.3	
August	08/01/2022	34.2	
September	09/01/2022	36.9	
October	10/01/2022	37.3	
November	11/01/2022	39.9	
December	12/01/2022	38.8	

**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)? 129,987

Month	Volume of Water Produced in gallons
January	478,525
February	412,223
March	425,253
April	360,357
May	344,790
June	396,081
July	1,051,247
August	1,175,347
September	724,984
October	600,427
November	415,955
December	700,532

**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**