



Date Submitted: 2/14/2022

Water Use Efficiency Annual Performance Report - 2021

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 01/01/2021 To 12/31/2021

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	7,677,892 gallons
Authorized Consumption (AC) – Annual Volume in gallons	7,579,287 gallons
Distribution System Leakage – Annual Volume TP – AC	98,605 gallons
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	1.3 %
3-year annual average - %	2.7 % 2019, 2020, 2021

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 05/21/2017

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.

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.

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	01/01/2021	34.1	
February	02/01/2021	31.2	
March	03/01/2021	30.5	
April	04/01/2021	30.1	
May	05/01/2021	32.4	
June	06/01/2021	34.9	
July	07/01/2021	36.5	
August	08/01/2021	38.7	
September	09/01/2021	40.2	
October	10/01/2021	40.8	
November	11/01/2021	41.3	
December	12/01/2021	36.7	

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)? 98,856

Month	Volume of Water Produced in gallons
January	558,734
February	435,374
March	466,214
April	385,152
May	611,168
June	747,207
July	1,294,414
August	1,169,154
September	717,833
October	390,515
November	374,128
December	527,999

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