

## Water Use Efficiency Annual Performance Report - 2020

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 01/01/2020 To 12/31/2020

Incomplete or missing data for the year? No

If yes, explain:

<b>Total Water Produced &amp; Purchased (TP)</b> – Annual volume gallons	6,994,938 gallons
<b>Authorized Consumption (AC)</b> – Annual Volume in gallons	6,867,173 gallons
Distribution System Leakage – Annual Volume TP – AC	127,765 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	1.8 %
3-year annual average - %	2.6 %      2018, 2019, 2020

### 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:

## Additional Information Regarding Supply and Demand Side WUE Efforts

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

### 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	01/01/2020	36.8	
February	02/01/2020	30.4	
March	03/01/2020	27.5	
April	04/01/2020	30.2	
May	05/01/2020	34.4	
June	06/01/2020	36.4	
July	07/01/2020	38.3	
August	08/01/2020	39.6	
September	09/01/2020	40.1	
October	10/01/2020	40.4	
November	11/01/2020	38.2	
December	12/01/2020	34.8	

### 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)? 74,628

Month	Volume of Water Produced in gallons
January	470,372
February	408,520
March	394,877
April	394,600
May	471,098
June	470,515
July	987,450
August	1,150,940
September	726,024
October	462,638
November	465,278
December	592,626

### 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**