



Date Submitted: 6/7/2024

## Water Use Efficiency Annual Performance Report - 2023

WS Name: ROOSEVELT LAKE RANCH

Water System ID# : 47283

WS County: LINCOLN

Report submitted by: Kathleen Strozyk

### 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 52,740,100 gallons

**Authorized Consumption (AC)** – Annual Volume in gallons 51,838,635 gallons

Distribution System Leakage – Annual Volume TP – AC 901,465 gallons

Distribution System Leakage – DSL =  $[(TP - AC) / TP] \times 100 \%$  1.7 %

3-year annual average - % 1.8 % 2021, 2022, 2023

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 08/05/2023

Has goal been changed since last performance report? Yes

*Note: Customer goal must be re-established every 6 years through a public process.*

### Customer WUE Goal (Demand Side):

*At the 2023 annual water meeting it was announced that the overages fee would be increasing to \$. In an attempt to comply with the Water Use Efficiency Rule, and the State's Municipal water Law the RLRWS board of directors has a new goal of 100% back flow prevention on all hook ups or lock out of water service till backflow installed by 2025. Overall decrease in over-consumption. The board doubled the tiered overage fees to stimulate less water usage. Respond by phone or shut off to consumer leaks with in 24 hours for any known consumer side leaks till repairs can be made.*

**Customer (Demand Side) Goal Progress:**

Currently RLRWS as meet all of the previous goals. 99% metered connections. 1 final one to go that is in place for 2024. all hook ups are charged for actual consumption through radio read meters and billing software.

**Additional Information Regarding Supply and Demand Side WUE Efforts**

*6 year goal of moving from bi-monthly metering to monthly metering. New SCADA with wi-fi capabilities for instant alerts to pressure changes and higher than normal consumption. Old line and steel line replacement in progress with a goal of total replacement by 2030.*

**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.

*Our area is growing with more hookups and users, but our consumption and production is less than last year. We have had far less main line breaks due to the infrastructure improvements. With consistent monitoring of our system we have had zero reservoir over-fills that previously resulted in water loss.*

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			
February			
March			
April			
May			
June			
July			
August			
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: SO3 Wellfield (SO!= ABS-0

Well depth: 319.0

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...) cased

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft) 47.49.44N, 118.25.20W

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) 1472 (height above mean sea level)

**Monthly/Seasonal Water Usage:**

What was your maximum daily water demand for the previous year (in gallons per day)? 372,048

Month	Volume of Water Produced in gallons
January	1,717,600
February	717,900
March	1,076,500
April	1,183,500
May	6,039,000
June	9,347,700
July	11,533,500
August	11,182,500
September	6,776,200
October	1,941,100
November	604,300
December	620,300

### 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**