



Date Submitted: 6/24/2024

Water Use Efficiency Annual Performance Report - 2023

WS Name: WEST SOUND WATER ASSOCIATION

Water System ID# : 45014 WS County: SAN JUAN

Report submitted by: Gary Sale

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 09/01/2022 To 08/31/2023

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	834,656 gallons
Authorized Consumption (AC) – Annual Volume in gallons	807,979 gallons
Distribution System Leakage – Annual Volume TP – AC	26,677 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	3.2 %
3-year annual average - %	5.7 % 2021, 2022, 2023

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 06/16/2018

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):

WSWA goal is to maintain Annual Per Capita usage based on full-time residences of 50 gpd or less.

Customer (Demand Side) Goal Progress:

Additional Information Regarding Supply and Demand Side WUE Efforts

Per Capita Consumption for our fiscal year from September 2022 to August 2023 was 31.5 gpd, for the 10 full-time residences we serve. The AWWA estimates residential water usage (NOT INCLUDING IRRIGATION) to be 70 gallons per day per capita; our goal is 50 gpd per capita INCLUDING IRRIGATION.

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			
February			
March			
April			
May	05/01/2024		3.7
June	06/01/2023		4.9
July	07/01/2023		7.3
August	08/01/2023		8.6
September	09/01/2023		8.9
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: AFL 610

Well depth: 52.0

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

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...) Well Casing 36", 12" PVC casing saw curf cut screen Pea gravel packed

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft) 48.38.11.70N 122.57.26.14W

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface) Below TOC

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7) 2' stick up

Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)? 5,982

Month	Volume of Water Produced in gallons
January	38,253
February	40,115
March	44,955
April	61,619
May	78,432
June	72,619
July	134,088
August	76,558
September	64,954
October	44,782
November	45,287
December	41,800

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