



Date Submitted: 6/22/2022

Water Use Efficiency Annual Performance Report - 2021

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 09/01/2020 To 08/31/2021

Incomplete or missing data for the year? Yes

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	947,332 gallons
Authorized Consumption (AC) – Annual Volume in gallons	885,640 gallons
Distribution System Leakage – Annual Volume TP – AC	61,692 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	6.5 %
3-year annual average - %	6.8 % 2019, 2020, 2021

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

1) *Per Capita Consumption for our fiscal year from September of 2019 to August of 2020 was computed to be 38.45 gpd, for 10 full-time residences we serve. Per Capita usage was computed based on a Spring 2014 Survey of Occupancy. The American Water Works Association estimates residential water usage (not including irrigation) to be 70 gallons per day per capita; our goal is 50 gpd per capita including any irrigation.*

2) *WSWA has maintained our practice of emailing periodic conservation materials to our member users.*

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	05/12/2021	2.0	3.8
June	06/24/2021	7.2	21.0
July	07/28/2021	7.9	16.1
August	09/27/2020	10.5	21.8
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: AFL 610

Well depth: 52.0

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft) .01

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...) WELL WAS BOARED AT 36 INCHES AND 12 INCH PVC CASING SET INSIDE OF BORING WITH SAW CURF CUT PERFORATIONS AND 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) Depth below TOC

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7) 2.0'

Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)? 516

Month	Volume of Water Produced in gallons
January	46,998
February	49,742
March	56,114
April	68,351
May	90,405
June	93,158
July	101,381
August	109,663
September	96,047
October	65,497
November	66,390
December	53,764

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