

Water Use Efficiency Annual Performance Report - 2024

WS Name: QUINCY WATER DEPARTMENT CITY OF

Water System ID# : 70450 WS County: GRANT

Report submitted by: *Bob Davis*

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 *01/01/2024* To *12/31/2024*

Incomplete or missing data for the year? *No*

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons *2,030,935,000* gallons

Authorized Consumption (AC) – Annual Volume in gallons *2,038,761,378* gallons

Distribution System Leakage – Annual Volume TP – AC *-7,826,378* gallons

Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$ *-0.4 \%*

3-year annual average - % *5.1 \%* *2017, 2018, 2021*

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: *09/20/2022*

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):

Maintain Leakage of less than 10%

Reduce consumption by ERU by 3% within the next 10 years (2032)

Customer (Demand Side) Goal Progress:

Distribute 50 water savings kits every year including low-flow showerheads.
Increase public education through student awareness days and flyers in local billing to residents and other commercial establishments.
Notification of high meter readings
Current per capita consumption is driven by lawn irrigation in the summer months.

Additional Information Regarding Supply and Demand Side WUE Efforts

Will be begin voluntary lawn water restrictions in 2025 and move to mandatory lawn water restrictions in later years with revised city ordinance.

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.

Most progress has been made with the reduction of water use by the industries in Quincy.

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:

Well depth:

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...)

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)?

Month	Volume of Water Produced in gallons
January	118,039,100
February	116,018,000
March	125,729,900
April	138,207,200
May	167,310,500
June	210,095,800
July	288,108,900
August	240,692,600
September	209,040,300
October	179,242,100
November	131,211,900
December	107,239,100

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