



Date Submitted: 3/9/2021

Water Use Efficiency Annual Performance Report - 2020

WS Name: ENUMCLAW WATER DEPARTMENT

Water System ID# : 23600 WS County: KING

Report submitted by:

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:

| | |
|--|---|
| Total Water Produced & Purchased (TP) – Annual volume gallons | 619,562,000 gallons |
| Authorized Consumption (AC) – Annual Volume in gallons | 577,914,195 gallons |
| Distribution System Leakage – Annual Volume TP – AC | 41,647,805 gallons |
| Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$ | 6.7 % |
| 3-year annual average - % | 7.0 % 2018, 2019, 2020 |

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 03/06/2019

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):

Reduce the annual volume of single family residential customer leakage billing adjustments by 10% by 2023 utilizing the new automated meter reading system to identify and notify customers of leaks more quickly than possible through the manual monthly read system.

Customer (Demand Side) Goal Progress:

We will continue compiling leak adjustment information on an annual basis to monitor progress toward the 10% reduction target.

Additional Information Regarding Supply and Demand Side WUE Efforts

Reduce DSL to 5% by 2023 through additional steel water main replacements, by conducting leak surveys and fixing any identified leak as soon as practicable, and completing the conversion to a new automated meter read system to more accurately measure consumptive use.

Almost 1/4 mile of steel water main was replaced in 2020.

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.

We will continue replacing steel water main and fixing identified leaks. A total of 3400 feet of steel lines will be replaced in 2020. We will complete the conversion to automated meters by the end of 2021.

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 | |
| February | |
| March | |
| April | |
| May | |
| June | |
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |

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