



Date Submitted: 6/14/2021

## Water Use Efficiency Annual Performance Report - 2020

WS Name: KITTITAS CITY OF

Water System ID# : 42650

WS County: KITTITAS

Report submitted by: *Gannon Geiger*

### 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:

|  |                              |
|--|------------------------------|
| <b>Total Water Produced &amp; Purchased (TP)</b> – Annual volume gallons | 128,274,476 gallons          |
| <b>Authorized Consumption (AC)</b> – Annual Volume in gallons            | 77,450,090 gallons           |
| Distribution System Leakage – Annual Volume TP – AC                      | 50,824,386 gallons           |
| Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$     | 39.6 %                       |
| 3-year annual average - %  | 38.5 %      2018, 2019, 2020 |

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 08/13/2013

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):

*We did reach our goal which was stated in our "Water System Plan" of reducing consumption from 408 gpd/ERU to 375 gpd/ERU within 6 years. We are currently at 311 gpd/ERU. With our latest public forum on Aug., 13, 2013 our new goal is " To reduce consumption per person by 5 gallons a day in 6 years.*

### Customer (Demand Side) Goal Progress:

## Additional Information Regarding Supply and Demand Side WUE Efforts

*I am trying to reduce leakage to 10% in 4 years by replacing the last 150 meters that are 20+ years old. I am going to replace Mag Meter at our source which I believe is inaccurate. We have a new water main scheduled to be installed this fall that has known leaks on it. We are looking for funding to replace another faulty main by 2023. We are also now metering flow testing of hydrants.*

## 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<br>(feet below measuring point) | Dynamic Water Level<br>(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**