

## Water Use Efficiency Annual Performance Report - 2022

WS Name: NORTH BONNEVILLE CITY OF

Water System ID# : 60150 WS County: SKAMANIA

Report submitted by: Deanna Syron

### Meter Installation Information:

Estimate the percentage of metered connections: *More Than 75%*

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:

*Fire Hall and City Hall are the only non-metered sources. The small city budget hasn't allowed for us to complete yet.*

### Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period 01/01/2022 To 12/31/2022

Incomplete or missing data for the year? No

If yes, explain:

**Total Water Produced & Purchased (TP)** – Annual volume gallons 44,986,000 gallons

**Authorized Consumption (AC)** – Annual Volume in gallons 39,119,637 gallons

Distribution System Leakage – Annual Volume TP – AC 5,866,363 gallons

Distribution System Leakage – DSL =  $[(TP - AC) / TP] \times 100 \%$  13.0 %

3-year annual average - % 10.4 % 2019, 2021, 2022

### Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 11/09/2010

Has goal been changed since last performance report? Yes

*Note: Customer goal must be re-established every 6 years through a public process.*

### Customer WUE Goal (Demand Side):

*First, the City will reduce the amount of lost and unaccounted for water. Reduction will be accomplished with leak detection, source meter calibration, and irrigation education. This approach is effective in reducing the overall source production requirement without affecting the customers' water usage patterns. Second, the City will promote water conservation to reduce water consumption by its customers. In 2022, water rates increased to \$2.21 per 100CF. Our water rate study was prepped to begin in 2022, but did not happen. It should begin this year and will follow up with a public process to reassess the customer goal immediately following obtaining the results.*

### Customer (Demand Side) Goal Progress:

The city continues to monitor our pipes, we have repaired and detected leaks quickly, where possible. Unfortunately, in December 2022, we had a deep freeze that produced many leaks for customers and the city, resulting in and increase in loss. There was a water rate study and new water system plan that was set to start by end of summer 2022, but did not take place. We are in line to complete the study this year.

### Additional Information Regarding Supply and Demand Side WUE Efforts

#### 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			
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**