Washington State Department of Health
Division of Environmental Health
Office of Drinking Water

Date Submitted: 6/25/2020

Water Use Efficiency
Annual Performance Report - 2019

WS Name: WHITE SALMON CITY OF

Water System ID# : 96350 WS County: KLICKITAT

Report submitted by: *Russ Avery*

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 *01/01/2019* To *12/31/2019*

Incomplete or missing data for the year? *No*

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	*295,639,417*	gallons	
Authorized Consumption (AC) – Annual Volume in gallons	*210,280,690*	gallons	
Distribution System Leakage – Annual Volume TP – AC	*85,358,727*	gallons	
Distribution System Leakage – DSL = [(TP – AC) / TP] x 100 %	*28.9 %*		
3-year annual average - %	*30.2 %*		*2017, 2018, 2019*

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: *11/07/2012*

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):

One percent reduction in average gallons per equivalent residential unit (ERU) day that can be observed in the ADD flow values in year 2018 (demand side goal). An ERU is defined as the average amount of water used by a resident. For the City of White Salmon's water system, an ERU was defiened as 71,064 gallons per year per ERU or 194.7 gallons per day (gpd) per ERU.

Customer (Demand Side) Goal Progress:

Public outreach at local community events, informational pamphlets at City Hall, Web-site for public view and direct interaction with customers by Public Works staff.
Old meter replacement with new meters and metering system.
The use of low or no lead in all parts and materials used in our water system as per guide lines.

Additional Information Regarding Supply and Demand Side WUE Efforts

The city has selected a new venders for the water meters that we use in the distribution system. The new system utilizes Radio Frequency technology for downloading individual meter reads to a laptop device. With this approach we have started changing out all meters larger than 2" with an Octave meter. This change will increase the accuracy of our meter reads. We are also replacing all residential meters that have been in service over 15 years. This will increase our ability to more accurately account for our water, as well as increasing the speed with which we can read them and respond to any issues. Our goal is to have all targeted meters replaced in a ten year time frame. This new system will allow office staff to receive "real Time" alerts and data on many of the issues that typically require a customer service call.
Replacement of aging water mains: This ongoing project started on Tohomish and Snohomish Streets and also included mains on Church and Estes Avenues. Another recently completed project replaced an aging water main along Main Ave. from Spring St. to Simmons Rd., as well as decommissioning a pump station along Main Ave. and installing a new Pressure Reducing Station on Loop Rd.& Cochran. All of these project were completed in 2015.
Staff is constantly on the lookout for any leaks that may be occurring in the system. Long term goals are to replace aging infrastructure with new and adequately sized pipes to meet the demands and needs of our customers well into the future.

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