



Date Submitted: 10/7/2015

Water Use Efficiency Annual Performance Report - 2014

WS Name: WHITE SALMON, CITY OF

Water System ID# : 96350 WS County: KLICKITAT

Report submitted by: *Kevin English*

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 01/01/2014 To 12/31/2014

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	296,305,136 gallons
Authorized Consumption (AC) – Annual Volume in gallons	265,255,678 gallons
Distribution System Leakage – Annual Volume TP – AC	31,049,458 gallons
Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	10.5 %
3-year annual average - %	17.9 % 2012, 2013, 2014

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 defined 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 based information for public view and direct interaction with customers by Public Works staff.
Continue meter replacement program to remove meters that are at the end of their useful life.

Additional Information Regarding Supply and Demand Side WUE Efforts

The City has implemented a meter change-out program to replace older meters with a radio read system. When fully implemented this will increase our ability to rapidly identify leaks on the customer side of the meters.

Since the 1st of August, we have started keeping records of leaks repaired and the estimated loss of each of these leaks. These leaks, if left unrepaired, would have lost an estimated 108,000 gallons per day.

This year the City completed two Capital Improvement Projects to replace aged and ailing Steel and AC pipes. These projects replaced approx. 3000' of failing water mains and decommissioned an old pump station and included the installation of 2 PRV stations to reduce system pressure and provided for better system control.

The City is constantly on the lookout for grants and low interest loans to finance the replacement of the infrastructure that has outlived it's useful life.

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