



Date Submitted: 6/5/2017

Water Use Efficiency Annual Performance Report - 2016

WS Name: NACHES, TOWN OF

Water System ID# : 58100

WS County: YAKIMA

Report submitted by: *Jeff Ranger*

Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not fully metered - Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: 05/01/2016 To 04/30/2017

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	49,605,900 gallons
Authorized Consumption (AC) – Annual Volume	43,692,306 gallons
Distribution System Leakage – Annual Volume TP – AC	5,913,594 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	11.9 %
3-year annual average	16.5 %

Goal-Setting Information:

Date of Most Recent Public Forum: 09/09/2013 Has goal been changed since last performance report? No

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

WUE Goals:

Customer Goal (Demand Side):

Reduce single-family residential water consumption by two (2) gallons per service per day over the next six-year period.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

Monthly water bills show the previous and present meter readings to provide user consumption total for the month. The Town places notices on customer's monthly bills encouraging customers to check for leaks and be aware of excessive water use due to household leaks. The actual amount of water saved to date is unknown, but it is anticipated that the reduction in residential use of two gallons per service per day could save approximately 275,000 gallons annually.

Additional Information Regarding Supply and Demand Side WUE Efforts

Include any other information that describes how you and your customers use water efficiently:

DSL for the 2016/2017 reporting period is slightly greater than the 10% standard, but down from the previous year of 20.4%. A significant portion of the DSL during this reporting period can be attributed to a large number of customer water meter failures, specifically odometers locking in place. In these instances, water consumption was not measurable. Faulty meters have been a continual problem the last few years since the Town converted to an automatic meter reading (AMR) system. The manufacturer is aware of the repeated problems and meter designs have changed to correct the issue. The Town is working with the manufacturer to replace faulty service meters, but the meters are on backorder due to the high number of faulty meters throughout several other communities. In addition to the faulty meters, the Town experienced a water main break during a construction project, which contributed to the DSL. The Town is planning future measures to reduce leakage on both the supply and demand side. WUE information is published in the Town's annual Consumer Confidence Report to further educate customers on efficient use of water.

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