



Date Submitted: 3/12/2012

Water Use Efficiency Annual Performance Report - 2011

WS Name: GARFIELD WATER DEPARTMENT

Water System ID# : 27200

WS County: WHITMAN

Report submitted by: *Perry Brown*

Meter Installation Information:

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

If not fully metered - Current status of meter installation:

There are only 3 remaining unmetered services in town which will be metered by the end of 2012.

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: *01/01/2011 To 12/31/2011*

Incomplete or missing data for the year? *No*

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	39,177,500 gallons
Authorized Consumption (AC) – Annual Volume	33,773,412 gallons
Distribution System Leakage – Annual Volume TP – AC	5,404,088 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100	13.8 %
3-year annual average	19.0 %

Goal-Setting Information:

Date of Most Recent Public Forum: *10/28/2009* 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):

- Disseminate water conservation information to residents through the annual consumer confidence report and the town website. - Reduce average per capita water use by 5 gallons per day within 6 years.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

- Previously unmetered services, minus 3, have been metered reducing the potential for unaccounted for water usage. - An annual schedule has been adopted for replacing existing, older (and sometimes inaccurate) meters with new meters. With time this active and ongoing meter replacement schedule will show a reduction in this unaccounted for usage. This year of 2011 showed significant strides to this end with the leakage down to 13.8% from an initial rate of 36% in 2008.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

The town has taken a very proactive approach to quickly identify and repair any water system leaks. The town is actively involved in reducing customer water usage by addressing questions regarding high usage on their bills and determining if leaks are present, or if consumer usage patterns have changed. With the town's efforts metering previously unmetered services and replacement of older meters, a 15% reduction in unaccounted for water usage occurred between 2008 (36%) and 2009 (21.4%). From 2009 to 2010, the unaccounted for water loss had no appreciable increase, coming in at 21.9%, holding its own. This current year from 2010 to 2011 the rate went from 21.9% (2010) down to 13.8%. Additionally, the town experienced an overall decrease in water usage in general. Between 2009 and 2010 the total water pumped from municipal sources (wells) went from 49,183,200 to 43,366,100, a reduction of 5,772,100 gallons or approximately 12% reduction. Between 2010 and 2011 the reduction was 4,188,600 gallons (43,366,100 in 2010 down to 39,177,500 in 2011), a further decrease of 10%.

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