



Date Submitted: 6/29/2010

Water Use Efficiency Annual Performance Report - 2009

WS Name: BELLINGHAM-WATER DIVISION, CITY OF Water System ID# :05600 WS County: WHATCOM

Report submitted by: *Anitra Accetturo*

Meter Installation Information:

Is your water system fully metered? *No*

If not fully metered - Current status of meter installation:

Approximately 3,614 Single-family Residential (SFR) metered water accounts; 15,768 SFR Flat-rate water accounts. Free Voluntary Metering Program in place until mandatory metering begins in late 2010, as well as metering on all residential properties being served by new water main replacements, and new residential construction.

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period: *01/01/2009 To 12/31/2009*

Incomplete or missing data for the year? *No*

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	3,702,315,371 gallons
Authorized Consumption (AC) – Annual Volume	gallons
Distribution System Leakage – Annual Volume TP – AC	3,702,315,371 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100	0.0 %
3-year annual average	%

Goal-Setting Information:

Date of Most Recent Public Forum: *03/23/2009* 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):

- 1. Maintain city-wide water consumption at an average of 105 gallons per capita per day (gpcd) for residential use, and 77 gpcd for non-residential use for the next six years.*
- 2. Keep city-wide water demand equal to, or below, city population growth rate for the next six years.*

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

An estimated 61 million gallons of water was conserved through the City of Bellingham's 2009 water conservation program through its growing rain barrel program, distribution of free water conservation kits, leak detection, and Commercial Water Audit & Rebate Pilot Project. The following measures were included in the 2009 Water Conservation Work Plan:

A) Development and implementation of a Commercial Water Audit/Rebate Pilot Project (study towards commercial toilet retrofit measure); B) Development and implementation of a Single-family Residential Water Audit/Rebate Pilot Project (study towards SFR toilet retrofit measure); existing public outreach measures (rain barrel program, conservation kits, etc)

Additional Information Regarding Supply and Demand Side WUE Efforts

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

The 15,000+ flat rate residential water customer accounts out of 25,000+ water accounts presents various challenges in determining water loss and billed unmetered water consumption. Flat rate single-family residential accounts make up over 60% of the water customer base. Until the gap between metered and unmetered water customers is narrowed, the city does not feel it is in a position to establish a more aggressive water conservation goal when two-thirds of the users do not have metered, individually accounted for consumption data. As the city works to finance metering of all its water customers in accordance with its adopted water metering schedule, water use efficiency goals will be reviewed annually in congruence with updated single family residential metered data to determine if the city can financially support a more aggressive water use efficiency goal.

Continuation of existing conservation program measures as the budget allows, (conservation kits, leak detection, rain barrel program) provides measurable data for estimated water savings on unmetered households. These measures will continue to be supported along with outreach to the public via events, the city's website, television programs, and workshops. As budget and staffing levels allow each year, additional measures will be developed and implemented to further encourage water conservation amongst the different customer classes.

The city submitted its Water Meter Installation Schedule to the Department of Health on August 18, 2008. Distribution System Leakage (DSL) information is not provided in the summary above, per Section 2.6 of the Water Use Efficiency Guidebook, Second Edition January 2009. The City of Bellingham is not required to provide leakage information until the system is fully metered.

Do not mail, fax, or email this report to DOH