Water Use Efficiency
Annual Performance Report - 2017

WS Name: MILTON, CITY OF  Water System ID# : 54950  WS County: PIERCE

Report submitted by: Glen Baker

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: 12/16/2016 To 12/15/2017
Incomplete or missing data for the year? No
If yes, explain:

Distribution System Leakage Summary:
Total Water Produced and Purchased (TP) – Annual Volume 310,386,000 gallons
Authorized Consumption (AC) – Annual Volume 290,461,688 gallons
Distribution System Leakage – Annual Volume TP – AC 19,924,312 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100 6.4%
3-year annual average 5.7%

Goal-Setting Information:
Date of Most Recent Public Forum: 07/06/2010 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 the customer consumption be 0.5 percent per year through the year 2015, at which time the program and goals will be re-evaluated. The success of this goal will be measured in terms of consumption per ERU.

Describe Progress in Reaching Goals:
Customer (Demand Side) Goal Progress:
Reduce the customer consumption be 0.5 percent per year through the year 2015, at which time the program and goals will be re-evaluated. The success of this goal will be measured in terms of consumption per ERU.

Additional Information Regarding Supply and Demand Side WUE Efforts
Include any other information that describes how you and your customers use water efficiently:

The City’s supply side goal is to maintain the current amount of distribution system leakage below 10 percent. In 2011 the distribution system leakage was 0.9 percent with a 3-year annual rolling average of 3.7 percent. The City has adopted utility standards that attempt to create loops within water lines whenever possible in order to promote better supply and a more flexible system. This technique also promotes water savings by reducing the need for flushing dead end water lines, which may not see proper circulation during normal use. As a member of the Water Cooperative of Pierce County, the City has partnered with eight other purveyors to purchase 75 FCS leak detection devices. These devices are used to identify leaks within the distribution system. It is estimated that as much as 5 percent loss may occur in older meters. To prevent losses from older meters, in November 2005 the City began a meter replacement program, replacing older meters with new Automatic Meter Reading (AMR) meters. These radio-read meters increase the accuracy of water consumption recording. The City has replaced all of the meters in the system, which represents 100 percent of all meters. The City has implemented a metering policy for hydrant flushing. Though this program, the City can track water usage from hydrants from hydrants for construction purposes and City use. This effort will assist the City with tracking DSL.

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