



Date Submitted: 3/20/2019

Water Use Efficiency Annual Performance Report - 2018

WS Name: KENT WATER DEPARTMENT

Water System ID# : 38150

WS County: KING

Report submitted by: Tom Cunningham

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: 01/01/2018 To 12/31/2018

Incomplete or missing data for the year? No

If yes, explain:

Distribution System Leakage Summary:

Total Water Produced and Purchased (TP) – Annual Volume	2,769,427,000 gallons
Authorized Consumption (AC) – Annual Volume	2,625,981,213 gallons
Distribution System Leakage – Annual Volume TP – AC	143,445,787 gallons
Distribution System Leakage – Percent DSL = $[(TP - AC) / TP] \times 100$	5.2 %
3-year annual average	5.7 %

Goal-Setting Information:

Date of Most Recent Public Forum: 11/20/2007 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):

The City of Kent will allocate the resources necessary to support measures that will reduce water use by public agencies during the summer months of June through August by 0.5% annually from 2008-2014, with an emphasis on outside water use. To meet this goal, the City will provide educational materials to public agencies regarding water conservation topics, including, but not limited to: water efficient irrigation systems, native landscaping and natural yard care.

Describe Progress in Reaching Goals:

Customer (Demand Side) Goal Progress:

Water use for the period of June through August 2018 decreased 0.2 percent compared to the same period in 2017. Our emphasis was on outdoor water use which saw an increase of 6.8 percent over last year. 2018 was the driest June through August period in the last five years, with a total of only 1.7 inches of rain over the three-month period. Since the inception of this goal in 2007, overall water use for the period of June through August has decreased by 2.4 percent even as the number of services has increased by 2.2 percent. Dedicated irrigation accounts for government agencies have risen by 43.3 percent over this same time period. We will reevaluate this goal, as well as other potential water use efficiencies that can be incorporated, as part of our water system plan renewal that is currently underway.

The City met its goal of maintaining 6 percent or less lost water for the year, with a 5.8 percent distribution system leakage reported. The average lost water rate is 4.3 percent since 2007.

Additional Information Regarding Supply and Demand Side WUE Efforts

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

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