Water Use Efficiency
Annual Performance Report - 2019

WS Name: WASHINGTON STATE UNIVERSITY  Water System ID# : 93200  WS County: WHITMAN
Report submitted by: Jeff Lannigan

Meter Installation Information:
Estimate the percentage of metered connections: 50% to 75%
If not fully metered - Current status of meter installation:
WSU installed ten additional water meters in 2019, and has identified priorities and started design to address the remaining large unmetered facilities. Due to funding changes related to COVID-19 some of this work has been deferred, but is currently estimated to be completed in the 2021-2023 fiscal cycle.

Production, Authorized Consumption, and Distribution System Leakage Information:
12-Month WUE Reporting Period: 01/01/2019 To 12/31/2019
Incomplete or missing data for the year? Yes
If yes, explain:
Water use is not fully metered, therefore Authorized Consumption is estimated using a comparable water use intensity analysis.

Distribution System Leakage Summary:
Total Water Produced and Purchased (TP) – Annual Volume 469,072,018 gallons
Authorized Consumption (AC) – Annual Volume 417,075,841 gallons
Distribution System Leakage – Annual Volume TP – AC 51,996,177 gallons
Distribution System Leakage – Percent DSL = [(TP – AC) / TP] x 100 11.1 %
3-year annual average 6.3 %

Goal-Setting Information:
Date of Most Recent Public Forum: 06/22/2015  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):
Other goals are to limit annual aquifer pumping increases to 1% of the pumping volume based on a 5 year moving average starting with 1986 (642 mgy). At no time shall the accumulated total pumping exceed 125% of the 1981 to 1985 average (702 – 877mgy), to improve irrigation systems to automatic systems (70-90% in ten years) and to eliminate 20 gpm of cooling water to the drain in 3 years.

Describe Progress in Reaching Goals:
Customer (Demand Side) Goal Progress:
For the reporting period listed above, WSU total water produced was 469 million gallons, an increase of 17 million gallons from last year. Irrigation systems are fully automatic and centrally controlled to maximize efficiency, and single-pass domestic water cooling has been eliminated wherever possible.

### Additional Information Regarding Supply and Demand Side WUE Efforts

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

In 2019 WSU’s metering efforts continued to identify priorities to assure WSU’s limited resources are spent to maximize the associated benefit in quantifying water use, and meters were added at 10 large campus buildings. The design effort is complete to meter all unmetered Housing facilities and the corresponding irrigation, but the execution of this work has been delayed due to funding impacts related to COVID-19. Although around 50% of the total number of connections are currently metered, this represents 84% of square footage on campus; implementing the metering at Housing facilities and other high-priority facilities in the coming three years will bring this number by area to nearly 100%. A water conservation task force has been established to continually identify, troubleshoot, and correct areas of high water use. WSU also continues to be an active participant in commissioning and funding studies of water resource issues through its involvement in the Palouse Basin Aquifer Committee (PBAC).

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