



Narrative write-up as submitted June 17, 2026

Water System ID: 93200

WUE Report for 2025

Period: Jan 1 to Dec 31, 2025

Estimate the number of metered connections: More than 75% (87.2% of campus building area metered; 96.9% of CY2025 authorized consumption directly metered)

Committed date for meter installation: June 30, 2021 (Per Letter to DOH in 2018)

Current status of meter installation:

WSU has continued to prioritize and design solutions for the remaining unmetered facilities, and installed 89 additional water meters in 2024 and early 2025. Expanded meter data coverage in CY2025 increased measured consumption and reduced the estimated share of unmetered use; 96.9% of authorized consumption was directly metered. The remaining unmetered connections will be addressed as funding becomes available. Due to limited resources, metering funds are primarily allocated to maintaining existing meters and supporting energy metering requirements under Clean Buildings and other climate legislation.

Explain missing data for the year:

Water use is not fully metered; therefore, Authorized Consumption is estimated using a comparable water use intensity (WUI) analysis.

- Total Production (TP): 425,295,096 gallons (from 2025 Water Consumption and Metering Status spreadsheet)
- Authorized Consumption (AC): 387,622,048 gallons (*estimated using median WUI of 8.11 gal/GSF applied to unmetered square footage, per Water Consumption and Metering Status spreadsheet*)

Last public forum to establish WUE goal: April 17, 2025

WUE Goal:

Limit annual aquifer pumping increases to 1% of the pumping volume based on a 5-year moving average starting with 1986 (642 million gallons per year). At no time shall accumulated total pumping exceed 125% of the 1981 to 1985 average (702 to 877 million gallons per year). Improve irrigation



systems to automatic systems (70 to 90% within ten years) and eliminate 20 gallons per minute of cooling water to the drain within three years. *(unchanged)*

Customer WUE Goal (Demand Side):

Limit annual aquifer pumping increases to 1% of the pumping volume based on a 5-year moving average starting with 1986 (642 million gallons per year). At no time shall accumulated total pumping exceed 125% of the 1981 to 1985 average (702 to 877 million gallons per year). ~~Improve irrigation systems to automatic systems (70 to 90% within ten years) and eliminate 20 gallons per minute of cooling water to the drain within three years. *(unchanged, and repeated from above as this is what the board has approved. Did not include the stricken section as this is complete or irrelevant.)*~~

Customer (Demand Side) Goal Progress:

WSU has continued outreach to both the residential and non-residential population on campus to encourage conservation and stewardship. Outreach to communicate the importance of efficient water use is ongoing.

Additional information regarding supply and demand side WUE efforts:

WSU's Water Conservation Task Force, comprising operations, engineering, and demand-side staff, continues to meet monthly to evaluate water use data, identify anomalies, investigate demands, resolve issues, and verify corrections. This initiative has effectively identified leaks, system inefficiencies, and faulty meters, ensuring efficient water use. Additionally, WSU has implemented low-flow fixtures in select facilities and upgraded all irrigation systems to be fully automated and centrally controlled.

Describe Progress in Reaching Goals:

Water use at WSU Pullman in 2025 totaled 425,295,096 gallons, an increase of 5,681,096 gallons (1.4%) from 2024 (419,614,000). Production was below 2024 levels in eight of twelve months; the increase was concentrated in May and June (a combined 22.8 million gallons above 2024), reflecting an early start to the irrigation season (metered irrigation rose from 97.6 million gallons in 2024 to 110.9 million in 2025). A significant water loss event at Tukey Horticulture Orchard, identified on November 4, 2025 through Water Conservation Task Force monitoring, also contributed to the annual total. Over the past 30 years, water use has trended downward while campus GSF has increased by 40%. The median domestic WUI was 8.11 gal/GSF in 2025. This is lower than the 12.24 gal/GSF reported for 2024 for two reasons: the analysis grew from 111 buildings in 2024 to 164 in 2025 as newly metered facilities began reporting, and unusually high 2024 readings at a small number of agricultural and special use facilities were not repeated in 2025. Typical building metered in both years changed little (about 7% lower).

The water use goals established in 2015 and reaffirmed in 2025 have been met. Total pumping in 2025 (425.3 million gallons) remains well below the 125% threshold of the 1981 to 1985 average (877 million gallons). Efforts to eliminate cooling water waste are ongoing.



(skip voluntary section on water level measurements)

*(enter monthly water production quantities from the CY2025 monthly production table provided;
source: SkySpark wellhouse meters WH4, WH6, WH7, WH8).*

(answered water level shortage response plan question with “there was no need to”.)