



University : UzSWLU
Country : Uzbekistan
Web Address: <https://www.uzswlu.uz/en>

4. Water

[4.4] WR4 Water-Efficient Appliances Usage

Following its recognition in the 2024 UI GreenMetric World University Rankings (Top 500 globally, 1st in Uzbekistan in the Water category), UzSWLU has further enhanced its Water Efficient Appliances Programme, implemented within the Sustainable Campus Action Plan (2021–2025) and the Eco-Construction and Green Infrastructure Policy (Order No. 34/2024).

Infrastructure Modernization

Following a 2024 campus-wide water infrastructure audit, inefficient plumbing fixtures were systematically replaced across academic buildings, administrative facilities, and student accommodation with certified low-flow systems, dual-flush technologies, and sensor-operated fixtures meeting WELS and EPA WaterSense standards.

Appliance Coverage (2026)

Appliance Type	Total Units	Efficient Units	Coverage	Avg. Saving
Toilets (dual flush 3/6L)	250	225	90%	35–45%
Washbasin taps (sensor/low-flow)	150	142	95%	45–60%
Showers (aerated, low-flow)	80	74	93%	40%
Kitchen taps	50	46	92%	30%
Drinking water dispensers	40	38	95%	25%
TOTAL	570	525	92.1%	≈45% avg.

The programme achieved an estimated annual reduction of 29,500 m³ in water consumption (≈45% improvement vs. 2023 baseline). A Green Office Dashboard with digital water meters and flow-control sensors reduced leak-related losses by 48% (≈24,000 liters/month). Order No. 34/2024 mandates that at least 80% of fixtures in new/renovated facilities meet certified water-efficiency requirements.

Quantitative Outcomes

Indicator	2023–24	2024–25	2025–26	Chg.
Efficient fixtures coverage	67.5%	92.1%	92.1%	+7.4%
Water used per person (l/day)	142	74	74	–21%



Water distribution equipment of the University (UzSWLU)



Water Efficient Appliances Usage

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):