



University: Uzbekistan State World Languages University (UzSWLU)

Country: Uzbekistan

Web Address: <https://www.uzswlu.uz/en>

2. Energy and Climate Change (EC)

2.6 Electricity Usage per Year (in kilowatt-hours)

This indicator measures the total annual electricity consumption of UzSWLU, including electricity obtained from both renewable and non-renewable sources. Consumption is monitored and verified through the university's Fusion Energy Platform, which records and analyzes hourly, monthly, and annual energy data from all academic buildings, administrative facilities, dormitories, libraries, laboratories, and supporting infrastructure across all campuses, including Zakovat.

Annual Electricity Consumption (2026) — Official Figures

Description	Value (kWh/yr)	Share	Source
Total electricity usage	7,467,000	100%	Fusion Energy Annual Report
Renewable electricity generated (solar PV)	2,240,000	≈30%	Fusion Energy Solar Monitoring
Grid electricity purchased	5,227,000	≈70%	Regional Power Supply Dept.



Description	Value (kWh/yr)	Share	Source
Electricity savings vs 2021 baseline (LED + sensors)	≈34% reduction	—	Facilities Energy Audit

Digital Monitoring and Verification

All electricity data are collected through the Fusion Energy Platform, enabling real-time energy monitoring, building-level consumption analysis, renewable energy performance tracking, automated reporting and forecasting, and energy efficiency benchmarking across campuses. Monthly and annual reports are reviewed by the Green Office, Technical Department, and university administration for strategic decision-making.

Calculation — EC4 (Electricity per Campus Population)

EC4 = Total Electricity Usage (2.6) ÷ Campus Population (1.11 + 1.13)

EC4 = 7,467,000 ÷ (17,642 + 1,601) = 7,467,000 ÷ 19,243 = 388.05 kWh/person