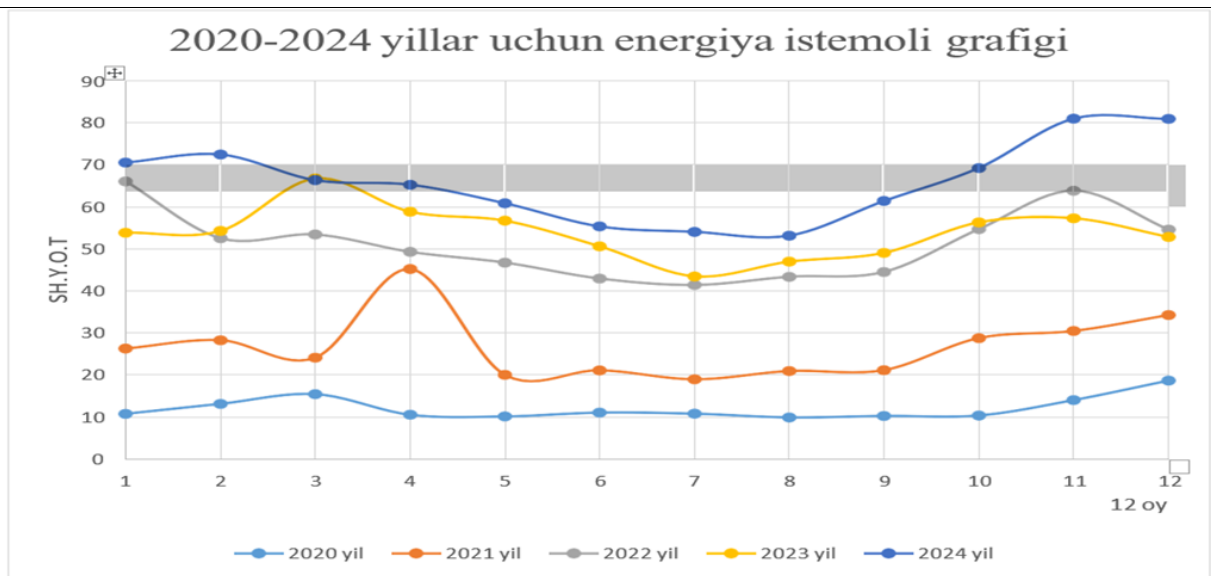


Energy Reviews and Identification of High Energy Wastage Areas at CSPU

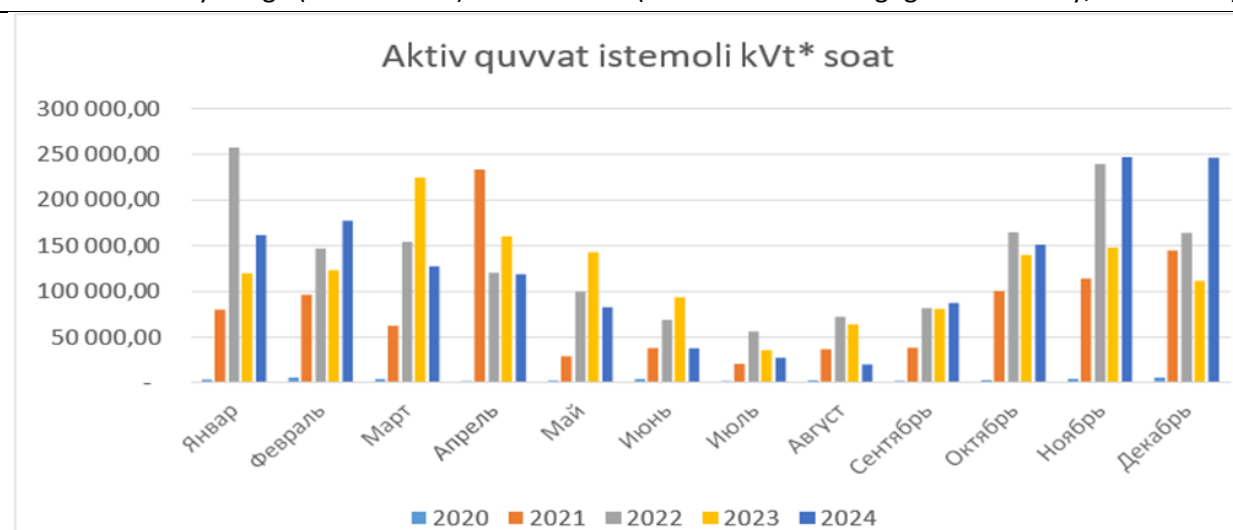
Chirchik State Pedagogical University has initiated a systematic approach to identifying and reducing energy wastage across its campus by commissioning an independent energy audit. On **24 February 2025**, the university signed Contract **No. B1073314** with **TTT-AUDIT LLC**, an accredited auditor, to conduct a comprehensive energy review covering the years **2020–2024**.

The audit includes assessments of all **academic buildings, student dormitories, heating boilers, internal electrical distribution units, transformer substations, and lighting and heating systems**, ensuring full coverage of major energy-consuming facilities. The goal is to determine where energy losses are highest, evaluate inefficiencies, and develop actionable recommendations for energy-saving improvements.



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Total Electricity Usage (All Locations) in 2020–2024 (Chirchik State Pedagogical University, Uzbekistan)



Electricity Usage (kWh) (Chirchik State Pedagogical University, Uzbekistan)

In 2024, CSPU consumed **1,467,855 kWh** of electricity, with **37 percent** supplied from renewable sources, reflecting significant progress in clean energy integration. Consumption patterns show seasonal fluctuations influenced by heating and cooling demands, campus activity levels, and the expansion of solar photovoltaic systems.

The energy audit focuses on pinpointing areas with high wastage such as outdated lighting fixtures, inefficient heating systems, uninsulated pipelines, and suboptimal operation of air conditioning units. Findings from the audit will guide the university in implementing targeted measures to further reduce consumption, optimize operational costs, and advance its commitment to sustainability and carbon footprint reduction.