



THE USE OF RENEWABLE ENERGY SOURCES AT UZBEKISTAN STATE WORLD LANGUAGES UNIVERSITY "UZSWLU"

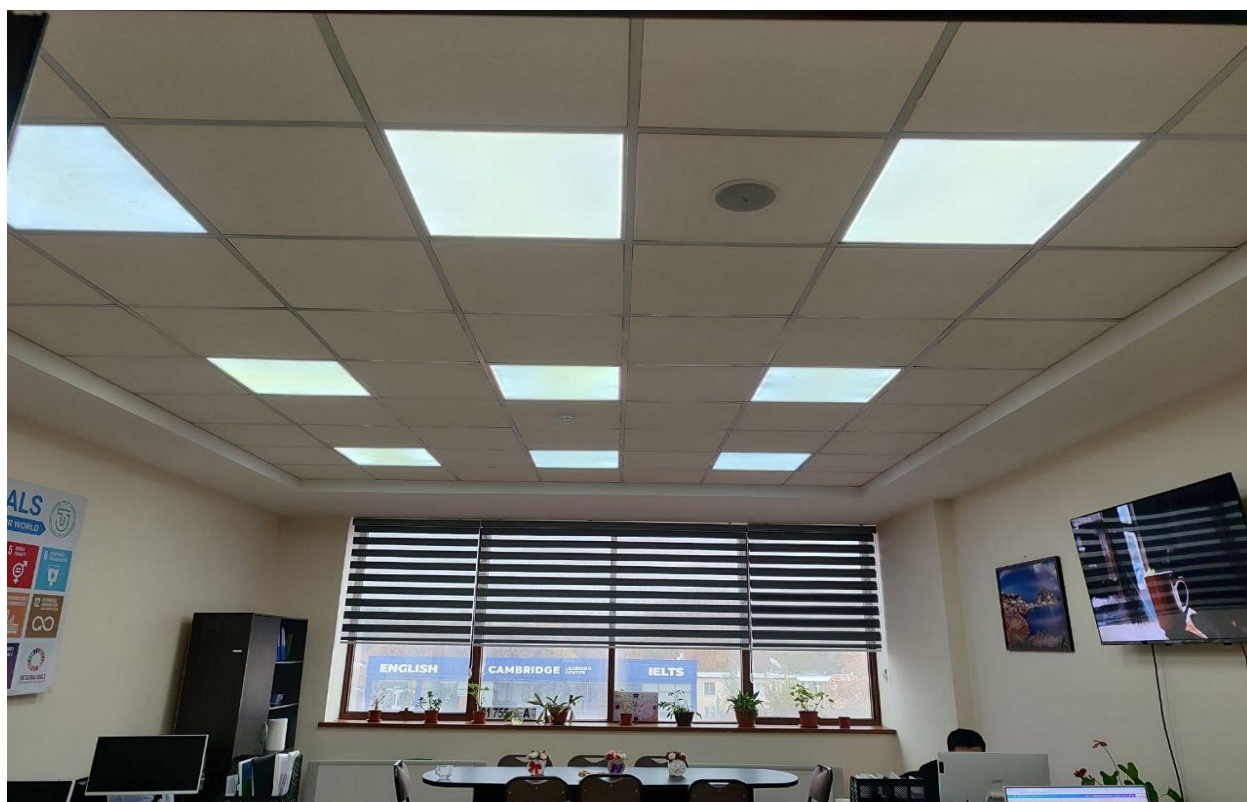


The course of development on Earth has always been closely related to the type and amount of energy used. Today, the volume of energy use is increasing so much that its further increase in the future will pose a great threat to the biosphere and, consequently, to the development of mankind in the future. Therefore, since the last decade of the last century, special attention has been paid to the use of solar,



hydro, wind, biomass and geothermal energy sources, which are considered one of the renewable and environmentally friendly energy sources. Uzbekistan State World Languages University "UzSWLU" also supports the policy of green energy and chooses the path of optimizing electricity consumption and the use of renewable energy sources based on modern world standards.

As of the first quarter of 2023, a solar power plant with a total capacity of 1320 kW has been installed at the university. A feature of this power plant is that for the first time among the higher educational institutions of Uzbekistan, a solar energy storage system was installed at the university. Due to the installed solar panels, 650 thousand kilowatts of additional electricity were produced and 585 million soums were saved. It currently covers 33% of electricity demand; Also, in mid-2023, 2-ton solar water heating devices were installed and put into operation, saving natural gas



in the amount of 45 million soums per year. The university has installed a solar energy storage system. The generated electricity is used to power the university's equipment. The advantage of this system is that in the event of a power outage, it will be possible to provide consumers with uninterrupted power for up to two hours.

