



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

[2] Energy and Climate Change (EC)

The use of renewable energy at the university is important for several reasons:

1. Reducing the negative impact on the environment. Renewable energy sources such as solar and wind energy do not produce greenhouse gas emissions, which helps preserve the environment and reduce the university's carbon footprint.
2. Economic efficiency. Although the initial investment in the installation of renewable energy equipment may be significant, long-term energy costs may be lower than using traditional sources. This can lead to savings for the university.
3. Independence from external energy sources. A university using renewable energy sources is becoming more autonomous and less dependent on centralized energy systems. This is especially true in regions with unstable electricity supply.
4. Improving the image of the university. Using renewable energy sources demonstrates the university's commitment to sustainable development and environmental responsibility, which can attract students and teachers who share these values.
5. Development of new technologies. The introduction of renewable energy sources requires the development and implementation of new technologies that can become the basis for future research and innovation in the field of energy.

In general, using renewable energy contributes to creating a more sustainable and environmentally responsible university environment, as well as the development of new technologies and scientific research in this area.

[2.5] Renewable Energy Sources in Campus



1. Each building of the university is equipped with solar panels (UzSWLU)



Heating gas boilers (UzSWLU)

Description:

1. The University is 80% independent of the city's electricity supply due to the use of renewable energy sources.

The university has installed solar panels that provide a significant part of the electricity needs. This reduces the load on the city's power grid and increases the reliability of the university's power supply. In addition, the use of renewable energy helps to reduce greenhouse gas emissions and preserve the environment.

The University continues to work on improving energy efficiency and introducing new technologies to further reduce dependence on urban power grids.

2. The heating system of the university is a complex of technical solutions that ensure a comfortable temperature in the premises. It includes boiler installations, pipelines, and radiators.

The system operates based on district heating, where hot water or steam is supplied from the boiler room to the university buildings. Heat exchangers are installed in each building, which transfer heat to the heating system. This allows the heat to be evenly distributed throughout the building and maintains a set temperature.



Regular inspections and maintenance of the equipment are carried out to improve the efficiency of the heating system. Modern technologies such as control automation and the use of renewable energy sources are also being introduced to reduce heating costs.

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