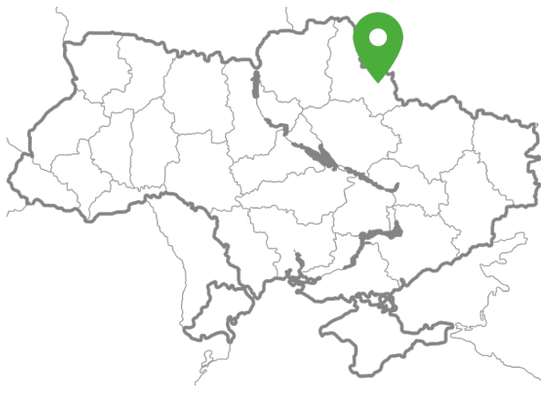
Sumy Territorial Community of Sumy Region

General information about the community.

The Sumy Territorial Community is the largest community in Sumy Oblast. Established as part of Ukraine's administrative-territorial reform in 2020, it united the city of Sumy with surrounding villages, forming a mo-dern urban center with significant economic, educational, and cultural potential. The community's economy is based on machine engineering, chemical, and food industries. Priority projects include modernizing the transportation system, public services, and road infrastructure, which contribute to improving the quality of life for residents. The community also focuses on energy efficiency initiatives and the implementation of environmental projects. Like other frontline regions, Sumy faces a pressing need for the development of renewable energy.



Area: 347.9 km². **Population:** 277,500 (as of 2020).

General information about the project.

Project overview and goal. The installation of a solar power station at the municipal enterprise "Miskvodokanal".

The project aims to offset part of the electricity consumption in the networks of the municipal enterprise "Miskvodokanal" of the Sumy City Council through the generation of electricity from an autonomous solar power plant (SPP) located at the water pumping station (WPS). One of the largest expenses for the enterprise is electricity, as its operations are directly dependent on the supply of power to critical infrastructure. This project will reduce electricity costs and improve the energy efficiency of the facility.

By installing the solar power plant, the company will ensure a more reliable energy supply for its essential services, leading to cost savings and greater operational sustainability. This initiative will contribute to stabilizing the energy supply and optimizing energy consumption within the enterprise, benefiting both the local community and the environment.

Project location. Sumy,Topolyanska Street, 163.

Investment model. The investor builds a renewable energy system and sells electricity at a price below the market rate, ultimately transferring the ownership of the power plant to the community. ESCO mechanism.

Project status. The agreement has been concluded, and the development of the project and cost documentation (PCD) is being prepared.

The water intake area is free from construction and is not reserved for potential future development.

Project parameters and required investments.

Expected project implementation period: 6 months.

Key parameters of the potential project (capacity, area, equipment, etc.): the solar power plant has a total capacity of 280 kW: 220 kW grid-connected and 60 kW hybrid.

- The available roof area for the installation of the roof-mounted solar power plant is 663.1 m².
- The available area for the installation of the ground-mounted solar power plant is 2882 m².

Project cost: 396,000 euros.

Co-financing amount/community contribution: 20% of the total project cost.

Guarantees the community can provide to potential investors. The community guarantees the fulfillment of all obligations specified in the partnership agreement.

Project impact on the community.

Project benefits. The municipal enterprise "Miskvodokanal" of Sumy City Council plays a crucial role in ensuring the sanitary and hygienic well-being of the city's population by providing centralized water supply and sewage services in Sumy. The benefits of the project will extend to 35,800 people, as the improved operation of the water intake will ensure their access to clean drinking water.

Contact information:

Roman Zymokos - Head of the Energy Department at "Miskvodokanal" of Sumy City Council

Email: energovoda@ukr.net

Phone: +38 050 407 82 80, (0542) 700-187