

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 modern 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. Installation of a solar power plant at the "Miskvodokanal" Utility Facility, at the Luchansky water intake.

This project aims to offset part of the electricity consumption in the networks of the "Miskvodokanal" utility of the Sumy City Council by using the energy generated from an autonomous solar power plant (SPP) located at the water pumping station. One of the largest expense items for the enterprise is electricity, as its operations are directly dependent on the provision of power to critical infrastructure facilities. The project will help reduce electricity costs and enhance the energy efficiency of the facility.

Project location. Sumy, 29-A Vasylya Symonenka Street.

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.): installation of a solar power plant with a total capacity of 150 kW (90 kW grid-connected and 60 kW hybrid) at the Luchanska water intake station. There is sufficient land area available for installation. The exact location of the installation will be determined by the project.

Project cost: 240,00 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. "Myskvodokanal" of the Sumy City Council plays a key 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 project will benefit 32,200 residents, as the improved operation of the water intake will provide access to clean drinking water.

This project aims to enhance the reliability and sustainability of the city's water supply infrastructure, benefiting local communities with cleaner and more efficient access to essential water services.

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