

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 Municipal Enterprise 'Miskvodokanal' Facility.

Compensation for part of the electricity consumption in the networks of the Municipal Enterprise 'Miskvodokanal' of Sumy City Council through the self-generation of an autonomous solar power plant at the water pumping station (WPS).

One of the largest expenses for the enterprise is electricity, as its operations directly depend on the supply of electrical energy to critical infrastructure facilities. This project will reduce electricity costs and enhance the energy efficiency of the facility.

Project location. Sumy, Matviyivskiy Lane, 30.

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

Project status. The contract has been signed, and the design and estimate documentation is being developed.

★ Project parameters and required investments.

Expected project implementation period: 6 months.

Key parameters of the potential project (capacity, area, equipment, etc.): Novo-Obolonska Water Pumping Station (WPS) - installation of a solar power station with a total capacity of 320 kW: 260 kW grid-connected and 60 kW hybrid. The total area is 4950 m², and the station is ground-mounted.

Project cost: 445,000 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.

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