

Novovolynsk Territorial Community of Volyn Region

General information about the community.

The Novovolynsk community has a favorable transportation and geographical location. It is situated just five kilometers from the state border with the Republic of Poland. Novovolynsk is part of the cross-border Euroregion Bug, through which intensive foreign economic ties are made between Ukrainian regions and European countries. The Novovolynsk community is an example of an industrial region striving to transform and adapt to new economic conditions, particularly in line with Ukraine's nationwide decentralization efforts and the sustainable development of local communities.



Area: 75.3 km². **Population:** 58,809 residents (as of 2020).

✓ General information about the project.

Project overview and goal: construction of rooftop and ground-mounted solar power plants at water utility facilities.

As part of the project, it is planned to install solar power plants (SPPs) at critical infrastructure facilities of the Novovolynsk Water Utility, with a total capacity of 640 kW:

1. Sewage Pumping Station No. 2 (KNS-2) – 100 kW
2. Sewage Pumping Station No. 3 (KNS-3) – 120 kW
3. Sewage Pumping Station No. 4 (KNS-4) – 100 kW
4. Sewage Pumping Station No. 5 (KNS-5) – 220 kW
5. Sewage Pumping Station No. 1 (KNS-1) – 100 kW

The project aims to reduce electricity costs and ensure uninterrupted operation of water supply and sewage systems, particularly under martial law conditions. The panels will be installed on the rooftops of the buildings and on open areas of the Water Utility.

Project location. Novovolynsk, Volyn Region.

Investment model. Direct investments (the investor builds the renewable energy system and sells electricity at a price lower than the market rate, ultimately transferring ownership of the power plant to the community).

Project status. The design and estimate documentation for the installation of a hybrid solar power plant at the wastewater treatment facilities, as well as the northern and southern water intakes of the Water Utility "Novovolynskvodokanal," with a total capacity of 900 kW, is currently under development.

★ Project parameters and required investments.

Expected project implementation period: 12 months.

Key parameters of the potential project (capacity, area, equipment, etc.): The solar power plants at the critical infrastructure facilities of the Water Utility "Novovolynskvodokanal" have a total capacity of 640 kW.

Project cost: 605,870 euros.

Co-financing amount/community contribution. The community is ready to provide 10% of the amount.

Guarantees the community can provide to potential investors. The Novovolynsk Territorial Community can guarantee a co-financing budget of 10% of the project cost.

Project impact on the community.

Project benefits. The beneficiaries of the project are: Novovolynsk City Council, the Water Utility "Novovolynskvodokanal," and 49,246 consumers of "Novovolynskvodokanal" services. The solar power plant installation project at the critical infrastructure facilities of "Novovolynskvodokanal" will bring economic benefits by reducing tariffs for the population and ensuring stable water supply, which will be a resource for addressing the humanitarian issues of the community, improving the quality of life for residents.

Contact information:

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