KHERSON CITY

TERRITORIAL COMMUNITY

REBUILD UKRAINE

2ND INTERNATIONAL EXHIBITION | CONFERENCE

POWERED BY ENERGY

2023 NOVEMBER

01 Kherson INDUSTRIAL PARKS

BUDGET 34,1 million EURO

Both objects have a favorable geographical location, a convenient transport interchange **(a large railway junction on the territory of the IP, a sea trade port at a distance of 5 km, a river port at a distance of 6 km, a railway station, and a bus station)**. The engineering infrastructure of the facilities includes an **autonomous water supply, gas supply, electricity supply** (autonomous -154 MW, three reserve substations of 35 MW each), **gantry cranes, sewage and stormwater systems, and a railway line.**

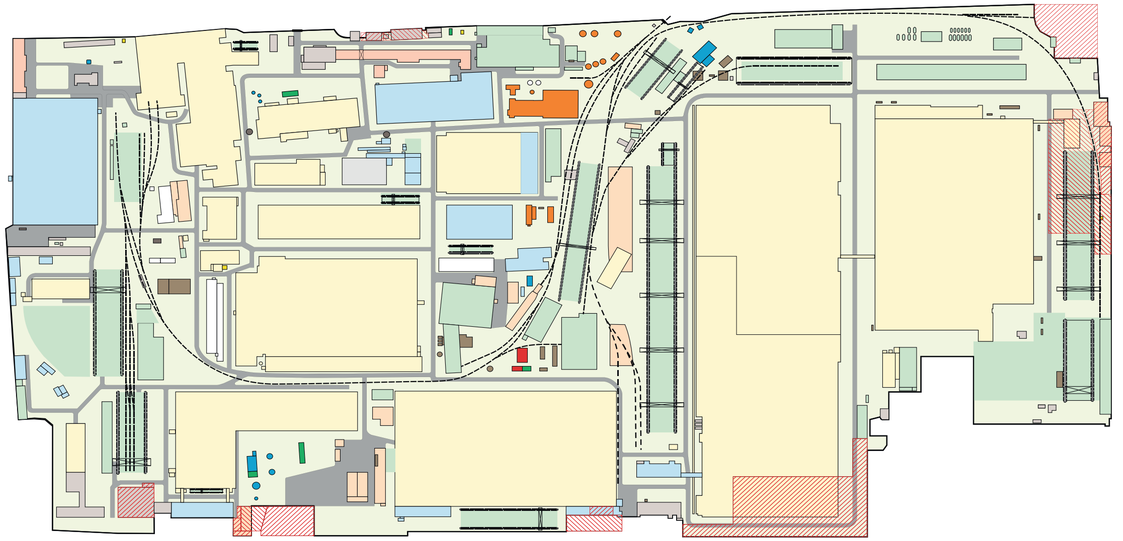
Based on the Development Strategy of the Kherson city territorial community and the requirements of the law on IP, we consider it appropriate to involve enterprises of the following profile: food industry, processing of agricultural products, production of biofuel, processing of waste, except for landfill. Attracting investors who create various productions diversifies the economy of the community.

Restoration of the economic potential of the Kherson city territorial community is a priority for local authorities to resolve

2 objects
identified as potential industrial sites

area of **60 hectares**

area of **40 hectares**



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INDUSTRIAL PARKS

BUDGET 82 million EURO

Ukrainian company GCS UA, which has more than 35 years of history of successful activity, offers a significant project for the Kherson city territorial community. Before the war, the company included enterprises of the oil and gas, agro-industrial, and other sectors of the economy in the territory of Kherson and other regions of Ukraine, which **employed 4000 people.** The annual turnover of the company amounted to more than 300 million US dollars.

Currently, the UA GKS is working on a project to create an industrial park with an area of 46 hectares, which will be implemented after the end of hostilities in the region. The areas of activity of the park will be the production of aerated concrete blocks, dry construction mixtures, complex mineral fertilizers, etc., which are necessary for the recovery of the economy of the region and Ukraine as a whole.

Ukrainian company

GCS UA

A solar power plant with a capacity of 7 MW will strengthen the energy security of Kherson and the region. At the same time, the production of mineral fertilizers will increase its export potential

750 jobs positions

2,000 people in related industries such as agriculture, transport, and construction

80% of the company's production facilities were destroyed and looted by the invaders

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Municipal enterprise
KHERSON INDUSTRIAL MANAGEMENT OF WATER AND SEWAGE

02

BUDGET 35 million EURO

Provides drinking water and drainage to 300 000 citizens of Kherson City Territorial Community

Quality water supply and public health

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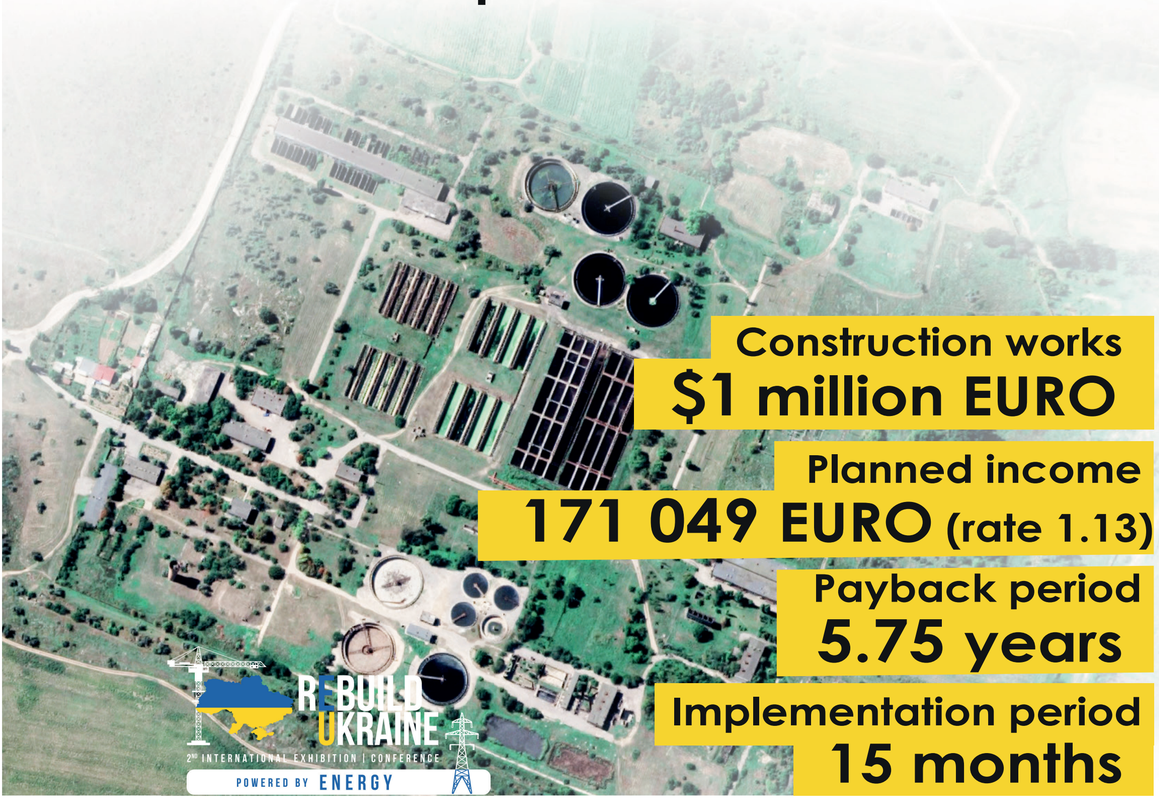
Municipal enterprise KHERSON INDUSTRIAL MANAGEMENT OF WATER AND SEWAGE

Investment project

CONSTRUCTION OF A SOLAR POWER PLANT

on the territory of the city sewage treatment plants of Kherson



Construction works
$1 million EURO

Planned income
171 049 EURO (rate 1.13)

Payback period
5.75 years

Implementation period
15 months

Construction of a ground-based photovoltaic system with a capacity of 1.0 MW on the territory of the city sewage treatment plant. With the subsequent sale of electricity at the "green tariff."

85.3163 ha The area of city treatment facilities

The PROJECT does not require the allocation of land; construction is planned on the free territory of the sewage treatment plant;

The existing installed capacity of treatment facilities is 3.5 MW with actual use of no more than 1 MW (does not require payment for connection to the power grid);

Implementation of the project will allow:

- Reduce the operating costs of the enterprise due to the sale of electricity at the "green tariff";
- Improve the quality of electricity in the network in the area of the construction of treatment facilities;
- To improve the ecological situation in the region by reducing CO2 emissions

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Municipal enterprise KHERSON INDUSTRIAL MANAGEMENT OF WATER AND SEWAGE

Sewage treatment plants

The capacity of the facility is **250,000 m3 per day**

Actual **43 thousand m3 per day**

Energy consumption **12 thousand kWh per day**

Specific energy consumption **0.28 kW/m3**

The area of MOS is **85.31 ha**

Efficiency of mechanical cleaning **41.2%**

Efficiency of biological cleaning **91.6%**

Treatment of sludge and raw sediment - drying on sludge cards of the cascade type (4 cascades of 5 cards each)

The annual sediment volume is **4,193.0 tons of dry matter.**

The ash content of the sludge is **18.7**

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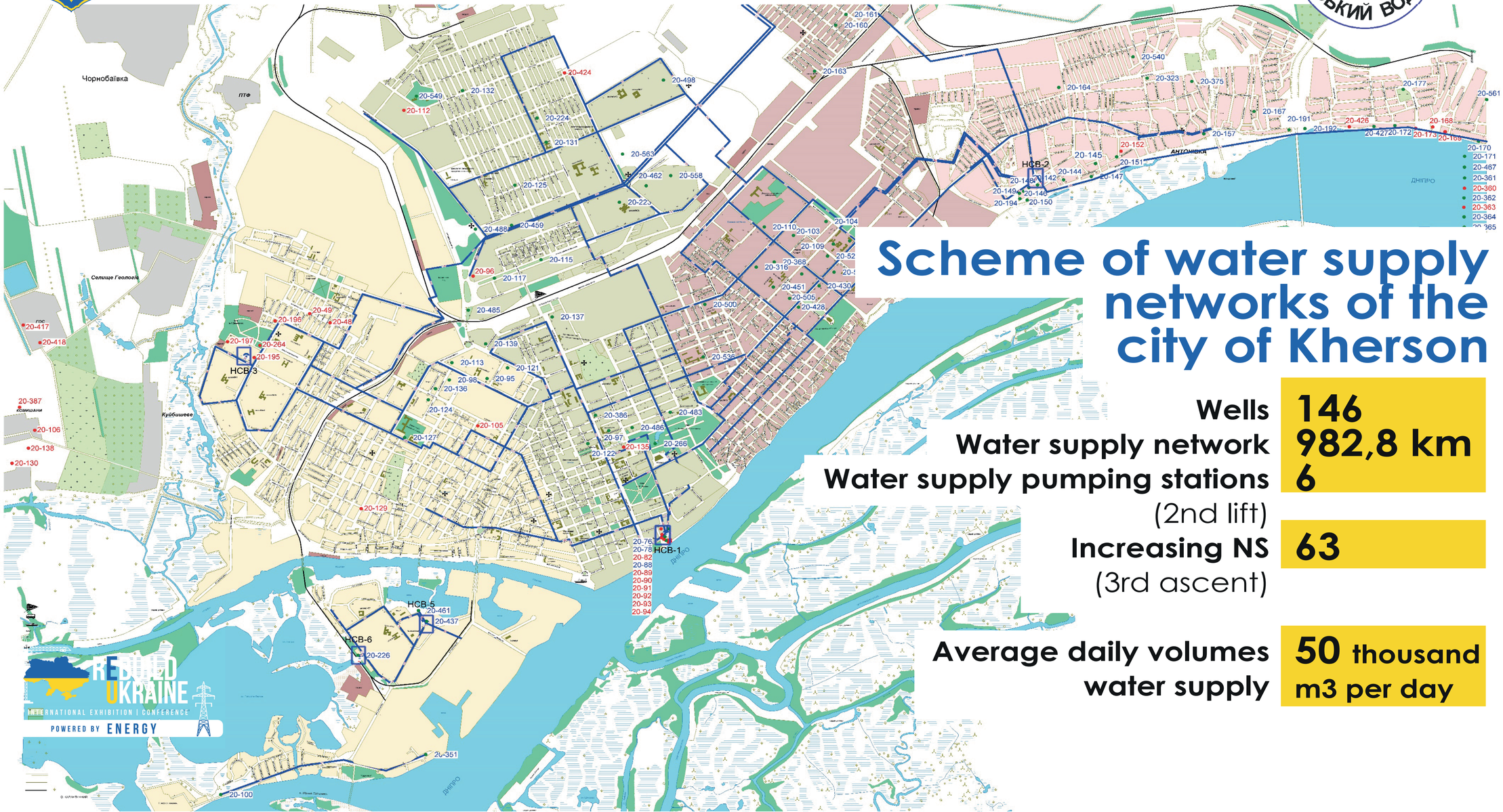

Scheme of water supply networks of the city of Kherson

Wells	146
Water supply network	982,8 km
Water supply pumping stations (2nd lift)	6
Increasing NS (3rd ascent)	63
Average daily volumes water supply	50 thousand m3 per day

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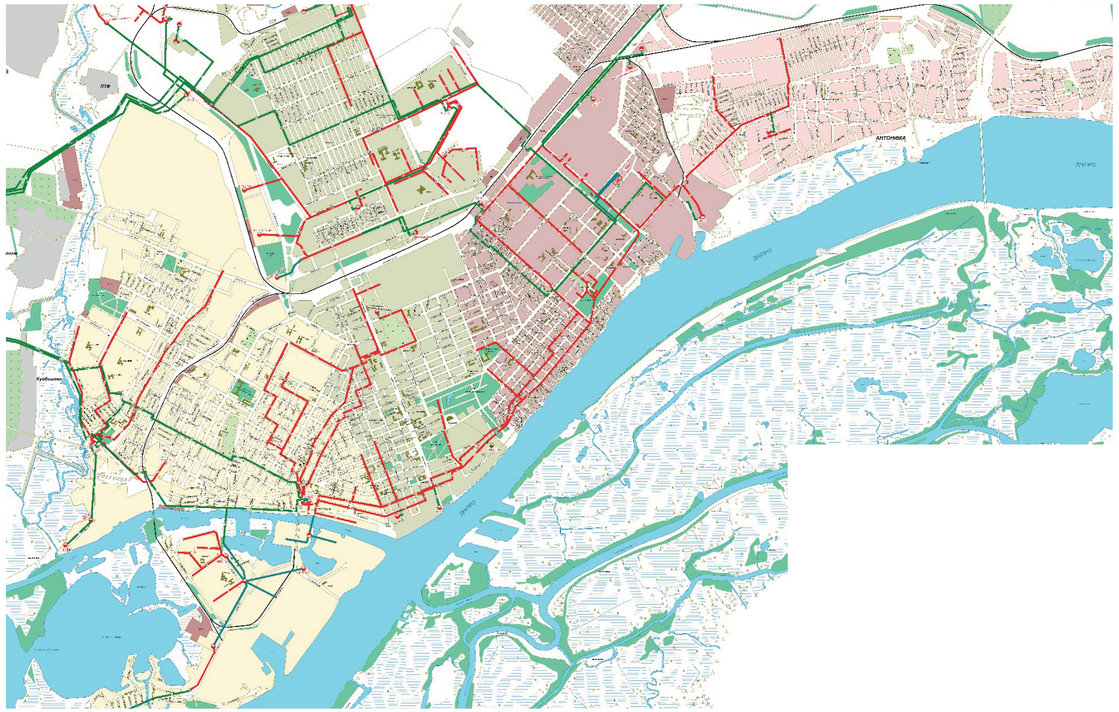
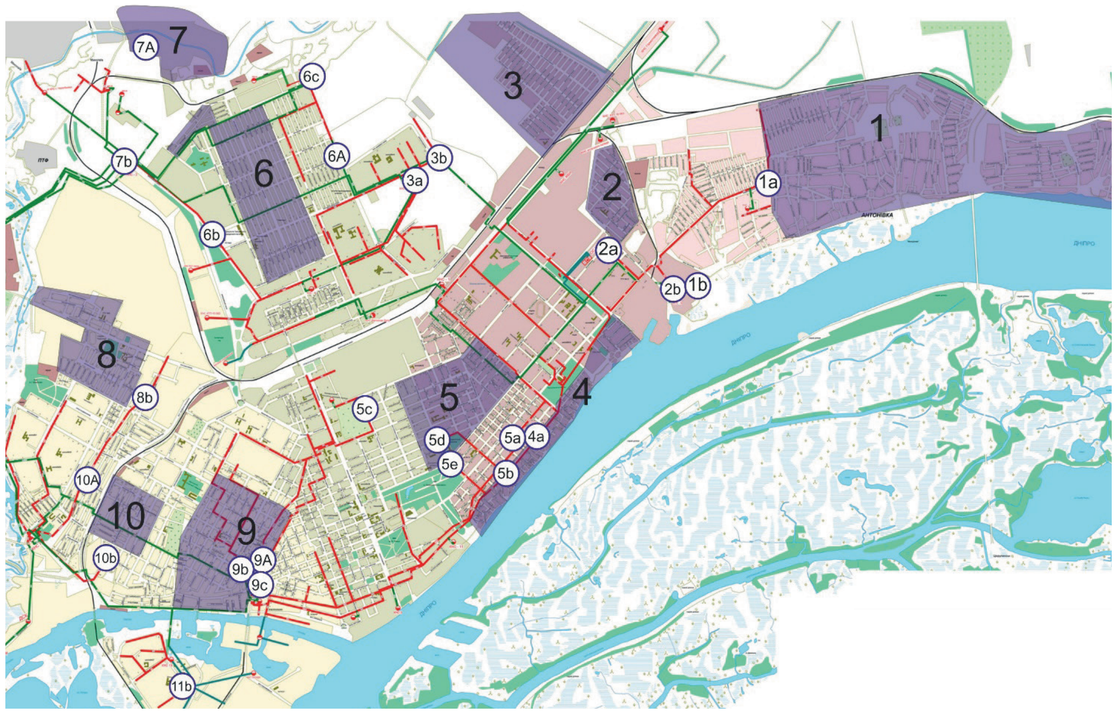
Drainage system



Not drainage system



Sewage network	**297,6** *km*
Sewage pumping stations	**17**
Sewage treatment facilities	
Object capacity	**250** *thousand m3 per day*
Average daily volumes drainage	**47** *thousand m3 per day*

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During the temporary occupation of the city by the occupation authorities, the following were stolen and taken away:

- all modern special equipment;
- mechanisms, tools, and equipment;
- office equipment.
- 15 units of special equipment were damaged during the shelling of the city.

NEEDS:

6.8 million euro

Restoration of the pressure collector - the central pumping station of the city sewage system. Destroyed by shelling, restoration

21.6 million euro

Restoration of the leading equipment of city treatment facilities and bringing the purity of wastewater up to standards. Reconstruction

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RECONSTRUCTION OF THE NORTH-KOMYSHAN WATER intake site which was destroyed and looted due to military operations

670 000 euro

Provision of high-quality drinking water (as required by DSanPin 2.2.4-171-10) to 7,000 residents of the Komyshan Starostyn district of the Kherson community.

3 million euro

Restoration of the Upper-Antonivsky water intake (provides drinking water to 200,000 community residents). 12 artesian wells and equipment were destroyed by shelling, the cost of restoration

RECONSTRUCTION OF THE WATER SUPPLY from VNS-1 to Molodizhna str

The cost of the project is

1.7 million euro

- Ensuring the supply of high-quality drinking water to residents of the central part of the community.
- Improvement of the sanitary-epidemiological condition of the community.
- Reduction of risk factors for the failure of residents' plumbing equipment.
- Ensuring reduction of water loss by 9.8 thousand m3

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143 000 euro

Restoration of the overhead cable line from the transformer substation "Kindiyka" to the transformer substation 380, damaged by shelling, frequent blackouts, and voltage drops, restoration

240 000 euro

Restoration of the cable line from the "Conservna" substation to the water supply pumping station - 2, damaged by shelling, frequent blackouts, and voltage drops, restoration

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The cost of the project is

1.1 million euro

- Construction and equipment of a new drinking water quality laboratory.
- Ensuring quality water research for the community according to 106 indicators.
- Ensuring the implementation of Directive 98/83/EC "On the quality of water intended for human consumption."
- A certified drinking water laboratory is a mandatory condition for obtaining a license for centralized water supply.
- The use of the laboratory as a regional one for the Kherson region will ensure the control of the quality of drinking water and the improvement of the sanitary-epidemiological condition of the Kherson region.

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