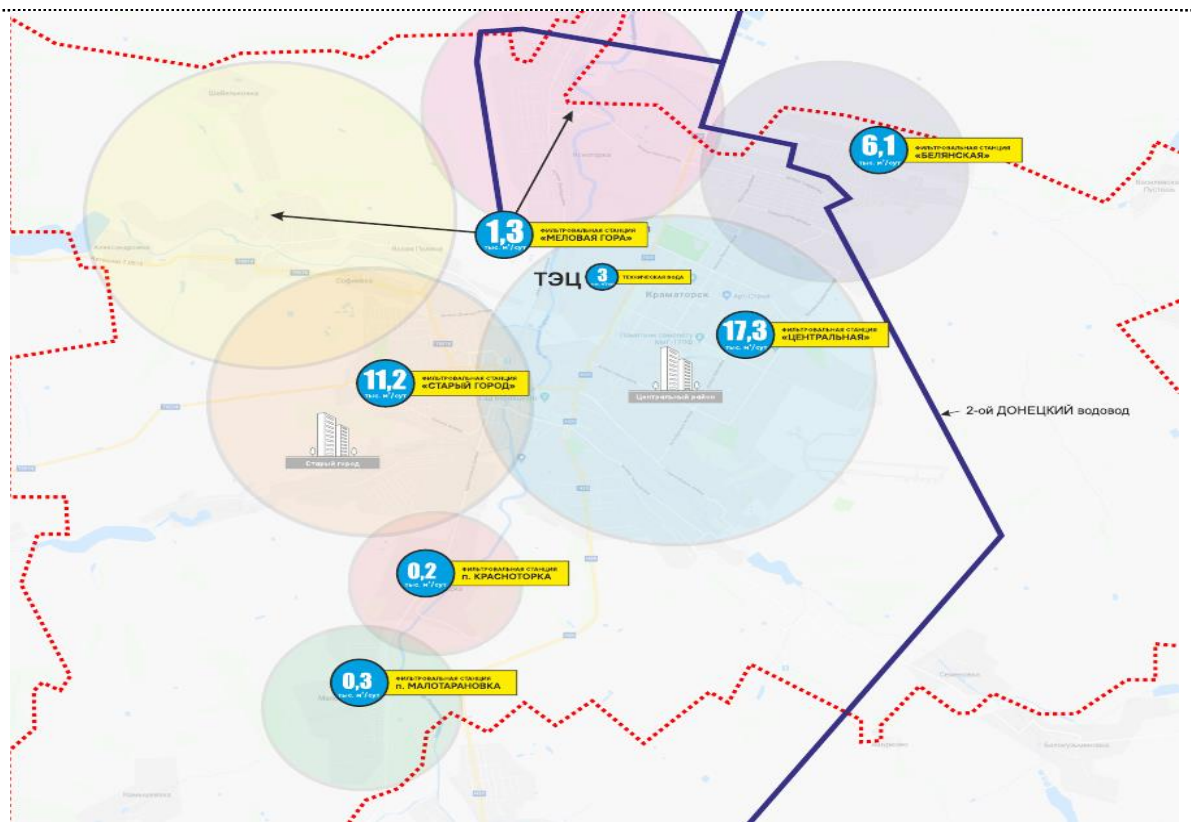


Construction of Water Collection Structures Using Local Promising Sources for Alternative Water Supply of Kramatorsk Territorial Community

Project description	
Project initiator	Kramatorsk City Council
Project concept	The project envisages reconstruction of existing and construction of additional wells with modern local water purification and disinfection systems, installation of pumping stations and construction of water supply networks with their subsequent connection to existing water supply networks, which will provide stable and uninterrupted water supply to the city and surrounding villages.
Project goal	Improving the supply of the population of Kramatorsk Territorial Community with quality drinking water and reducing water losses
Compliance with strategic documents and justification of priorities	The project correspond to the strategic goal 2 "Quality of Life and Human Development" of the Development Strategy of Donetsk Region for the period up to 2027
Research of the problem that will be solved within the project implementation	<p>The use of water from surface sources increases the likelihood of deterioration of its quality (wastewater discharges, the spread of infections) and / or reduction in quantity due to changes in thermal regime of the air, reducing precipitations and, consequently, river runoff.</p> <p>Currently, due to excessive wear of the water supply system, the level of technological and commercial losses of drinking water tends to 50%.</p>
Estimated project cost, ths. UAH	~ 281926.68 ths. UAH
Project implementation mechanism	<p>At the first stage of the project, it is planned to organize own water intake on the left side of Kazennyi Torets River near Yasnohirka Village. It is currently known that the flow rate from the existing 4 wells is 1,080 m³/day, to increase water intake it is necessary to drill several wells at the distance of 150-200 m, while the total flow rate of possible water intake will be up to 10,000 m³/day, Malotaranivka Urban Settlement and Krasnotorka Urban Settlement with the productivity of wells - 2800 m³/day, Shabelkivka Urban Settlement - 2200 m³/day.</p> <p>During the project implementation, it is planned to build additional wells with modern local systems for additional treatment and disinfection of water, equip pumping stations and build water supply networks with their subsequent connection to existing water supply networks, will provide the stable and uninterrupted water supply to the population of the city and adjacent villages, and will also reduce costs for purchased water.</p>
Main financial indicators of the project	Reduction of water cost to 0.124 €/m ³ .
Project implementation period	2 years
Approximate sources of project funding	Possible application of the mechanism of public-private partnership, donor (grant), budget of Kramatorsk City Territorial Community

Project implementation stage	Project idea. (Feasibility study developed in 2017. Needs adjustment)
Stakeholders and expected outcome of the project	Target groups: <ul style="list-style-type: none"> - all residents of the territorial community (185 thousand); - internally displaced persons (approximately 49 thousand).
Characteristics of the object (existing or newly created)	
Location of the object	The best world practices show that the optimal location of new drinking water supply facilities is their close proximity to the final consumer. This allows to reduce water losses in the networks and minimize the possibility of secondary pollution during the transportation of treated water (especially important in the existing conditions with worn-out water mains). Taking into account the geographical features of Kramatorsk and the existing municipal water supply network, the optimal location of the designed new water intakes and filtering stations is their close proximity to the existing main distribution water supply stations.
Description of existing facilities or those proposed to be created as part of the project	<p>1. Central Filtering Station. Reconstruction with construction of groundwater intake. Geological exploration of the groundwater deposit and construction of wells is planned to be carried out at the existing site of the filtering station.</p> <p>2. Bielianska Filtering Station. New construction of the filter station in the area of the existing Belianskyi water intake. It is necessary to build clean water tanks.</p> <p>3. Stare Misto Filtering Station. New construction of the filter station in the area of the existing water supply unit (its reconstruction and use of clean water tanks is possible). It is necessary to build additional clean water tanks.</p> <p>4. Kreidiana Hora Filtering Station. Geological exploration of the groundwater deposit and construction of wells is planned to be carried out at the existing site of the water supply unit. Existing clean water tanks are used.</p> <p>5. Filtering station of Malotaranivka Urban Settlement. New construction of filtering station and water intake for local water supply of Malotaranivka Urban Settlement.</p> <p>6. Filtering station of Krasnotorka Urban Settlement. New construction of filtering station and water intake for local water supply of Krasnotorka Urban Settlement.</p>
Form of ownership	Communal
Description of related infrastructure	Access to electricity and water supply systems is available
Land plot area, ha	Community territory
Land plot status	-

Territorial
planning



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