

Construction of a biogas plant on the territory of a landfill in Ukrainsk city

Project description	
Project initiator	Selydove City Council
The essence of the project	Use of municipal waste as energy resources. The creation of a waste processing enterprise on the territory of the community will make it possible to process 26 tons of waste per day
Project goal	Improving the waste management system in the region.
Compliance with strategic documents and assignation of priorities	<p>Complies with the National Waste Management Strategy in Ukraine until 2030, approved by Order No. 820-R of the Cabinet of Ministers of Ukraine dated November 08, 2017 (with amendment). The strategy includes the construction of stationary facilities for thermal waste disposal.</p> <p>Operational goals 4.2. Sustainable waste and hazardous chemicals management of Strategic Goal 4 environmental safety and balanced environmental management of the Donetsk Region Development Strategy for the period up to 2027.</p>
Study of the problem that will be solved as part of the project implementation	<p>On the territory of the city council there is one landfill of Municipal solid waste (MSW), which is located in a Tsukrova balka between the Ukrainsk and Gornyak cities in a spent sand pit. By the decision of the executive committee of the City Council of 20.04.2011 No. 6/7-200, the landfill was transferred to the balance of municipal enterprise "Komunalnyk" of the Selydove City Council.</p> <p>The Solid Waste Landfill has been in operation since 1960. The sanitary protection zone of the landfill in relation to the residential zone is maintained in accordance with the State Sanitary Rule No. 173-96 "planning and development of settlements", appendix No. 4 (standard - 500m, Hazard Class 2), the actual distance to the border of the residential zone is 300 m.</p> <p>Disposal of municipal solid waste is carried out using storage technology. The design capacity of waste disposal is 712372.3 tons, the design area of the landfill is 9.1424 ha, the occupied area is 9.1424 ha. In December 2017, the company received a passport of the waste disposal site, agreed with the State Department of Environmental Protection in the Donetsk region, Derzhhirpromnahliad in the Donetsk region.</p> <p>The existing landfill of Municipal solid waste does not fully meet the requirements of sanitary and environmental standards, and it is not a specialized engineering structure, so it needs to be upgraded.</p> <p>Preliminary marketing research of demand and competitive market analysis were not conducted.</p> <p>The project requires an environmental impact assessment procedure.</p>
The estimated cost of the project amounts, thousand UAH	1 810 000,0
Project Implementation Arrangement	private investment, in particular on the terms of public-private partnership, funds from the state and local budgets
Key financial indicators of the project implementation	Undefined
Project implementation term	2022-2023

Indicative funding sources to finance the project	Private investment, state and local budget funds
Project Implementation Arrangement	Project idea
Interested parties and expected result of the project implementation	<p>Target groups:</p> <ul style="list-style-type: none"> - Executive authorities and local self-government bodies. All parties interested in attracting investment, creating new jobs, and solving the problem of municipal waste recycling. They can provide various types of guarantees. - Municipal enterprises. The opportunity to become owners/co-owners of capacities, consumers of the product. - Operators of electric networks. Maybe conflict of relationships (in the case of receiving electrical energy as a product). - Citizens. Maybe conflict of relationships in case of insufficient information support for the project. <p>The ultimate beneficiary – is unknown</p>
Characteristics of an object (existing or newly created)	
Location of the object	Ukrainsk city, Donetsk region, Ukraine.
Description of existing objects or those that are proposed to be created as part of the project implementation	Biogas plant it will make it possible to process 26 tons of waste per day.
Form of property	Communal, public or private
Related infrastructure	<p>Access to transport infrastructure: The nearest settlement is 1.3 km northeast of Grnik city. Distance to Kramatorsk city - 114.0 km.</p> <p>Availability and distance to public infrastructure: There is no centralized water supply or drainage system.</p> <p>There is no power supply.</p>
Land area, hectare	<p>Land area, 9,5424 hectare</p> <p>The land plot is leased by municipal enterprise "Komunalnyk" of the Selydove City Council.</p>
Land plot status	Communal property.
Levelling of land	No information available

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