

Construction of a biogas complex for processing household fecal wastewater

Project description	
Project initiator	Private enterprise "Ascona"
The essence of the project	<p>Construction of a biogas complex for processing excess active slurry, slurry stock placed on drying beds at the biological wastewater treatment plant of municipal enterprise "mvu VKH" with the production of biogas, electricity and heat. Processing of silt residues after biogas digesters is provided in a pyrolysis or pellet plant, producing carbon dioxide for industrial purposes with a cost 2 times lower than that produced by the traditional method.</p> <p>In the future, it is also proposed to dispose of bottom slurry in the waters of the Sea of Azov in the area of the Belosaray spit, Yalta.</p>
Project goal	Improvement of the Waste Management System, production of alternative fuels.
Compliance with strategic documents and assignation of priorities	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 provides for increasing the level of recycling of household waste. In the period up to 2023, up to 23 percent of municipal waste should be recycled in the country.
Study of the problem that will be solved as part of the project implementation	<p>The region annually generates about 0.5 million tons of municipal waste, the total amount of landfilled wastes is 18.5 million tons. In addition, the territories of the region's cities have significant areas of urban organic waste filtration fields.</p> <p>As a result of the project implementation, it is possible to obtain a production facility that disposes of urban organic waste without harmful emissions, also providing the production of renewable energy resources, which can reduce the cost of clean water and reduce the cost of Housing and communal services.</p>
Estimated project cost	5,450 million dollars USA.
Project Implementation Arrangement	Debt money, it is possible to use the instruments of the Kyoto Protocol, targeted programs of the EBRD, etc.
Key financial indicators of the project implementation	The payback period of the project is from 3 to 5.84 years.
Project implementation term	Implementation period-10-18 months
Indicative funding sources to finance the project	Debt money
Project Implementation Arrangement	Developed by the feasibility study
Interested parties and expected result of the project implementation	<p>Target groups:</p> <ul style="list-style-type: none"> - The Mariupol city territorial community is interested in creating new jobs and solving the problem of waste disposal. - Municipal enterprises. - Citizens.

Characteristics of an object (existing or newly created)

Location of the object	Mariupol City . The location address is not defined. The possibility of placing this production facility in the area of the biological wastewater treatment plant of the municipal enterprise "Mariupol Production Directorate of wastewater disposal organization" of the Mariupol City Council is being considered.
Description of existing objects or those that are proposed to be created as part of the project implementation	Investment funds planned be spent on the purchase of a biogas complex
Form of property	Private
Related infrastructure	Distances to public infrastructure objects and description of adjacent infrastructure will be determined after allocation of required plot of land.
Land area, hectare	The plot is not defined. Approximately it is planned to be placed in the area of the biological wastewater treatment plant municipal enterprise "Mariupol Production Directorate of wastewater disposal organization"
Land plot status	The plot is not defined.
Levelling of land	

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