European Investment Bank

Luxembourg, 26 November 2025

Environmental and Social Completion Sheet (ESCS)

Overview

Project Name:	LIETUVOS ENERGIJA VILNIUS CHP PROJECT
Project Number:	20150433
Country:	Lithuania
Project Description:	Construction of two biomass-fired and waste-to-energy-fired CHP plants with total capacity of 88 MWe and 227 MWth supplying electricity to the national grid and heat to the district heating system in Vilnius.

Summary of Environmental and Social Assessment at Completion

EIB notes the following Environmental and Social performance and key outcomes at Project Completion.

The Project concerned the deployment of two biomass-fired and waste-to-energy-fired CHP plants supplying electricity to the national grid and heat to the district heating system in Vilnius, Lithuania. The Waste-to-Energy unit has the capacity of 56 MWth and 20 MWe and produced 149.73 GWh of electricity and 410.15 GWh of heat in 2024. The Biomass unit has the capacity of 160 MWth and 71,337 MWe and produced 292.02 GWh of electricity and 807.62 GWh of heat in 2024.

Lithuania uses the RED BP (Baltpool) biomass sustainability certification scheme that centrally certifies most of the biomass traded in the country. This ensures the high-quality standards of the biomass traded in the country.

The project obtained all necessary environmental permits, including the Integrated Pollution Prevention Permit, and has not encountered any major environmental issues, indicating that mitigation measures have been effective. Emissions from the Waste to Energy unit, such as flue gases, wastewater, and noise, were independently tested and found to be well within required limits, with operational performance meeting or exceeding expectations. The project also implemented advanced environmental monitoring systems, including those for mercury, dioxins, and furans, to ensure ongoing compliance. In addition, a range of public awareness campaigns, educational initiatives, and collaborations with NGOs were carried out to promote responsible waste management and environmental education. The introduction of the Unified Accounting Information System for Products, Packaging, and Waste (GPAIS) further ensures traceability and regulatory compliance..

In 2019 promoter has obtained the relevant permit under Industrial Emissions Directive 2010/75/EC from Environmental Protection Agency.

The Project allows generation of heat and electricity from high efficiency and renewable sources and thus contributes to Environmental and Social Sustainability. The project features both a Waste to Energy unit and a Biomass unit, each designed to generate heat and electricity using high-efficiency technologies. Both units use renewable sources – municipal waste and sustainably sourced biomass – as their primary fuels. Independent testing confirmed that the facilities operate efficiently, with emissions and performance parameters meeting or exceeding contractual guarantees.

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No significant environmental issues were noted during the implementation and in addition the projects have generated positive environmental impacts, notably by reduction of GH emission and contributing towards climate change mitigation.

Summary opinion of Environmental and Social aspects at completion:

EIB is of the opinion based on reports from the promoter that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.