

Public Environmental and Social Data Sheet

Overview

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| Project Name: | SMART METERING DEPLOYMENT |
| Project Number: | 2018-0709 |
| Country: | Lithuania |
| Project Description: | The project concerns the installation of approx. 1.2 million electricity smart meters in Lithuania in the period 2020-2023 to replace the existing electromechanical meters; this corresponds to approx. 66% of all the installed meters in the country at present. The project includes the related IT infrastructure as well as the development of a Data Hub (i.e. a data exchange platform for the electricity market participants). |

EIA required: no

Project included in Carbon Footprint Exercise¹: no

(details for projects included are provided in section: "EIB Carbon Footprint Exercise")

Environmental and Social Assessment

The new metering system will allow for remote readings, near real-time consumption information and communication with consumer devices. The deployment of smart meters is expected to lead to operational savings for the Promoter, energy savings for the consumers and increased energy market efficiency.

Environmental Assessment

The project is not subject to an Environmental Impact Assessment as per Directive 2014/52/EU amending the EIA Directive 2011/92/EU.

The main impacts of the project are the electromagnetic radiation resulting from the communication means used for collecting the information from the smart meters and the disposal of the existing meters that will be replaced.

The design of the metering system, including the type of communication, is not defined yet. Once the design is finalized, the Promoter, in cooperation with the relevant national institutes, will carry out measurements to ensure that exposures to radiation from smart meters comply with the limits set out in the guidelines published by international organisations (for example the International Commission on Non-Ionizing Radiation Protection, ICNIRP). Assessments of smart meter systems in other countries have found exposures that are small in relation to the limits in the ICNIRP guidelines.

¹ Only projects that meet the scope of the Pilot Exercise, as defined in the EIB draft Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: above 20,000 tons CO₂e/year absolute (gross) or 20,000 tons CO₂e/year relative (net) – both increases and savings.

Luxembourg, 15.6.2020

Regarding the disposal process of the meters, it will be done in line with the national legislation, with subcontractors that have the appropriate certifications in order to reduce the environmental impact of the waste.

Whilst the project may facilitate energy savings, in itself the project is not expected to have significant impact on CO2 emissions. As a conservative approach, the savings in end-user consumption have not been considered in the Carbon Footprint calculation.

Other Environmental and Social Aspects

The Promoter's environmental, health and safety systems are ISO 45001 and OHSAS 18001 certified.

The Promoter processes personal data of approximately 1.6 million consumers according to the requirements of the General Data Protection Regulation (EU) 2016/679 and national legislation.

Conclusions and Recommendations

The Bank reviewed the environmental and social capacity of the promoter including its organisation, processes and procedures, and deemed them to be good.

Based on the information available, the project is expected to have minor residual impacts and thus is acceptable in environmental terms for Bank financing.