

## Environmental and Social Completion Sheet (ESCS)

### Overview

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| Project Name:        | ELERING EMERGENCY RESERVE POWER PLANT  |
| Project Number:      | 2013-0623  |
| Country:             | ESTONIA  |
| Project Description: | The project consists of an expansion of a dual-fuel (gas with light fuel oil as backup) reserve power plant in Kiisa, northern Estonia from 110 MW to 250 MW. The promoter is Elering, the transmission system operator (TSO) of Estonia. The purpose of this power plant is to provide electricity system ancillary services (demand response, secondary response, reactive power, black start capability) that TSOs are required to arrange. |

### Summary of Environmental and Social Assessment at Completion

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

The project falls under Annex 1 of the EU EIA Directive 2011/92/EU and thereby has been subject to a full EIA. The competent authority, Keskkonnaamet, had prior to appraisal issued the environmental permit based on this assessment and the public consultation carried out.

The EIA included assessments of adjacent Natura 2000 areas, protected habitats and species. One Natura 2000 site (Kurtina-Vilivere hoiuala) was not covered by the EIA. This protected area is a section of Kelia River that is protecting otter, river mussel and river vegetation. The distance to this protected area is 2.2 km from the project, and it is situated upstream from the project site. The competent authority has confirmed, following an appropriate assessment, that the project is not likely to have any significant negative effects on the protected area of Kurtina-Vilivere hoiuala.

The project gas engines have guaranteed efficiencies over 42%, corresponding to Emission Performance Standard (EPS) value (when using gas fuel) below 475 gCO<sub>2</sub>/kWh. Emissions from first year of operations reached 490 gCO<sub>2</sub>/kWh, including commissioning activities. This corresponds in absolute terms to 5795 tons of CO<sub>2</sub>.

No significant environment or social issues were noted during implementation and first year of operation.

#### **Summary opinion of Environmental and Social aspects at completion:**

EIB is of the opinion based on reports from the promoter during construction, that the Project has been implemented in line with the EIB environmental and social standards as applicable at the time of appraisal.