

Environmental and Social Data Sheet

Overview

Project Name: SNAM LNG CNG STATIONS
Project Number: 2017 0496
Country: Italy
Project Description: The project consists in the development of a network of 110 natural gas refuelling stations for CNG (Compressed Natural Gas) and LNG (Liquefied Natural Gas) in Italy.

EIA required: no

Project included in Carbon Footprint Exercise¹: yes

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

Environmental and Social Assessment

Environmental Assessment

The project is part of the Cleaner Transport Facility (CTF), a joint initiative by the European Commission and the Bank. The CTF aims at accelerating the deployment of the Alternative Fuels Directive to step up the pace towards low emissions mobility.

The project consists of the deployment of a network of 110 Compressed Natural Gas (CNG) stations among which 9 will also distribute Liquefied Natural Gas (LNG). The project components consist of short connections to the distribution networks and the respective fuelling stations. The stations are using proven technologies. They are expected to have limited environmental impact, which will typically be related to noise nuisance and disturbance during construction and, for a large part of them, to the industrial risks of works implemented on existing fuelling stations. After completion, the environmental impact of the ordinary operation of the fuelling stations will be even reduced when the gas supply will be provided by the gas grid rather than with trucks.

The project components fall under Annex II of Directive 2011/92/EU as amended by 2014/52/EU requiring a determination/opinion made by the respective national authorities for environmental impact including the impact on sensitive areas, which include nature conservation sites.

This project is not expected to negatively affect the air and water of local environment.

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 100,000 tons CO₂e/year absolute (gross) or 20,000 tons CO₂e/year relative (net) – both increases and savings.

Luxembourg, 26th October 2018

EIB Carbon Footprint Exercise

Absolute CO₂ emissions from the incremental gas consumption of 4100 TJ as a result of this project are estimated at 230 kt CO₂eq/yr. The emission factor for natural gas used for calculation is 56.1 t CO₂/TJ. The alternative to the project would be continuation of conventionally fuelled vehicles with liquid fossil fuel (i.e. Gasoline and Diesel).

Under these assumptions, the emission savings are estimated at 17 kt CO₂eq/yr.

Other Environmental and Social Aspects

The main benefits of the project are expected on air quality with significant reductions of Sulphur, Particle Matter and NO_x.

Conclusions and Recommendations

The introduction of new CNG and LNG stations will enable Natural Gas vehicles to reduce significantly their air pollutants emissions through the switch from more polluting conventional fuels. The deployment of alternative fuel infrastructure is aligned with the EC Strategy for Low-Emission Mobility and promoted by EU policy on emissions reduction objectives in the transport sector.

The following condition for disbursement shall be included in the finance contract:

“The promoter shall provide evidence that the project has been subject to a determination/opinion made by the competent Italian authority.”

With above conditions, the project is considered acceptable for EIB financing from an environmental and social point of view.