

Environmental and Social Data Sheet

Overview

Project Name:	A2A Ambiente
Project Number:	2013 0011
Country:	Italy
Project Description:	Investment programme in waste collection and treatment activities and in hydro-energy production plants
EIA required:	no
Project included in Carbon Footprint Exercise ¹ :	yes

Summary of Environmental and Social Assessment, including key issues and overall conclusion and recommendation

The waste sector part of the programme comprises components aimed at rehabilitating, extending and upgrading the Promoter's waste management systems and facilities. A new material recovery facility for glass has been screened out by the Competent Authority and no EIA is required. Other components relating to existing facilities and systems will not cause increased emissions or other additional environmental impacts, hence existing permits will still be valid. Overall, these components are expected to have a positive net environment impact, considering their contribution to increasing materials and energy recovery from waste, and to decreasing the environmental and climate change impact from current facilities and operations. The investments will contribute to compliance with the Waste Framework Directive 2008/98/EC and the Landfill Directive 99/31/EC by ensuring continued and increased diversion of waste from landfills and by increasing source separation and recovery of bio-waste.

The hydropower sector investments consist of the refurbishment and repowering of a number of hydro plants owned and operated by the Promoter in the regions of Lombardy and Calabria. As the hydropower investments relate to existing power plants they will generate minor environmental impacts which are basically restricted to the construction phase. None of the investments are expected to require an EIA. Positive environmental impacts will instead be created by the increased production from renewable energy following the upgrade and life extension of the hydro plants.

In case some of the project components do require an EIA the Promoter shall submit the non-technical summary of the EIA to the Bank for review and publication on the Bank's website. In case any of the schemes may potentially have impacts on nature conservation sites the Promoter shall receive the relevant consent from the competent authority regarding the Habitats and Birds Directives and inform the Bank of such consent having been obtained.

Environmental and Social Assessment

Environmental Assessment

The waste sector component comprises the following three sub-components: Refurbishment and upgrades of two existing waste incineration plants aimed at increasing the energy recovery and maintaining the efficiency and performance; Procurement of low emission waste collection vehicles; and construction of a new recovery facility for source separated glass. Together these sub-components will contribute to compliance with the Waste Framework Directive 2008/98/EC and the Landfill Directive 99/31/EC.

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.

The new material recovery facility will be built about 5 km east of the centre of Asti, in an industrial area where there are no sensitive receptors within 1km from the facility. The facility will not impact on Natura 2000 areas.

The Lombardy Region has increased the share of commercial & industrial waste that the WtE plant located in Milan is allowed to treat from 10% of total waste inputs to 30%. The Regional Environmental Protection Agency (ARPA) and the Municipality have confirmed that with the upgrading of the flue gas treatment systems the project will not result in increased emissions and hence a new EIA is not required. The authorisation prescribes noise monitoring to ensure noise levels remain unchanged. The IPPC permit (Autorizzazione Integrata Ambientale AIA) issued by the Region will be updated for the plant to reflect the permitted change in waste treatment limitations.

EIB Carbon Footprint Exercise

The estimated annual emission savings are 27,300 tonnes of CO₂ equivalent per year considering the increased generation of renewable energy from the hydropower plants, and the renewable share of the increased energy output from the upgraded Silla 2 waste incineration plant.

For the baseline emissions the emission factor was calculated for 75% with the operating margin (OM) which is the fossil grid factor for Italy (0.593 kg/kWh based on OECD 2009 statistics) and for 25% with the build margin (BM) which is related to CCGT generation (0.354 kg/kWh).

For the additional renewable electricity generation from Silla 2 plant a renewable energy share of 51% has been assumed in line with the Ministerial Decree 18/12/2008 "Incentives for the production of electricity from renewable resources".

For the annual accounting purposes of the EIB Carbon Footprint, the project emissions will be prorated according to the EIB lending amount signed in that year, as a proportion of project cost'.

Social Assessment, where applicable

Not applicable.

Public Consultation and Stakeholder Engagement, where required

Not applicable.

Other Environmental and Social Aspects

Not applicable.