

Environmental and Social Data Sheet

Overview

Project Name:	VANTAA EDUCATION INFRASTRUCTURE
Project Number:	2015-0014
Country:	Finland
Project Description:	The project consists of the financing of investments in education infrastructure in the City of Vantaa during 2015-2019, comprising both the construction of new infrastructure as well as the restoration, renovation or extension of existing facilities.
EIA required:	Yes

An EIA covering the area of the project sites was carried out in 2001 for the ring-railway. The Competent Authority, the Environmental Centre for Uusimaa, approved the EIA in August 2001. The Kivistö-area's district and town plans are based on the findings of the EIA. This EIA includes one of the schools on the list of sub-projects. This railway project has been financed by the bank (VANTAA RING RAIL LINE) and the EIA already published on the EIB website. The other renovations and extensions are not supposed to need environmental assessments. The chance that an EIA will be required is thus limited. In case an EIA is required by the local authority, the promoter shall transmit the NTS to the Bank as an undertaking.

Project included in Carbon Footprint Exercise¹: NO

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

The European Directive 2011/92/EU amended by 2014/52/EU on Environmental Impact Assessment (EIA) does not specifically mention construction works for education activities. However, in the case of urban development, Annex II of the EIA Directive applies. An EIA was carried out in 2001 for the ring-railway. The Kivistö-area's district and town plans are based on the findings of the EIA. This EIA includes one of the schools on the list of sub-projects. This railway project has been financed by the bank (VANTAA RING RAIL LINE) and the EIA already published on the EIB website. The other renovations and extensions are not supposed to need environmental assessments. The chance that an EIA will be required is thus limited. In case an EIA is required by the local authority, the promoter shall transmit the NTS to the Bank as an undertaking.

The new buildings will have high environmental standards; the simulations for the newly built sub-components of the project show that the selected technical solutions make it possible to achieve energy consumption levels considerably lower than the applicable regulations.

Therefore the project is acceptable for Bank financing.

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.

Environmental and Social Assessment

Environmental Assessment

Energy efficiency

The latest Finnish regulation concerning energy efficiency targets came into force 1st June 2013. The officially set energy consumption target value for new school buildings is 170⁰kwh/m². In Vantaa, all the new school designs are required to follow the city council's more ambitious target of energy consumption; max 140⁰kwh/m².

In selected Near-Zero-Energy-Buildings the calculated targets are even lower, between 76.5 and 88.1⁰kwh/m². However, the data show that the selected technical solutions make it possible to achieve considerably low levels of energy consumption. The average consumption levels achieved in public buildings, schools included, was 61.9⁰kWh/m³ in 2013, including evening and weekend use of the facilities; 41.9 kWh/m³ for heating, and 19.8 kWh/m³ for electricity.

Urban planning

The new and renovated school buildings are and will be integral parts of local urban development and town planning. The Plan covering Kivistö area is available at:

http://www.vantaa.fi/instancedata/prime_product_julkaisu/vantaa/embeds/vantaawwwstructure/101592_231600_selostus_naht_15_09_2014.pdf

The international One Planet Living initiative (www.oneplanetliving.com) is being applied for the first time in Finland to the planning of the residential area of Kivistö. It aims to make sustainable and resource-wise living comfortable, inexpensive and easy. One Planet Living refers to the application of ten principles aimed at enhancing ecology and well-being to zoning, construction and the planning of local services. The goals include the reduction of carbon emissions and waste, favouring local food and raw materials, and the preservation of biodiversity.

Kivistö, where Aurinkokivi School and day care center will be constructed is one of the fastest growing and developing centers in Vantaa and in the Helsinki metropolitan area. Kivistö had a population of 8⁰317 in 2013, but the figure is estimated to increase to more than 14⁰000 by 2023. According to a rough estimate, there will be some 30⁰000 inhabitants in the Kivistö area in 2030–2040.

EIA

An EIA was carried out in 2001 for the ring-railway. The Kivistö-areas district and town plans are based on the findings of the EIA. This EIA includes one of the schools (Aurinkokivi 1.valhe koulu) parts of the list of sub-projects. This railway project has been financed by the bank (VANTAA RING RAIL LINE (2008-0663)) and the EIA already published on the EIB website.

The other renovations and extensions are not supposed to need environmental assessments. The chance that an EIA will be required is thus limited. In case an EIA is required by the local authority, the promoter shall transmit the NTS to the Bank as an undertaking.

Historical buildings

No historical buildings included.

Natura 2000

There are no projects in or close to Natura 2000 areas.

Social Assessment, where applicable

The social benefits of providing modern, fit for purpose, dedicated primary and secondary education facilities, with all the necessary support amenities, are expected to be significant.

Public Consultation and Stakeholder Engagement, where required

The Promoter will ensure compliance with national and European environmental and nature regulations and facilitate the access by the public to environmentally relevant information in accordance with the Bank's Transparency Policy.