

Energy Efficiency in Public Buildings in the City of Ivano-Frankivsk, Ukraine

Client

Nordic Environmental Finance Corporation (NEFCO)

Country

Ukraine

Duration

from 12.2014 to 05.2015

Services of iC

- Feasibility study
- Socio-Economic assessment
- Investment Programme
- Conceptual design
- Energy Management System
- Capacity building
- Financial Projections
- Application for E5P financing
- ToR for PIU Support



Project objectives

The main Goal of the Project was to increase energy efficiency of public buildings in Ivano-Frankivsk. The project aimed to develop an Investment Programme in compliance with the City's long-term energy strategy, as well as with its municipal energy plan

Project description

NEFCO was considering credit and grant financing to the City of Ivano-Frankivsk in order to increase energy efficiency of a number of its public buildings, with the primary objective of reducing natural gas consumption and carbon dioxide emissions

Project data

The Project covered 51 buildings (kindergartens, polyclinics, schools, etc.), aimed to increase the comfort level in public buildings and positively impact more than 22 thousand children

Project specifics

- Installation of new insulated doors, new plastic doors
- Thermal insulation of walls and roof
- Replacement of windows
- Insulation of distribution pipes
- Replacement of incandescent bulbs
- Reconstruction and balancing of heating system
- Replacement of old stoves
- Installation of Individual Heating Substations with automatic control
- Installation of local ventilation systems with heat recovery
- Restoration of ventilation system in the kitchen

Services

- Socio-economic analysis
- Technical assessment of the short-listed buildings / Benchmarking and energy management
- Improvement of the Energy Management System in the city
- Development of Priority Investment Programme & Long-Term Strategic Investment Programme
- Conceptual Design
- Financial Projections and Implications for the City Budget
- Strategies of PIP implementation and procurement
- Preparation of the Terms of Reference for PIU support
- Development of application for E5P financing