Project «Supporting Green Urban Development in Small and Medium-Sized Cities in Belarus» / GREEN CITIES

Development and adoption of green urban development plans
- An integrated approach to urban planning: energy efficiency, mobility, built environment and public realm, waste management, water consumption, renewable energy, smart technologies, biological diversity, adaptation to climate change, etc. - everything is combined in a synergetic way with participation of local stakeholders in planning and decision making.
- Sustainable development of regions, including development of tourism and ecotourism.
- Improving the quality of life and modern architectural image of cities.
- Low carbon technology.
- New economic and social prospects for citizens, cultural and civic initiatives, small businesses and startups.
- Introduction of ‘green’ mechanisms (“green” procurement and investment).
- Tools for monitoring the effectiveness of urban development.

Development of pilots on sustainable urban transport in Polatsk and Navapolatsk
- Common sustainable urban mobility plan optimizes the movement of people and goods in urban space.
- Sustainable public transport is competitive with private cars: speed, comfort, affordability and convenience.
- Reduction of harmful emissions positively affects the environment and human health.
- Public transport services are available to all citizens, including the disabled and the elderly.
- Sustainable transport drives tourism sector development.
- Changing conditions of mobility of cities increases their attractiveness for new enterprises (businesses).
- Bicycle in a green city means mobility, safety, a healthy lifestyle and friendly environment.
- Pedestrian areas are full of activity and life and provide a comfortable environment.

Development of pilots on energy efficiency in Navahrudak
- The use of energy-saving technologies is cost-effective.
- Installation of LED smart street lighting leads to lower costs and greenhouse gas emissions.
- Improved lighting reduces injuries.
- Improved lighting enhances overall safety.

Replication mechanisms for green urban development in Belarus
- Expert support in the development of the Sustainable Energy and Climate Action Plans (SECAP), Baranavichy, Prużany, Liozna, Mozyr, Skhodnica.
- Support in the development of the “SymbioCity-Brest-2050” concept.
- Green Urban Development Web Portal.

Project goal:
Promotion of green urban development plans and pilot green urban development initiatives related to energy efficiency and sustainable transport in small and medium cities in Belarus.

National executing entity:
Ministry of Natural Resources and Environmental Protection of the Republic of Belarus.

Donor:
GEF

Implementing agency:
UNDP

Budget:
$3 091 000

Duration:
2016-2021
PROJECT OUTCOMES

IMPLEMEN​TATION OF A SMART STREET LED LIGHTING SYSTEM IN NAVAHRUDAK

- 400 LED lights
- 25 control panels installed

Possible energy savings of 30-40%

Expected economic effect — 146 thousand kWh per year

INSTALLATION OF SMART-METERS FOR ACCOUNTING OF CONSUMED RESOURCES IN A RESIDENTIAL BUILDING IN NAVAHRUDAK

- Smart meters save up to 5-10% of resource consumption for households

EXPERIMENTAL MODELS FOR THE TRANSFORMATION OF DISTRICTS IN POLACK, NAVAPOLACK, NAVAHRUDAK in accordance with the Green Urban Development Plans objectives

DEVELOPMENT OF PILOTS ON SUSTAINABLE URBAN TRANSPORT IN POLATSK AND NAVAPOLATSK

- Expansion of the bicycle network and bicycle infrastructure
- Allocation of lanes for public transport
- Installation of modern public transport stops and information boards
- Optimization of traffic, introduction of the "green" wave, automated coordination of traffic lights
- Measures to limit the movement of cars and control traffic

CREATION OF OPEN CARTOGRAPHIC MATERIALS (20 electronic maps for each pilot city), which include data on the state of the housing stock, quality of development, distribution of population density (for the first time for cities of Belarus), green areas, accessibility of public transport stops and other urban infrastructure

91.1 thousand tons of CO₂ — the total direct reduction in CO₂ emissions resulting from the implementation of pilot initiatives and the replication of experience gained

Project team:
Republic of Belarus
Minsk, 220030
22A Krasnoarmeyskaya str. office 15
Tel: +375 17 399 97 87
www.greencities.by