



ELENA Project Factsheet

Energy Efficiency Programme for Buildings and Facilities of Bratislava

Location	<i>The Capital City of Slovak Republic Bratislava</i>
Beneficiary	<i>The Capital City of Slovak Republic Bratislava</i>
CoM signatory	<i>Yes</i>
Sector	<i>Energy efficiency and renewable energy investments in public buildings and street lighting</i>
Total PDS cost	<i>EUR 1,507,200</i>
Elena contribution	<i>EUR 1,356,480</i>
Project development services (PDS) financed by ELENA	<p><i>ELENA will co-finance both establishing of a Programme Implementation Unit and provision of external services required for programme implementation.</i></p> <p><i>The Programme Implementation Unit will be composed of an Investment Programme Implementation Manager, 2 Technical Experts, a Financial Expert and an Assistant. The Programme Implementation Unit will be responsible for overall coordination of all actions planned under the investment programme.</i></p> <p><i>External expert support will be used for project preparation (energy audits, technical studies), counselling on project financing and legal support (development of contractual framework, public procurement process).</i></p>
Description of ELENA operation	<p><i>The project aims at improving the energy efficiency of public buildings and public lighting systems located in Bratislava using Energy Performance Contracting approach. The programme proposed has a substantial scale for a city of that size as well as a high level of ambition in terms of energy performance objectives set. It is a first project of that kind in Slovakia. The ELENA assistance contributes substantially to the implementation of the investment programme by bringing in missing resources and expertise. The ELENA support is designed with the aim of strengthening the city capacities in the area of utilisation of ESCO services and EPC.</i></p>
Timeframe	<i>January 2016 - December 2018</i>
Basis for investment identification	<ul style="list-style-type: none"> <i>• A complex data collection on the city buildings has been executed in the summer of 2013. The data collection and assessment were focused on actual technical state and energy consumption in 2012. Based on the results the framework for the investment programme has been prepared.</i> <i>• Data on the public lighting system were collected within a questionnaire survey organised by the Energy Centre Bratislava in cooperation with Slovak Technical University (Faculty of Electrical Engineering) in 2006.</i> <i>• The plan on utilisation of the ESCO concept is based on several studies prepared mostly by Energy Centre Bratislava. Additionally a collection of EPC best practice examples from Czech Republic, Austria and Germany have been used within development of the investment programme concept.</i>

Investment programme description	<i>The investment programme aims at improving the energy efficiency of public buildings and public lighting systems located in Bratislava. The buildings and systems are owned by the city. The programme will be managed and implemented by the city through an ELENA supported Programme Implementation Unit. The project will use an Energy Performance Contracting approach for implementation of investments, where the city will enter into an agreement with contractors (ESCO companies). The ESCO companies will carry out the renovation works, provide the bulk of project financing, maintain the facilities and guarantee the contractually agreed level of savings over the duration of the contract.</i>
Investment to be mobilised	<i>EUR 66,100,000</i>
Expected results	<ul style="list-style-type: none"> • <i>Energy savings of 34,357 MWh/a</i> • <i>Renewable energy generation of 5,017 MWh/a</i> • <i>GHG emission reduction of 9,260 tCO₂eq/a.</i>
Leverage factor (Minimum 20)	<i>49</i>
Market replication potential	<i>The market replication potential of the project is considerable. The project is using a relatively new concept of Energy Performance Contracting for implementation. It is expected that lessons learned from carrying the project in Bratislava will allow other Slovakian local authorities to follow similar path. City of Slovakia is planning to use the ELENA support to build internal capacity for dealing with EPC projects to be able to carry out similar operations in future and also to advise other local authorities in similar endeavours.</i>
Project status	<i>Contract signed 26/11/2015</i>
Contact person at Beneficiary	<i>Miroslav Muska, muska@bratislava.sk</i>