



ELENA Project Factsheet Prague Energy (PENERGY)

Location of planned investments	City of Prague
Final Beneficiary	City of Prague
Final Beneficiary's address	Mariánské náměstí 2/2 11000 Praha 1 - Staré Město Czech Republic
Sector(s) of investment	Energy Efficiency in Buildings Renewable Energy Sources
Total Project Development Services (PDS) cost	EUR 1 910 600
ELENA co- financing	EUR 1 719 540 (90%)
Project Development Services (PDS) financed by ELENA	<p>The City of Prague will establish a dedicated ELENA team reporting to the City's Energy Manager, which will consist of six staff with administrative, financial and technical background. These experts will be hired from existing staff and/or newly hired for the ELENA PENERGY project. The City's ELENA Team will take up the management and coordination of the PDS activities and the implementation of the Investment Programme. The required technical expertise will be hired externally. The City's ELENA Team will manage contracts and cooperation with external experts.</p> <p>In preparation for each component of the Investment Programmes, the City's ELENA Team will be supported by external service providers providing technical, financial, procurement external advice, as well as marketing services. The preparatory activities supported will include the performance of energy audits, preparation of the required technical documentation, the execution of design requirements, assessment of energy savings, preparation of the required technical documentation for grant financing from structural funds under the Operational Programme of Environment (OPE) and/or Modernisation Funds, tender documents preparation (including EPC contracts).</p>
PDS Timeframe	From February 2022 to January 2025
Investment programme description	<p>The Investment Programme consists of investments for the energy efficiency refurbishment of around 100 municipal buildings belonging to the City of Prague. The selection of the buildings for the IP, from a stock of 1,600 buildings, will be carried out by external consultants. The IP will be divided into two components:</p> <ul style="list-style-type: none"> This first component includes the deep energy efficiency refurbishment of approx. 40 schools (80 buildings in total). The renovation will be co-financed by the EU structural Funds under the OPE or by the Modernisation Fund and equity. This requires at least energy savings of 25% to be achieved and to reach a

	<p>minimum energy class C for the buildings after the renovation. The exact measures to be implemented will be determined by the energy audits and will include the following measures: envelope insulation, windows replacement, HVAC renovation, lighting replacement, PV panels' installation. Targeted energy savings are 46%, in average. The investment target for the first component is EUR 42.3m.</p> <ul style="list-style-type: none"> The second component is the energy efficiency renovation of 60 public buildings through Energy Performance Contracting (EPC) model. Buildings under this component will include all types of public buildings such as schools, sport facilities, social facilities and cultural facilities. Under this component, the energy efficiency measures to be implemented will be the ones having a suitable payback for EPC contracting. The City expects to achieve 26% of energy savings in this component, with an associated investment volume of EUR 7.7m
Investment amount to be mobilized	EUR 50m
Description of the approach to implement the Investment Programme	<p>The Investment Programme is structured in line with the plan for renovation introduced in the SECAP developed for the City of Prague. It consists of two parts, according to the type of financing of the investment:</p> <ul style="list-style-type: none"> Part 1 (EE investments in schools): the energy efficiency projects will be executed through standard renovation methods because the expected payback for the EE measures to be implemented is not suitable for EPC contracting. The renovation project will be implemented by a construction company. Part 2: the EE projects in public buildings will be performed through EPC contracting, with the ESCOs being responsible for the implementation of the EE investments. <p>The two investment components will be performed simultaneously.</p>
Expected results of investments planned	<p>The total estimated contributions are:</p> <ul style="list-style-type: none"> Energy Efficiency – Annual total energy saved 36 GWh representing a reduction of 31% compared to the baseline. Renewable Energy – Annual total 1 GWh, of RE electricity generation. CO2 reductions – Annual total reductions of 12,600 CO2 eq t representing a reduction of 31% compared to the baseline. Jobs retained or created - in 415 equivalent FTE.
Leverage factor (Minimum 20)	29
Status	Contract signed on 20/01/2022
Contact person at ELENA beneficiary	Jaroslav Klusák – jaroslav.klusak@psoe.cz