ELENA Completed Project Factsheet

Accelerate Powered by the European Energy Efficiency Fund (EEEF)

Location of planned investments	The beneficiary is located in Luxembourg Investments were in Spain, Italy and Lithuania
Final Beneficiary	European Energy Efficiency Fund (EEEF)
Final Beneficiary's address	31 Z.A. Bourmicht, Bertrange, 8070, Luxembourg
CoM signatory	No
Sector	Energy efficiency in street lighting Energy Efficiency and renewable energy in buildings Energy efficiency in local infrastructure
Total PDS costs	EUR 2 021 217
ELENA contribution	EUR 1 819 095
Project development services financed by ELENA	The Project Development Services (PDS) financed by ELENA provided support to the European Energy Efficiency Fund (EEEF) to support public beneficiaries in developing bankable sustainable energy investment programmes. The TA Facility used the ELENA grant to provide the following PDS: • Technical feasibility studies (e.g. outlining ex-ante energy baselines, energy mapping of the existing infrastructure, proposing improvement measures with estimated savings) • Financial calculations as a basis for the economic proposal of ESCO (Energy Service Company) tenders using Energy Performance Contracting (EPC) • Preparation of the tendering documentation containing technical and financial components. The PDS services were provided through external consultants who were contracted by the EEEF for each public beneficiary. ELENA also provided consultant support to EEEF to help manage the TA Facility.
Description of ELENA operation	The EEEF issued Calls for Proposals to public beneficiaries located in EU Member States. These Calls attracted interest from those seeking support to prepare and develop sustainable investment projects. All successful bids were then provided with expert advice by dedicated consultants to help prepare investment tenders.
Timeframe	01 February 2017– 30 June 2021
Investment programme description	The EUR 67.1m investment programme consisted of the following projects which were chosen for support through calls for proposals issued by EEEF: • **Spain: City of Gijón** - EUR 23.0m in energy efficiency measures in streetlighting and energy efficiency lighting buildings - EUR 19.4m in energy efficiency measures in approximately 42,900 public streetlighting units; Estimated average unit costs ~EUR 453/lamp - EUR 3.6m in energy efficiency lamps and luminaires in 83 non- residential public buildings, along with sensor installation measures in 25 buildings. Estimated average unit costs ~EUR 37,660 in each of the83 buildings and

	~EUR 18,000 in each of the 25 buildings. • **Italy, Ferrara** - EUR 30.9m in energy efficiency measures in streetlighting and public buildings - EUR 28.8m in energy efficiency measures in approximately 26,500 public streetlighting units; Estimated average unit costs: ~EUR 1000/lamp. Note this also includes necessary network and systems upgrades that were needed for the LED upgrades and smart controlsystem. - EUR 2.1m in Energy efficiency measures in public buildings; Estimated average unit costs ~EUR 255/m2 to ~EUR 575/m2 • **Italy, Ducal Palace** - EUR 9.0m in energy efficiency measures in a non-residential public building; Estimated unit costs: ~EUR 240/m2 • **Lithuania, Kaunas** - EUR 4.2m in energy efficiency measures in public streetlighting Estimated average unit costs: ~EUR 454/lamp
Investment in implementation phase	EUR 67.1m
Results expected to be achieved	The energy savings correspond to 40 GWh/year, Final energy production by RES is estimated at 3 GWh/year CO_2 annual reduction of at 11,500 t/year.
Leverage factor achieved	36
Lessons learnt	• **Need for TA to prepare projects through Energy Performance Contracting (EPC)**: There was a continuous demand for the TA Facility among various public authorities in the EU to prepare successful energy investment programmes through EPC, highlighting the expertise required. • **Usefulness of TA**: The advantages local authorities received from the TA Facility programme include: (i) constant monitoring, management and coordination among the involved parties (ii) timeframe reduction, (iv) selectionof experienced consultants, and (iv) facilitation in the completion process of allthe project development services. • **Importance of worth of mouth and success in a region to help promotion**.Programmes from the TA Facility are becoming a successful model to be replicated in other different sectors at regional, local and national levels. Furthermore, there are potential sectors more interested in EPC at regional/local levels.
Further information sources	eeef TA Facility - European Energy Efficiency Fund eeef
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