



Technical Assistance to massify the energy refurbishment of public buildings and infrastructures

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Executive Agency for Small and Medium-Sized Enterprises (EASME)

Clean Energy for all Europeans package

Leading the energy transition
creating value for citizens and business



Putting energy efficiency
first



Demonstrating global leadership in
renewables



Delivering a fair deal for
consumers

"Smart Finance for Smart Buildings"

7 projects

More effective use of public funds

- Deploying **Financial Instruments** and flexible energy efficiency and renewable financing models
- Building on EFSI blending with ESIF funds



38 projects

Assistance and aggregation

- Supporting the project pipeline at EU and local level
- **Project Development Assistance** facilities
- "One-stop-shops"



13 projects

De-risking

- Understanding the risks and benefits for financiers and investors
- The De-risking Energy Efficiency Platform
- EEFIG Underwriting toolkit





Aggregation - Project Development Assistance

Call H2020-LC-SC3-EE-11-2018-2019-2020

- **Build** technical, economic and legal **expertise** needed for project development
- **Develop organisational innovations** and minimise transaction costs
- High degree of **replicability**
- **Remove** legal, administrative and other market **barriers**
- **Aggregate** (pooling, bundling) **projects** to reach critical size
- **Mobilize private finance**

H2020 PDA: main features

- Sectors targeted:
 - Public and private buildings
 - Industry and services
 - Urban transport
 - Existing infrastructures (street lighting, water/wastewater)
- **Investments launched** before end of the action!
- **1:15 leverage ratio**
- **Proposals from 1 single entity are eligible**
- EU contribution 100%
- Budget 2018: EUR 7 million
Budget 2019: EUR 6 million

Deadline: **4 sept. 2018** (or 3 sept. 2019)

ELENA in the H2020 work programme

Project promoters

(ex: regions, municipalities, fleet operators)



Bankable projects in:

- Energy efficiency and distributed renewable energy
- Urban transport

Budget in 2018? EUR 35 million

Size of investments?

> EUR 30 million

Leverage ratio?

1:20 for energy projects

EU contribution?

Max 90% of eligible costs

How to apply?

Manage by the EIB

No call: elena@eib.org



European City facility

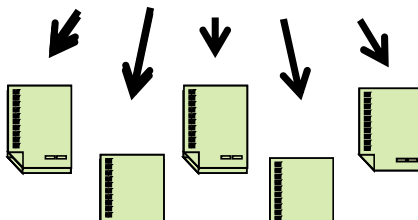
Call H2020-LC-SC3-EE-17-2019



Financial support and services to municipalities (or groupings)

Via simplified “cascade funding”

(max. lump sum: EUR 60,000)



Mobilisation of investments

(incl. combination with EFSI, ESIF, PDA, investment platforms)

Develop solid and innovative investment concepts

- Potential project pipeline with critical investment scale
(e.g. pooling projects and/or bundling with neighbouring constituencies)
- Financing strategy and process to launch investments, considering different financing routes
- Legal and governance analysis etc.

Deadline: 5 Feb. 2019

Comparison of Financing Models



	Facilitator		Integrator		Financing only
	No aggregation	Aggregation	No aggregation	Aggregation	
ESCO financing	REDIBA Eco'Energies EERFS	Berlin ESP RE:FIT VEB Rotterdam GB EE Milan PadovaFIT!	-	-	N/A
Financial institutions	REDIBA Eco'Energies EERFS	Berlin ESP RE:FIT VEB ENSAMB Energie POSIT'IF	Warm Up North	-	N/A
Program Delivery Unit financing	OSER	Fedesco Ox Futures	OSER	Fedesco Energie POSIT'IF Eandis EDLB EscoLimburg 2020 SPEE Picardie	N/A
Investment Fund	EERFS SUNSHINE	-	-	EscoLimburg 2020 Cambridgeshire MLEI	Energy Fund Den Haag KredEx
Citizens financing	-	Ox Futures Brixton Energy Co-op	-	-	Climate Community Saerbeck

Project website: <http://citynvest.eu/>

Horizon 2020 project 649730



Rhodoshop

Rhodope region (BG) - Ongoing

- Follow-up of Cityinvest
- Set-up a one-stop-shop to act as a procurement agency on behalf of public authorities
- Undertake energy retrofitting works in their buildings and street lighting
- Trigger a total of EUR 13.2 million investment (*leverage 1:28*)

Project website: *not available yet*

- Innovation?
 - Establish a "Project Development Unit "
 - Capacity building
 - "Joint Procurement" of innovative Energy Performance Contracts (EPCs)
- Replication potential?
 - Build on the experience of GRE-Liege financial model RENOWATT
 - Model largely replicable in Eastern Europe

Horizon 2020 project 748425



MLEI ZagEE

City of Zagreb (HR) - Completed



- Triggered EUR 22.6 million of energy investments
 - Energy refurbishment of 48 public buildings
 - Replacement of 1,337 old lamps
- Achieved leverage factor of 1:20

- Innovation?
 - Structured and financed a large-scale investment programme
- Replication potential?
 - Foundation for further investments of EUR 20 million (44 buildings and 1,800 lamps) within 3 years
 - Largely replicable in eastern Europe

Project website: <http://zagee.hr/>

IEE-MLEI Project 12-816



2020TOGETHER

Metropolitan City of Torino and Piedmont Region (IT) - Completed



- Triggered EUR 12.5 million of energy investments
 - Change & management of heating systems in 118 buildings owned by the city of Torino
 - Energy refurbishment of 18 public buildings owned by 5 small municipalities
 - Bundling of 3,000 lighting points in the city of Torino and 6 small municipalities
- Achieved leverage factor of 1:26

- Innovation?
 - "Joint Procurement" of innovative Energy Performance Contracts (EPCs)
 - Third Party Finance involving an ESCO and financial institutions
- Replication potential?
 - Joint procurement and EPC in public buildings
 - Make PPP and Third Party Investment a common practice

Project website: <https://goo.gl/NcrnMi>

IEE-MLEI Project 13-841



More information

- H2020 participant portal
 - LC-SC3-EE-11-2018-2019-2020 topic description: <https://goo.gl/nQqiqR>
 - LC-SC3-EE-17-2019 topic description: <https://goo.gl/RDrn7o>
 - H2020 Online Manual: <https://goo.gl/qKb8bo>
- SEI Forums webpage: <https://goo.gl/csmFQb>
 - Proceedings from all events
 - Thematic **webinars**, incl. “*Renovation of Public Buildings in Europe*”: <https://goo.gl/ejB1j4>
- Questions & Answers: EASME-Energy@ec.europa.eu

THANK YOU !

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