

Financing of Energy Saving Projects

Programming period 2014-2020

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Yanna Nikou

**Unit for the Co-ordination of NSRF Projects (Energy Sector)
Ministry of Environment and Energy**

Partnership Agreement 2014 – 2020

Main Objectives

- Increase productive investment and employment
- Reduce unemployment
- Restore per capita income to pre-crisis levels
- Increase total productivity
- Reduce dependence of the economy from internal consumption
- Improve competitiveness and trade balances
- **Protect / enhance the natural environment and improve quality of life in the built environment**
- Reduce the economic, social and territorial disparities and achieve a direct and visible modernisation of the State with promotion of all the necessary structural changes across all sectors.

*The economic sectors that will be given priority and are expected to have the greatest contribution to economic growth are: tourism, **energy** and agro-food system.*

Partnership Agreement 2014 – 2020

Key Development Strategic Priorities include, among others:

- Protection of the environment - shift towards a low carbon economy
 - ✓ Protection of the environment
 - ✓ Promote climate change adaptation - risk prevention and management
 - ✓ **Transition to a low carbon economy (including energy efficiency)**

- Development - modernization - completion of infrastructure for the economic and social development
 - ✓ Transport networks – specific emphasis on the completion of TEN-T, vertical axes and multimodal knobs
 - ✓ **Energy networks**
 - ✓ Broadband Networks



Funds and Programmes

European Structural and Investment Funds (ESIF)

Total Amount: 20,84 bn €
(EU Contribution)

European Regional Development Fund (ERDF)

8,16 bn €

(EU Contribution)

7 Sectoral
Operational Programmes

13 Regional Operational
Programmes



Thematic objectives for Energy

Energy

Thematic Objective 4
«Supporting the shift towards a low-carbon economy in all sectors»

ESIF Funds
Total amount available

1.313.090.725,00 €
(EU contribution)

Thematic Objective 7
«Promoting sustainable transport and removing bottlenecks in key network infrastructures»

ESIF Funds
Total amount available

1.664.801.695,00 €
(EU contribution)



Operational Programmes

■ SECTORAL OPERATIONAL PROGRAMMES

- ✓ **O.P. COMPETITIVENESS, ENTREPRENEURSHIP, INNOVATION (3,646 bn €)**
- ✓ **O.P. TRANSPORT INFRASTRUCTURES, ENVIRONMENT & SUSTAINABLE DEVELOPMENT (4,334 bn €)**
- ✓ O.P. EMPLOYMENT – EDUCATION (2,105 bn €)
- ✓ O.P. REFORM OF PUBLIC SECTOR (0,377 bn €)
- ✓ O.P. RURAL DEVELOPMENT (4,234 bn €)
- ✓ O.P. FISHERIES (0,389 bn €)
- ✓ TECHNICAL ASSISTANCE (0,318 bn €)

■ **13 REGIONAL O.P.s (5,279 bn €)**

Energy efficiency



Funding sources for Energy

**Operational Programme
for Competitiveness,
Entrepreneurship
and Innovation**

**13 Regional
Operational
Programmes**

**Operational Programme
for Infrastructures,
Environment and
Sustainable
Development**

**Funds for
energy projects**

Total (In terms of EU contribution): 917,6 m €

Electricity: 165 m €

RES: 93,5 m €

Natural gas: 120,1 m €

CHP: 30,9 m €

Energy efficiency: 461,8 m €

Smart metering: 46,3 m €

↳ (households 227,4 m €, public buildings 194,9 m €, SMEs 39,5 m €)



Funds per intervention field

Intervention Field	TOTAL	O.P. for Competitiveness, Entrepreneurship and Innovation	O.P. for Infrastructures, Environment and Sustainable Development	13 Regional Operational Programmes
Electricity	164.999.999,00	164.999.999,00	0,00	0,00
Natural gas	120.135.696,83	94.499.999,00	0,00	25.635.697,83
Renewable energy: biomass	47.399.998,00	47.399.998,00	0,00	0,00
Other renewable energy (including hydroelectric, geothermal and marine energy)	46.136.500,00	18.000.000,00	13.736.500,00	14.400.000,00
Energy efficiency renovation of public infrastructure, demonstration projects and supporting measures	194.875.828,50	10.000.000,00	24.883.000,00	159.992.828,50
Energy efficiency renovation of existing housing stock, demonstration projects and supporting measures	227.437.460,00	193.999.999,00	0,00	33.437.461,00
Intelligent Energy Distribution Systems at medium and low voltage levels (including smart grids and ICT systems)	46.310.456,00	38.710.456,00	0,00	7.600.000,00
High efficiency co-generation and district heating	30.888.145,00	0,00	19.800.000,00	11.088.145,00
Energy efficiency and demonstration projects in SMEs and supporting measures	39.449.234,00	25.049.234,00	0,00	14.400.000,00
Promotion of energy efficiency in large enterprises	0,00	0,00	0,00	0,00
TOTAL	917.633.317,33	592.659.685,00	58.419.500,00	266.554.132,33



Main investment priorities

**Improving energy efficiency
of buildings and businesses**

*grants, loans,
guarantees, etc.*

Energy infrastructure:

- Enhance electricity and natural gas transmission & distribution networks
- Smart meters

grants

Promote RES & CHP

*grants, loans,
guarantees, etc.*



Project planning in the field of energy

Energy efficiency

- Households
- Public buildings
- Private buildings
- SMEs / tertiary sector

Tools: grants, loans, guarantees, etc.

Energy infrastructure

- Smart meters
- Interconnections to mainland transmission system (Cyclades islands / Crete - PCI)
- Upgrading transmission and distribution system for natural gas

Tools: grants

RES - CHP

- Financial support to RES and/or CHP projects

Tools: loans, guarantees, grants, etc.



Energy efficiency measures

Projects:



- **Energy efficiency in households**
- **Energy efficiency in public buildings**
- **Energy efficiency in private buildings** (e.g. Office buildings, hotels, warehouses, malls, hypermarkets, etc.)
- **Energy efficiency in the tertiary sector / SMEs** (e.g. energy management systems, upgrading production systems, etc.)

Grants and/or Fund providing incentives to carry out interventions (replacement of doors/windows - frames/glazing- and installation of shading systems, installation of heat insulation on a building shell including the terrace/roof and pilotis area, upgrading of the heating and hot water supply systems), aimed at improving the buildings' energy efficiency, while at the same time contributing to the achievement of Greece's energy and environmental targets.



Energy efficiency measures

Projects:

■ Energy efficiency in households

- ✓ Low income of owner
- ✓ Investments that go beyond minimum energy performance requirement levels

■ Energy efficiency in public buildings

- ✓ Interventions in high energy consuming buildings
- ✓ Selection based on specific characteristics
 - ❖ Use of building, operation profile, age of equipment, total surface, energy category
- ✓ Investments that go beyond minimum energy performance requirement levels





Energy efficiency measures

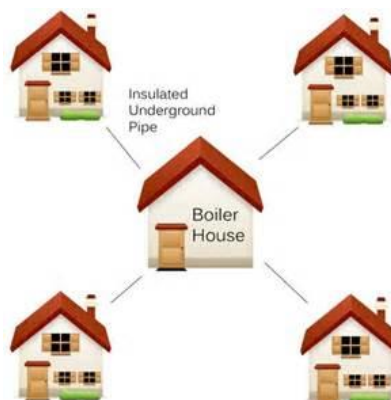
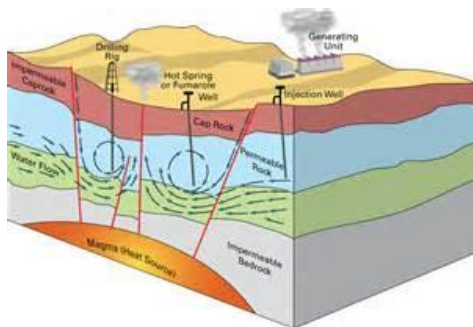


- **Energy efficiency in private buildings** (e.g. Office buildings, hotels, warehouses, malls, hypermarkets, etc.)
 - ✓ Interventions in high energy consuming buildings
 - ✓ Selection based on specific characteristics
 - ❖ Use of building, operation profile, age of equipment, total surface, energy category
 - ✓ Investments that go beyond minimum energy performance requirement levels

- **Energy efficiency in the tertiary sector / SMEs** (e.g. energy management systems, upgrading production systems, etc.)
 - ✓ Interventions in buildings and processes
 - ✓ Requirement for energy audit



Promote RES - CHP



- **High efficiency co-generation of electricity and heating** (financial assistance to businesses)
 - ✓ Biomass – organic residues
 - ✓ Geothermal
 - ✓ Development – upgrading of district heating networks

Ex-ante Conditionalities / Energy Efficiency

- **4.1:** Actions have been carried out to promote cost-effective improvements of energy end use efficiency and cost-effective investment in energy efficiency when constructing or renovating buildings.
 - ✓ Measures to ensure minimum requirements are in place related to the energy performance of buildings consistent with Article 3, Article 4 and Article 5 of Directive 2010/31/EU of the European Parliament and of the Council
 - ***Requirements are not fulfilled (Calculation of cost-optimal levels of minimum energy performance requirements is pending)***
 - ✓ Measures necessary to establish a system of certification of the energy performance of buildings consistent with Article 11 of Directive 2010/31/EU
 - ✓ Measures to ensure strategic planning on energy efficiency, consistent with Article 3 of Directive 2012/27/EU of the European Parliament and of the Council
 - ✓ Measures consistent with Article 13 of Directive 2006/32/EC of the European Parliament and of the Council on energy end-use efficiency and energy services to ensure the provision to final customers of individual meters in so far as it is technically possible, financially reasonable and proportionate in relation to the potential energy savings



Thank you

