

Funds and Incentives for Energy Efficiency in Buildings in Portugal

**IEA Energy in Buildings and Communities
Technical Day**

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Energy Efficiency Fund

Energy Efficiency Fund

The **Energy Efficiency Fund** aims to support programs and measures under the NEEAP (National Energy Efficiency Action Plan) with three main objectives:

- Promote energy efficiency projects by citizens and enterprises,
- Support energy efficiency projects in areas where these projects had not yet been developed,
- Promote behaviour change in this area.

Through specific calls, supports energy efficiency projects in areas such as Transport, Residential and non-Residential, Industry, Agriculture, State and Behaviors that contribute to the reduction of final energy consumption.

Energy Efficiency Fund: Previous calls in Residential and Public sector

Call and project typology	Beneficiaries and budget allocation
<p>Call 3 - Efficient Building 2012</p> <p>Installation of solar thermal collectors and efficient windows. The applications for support were submitted through ESCOs (Energy Service Companies) and suppliers of energy solutions</p>	<p>Owners of buildings or fractions</p> <p>1.700.000 €</p>
<p>Call 5 - State 2012</p> <p>Energy audits in public buildings/equipment, to support tender procedures for Energy Performance Contracts</p>	<p>State entities</p> <p>250.000 €</p>

Energy Efficiency Fund: Residential and non-Residential 2015

Call and project typology	Beneficiaries and budget allocation
<p>Call 9 - Energy Audit to Elevators in non-Residential Buildings 2015</p> <p>Support for carrying out energy audits in elevators of office buildings through maintenance companies in order to improve its performance</p>	<p>Non-residential building owners</p> <p>400.000 €</p>
<p>Call 10 - Efficient Building 2015</p> <p>Support for total or partial isolation measures of opaque envelope when identified in Energy Performance Certificates as a way to promote energy rehabilitation of buildings</p>	<p>Private owners</p> <p>1.000.000 €</p>

Energy Efficiency Fund: Residential and non-Residential 2015

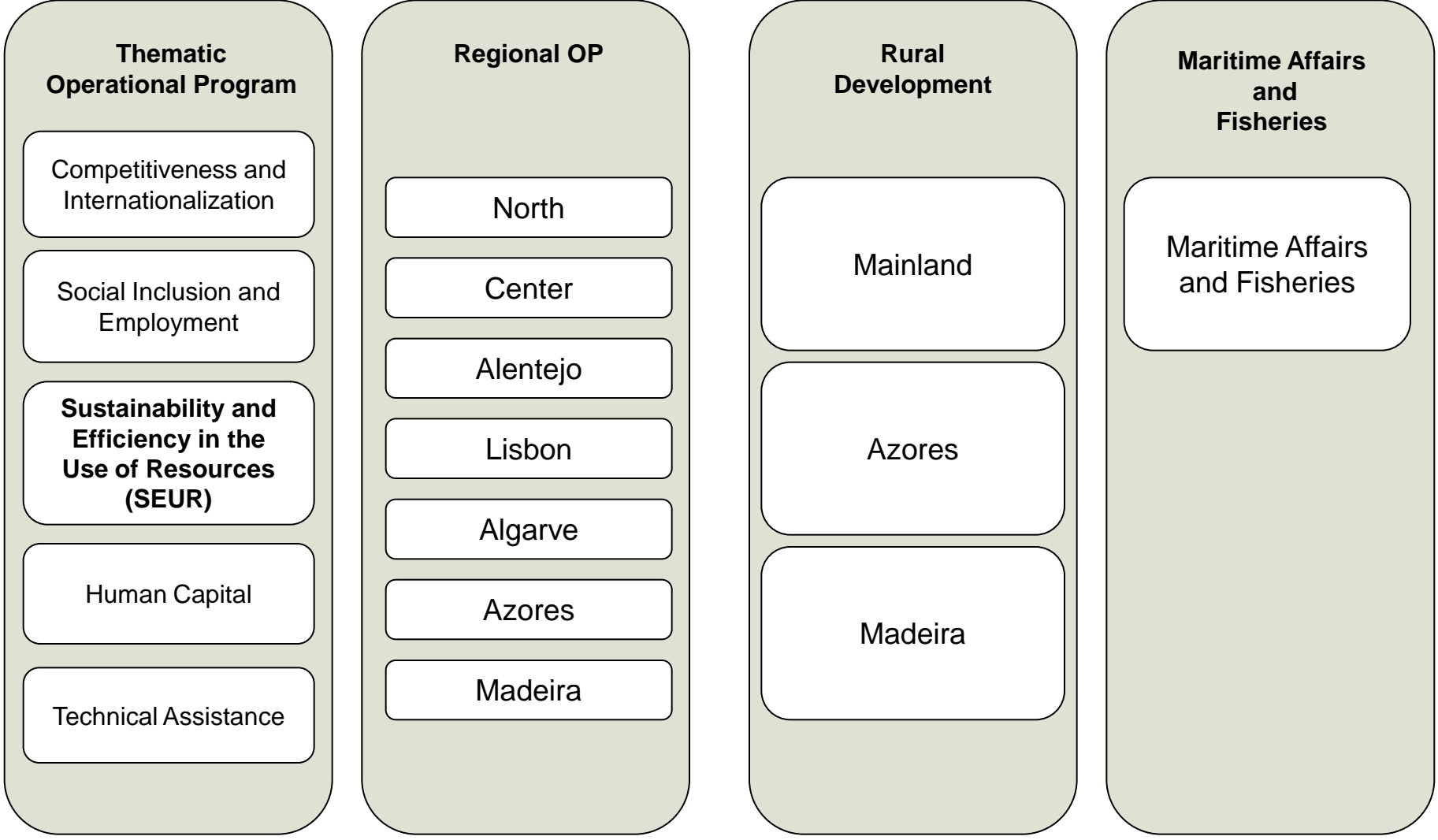
Call and project typology	Beneficiaries and budget allocation
Call 11 – Promoting Energy Efficiency in Hotels 2015 Installation of energy management systems in hotels	Hotels 400.000 €
Call 12 - Upgrading of Solar Thermal Systems 2015 Support to energy audits and interventions for rehabilitation of solar thermal systems in buildings owned by Social Solidarity Private Institutions (IPSS) and Sports Associations of Public Utility (ADUP)	IPSS/ADUP 500.000 €

Energy Efficiency Fund: Public Sector 2015

Call and project typology	Beneficiaries and budget allocation
<p>Call 17 - Action Plan for Energy Efficiency and Low Carbon in the State</p> <p>Provide support for the development of energy efficiency action plans and low-carbon plans to reduce energy consumption and carbon emissions in public sector</p>	<p>Public Sector (Central Government)</p> <p>350.000 €</p>
<p>Call 18 - Reduction of Reactive Energy Consumption in the State</p> <p>Support investments to avoid reactive power in public sector</p>	<p>Public Sector</p> <p>300.000 €</p>

Portugal 2020

Portugal 2020 - Operational Structure



Thematic Objective 4: Supporting the shift towards a low-carbon economy

Energy

Efficiency;
Renewable; and
Security of supply

- Promotion of production and distribution of renewable energy sources
- Promotion of energy efficiency and use of renewable energies in enterprises
- Energy efficiency and diversification in public infrastructure
- Energy efficiency and diversification in residential sector
- Intelligent distribution systems
- Ecological mobility with low carbon emission; and
- Territorial strategies for low carbon emission (including sustainable urban mobility)

This financial allocation aims the achievement of the national targets related to the Europe 2020 Strategy

Priorities and Budgets

INVESTMENT PRIORITY	INTERVENTION AREA	SEUR OP	REGIONAL OP
4.1. Promotion of production and distribution of renewable energy sources	Production and distribution of renewable energy sources	135 M€	-
4.2. Promotion of energy efficiency and use of renewable energies in enterprises	Energy efficiency and diversification in enterprises	-	97M€
4.3. Support of energy efficiency and renewable energy use in public infrastructures, namely in public buildings and residential sector	Energy efficiency and diversification in public infrastructure	200 M€	180 M€
	Energy efficiency and diversification in residential sector	200 M€	111 M€
4.4. Development and implementation of intelligent distribution systems	Intelligent distribution systems	120 M€	-
4.5. Promotion of low carbon emission strategies for all types of territories, namely in urban areas, including the promotion of sustainable urban mobility and relevant adjustment measures for the reduction	Low carbon territorial strategies (including sustainable urban mobility)	-	51 M€
	Ecological mobility with low carbon emission - fleets	102 M€	-
	Ecological mobility with low carbon emission - electric mobility network		-

Energy Efficiency and Renewable Energy - Enterprises

REGIONAL OP	97 M€
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Actions to support:

- Interventions in productive processes of the enterprises which are foreseen in an energy audit or energy efficiency study, showing the financial liquid gains, namely:
 - Interventions in the buildings envelope aiming the installation of thermal insulation on walls, floors, roofs and blind boxes as well as the replacement of window frames with single glazing and frames with double glazing without thermal cut, for window frames with double glass and thermal cutting, or equivalent solution in terms of energy performance, and respective shading devices
 - Interventions in installed technical systems, by its replacement for high efficiency ones, or through interventions in existing systems to increase their energy efficiency
- Interventions to promote renewable energy in enterprises for self consumption, as long as they're part of integrated solutions for energy efficiency which include:
 - Installation of solar thermal panels for hot water production
 - Installation of energy production systems for self consumption from renewable energy sources
- Audits, diagnostics and other studies needed for carrying out the investment, not compulsory by law, as well as "ex-post" independent evaluation that allows monitoring the performance and energy efficiency of the action

Energy efficient buildings - Central Administration

SEUR OP

200 M€

Actions to support:

- Interventions to increase energy efficiency of buildings and public facilities of Central Administration, including:
 - Interventions in the buildings envelope aiming the installation of thermal insulation on walls, floors, roofs and blind boxes as well as the replacement of window frames with single glazing and frames with double glazing without thermal cut, for window frames with double glass and thermal cutting, or equivalent solution in terms of energy performance, and respective shading devices
 - Interventions in installed technical systems, by replacing it for high efficiency ones, or through interventions in existing systems to increase their energy efficiency, namely integration of solar hot water systems, micro generation, lighting, heating, ventilation and air conditioning (HVAC)
 - Indoor and outdoor lighting, excluding street lighting
 - Installation of systems and equipment for the management of energy consumption
- Interventions to promote renewable energy in buildings and equipment of the Central Administration for self consumption, as long as they're part of integrated solutions for energy efficiency which include:
 - Installation of solar thermal panels for hot water production
 - Installation of energy production systems for self consumption from renewable energy sources
- Audits, diagnostics and other studies needed for carrying out the investment, and implementation of energy efficiency action plans as well as "ex-post" independent evaluation that allows monitoring the performance and energy efficiency of the action

Energy efficient buildings - Local Administration

REGIONAL OP

180 M€

Actions to support:

- Interventions to increase energy efficiency of buildings and public facilities of Local Administration, including:
 - Interventions in the buildings envelope aiming the installation of thermal insulation on walls, floors, roofs and blind boxes as well as the replacement of window frames with single glazing and frames with double glazing without thermal cut, for window frames with double glass and thermal cutting, or equivalent solution in terms of energy performance, and respective shading devices
 - Indoor lighting and interventions in existing technical systems, by its replacement by high efficiency ones, or through interventions in existing systems to increase their energy efficiency, namely integration of solar hot water systems, micro generation, lighting, heating, ventilation and air conditioning (HVAC)
 - Installation of systems and equipment for the management of energy consumption
- Interventions to promote renewable energy in buildings and equipment of the Local Administration for self consumption, as long as they're part of integrated solutions for energy efficiency which include:
 - Installation of solar thermal panels for hot water production
 - Installation of energy production systems for self consumption from renewable energy sources
- Interventions in public lighting systems, traffic signal systems and decorative lighting systems, such as monuments and gardens
- Audits, diagnostics and other studies needed for carrying out the investment, as well as "ex-post" independent evaluation that allows monitoring the performance and energy efficiency of the action .

Energy efficiency - Social Housing

REGIONAL OP	111 M€
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Actions to support:

- Operations that are prerequisites for the realization of interventions in social housing buildings in supported rent regime and public ownership, foreseen in energy audit or diagnosis that shows liquid financial gains, which may undertake the following typologies:
 - Interventions in the buildings envelope aiming the installation of thermal insulation on walls, floors, roofs and blind boxes as well as the replacement of window frames with single glazing and frames with double glazing without thermal cut, for window frames with double glass and thermal cutting, or equivalent solution in terms of energy performance, and respective shading devices
 - Interventions in hot water production and other technical systems, through its optimization or replacement by high efficiency systems
 - Indoor lighting
 - Installation of systems and equipment for the management of energy consumption
 - Interventions in ventilation systems, lighting and other energy systems of the common parts of buildings, allowing to generate energy savings
 - Interventions to promote renewable energy in the social housing for self consumption, as long as they're part of integrated solutions for energy efficiency which include:
 - Installation of solar thermal panels for hot water production
 - Installation of energy production systems for self consumption from renewable energy sources
- Audits, diagnostics and other studies needed for carrying out the investment, as well as "ex-post" independent evaluation that allows monitoring the performance and energy efficiency of the action.

Energy efficiency - Private Housing

SEUR OP

200 M€

Actions to support:

- Interventions to increase energy efficiency in the private residential sector, which includes:
 - Interventions in the opaque envelope of buildings
 - Interventions in the glass envelope of buildings
 - Interventions in hot water production systems and other technical systems
 - Indoor lighting
 - Installation of systems and equipment for the management of energy consumption
 - Interventions in ventilation systems, lighting and other energy systems of the common parts of buildings, allowing to generate energy savings
- Interventions to promote renewable energy in the private residential sector for self consumption, as long as they're part of integrated solutions for energy efficiency which include:
 - Installation of solar thermal panels for hot water production
 - Installation of energy production systems for self consumption from renewable energy sources
- Audits, diagnostics and other studies needed for carrying out the investment, not compulsory by law, as well as "ex-post" independent evaluation that allows monitoring the performance and energy efficiency of the action

For more information:

- Energy Efficiency Fund: <http://fee.pnaee.pt>
- Portugal 2020: www.portugal2020.pt

Thank you for your attention!