

How to ensure energy efficiency financing and implementation

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Scope of the presentation

- institutions engaged in financing and implementation
- sources of financing
 - non-reimbursable (grants)
 - EU and others
 - national
 - reimbursable (credits, loans)
 - preferential
 - commercial

institutions

- Ministry of Development (inc. former Ministry of Economy and Ministry of Regional Development)
- Ministry of Energy
- Ministry of Environment
- National Fund for Environmental Protection and Water Management (NFOŚiGW)

institutions

- Ministry of Development (merged: former Ministry of Economy and Ministry of Regional Development)
 - actions in favour of competitiveness and innovation of economy
 - distribution of EU structural funds

institutions

- Ministry of Energy (separated from Ministry of Economy)
 - engaged in regulation and functioning of energy systems
 - ensures national energy security

institutions

- Ministry of Environment
 - protection of environment and water management
 - stimulating investments aiming at:
 - decrease of consumed energy in economy
 - increase of RES share in energy mix

institutions

- National Fund for Environmental Protection and Water Management (NFOŚiGW)
 - main pillar of financing in national policy of environment protection
 - efficient utilization of EU funds allocated for development and modernization of environment infrastructure
 - supported by its regional divisions

sources of financing

- non-reimbursable (grants): EU funds
 - Operational Programme Infrastructure & Environment (OPI&E) 2014–2020
 - (Investment Priority 4.iv.) – Development & implementation of intelligent distribution systems for average & low voltage
 - (Investment Priority 4.iii.) – Supporting energy efficiency, intelligent energy management & promotion of renewable energy sources for public infrastructure, including public buildings, and in the housing sector
 - (Investment Priority 4.ii.) – Promotion of energy efficiency & use of RES in enterprises

sources of financing

- non-reimbursable (grants): EU funds
 - Operational Programme Infrastructure & Environment (OPI&E) 2014–2020
 - (Investment Priority 4.v.) - Promoting low-emissions strategies for all kinds of territories, in particular for urban areas, including support for sustainable multi-modal urban mobility and adaptive measures with mitigatory influence on climate changes
 - (Investment Priority 4.vii.) - Promoting the use of high-efficiency heat and electric energy cogeneration on the basis of the demand for service heat

sources of financing

- OPI&E 2014-2020
 - (Investment Priority 4.iv.) - Development and implementation of intelligent distribution systems for average and low voltage
 - construction of intelligent networks as pilot and demonstration projects
 - enhance the possibilities of connection of renewable energy sources (RES) and/or to reduce network losses

sources of financing

- OPI&E 2014-2020
 - (Investment Priority 4.iv.)
 - construction of intelligent distribution systems for AV/LV, dedicated to increased generation of energy from RES, and/or reduced energy consumption
 - comprehensive pilot and demonstration projects implementing intelligent solutions in a given area, aimed at optimising the use of energy generated from RES and/or rationalisation of energy consumption;

sources of financing

- OPI&E 2014-2020
- (Investment Priority 4.iv.)
 - measures involving promotion of know-how regarding intelligent energy transmission and distribution systems, solutions, standards, and best practices related to intelligent networks
 - duration: 2015 – 2023
 - beneficiaries: energy companies
 - budget: EUR 120.05 million, contributions from the EU Cohesion Fund

sources of financing

- non-reimbursable (grants)
 - EEA Financial Mechanism in 2009–2014 & Norwegian Financial Mechanism in 2009-2014:
 - Operational Programme PL04 - "Energy savings and promotion of renewable energy sources,,
 - ✓ ca EUR 77 million (EEA)
 - ✓ ca PLN 300 million (NFM)

sources of financing

- non-reimbursable (grants): national
 - NFOŚiGW
 - Priority Programme: Intelligent energy networks (IEN)
 - Green Investment Scheme (Part 1) - Energy management in public utility facilities
 - Green Investments Scheme. Part 5 - Energy management in the facilities of selected public finance sector entities
 - Green Investment Scheme, Part 7, GAZELA, the low-emission urban transport

sources of financing

- non-reimbursable (grants): national
 - NFOŚiGW
 - Energy efficiency improvement. Part 3 - Subsidised loans for the construction of energy-efficient houses
 - Energy efficiency improvement. Part 2 – LEMUR – Energy Efficient Public Utility Facilities
 - Efficient energy use Part 6 - SOWA - Energy-efficient street lighting
 - Support for operators as regards low-emissions and resource saving business. Part 1 - Energy/electricity supply audit of an enterprise

sources of financing

- non-reimbursable (grants): national
 - Thermomodernisation and Repairs Fund (State budget) - TRF
 - refinancing part of the costs of thermomodernisation & repair projects
 - improving the technical conditions of existing housing resources
 - reducing demand for heating

sources of financing

- TRF
 - objectives of thermomodernisation projects:
 - reducing the consumption of energy for heating & service water heating purposes
 - reducing the cost of acquiring heat delivered to the buildings – as a result of building a technical connection to a centralised heating source & resignation of a local heating source
 - reducing primary energy losses in local heating grids & local heat sources
 - change of energy sources to renewable sources, or using high-efficiency cogeneration

sources of financing

- TRF
 - beneficiaries: owners and administrators of
 - residential buildings
 - multi-apartment units
 - public utilities owned by local government authorities and used by them for public tasks
 - local heat distribution networks
 - local heating sources

sources of financing

- TRF
 - support in 2012:
 - PLN 139.42 million for the implementation of 2859 **thermomodernisation** projects with a total value of PLN 1 018.8 million
 - PLN 31.79 million for the implementation of 658 **repair** projects with a total value of PLN 226.2 million
 - period: 2007–2013 more than 20 000 projects co-financed, for a total amount of PLN 1 billion

sources of financing

- reimbursable (loans): preferential
 - NFOŚiGW
 - Support for operators as regards low-emissions and resource saving business. Part 2 - Increase of energy efficiency
 - Efficient energy use Part 6 - SOWA - Energy-efficient street lighting
 - Energy efficiency improvement. Part 2 - LEMUR – Energy Efficient Public Utility Facilities
 - Green Investment Scheme (Part 1) - Energy management in public utility facilities

sources of financing

- reimbursable (loans): commercial
 - additional financing of investments which benefit from preferential loans or grants (usually it's not possible to finance more than 60% on privileged terms)
 - commercial institutions are also more and more specialized in financing energy efficient investments

**Thank you,
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