



Energy Efficiency and Renewable Sources Fund

THE BULGARIAN ENERGY EFFICIENCY FUND AND THE ROLE OF ENERGY SERVICE COMPANIES (ESCOs)

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ENERGY EFFICIENCY AND RENEWABLE SOURCES FUND

- Established as part of the Energy Efficiency Act from 2004 with the aim of **financing energy efficiency measures implemented by municipalities, corporate clients and individuals**
- Initial capitalization with donations from the World Bank (Global Environment Facility), Government of Austria, Bulgarian Government and private donators: Eurobank EFG, Lukoil Bulgaria AD, Brunata Bulgaria, Enemona AD, EVN Bulgaria, Ena Optima, Minev and Partners, Bulgarian-American Credit Bank AD, Association for Sustainable Development
- Financing and guaranteeing energy efficiency and renewable energy projects under competitive conditions and expert technical assistance



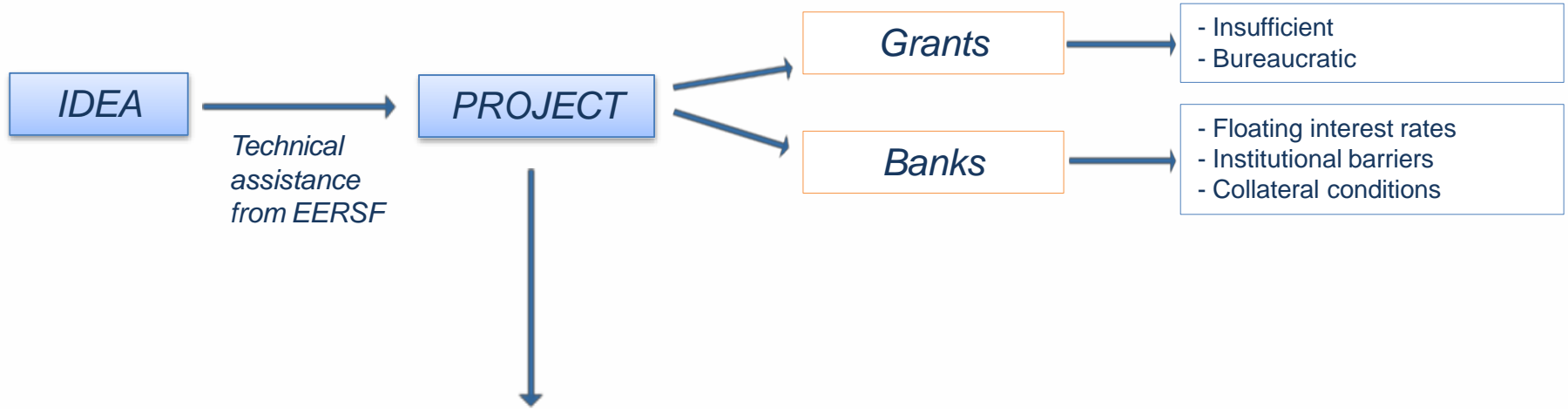
ENERGY EFFICIENCY MEASURES

- Thermal insulation and sanitation of buildings
- Reconstruction of systems for heating, ventilation, air conditioning, lighting, hot water
- Modernization of street lighting systems
- Investments to increase energy efficiency in industrial processes
- Small systems for combined heat and power (CHP)
- Implementation of renewable sources

Projects of Energy efficiency for:

- ✓ Public buildings
- ✓ Hospitals
- ✓ Universities
- ✓ Schools
- ✓ Kindergartens
- ✓ Street lighting
- ✓ Office Buildings
- ✓ Workshops
- ✓ Warehouses
- ✓ Hotels
- ✓ Industrial systems
- ✓ Others





ENERGY EFFICIENCY AND RENEWABLE SOURCES FUND
direct loans
Financing of **ESCO** projects
co-financing with **grants / other sources**

FINANCING

- Fixed project life interest rate
- No fees and commissions
- Co-financing with operational programs

TECHNICAL EXPERTISE

- Technical experts
- Annual monitoring technical report after project implementation
- Assistance with energy audit

PROCEDURE

- Fast processing of the application
- Recovery of the deposit on a non-approved project - the client has no costs
- No Public Procurement Authority procedure



FINANCIAL PRODUCTS

- Direct loans to final beneficiaries



- Loans for ESCO companies



- Purchase of receivables



- Bridge / co-financing (up to 100%)





Loans / Purchase of receivables

- **No additional conditions and fees**, including for early repayment after the second year

Beneficiaries	FIXED interest rate for the entire repayment period of the loan	Term
Municipalities	from 4,00%	up to 7 years
Corporate clients		
Individuals		

Guarantees

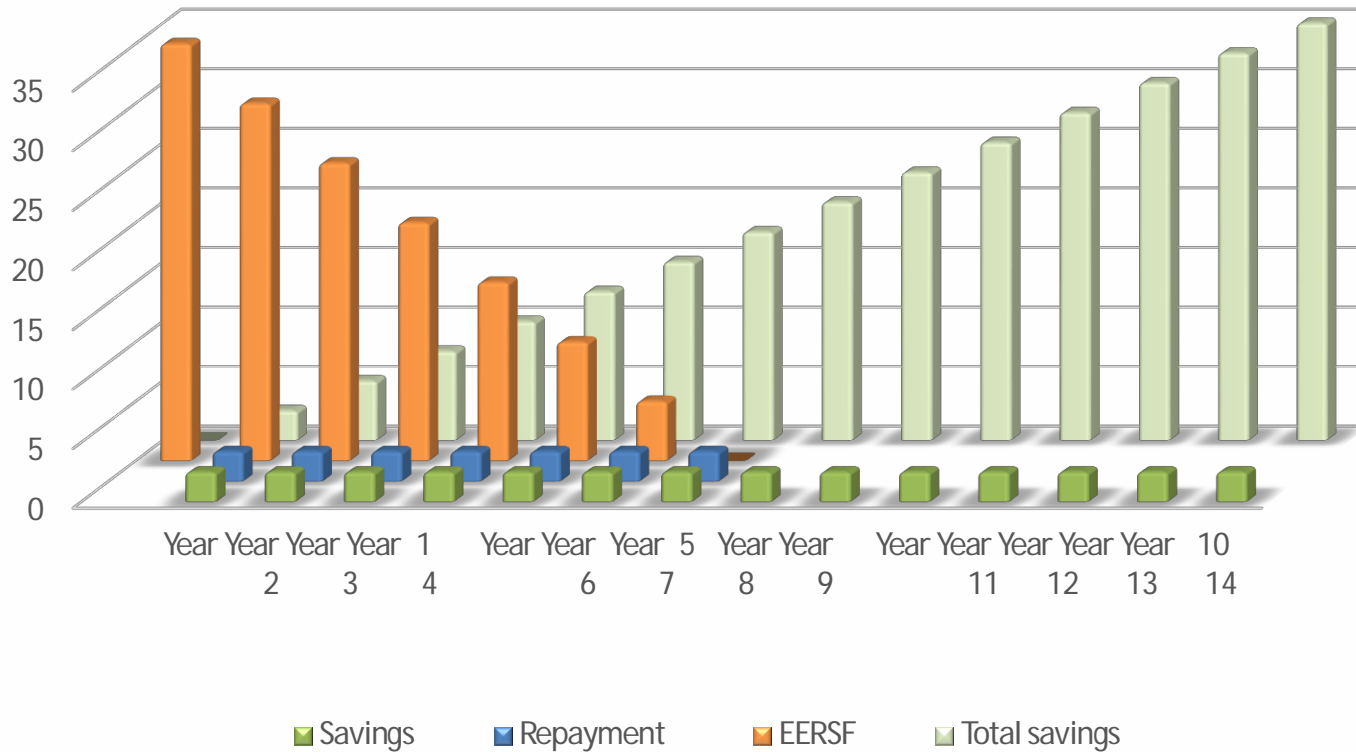
- Guarantees cover up to 80% of the loan amount; from 0.5%
- Partial Credit Guarantees - Individual (per project) guarantee commitment shall not exceed BGN 800 000
- Portfolio Guarantees – cover up to 5% of the portfolio, but not more than BGN 800 000

Essential Requirements

- ✓ The project must implement standard technology known to the market
- ✓ At least 50% of the economic benefits of the project must be of proven energy savings
- ✓ Investment volume: from BGN 30 000 up to BGN 3 000 000
- ✓ Loan term: up to 7 years
- ✓ Minimal financial participation of the client: 10%
- ✓ The implementation of renewable energy sources shall be done in conjunction with energy efficiency measures
- ✓ For guarantees: according to EERSF criteria and bank requirements
- ✓ Energy audit for each project



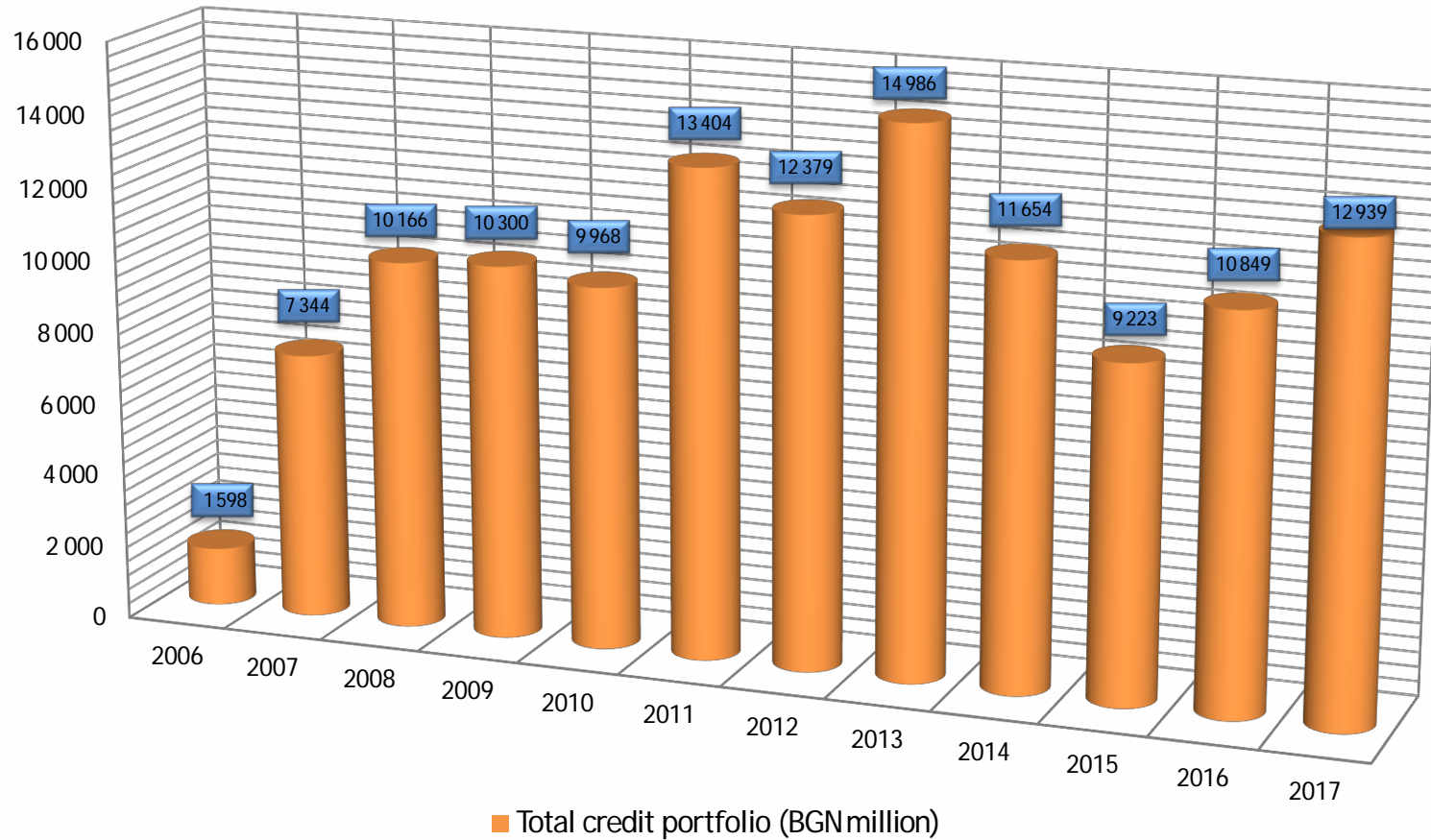
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- ✓ Energy savings and costs significantly support the loan servicing budget
- ✓ After the project implementation – the loan is paid by the energy efficient savings
- ✓ After the loan repayment – the savings are direct income for the beneficiary
- ✓ When the energy price is increased – the income for beneficiary will increase

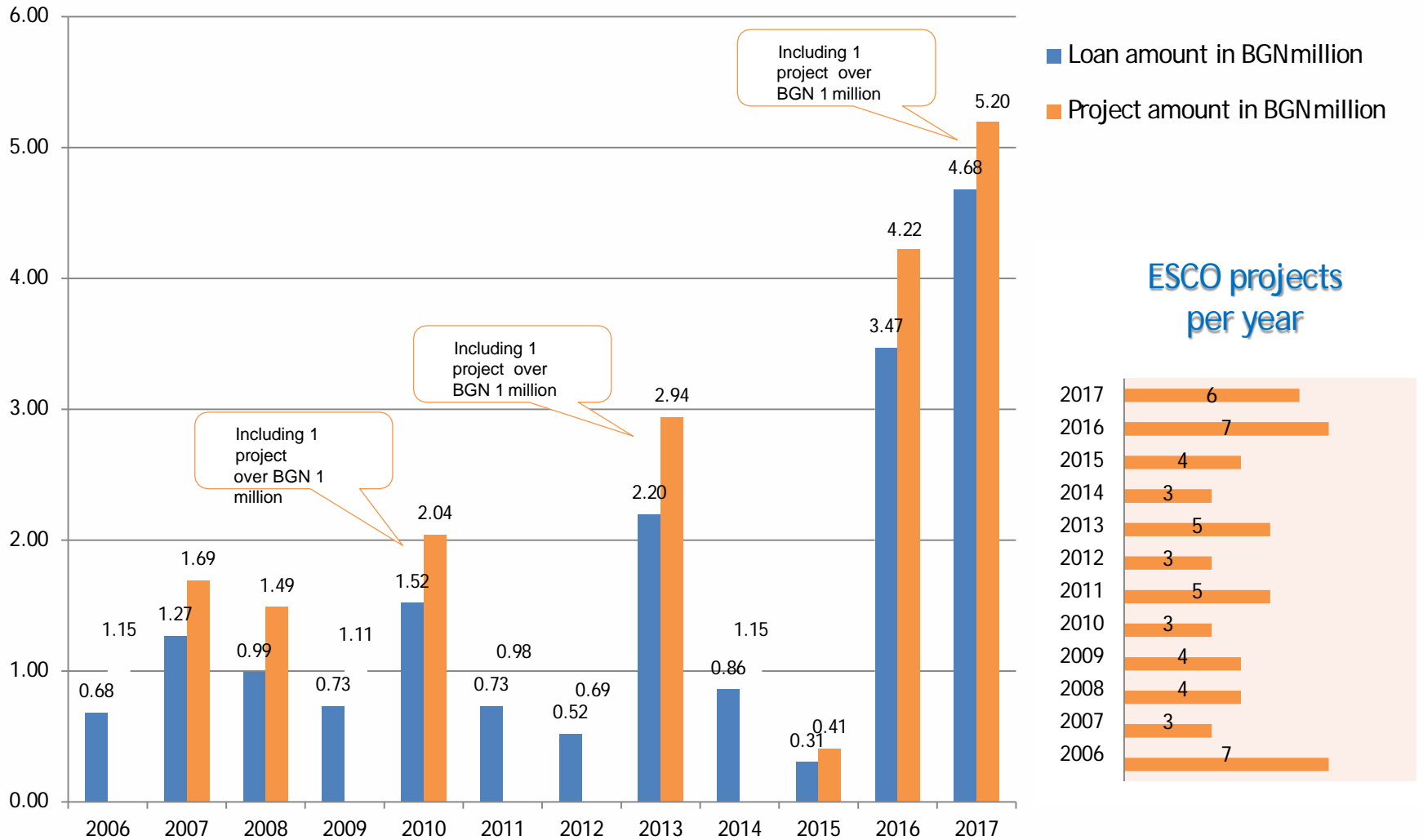


CREDIT PORTFOLIO AS OF 2006 – DECEMBER, 2017





FINANCED ESCO PROJECTS 2006 – DECEMBER, 2017





Energy Efficiency and Renewable Sources Fund

Realized project Hospital

“Diagnostic-consultative center 12 – Sofia” EOOD



Energy savings measures:

1. Thermal insulation of exterior walls
2. Replacement of windows
3. Thermal insulation of roof
4. Thermal insulation of floor
5. Energy saving illumination
6. Replacement of heating installation

Payback period: 12,8 years

Project amount: BGN 668 395,22

Loan amount: BGN 628 786,60

Projects results – estimated savings:

- Energy from TPP - 451 059 kWh/y
- Electrical energy - 50 174 kWh/y
- Greenhouse gas emission - 175 CO₂ t eq/y





THANK YOU FOR YOUR ATTENTION!

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