



AYEP SUSTAINABLE ENERGY DEVELOPMENT AGENCY BULGARIA



SEDA

Encouraging public buildings' renovation in Bulgaria

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Individual Energy Savings Targets

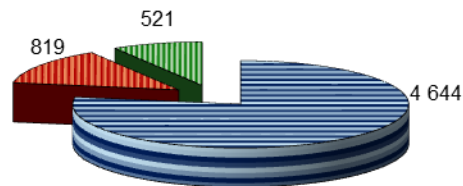


National target is allocated as individual targets between the obligated persons. The obligated persons are separated in three groups as follows:

- Energy Dealers
- **Owners of buildings with more than 1 000 m² floor area (central and local government authorities)**
- Owners of enterprises with annual consumption more than 3 000 MWh

The list of the obligated persons is adopted by Bulgarian Council of Ministers.

Individual energy savings targets in GWh



- Energy Dealers
- Industrial Enterprises
- Buildings with more than 1000 m² floor area



Individual Energy Savings Targets for municipal and state administrations – encouraged by....

- Energy efficiency plans and programs – municipal and state administrations
- Energy audits for all public buildings with floor area more than 500 sq. m.
- Energy efficiency inspections for boilers and air-conditioners
- Energy efficiency management in buildings and SMEs
- Annual reports for the energy efficiency plans and programs implementation and for the energy management
- ESCO contracting legislation for municipal and state administrations





Legislation Framework - Energy Efficiency Plans and Building Audits

Energy Efficiency Act:

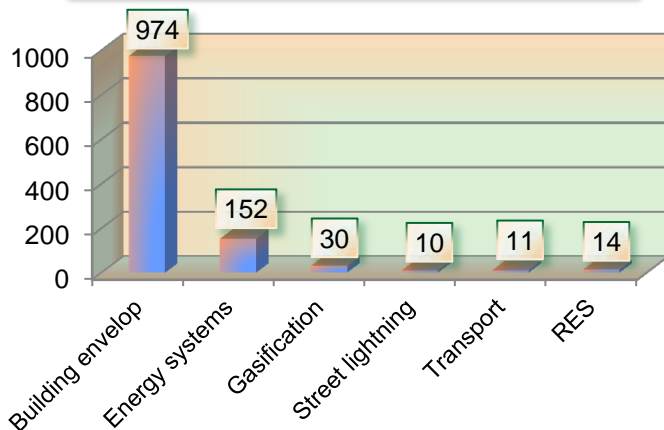
- “Article 11 (1) The energy efficiency policy shall be implemented by the bodies of state power and the local self-government authorities by elaborating energy efficiency plans and programmes for their implementation for a specified programming period.”
- Article 12 (1) The bodies of state power and the local self-government authorities shall submit annually reports on the implementation of the plans to the Executive Director of the Agency.
 - (2) The reports referred to in Paragraph (1) shall contain a description of the activities and measures, shall indicate the amount of energy savings achieved, and shall be submitted not later than on the 31st day of March of the year following the year of implementation of the respective activities and measures.
- Article 19 (2) All other public service buildings, which are in use and whose gross floor area exceeds 500 square metres, and from 9 July 2015 - with gross floor area over 250 square m, shall be subject to mandatory certification.
 - (3) The owners of any buildings referred to in Paragraph (2) shall be obligated to implement the energy efficiency improvement measures prescribed by the energy efficiency audit within three years after the date of acceptance of the results of the audit.
- Article 27 (2) All other public service buildings, which are in use and whose gross floor area exceeds 500 square metres, and from 9 July 2015 - with gross floor area over 250 square m, shall be subject to mandatory certification.
 - (3) The owners of any buildings referred to in Paragraph (2) shall be obligated to implement the energy efficiency improvement measures prescribed by the energy efficiency audit within three years after the date of acceptance of the results of the audit.





Energy Efficiency Plans and Building Audits – results

Number of realized projects by type, 2012



Energy and CO₂ savings, 2012



Period	Target GWh/year	Achieved savings GWh/year	Implementation to 2012 %
2008-2013	260,5	710,3	273

Total energy savings target to 2016 - **521 GWh (7% from the National target)**



	2012		2013	
	Number	Total floor area m ²	Number	Total floor area m ²
Municipal buildings	386	1 146 318	280	807 088
State buildings	97	507 296	60	624 700
Total	553	2 084 350	432	1 987 508



Energy management system

Owners of public buildings are obligated to perform energy efficiency management

- implementing the measures envisaged in the plans and programs
- designating at least one employee whose job description includes the task of compliance with the energy management
- keeping a register for the monthly consumption by type of energy, including dates, prices and supplied amounts, as well as identification numbers of the documents certifying the quality of the fuels supplied
- submitting to SEDA information on the effect of the measures implemented and on the effect expected from the implementation of the measures envisaged in the plans and programmes

Annual reports for the energy efficiency plans and programs implementation and for the energy management - The reports shall contain a description of the activities and measures, shall indicate the amount of the energy savings achieved, and shall be submitted with a copy of the plans and programs not later than on the 31st day of March of the year following the year of implementation of the respective activities and measures

☹ Penalties for not submitting the annual reports.





Energy Efficiency Measures – Financial Support

Energy Efficiency and Renewable Sources Fund - <http://www.bgeef.com/display.aspx>

Offers to Bulgarian companies, municipalities and private individuals the following financial products in the field of energy efficiency:

- Credits and below market interest rates
- Partial credit guarantees
- Portfolio guarantees

Operational Program “Regional Development”/ “Regions in Growth”

Sustainable and Integrated Urban Development – buildings’ renovation, transport infrastructure, energy saving street lighting, state and municipal medical, healthcare, social, education and culture institutions.

The European Regional Development Fund’s support for Bulgaria amounts to 3,2 billion euro; including 3,9% for EE projects and 2,1% for RES projects (2007-2013).

Energy Performance Contracting with participation of ESCOs

Legislation framework for state and municipal administrations – special Ordinance under Energy Efficiency Act



Every help is most welcome!



<http://www.ecoenergy-bg.net/en>

Municipal Energy Efficiency Network EcoEnergy (Bulgaria)

- gathering the efforts of the Bulgarian municipalities for achieving a better energy efficiency and finding solutions for important national tasks;
- creating conditions for diminishing the burden of energy costs on municipal budgets and use of these money for other activities of high priority;
- subserving the end users in the municipalities to decrease their expenses and raise the public support.

Projects

Covenant capaCITY
 NET-COM
 MODEL
 PassREg
 Inovative thinking
 RUSE
 DEFRA
 BISE
 DISPLAY

Trainings

Municipal Energy Planning
 Project development

Energy Efficiency Information System Campaigns

Sustainable Energy Europe
 Green Light



<http://www.eneffect.bg/>

Center for Energy Efficiency EnEffect

Projects:

- ↳ PassiveHouse Regions with Renewable Energy
- ↳ Landfill Gas Recovery and Use Through Southeast Europe
- ↳ Financing Energy Efficiency Investments for Climate Change Mitigation (FEEICCM)

Services:

- ↳ Technical support for Bulgarian municipalities to identify and develop energy efficiency projects
- ↳ Develops the skills of the private and public sectors at the local level to identify, develop and implement energy efficiency and renewable energy investment projects
- ↳ Provides assistance to municipal authorities to introduce economic, institutional and regulatory reforms needed to support EE and RES investments
- ↳ Conducts training on energy planning for municipal experts



The Best encouragement is.....

.....the example of

University of National and World Economy



Centre for physically disabled adults



Secondary School



