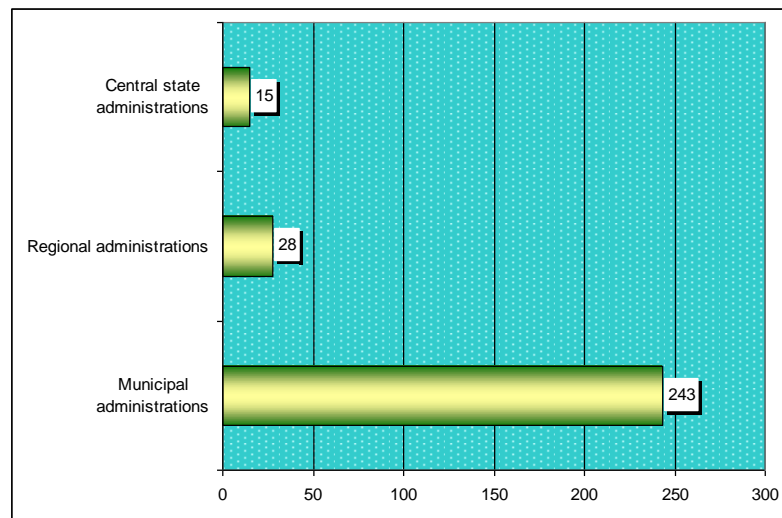


Title of the measure:	BG10: Individual targets for energy savings for public buildings owners
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General description

The Energy Efficiency Act, determines three groups of obliged persons – energy dealers, public building’s owners and industrial enterprises owners. National indicative target, adopted in the National Energy Efficiency Action Plan, is distributed to these three groups of obliged persons.

The obliged persons according to the EE Law are owners of buildings with total useful floor area over 1000 m². In Bulgaria the obliged building owners are - 243 municipal, 28 regional and 15 central administrations. The total amount of their individual targets for energy savings to 2016 is 521 GWh which is about 7 % of the National Indicative Target set under Directive 2006/32/EC.



Number of the obliged under EE Act building owners according to the type of the administration

National indicative target in Service sector is distributed as individual targets for energy savings for building’s owners. The control on the implementation of the individual

energy savings targets is executed by Sustainable Energy Development Agency (SEDA).

According to the submitted in SEDA information from the obliged building owners (municipal and state administrations) in 2016 were implemented 1 089 energy efficiency projects (968 municipal and regional projects and 121 state administrations projects).

Table: Summary of the information provided by the central government administrations in the country

Number of projects	Investments needed <i>mln. BGN/year</i>	Energy savings <i>GWh/year</i>	CO ₂ emissions savings <i>kt/year</i>
121	10,6	8,2	3,1

Table: Summary of the information provided by the regional and municipal administrations in the country

Number of projects	Investments needed <i>mln. BGN/year</i>	Energy savings <i>GWh/year</i>	CO ₂ emissions savings <i>kt/year</i>
968	163,6	67,7	29,4

Impact evaluation

Means and outputs:

Data about energy savings: The methods for proving the achieved energy savings are energy audits or specialized methods adopted by the Republic of Bulgaria Council of Ministers. These methods could be applied only by authorized by the Energy Efficiency Act companies.

SEDA is the institution which issue the certificates for achieved energy savings. The evaluation of the achieved savings was made on the basis of the submitted in SEDA annual information.

Sources of uncertainties about energy savings: The results of the implementation of the energy efficiency plans declared by the state and municipal administrations are

based on the own estimates of the obligated persons. Moreover, some of the reports on the implementation of the energy efficiency programs show only a description of the energy saving measures applied, but there is no evaluation of their effect.

Evaluation of the energy savings and other indicators monitored and/or evaluated:

Table: Evaluation of the effect of the implemented energy efficiency measures in 2016 by building owners

Energy savings	75,9	GWh/year
CO ₂ emissions savings	32,5	kt/year
Investments needed	174,2	Mln. BGN/year

Table: Implementation of individual targets by public buildings owners (annual savings)

	Total Individual target 2016 GWh/year	Results 2010-2016 GWh/year	Results 2014-2016 GWh/year
Public buildings' owners	521	1 192	176,7

For the period 2014-2016, a total of 141 energy savings certificates have been issued by SEDA to this group of obliged persons, the amount of proven savings is 19 GWh.

Interaction of measures

BG4, BG9, BG11

Historical data

References

- https://ec.europa.eu/energy/sites/ener/files/documents/bg_neeap_2017_bg.zip
- http://seea.government.bg/documents/NEEAP_Annual%20Report_March_2016.pdf
- http://seea.government.bg/documents/ZEE_EN.pdf