

AN ENERGY SUSTAINABLE... DOBRICH

The city of Dobrich is situated in the undulated Danube Plain on the Dobrudzha Plateau. The city is an independent municipality and is the administrative centre of the Dobrich district, and it has 115 309 inhabitants.

SEC TARGETS



Current analysis in different sectors of the community does not indicate significant differences of energy effectiveness status of Municipality Dobrich related to the average status in the country. Main factors for that are: relatively high energy consumption of the public buildings, high level of energy consumption in industry due to used old technologies, lack of resources for implementation of energy saving measures etc. Possible actions are linked to a) implementation of measures for reducing energy consumption (energy saving measures) as well as addressed to b) improvement of consumers' awareness for energy effectiveness, its wise use and opportunities for alternative energy sources.

- To achieve an increase by 30% of energy effectiveness in the buildings maintained by the Municipality
- To reduce the energy consumption by 19 000 MWh every year in public buildings
- To reduce the CO₂ emissions by at least 4300 tones or with about 30% per year in the public buildings

Upon implementation of street lightening measures:

- To reduce the energy consumption of street lightening by 5% or with 100 000 kWh at yearly base related to previous years
- To reduce the expenses for street lightening by 10 000 bgn per year
- To reduce the CO₂ emissions by at least 184.26 tones

Measures implemented in private households:

- To improve the quality of buildings and prolonged life of installations and equipments
- To reduce energy consumption by 5 900 MWh at yearly base
- To reduce expenses for energy of households by 710 000 bgn
- To reduce CO₂ emissions by at least 4100 tones in yearly base

SEC STRATEGY



Priority 1: Improvement of energy efficiency in public buildings through implementation of integrated package of measures

- Increasing energy effectiveness in the municipal buildings
- Innovation of Street Lightening
- Increasing energy effectiveness of the public transport

Priority 2: Increasing Energy effectiveness of houses on the territory of the Municipality

- Pro-active whole refurbishment of buildings - preferably for panel buildings

Priority 3: Increasing energy effectiveness in local industry

- Establishment of energy enterprises and infrastructure on the territory of the Municipality
- Installation of RES

Priority 4: Implementation of Energy management on the territory of the Municipality

- Setting up municipal institutions and competent staff in the sector of energy effectiveness
- Realistic energy effectiveness' potential assessment in the Municipality and its effective usage
- Community support mobilization for energy program implementation on the ground of wide partnership with businesses and civic organizations
- Increase citizens awareness regarding instruments for RES and energy effectiveness

SEC ACTIONS

Contact

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- Rehabilitation and modernization of **street lightening** 2008
- **Refurbishment** of schools 2008-2010
- Rehabilitation of cultural institutions 2009-2011
- **Modernization** of sport halls 2008-2009
- Reconstruction of hospitals and clinics 2010