

*Strategic Directions of
Energy Policy and their
compliance with EU Directives
in the field of Energy Efficiency*



Ministry of Energy of Georgia

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Security*

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Strategic Directions of Energy Policy

- ✓ Signed EU Association Agreement (2014);
- ✓ Aspiring for full membership in the Energy Community;
- ✓ New Energy policy with implication on EE and RE development (2015);
- ✓ Energy Strategy - currently being developing;
- ✓ Amendment in Georgian law on electricity and natural gas for promotion of RE installations.





Projects in Progress

- Covenant of Mayors with 14 signatories;
- Low Emission Strategy Development (LEDS);
- Support program in the field of energy efficiency and sustainable energy within the scope of Georgian and Danish governments' cooperation
- First National Energy Efficiency Action Plan;



Support to Energy Efficiency & Sustainable Energy

Program Objects:

- ✓ New energy efficiency building codes to support introduce energy efficiency requirements;
- ✓ Legislation on labeling of energy related products and its delegated acts;
- ✓ Methodology for monitoring and reporting which is compliant to Governmental and EU entities' standards;
- ✓ National grid code regulation and standards that enabling integration of RE sources in the national power system;



Development of Georgia's first NEEAP

- **External background:** signed EU Association Agreement (2014); Aspiring for full membership in the Energy Community
- **Internal conditions:** commitment to reduce dependence on energy imports and enhance energy security;
- **Georgia's first NEEAP launched in June 2015 → technical assistance received by EBRD and financial support by Swedish International Development Agency (SIDA)**



Development of Georgia's first NEEAP

- the Working group of key stakeholders – main decisions
- NEEAP is based on EED-based NEEAP both in term of the format and measures with adjustments specific to Georgia's characteristics.
- 1st Period of implementation from 2017 – 2019, with indicative targets set for 2020, 2025 and 2030



Georgia's 1st NEEAP – Measures

Horizontal Measures – highlights

- Financing schemes for setting up an **Energy Efficiency Fund** (the Ministry is looking at best practices on efficient and sector-focused energy efficiency funds in EU countries)
- Gradual introduction of **energy audits and management systems** (large enterprises first), **boiler inspections** in the industry sector
- **EPBD Transposition and Enforcement**: Standards and norms and certification schemes in buildings
- **Mandatory labeling** for electrical home-appliances from [2017] and ban on import of low efficient home appliances
- Amendment in the law on procurement procedures – considering the “**Green Procurements**” component



Georgia's 1st NEEAP – Measures

Sector Measures

- **Energy transformation, transmission, distribution, and demand response**
 - Natural gas savings through replacement of old Thermal Power Plants with efficient Combined Cycle Gas Turbine technology
 - Energy efficiency savings potential (36% of all measures for 2020)
- **Reduction of losses in hydropower production**
 - Investments in renovating hydropower stations and investigating changes to the dispatch system to improve efficiency/costs
 - Energy efficiency savings potential (8% of all measures for 2020)
- **Regulations on the Rules of calculation of normative electricity losses & Reduction of losses in gas pipelines**
- **Efficient wood-burning stoves**



Georgia's 1st NEEAP – Measures

Sector measures

- **Lighting:** Potential savings examined for each sub-sector: street-lighting, industry, commercial/residential buildings, public buildings – total of **7% of all savings** for 2020
- Recommended savings programmes in **industry** covering various sectors (cement, metal industries, cross-cutting related to boilers/steam production and distribution and cross-cutting related to fans, pumps, compressors and refrigeration system)
- **Buildings:**
 - Construction Permits for design and construction shall be issued according to the EE measures
 - Reconstruction and retrofitting of Public Buildings considering the EE measures
- **Transport** improvements in cities which are signatories of the Covenant of Mayors (Est. 7 – 10% of savings of all measures)
- Measures linked with technical assistance, energy audits, and awareness raising



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Thank your attention!

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