



Georgia

Ministry of Economy and Sustainable Development

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Ministry of Energy

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**the Benefits and Requirements of the EU Directive on Energy
Performance in Buildings RWP.08**

BUILDING PARTNERSHIPS FOR ENERGY SECURITY

governmental authorities responsible for EE in buildings



1. Ministry of Economy and Sustainable Development
2. Ministry of Energy
3. Central and regional Municipalities

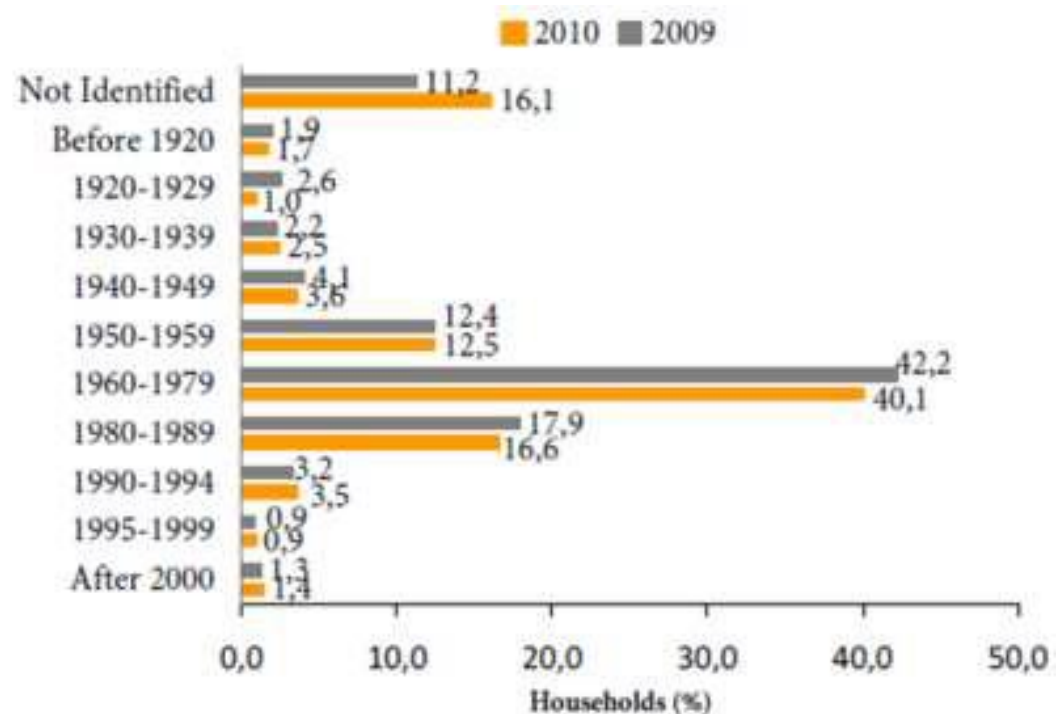
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ENERGY EFFICIENCY



General information about EE in buildings in the country

- There is not any available statistic information on EE in buildings.
- the buildings built during the Soviet-era by Soviet norms still dominate. Correspondingly, the complete majority of them are not energy efficient.



Source: National Statistics Office of Georgia



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PROGRAMME FUNDED BY THE EU

Residential and Commercial/Public Services energy consumption (Source – 2013 Energy Balance)



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	Energy consumption			Dominant fuel
	TJ	GWh	%	
Industry	27,387	7,607	19.1%	Coal, electricity, natural gas, oil products
Transport	40,323	11,201	28.1%	Oil products and natural gas
Commercial and public services	8,077	2,244	5.6%	Electricity and natural gas
Residential	61,456	17,071	42.8%	Natural gas, Biofuel & Waste
Agriculture/forestry/fishing	574	160	0.4%	Oil products/ electricity
Other	5,779	1,605	4.0%	Electricity

Energy performance requirements



- There is no minimum energy performance requirements for new buildings.

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EU building codes



The Ministry of Economy and Sustainable Development of Georgia has created the draft version of the following eurocodes:

Eurocode 0: Basis of Structural Design

Eurocode 1: Actions on Structures

Eurocode 2: Design of Concrete Structures

Eurocode 7: Geotechnical Design

Eurocode 8: Design of Structures for Earthquake Resistance.

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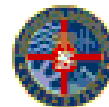
NEEAP and it's activities



- The Ministry of energy has specially created *Division of Energy Efficiency and Renewable Energy* to work on NEEAP.
- National Energy Efficiency Action Plan could be drafted according to EED (*Energy efficiency directive*).



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MINISTRY OF ENERGY OF
GEORGIA

Progress in the implementation of Energy Performance in Buildings Directive (EPBD)



In 2015, Georgia got EPBD scenario from Technical Research Centre Of Finland. At present, no legislative document was passed in the framework of EPBD implementation. Current situation involves sector analysis da data collection process.



Key barriers and challenges



- The lack of proper legal framework is a key barrier for financing projects on EE of buildings in Georgia.
- Public awareness. (lack of knowledge in EE issues)
- While housing construction in Georgia is of interest to private sector developers, projects involving comprehensive housing refurbishment on a large scale still attract limited interest from private investors due to the significant level of regulatory, legal and social issues involved.
- Legislation and institutional set-up in the residential sector, including the housing policy.
- Management and maintenance obligations in multi-storey apartment buildings.

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Next step



Possible ways to increase energy efficiency:

- Consumer awareness, metering and communication of energy use.
- Introducing energy labels in home electronics. Authorities set an example to consumers.
- Building code legislation
- all new buildings have to be built in an energy efficient way. (including e.g. minimum essential characteristics for construction products).
- Also some measures like energy or CO2 taxes; financial incentives, regulations or voluntary agreements should be taken.
- Creating legal framework, legislation, which will regulate housing stock and residential sector. The government is trying to develop necessary legal and regulatory act/framework that would enable the potential for Energy Efficiency.



Thank you for your attention

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Positions



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