Georgia
Ministry of Economy and Sustainable Development
Grigol Kakauridze
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Ministry of Energy
David Shariqadze
the Benefits and Requirements of the EU Directive on Energy Performance in Buildings RWP.08
BUILDING PARTNERSHIPS FOR ENERGY SECURITY
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governmental authorities responsible for EE in buildings

1. Ministry of Economy and Sustainable Development
2. Ministry of Energy
3. Central and regional Municipalities
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
### Residential and Commercial/Public Services energy consumption (Source – 2013 Energy Balance)

<table>
<thead>
<tr>
<th>Category</th>
<th>Energy consumption</th>
<th>Dominant fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TJ</td>
<td>GWh</td>
</tr>
<tr>
<td>Industry</td>
<td>27,387</td>
<td>7,607</td>
</tr>
<tr>
<td>Transport</td>
<td>40,323</td>
<td>11,201</td>
</tr>
<tr>
<td>Commercial and public services</td>
<td>8,077</td>
<td>2,244</td>
</tr>
<tr>
<td>Residential</td>
<td>61,456</td>
<td>17,071</td>
</tr>
<tr>
<td>Agriculture/forestry/fishing</td>
<td>574</td>
<td>160</td>
</tr>
<tr>
<td>Other</td>
<td>5,779</td>
<td>1,605</td>
</tr>
</tbody>
</table>
Energy performance requirements

• There is no minimum energy performance requirements for new buildings.
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.
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*).
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 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.
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
Positions

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