



Development of Georgia



Fourth International Forum:  
Energy for Sustainable Development.

*SPATIAL PLANNING AND CONSTRUCTION POLICY DEPARTMENT*

MAIN CHALLENGES FOR GEORGIA IN THE FIELD OF  
ENERGY EFFICIENCY IN HOUSING

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## Case study – Included Ministries, Governmental Organizations & NGO's:

- Ministry of Economy and sustainable Development Of Georgia.
- Ministry of Environment and Natural Resources Protection of Georgia
- Ministry of Energy of Georgia.
- Tbilisi City Hall
- Georgian Technical University
- World Experience for Georgia
- The Energy Efficiency and Environmental Protection Centre (EE&EP)
- Green Building Council - Georgia
- Energy Efficiency Centre (EEC)-Georgia
- Wood Service
- Sustainable Development and Policy Center

### *Brief statistic for Georgia:*



*Area: 69 700 km<sup>2</sup>; Population: 4 500 000;*

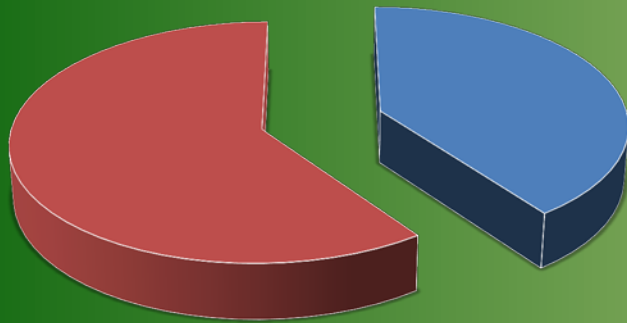
*Approximate Annual Electric Energy Consumption:*

**10 000 000 000 (10 billion) kWh**

*Approximate Annual Gas Consumption:*

**1 500 000 000 000 (1500 billion)m<sup>3</sup>**

# Energy Consumption by sector

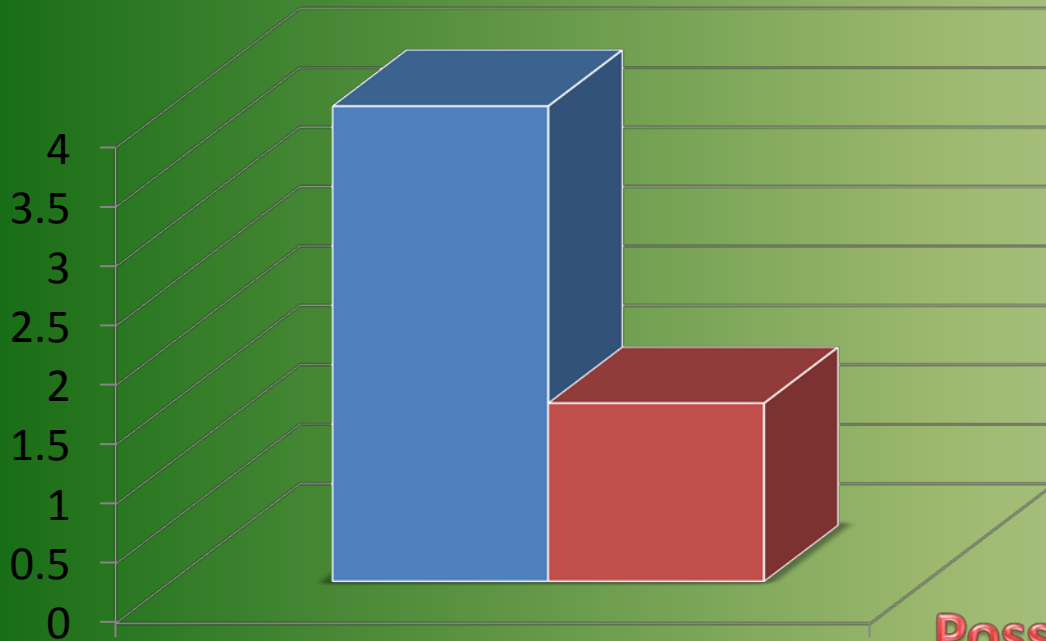


- Residential sector 40%
- Industrial, commercial and others 60%



## **Zhinvali HPP**

**Annual generation:  
~1 300 000 000 (1.3 Billion) kWh**



Annual El. Energy Consumption  
(billion kWh) and Possible Savings

- Consumption of Energy by Residential sector
- Savings (30-40%)

**Possible El. Energy saving annually:  
~ 1 600 000 000 (1.6 billion) kWh**

## **Working Programme for Georgia to achieve Energy Efficiency in Housing:**

- National strategy (plan) for energy efficiency
- Laws and regulations
- Awareness of citizens
- Financing (policy, schemes, capability of the banking sector, etc.)
- Improving the technical capacities of the stakeholders (energy agencies, engineers, architectural beurous, etc)

## **National Strategy, Working plan for Energy Efficiency:**

Comprehensive study of local market and starting working to create a strategy.

## **Laws & Regulations:**

Ministry of Economic and Sustainable development of Georgia, Spatial planning and Constructions policy department in cooperation with GIZ, GAU (Georgian Architects Union) & Civil Engineers association are working on project:

“Georgian Construction Code (law book)”

Draft version will be available in December 2013.





## Awareness of Citizens:

- Preparations of social activities
- Involve mass media
- Cooperation with NGO's
- Cooperation with other governmental and donor organizations.



## Financing:

- Work with financial sector especially with the Bank's
- Decrease the risk at financing of constructions EE buildings
- Cooperation with the ministry of finance of Georgia
- Cooperation with other governmental and donor organizations.



*Improving the technical capacities of the stakeholders (energy agencies, engineers, architectural bureaus and etc):*

- *Working with professional organizations, associations (for e.g. Georgian Architects Union, Civil Engineers association and etc.)*

**SEVERAL CONSTRUCTED ENERGY EFFICIENT BUILDING IN GEORGIA:**



Administrative and Visitors' buildings of Kolkheti National Park - Wood service



Pro Credit Bank - Tbilisi office



Wood service - New Technology Center



Tbilisi Prosecutors office



Ministry of Economy and  
Sustainable Development of  
Georgia

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**THANK YOU!**

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