



# *Specific Programs and Policies to Promote Energy Efficiency in Georgia*

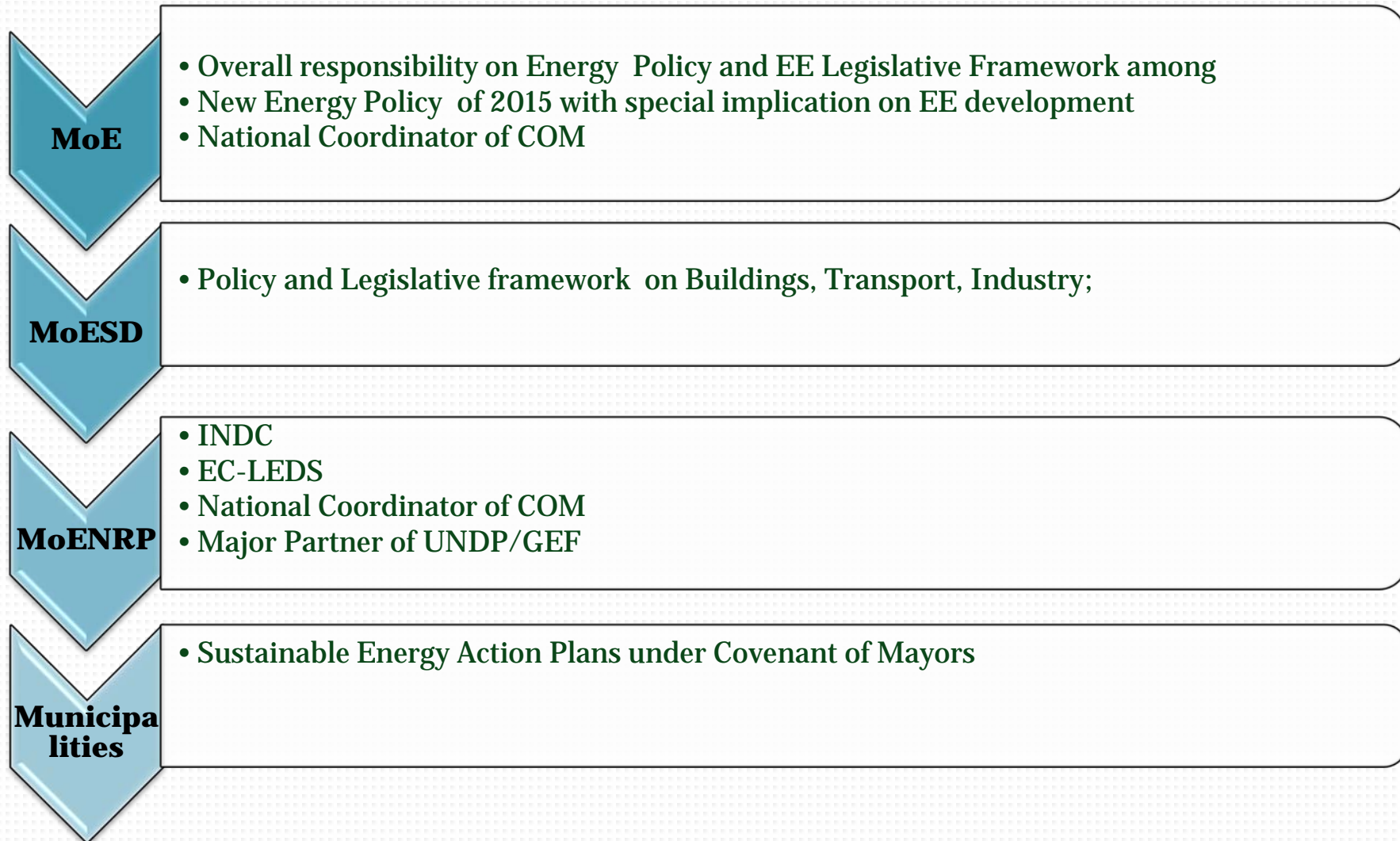
*Division of Energy Efficiency and Alternative Energy Resources*

*Ministry of Energy of Georgia*

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*3<sup>rd</sup> Session; UNECE  
Group of Experts on Energy Efficiency  
Baku, October 19, 2016*

# Policy-line and Stakeholder Entities



# Programs/projects promoting EE legislation framework

EC-LEDS  
2013- 2016

- Municipal Energy Efficiency programs for 10 municipalities
- Green Buildings
- Elaboration of Low Emission Development Strategy of Georgia

NEEAP  
2015-2016
























- Based on EED requirement and characteristics of Sectors
- Policy and Sectoral (*Power, Industry, Transport, Buildings*) EE Measures

Consultancy on Energy Efficiency and Sustainable Energy in Georgia








- Formulation of:
- National grid code regulation and standards that enable integration of RE into the national power grid;
  - Energy MRV, compliant with national and EU standards;
  - National Energy Efficiency Building Code;
  - Legislation on Labeling of energy related products and its delegated acts;

# Covenant of Mayors in Georgia

## CoM Georgian Signatories Cities – 13 Members

Signatories	Population	Adhesion	Status		
					
Tbilisi, GE	1.100.000	30-Mar-10			
Rustavi, GE	120.800	02-May-11			
Kutaisi, GE	196.600	15-Jul-11			
Batumi, GE	170.000	15-Jul-11			
Gori, GE	50.400	16-Jul-12			
Zugdidi,GE	76.600	01-Aug-13			
Telavi City Hall, GE	21.800	24-Mar-14			
Akhlatiskhe,GE	19.200	31-Oct-14			
Tianeti,GE	12.900	13-Jan-15			
Telavi Municipality, GE	70.900	30-Jan-15			
Kazbegi, GE	4.900	27-Feb-15			
Bolnisi, GE	76.600	16-Mar-15			
Mtskheta, GE	7.800	11-May-15			

## 8 Sustainable Action Plans/SEAPs

Signatories	CO2 target	Analysis Status
Tbilisi, GE	25%	
Rustavi, GE	24%	
Kutaisi, GE	23%	
Batumi, GE	22%	
Gori, GE	27%	
Zugdidi,GE	24%	 
Telavi City Hal	20%	
Akhaltikhe City	21%	

Sustainable Energy Action Plans Accepted 

Sustainable Energy Action Plans Submitted 

 - Step1: Signature

 - Step2: SEAP Submitted

# UNDP/GEF Projects

## **Biomass Production and Utilization in Georgia**

- ❖ Establishment of pilot biomass upgrading plants;
- ❖ Increase in market confidence about the production and utilization of biomass fuels, especially in heating applications.
- ❖ Increased public awareness about the benefits of upgraded biomass fuels.
- ❖ Elaboration of Biomass Strategy

## **Green Cities: Integrated Sustainable Transport for Batumi and Ajara**

- ❖ Improved planning and management for sustainable urban transport.
- ❖ Investment in infrastructure for sustainable urban transport and green urban development.
- ❖ Improved touristic image of the Ajara Autonomous Republic and City of Batumi through the implementation of the Green City vision.
- ❖ Fulfillment of national obligations under the global climate change action.

## **Energy Efficiency and RE installations in Kinder garden**

- ❖ the hybrid solar-natural gas heating and water heating was installed which has replaced the previous inefficient system
- ❖ Weatherization measures was conducted

## *Other Projects*

### ❖ **EE renovation and reconstruction of 25 state schools in Tbilisi**

Council of Europe Development Bank loan & E5P grant

### ❖ **Batumi – Pre-Feasibility Study for introduction of an Energy Efficiency Framework and Short-Listing for Municipal Buildings**

Being prepared with assistance from KfW

### ❖ **Tbilisi Bus Project**

CNG buses for Tbilisi municipality – EBRD & E5P

### ❖ **Support to Energy Efficiency and Sustainable Energy in Georgia**

- ❖ Danish Government (DANIDA) & NEFCO program of technical assistance linked to financial support for energy-efficiency demonstration projects (public buildings) and trainings for Energy Auditors, awareness raising campaigns in Georgia

# Barriers ....

- *Low price on Energy;*
- *No Mandatory Legislation at present;*
- *No incentives for private sector to be involved;*
- *Lack of capacity skills and human resources;*
- *Lack of sufficient level of awareness;*

Thanks for Attention !

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