



საქართველოს ენერჯეტიკის სამინისტრო

National Sustainable Energy Policy in Georgia

Natalia Jamburia

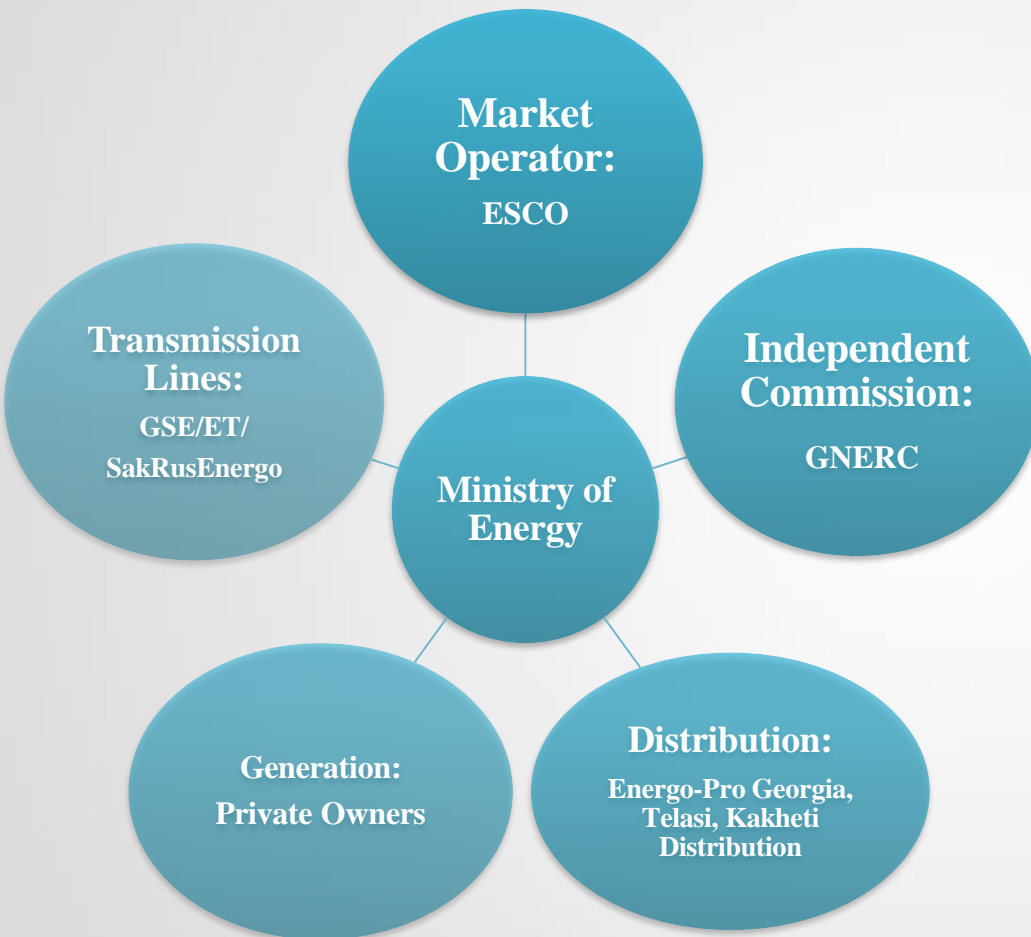
Division of Energy Efficiency &
Alternative Energy
Ministry of Energy of Georgia



29 September, 2017 Geneva, Switzerland



Energy Sector of Georgia



Ministry of Energy

- Sets policies and is responsible for facilitating investment projects

Independent regulator – GNERC

- Establishes tariffs, licensing rules and standards
- Resolves relations between customers and companies

Technical operator/Transmission Services - HV lines, HV substations and dispatching

- GSE and ET (100% state owned)
- SakRusEnergo (50% state owned and 50% owned by Inter RAO)

Electricity System Commercial operator – ESCO

- Balances market, emergency import/export
- Reserves capacity trader

Generation

- 74 Hydro Power plants & 1 Wind power plant
- 6 Thermal Power plants

Distribution Companies

- All Distribution Co.s, under the private ownership: Telasi, Energo-pro Georgia;



New Energy Policy

Ensuring security of energy supply and improving Georgia's overall Energy security by:

- *Diversification of the energy supply resources, optimal utilization and reserve creation of the Georgian energy resources;*
- *Efficient exploitation of renewable energy resources;*
- *Gradual approach of Georgian legislation to EU legislation;*
- *Georgian energy market development and improvement of the energy trade mechanisms;*
- *Increasing the role of Georgia as a regional transit country;*
- *Georgia – clean energy production and regional center for the energy trade;*
- *Creation of unified approach on Energy Efficiency and its execution;*
- *Consideration of the environmental issues while implementing energy projects;*
- *Improvement of the service level and consumers rights protection.*



International Commitments reflected in Energy Policy

*EU Association
Agreement*

*Energy
Strategy*

Under development

*Energy
Community
Treaty*



*New Energy
Policy
2015*

*(I)NDC
SDGs & Paris
Agreement*



Operating Power Plants in Georgia

Total Installed Capacity - 4099 MW

76 Hydropower Plants:

Installed Capacity – 3159.49 MW

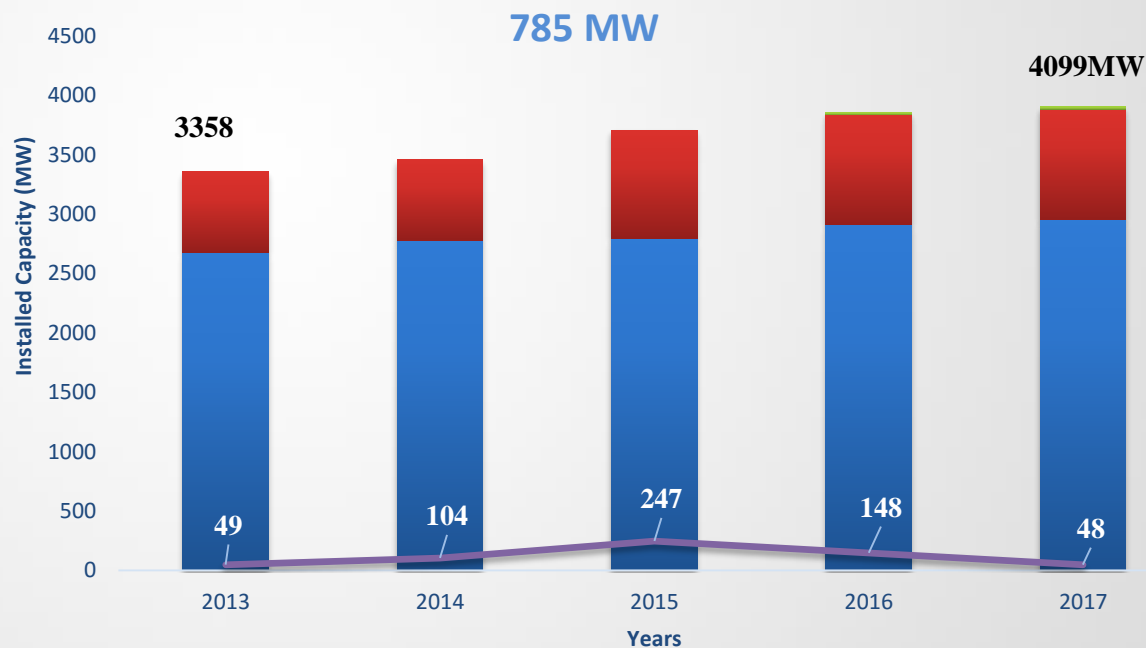
1 Wind Power Plant:

Installed Capacity – 20.7 MW

6 Thermal Power Plant:

Installed Capacity – 926.4 MW

Operating Power Plants in Georgia (2013-2017)





The project pipeline is following:

- ❖ Construction Stage - 17 projects (524 MW – 1.4 bln USD);
- ❖ Licensing Stage – 20 projects (223 MW – 352 mln USD);
- ❖ Feasibility Study – 102 projects (3,750 MW – 5.8 bln USD);
 - 17 WPP Projects (1156 MW – 1.8 bln USD);
 - 11 SPP Projects (505 MW – 497 mln USD).



TOTAL: 139 Power Plant Projects – 4,497 MW – 8.3 bln USD



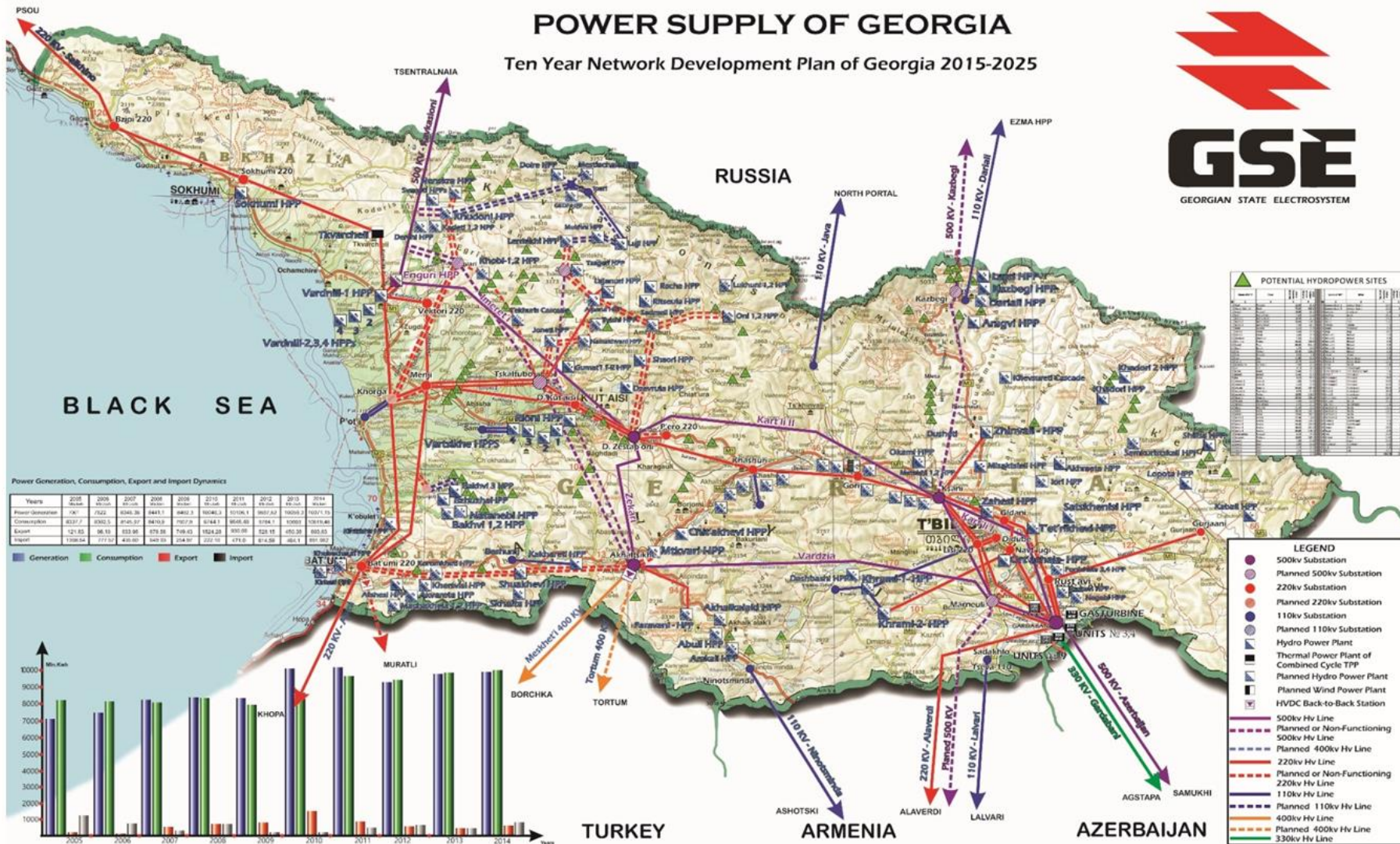
- ❖ Thermal power plant projects are being developed;
- ❖ Major gasification, since 2012, of the country is in progress.



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POWER SUPPLY OF GEORGIA

Ten Year Network Development Plan of Georgia 2015-2025





Supporting Sustainable Energy Policy

- Law on Electricity and Natural Gas;
- State Program “Renewable Energy -2008”;
 - List of potential HPP projects – publicly Available
 - Expression of Interests regulated by GoG Decree No. 214;
 - Other RE projects regulated by Order No.40;
- Improvement of existing legislative framework in compliance with EU Directives -2017-2019:
 - Emending Law on Electricity and Natural Gas ;
 - Approval of first National Energy Efficiency Action Plan;
 - Finalization of National Renewable Energy Action Plan.
 - Drafting the regulation for RE integration in to the electricity grid (DANIDA);
 - Etc.
- 10 year development plans for Electricity and Gas Networks – developed;
- Priority of Access for RE;
- Re-metering finalized, now focusing on Improving quality of the distribution service;
- NET Metering for small scale RE technologies – Implemented;
- Tariff methodology improved, incentives for rehabilitation are introduced.
- Cross boarded exchange opportunities are available;



Policy Programs/ Projects Promoting EE

EC-LEDS 2013- 2017

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

NEEAP 2015-2017

- *Based on EED requirement and characteristics of Sectors;*
- *EE Policy Measures.*
- *Sectoral EE Measures in Power, Industry, Transport, Buildings and Service.*

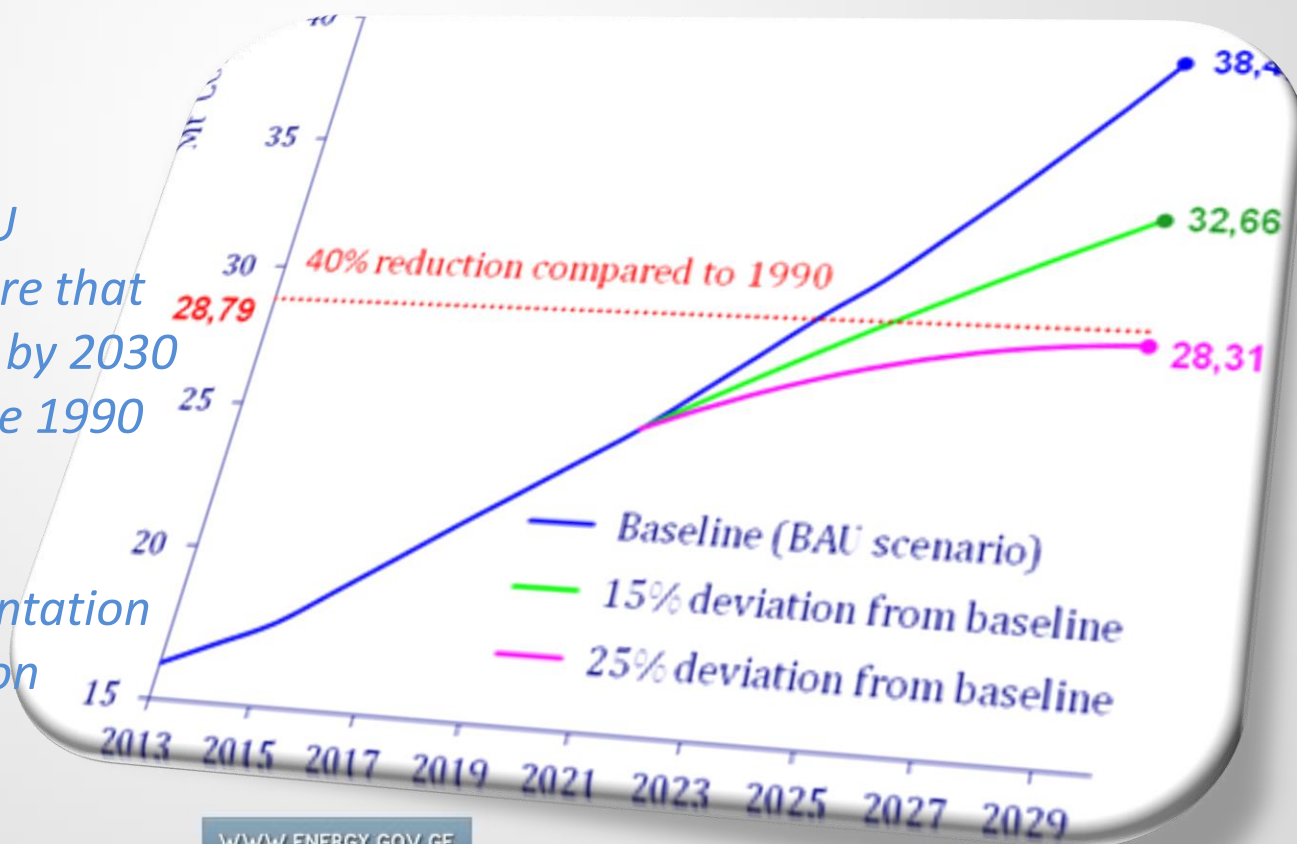
Consultancy on EE and Sustainable Development in Georgia 2016-2020

- *EE Building Regulation;*
- *EE Product labelling;*
- *Energy Statistics for EE and RE;*
- *Grid code for integration of renewable energy into national power system*
- *Feasibility study for EE in public Buildings;*
- *Awareness raising and training of energy auditors;*



Georgia's INDC

- Unconditional Reduction of GHGs by 15 % below the BAU for 2030;
- 15% reduction target can be increased up to 25% in a conditional manner;
- 25% reduction below BAU scenario would also ensure that Georgian GHG emissions by 2030 will stay at 40% below the 1990 levels;
- LEDS & NEEAP implementation pre-2020 mitigation action





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Thank you for attention!

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