



Ministry of Economy and Sustainable Development of Georgia

---

---

**Ministry of Economy and Sustainable  
Development activities in promotion of use  
of renewable energy**

---

Margalita Arabidze

Head of Energy Efficiency and Renewable Energy Policy and  
Sustainable Development Department



*Tbilisi, 2023*



## COOPERATION WITH UNECE

At the same time, 2 representatives of Ministry of Economy and Sustainable Development are vice-chairs of and are actively involved in the activities of Group of Experts on Renewable Energy (GERE) and Group of Experts on Energy Efficiency (GEEE) respectively;

- Bureau member of Committee on sustainable Energy;
- UNECE Hydrogen Task Force working group;
- Capacity building activities;
- Conducting number of country specific studies.





## POLICY OVERVIEW

- Renewable Energy Law - In force since December 2019;
- Law on Energy and Water Supply – In force since December 2019;
- Law on Public and Private Partnership - in force since May 2018;
- Law on Energy Performance of Buildings - In force since May 2020;
- Law on Energy Efficiency – In force since May 2020;
- National Energy and Climate Action Plan (NECP) – draft version;
- Regulation on RES Support Scheme – In force since July 2020



## CURRENT ENERGY BALANCE

The installed capacity of the energy system of Georgia - 4 564 MW

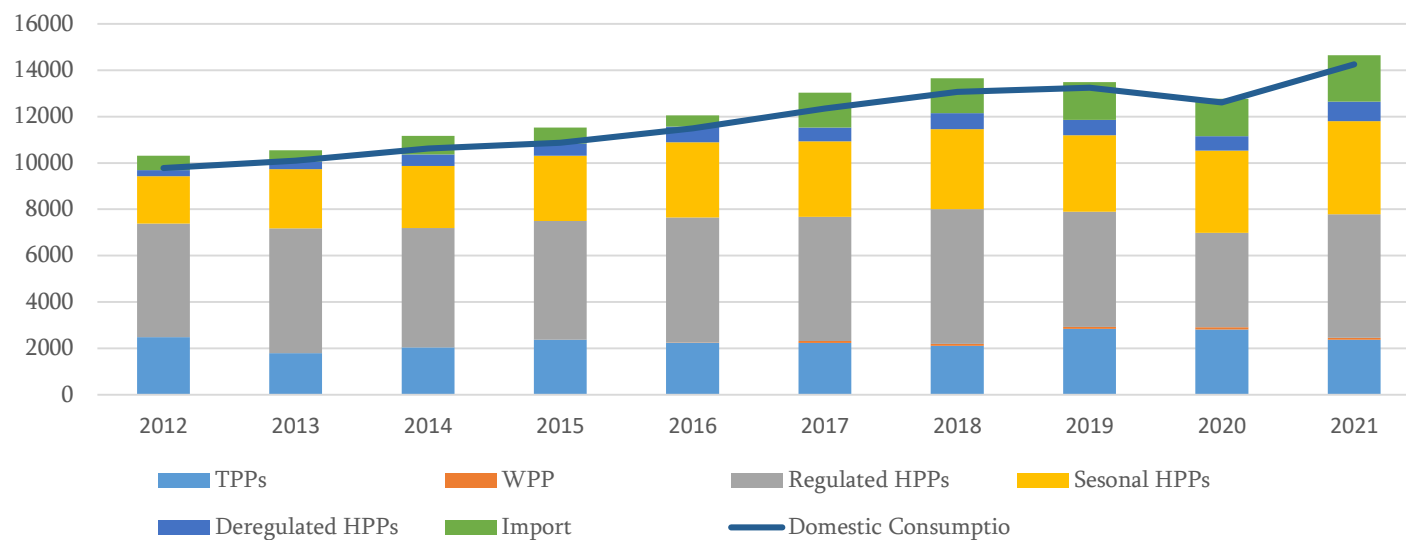
Including:

Hydro plants - 3 354 MW

Wind power plant - 20.7 MW

Thermal power stations - 1 189 MW

Electricity Supply  
Mln.kWh



UNECE



## ELECTRICITY ENERGY BALANCE OF GEORGIA

According to the data of the period of January-December 2022

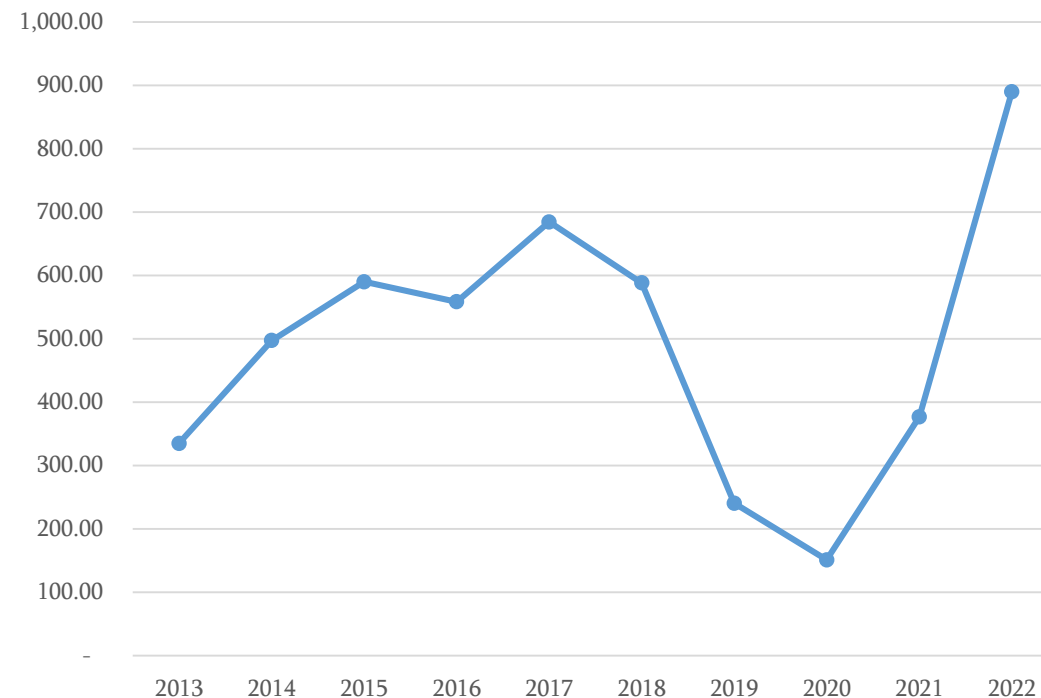
- Local electricity generation reached the highest level in the same period of last years
- Export of electricity has reached the maximum in the last 12 years

### Actual data for 2022 (January-December):

- Generation – 10.96 Billion. Kwh
- Local consumption - 11.15 Billion. Kwh
- Import - 1,462 Billion. Kwh
- Export - 0,98 Billion. Kwh



Export of electricity, million kWh  
(January-September)





## LAW OF GEORGIA ON PROMOTING THE GENERATION AND CONSUMPTION OF ENERGY FROM RENEWABLE SOURCES

*The main objectives of the law are:*

- Establishing the legal framework for promoting the use of all types of renewable energy sources;
- Setting the goal of increasing the share of renewable energy in the country's total energy consumption (including the transport sector).



**UNECE**



## LAW OF GEORGIA ON PROMOTING THE GENERATION AND CONSUMPTION OF ENERGY FROM RENEWABLE SOURCES

### PROGRESS:

- 8 by-laws have already been adopted;
- In 2023-2024, additional by-laws on guarantees of origin, biofuel/biogas, etc. will be developed;
- Also, an educational and certification program was prepared, which concerns the professional training of installers of renewable energy devices;
- At this stage, the final comments from the interested parties are reflected in the document;
- An initial version of the final version of the RIA has been developed;
- Amendments to the law will be submitted to the Parliament by the end of the 2023 year



## 8 BY-LAWS HAVE BEEN ADOPTED, ACCORDING TO THE LAW OF GEORGIA “ON PROMOTING THE GENERATION AND CONSUMPTION OF ENERGY FROM RENEWABLE SOURCES”

- Methodology for calculating energy received from RES
- Support schemes for the production and use of renewable energy sources
- Rule for Accounting the Energy Received from Heat Pumps
- Rule on developing minimum requirements for the template for national renewable energy action plans
- Legal act regulating ecologic labeling, as well as ecologic criteria for labeling electric, gas and gas absorption heat pumps
- List of Qualified and Certified Installers
- Rule for Issuance of Certificates of Origin for Electricity from Renewable Sources
- Rule for Normalization of Accounting Electricity generated from Hydro Energy and Wind Energy





## 4 DIRECTIONS OF “PROFESSIONAL TRAINING PROGRAM OF INSTALLERS OF EQUIPMENT OF RENEWABLE ENERGY SOURCES”

Educational and renewable energy experts hired by the donor organization and relevant professors of the Technical University of Georgia prepared 4 short-term training/retraining programs for installers of renewable energy technologies (75 hours each), namely:

- Installation of equipment of renewable energy sources (solar installation of photovoltaic systems)
- Installation of equipment for renewable energy sources (installation of solar thermal systems);
- Installation of renewable energy sources equipment (installation of biomass boilers and stoves);
- Installation of equipment for renewable energy sources (installation of surface geothermal systems and heat pumps).

A total of 34 installers were certified. (In addition, we are waiting for confirmation of diplomas from 39 installers. In total, 73 certified installers).



## NET-METERING IN GEORGIA

- The number of micro power plants connected to the net metering network has increased;
- Currently, 911 micro power plants are included in the system;
- The total installed capacity of the stations connected to the network is 52 megawatts.



**UNECE**



## CHALLENGES IN RENEWABLE ENERGY

- Low electricity price;
- Increasing electricity demand;
- Low level of awareness;
- Delay of construction of power plants;
- Local protests;
- Transition to liberal market;
- Ongoing energy policy reform.



# Ministry of Economy and Sustainable Development of Georgia

Thank you for your attention!

[marabidze@moesd.gov.ge](mailto:marabidze@moesd.gov.ge)

