



8th Session of the Group of Experts on Renewable Energy

Renewable energy sector overview in Georgia: challenges and opportunities

Nikoloz Kholodov Chief Specialist at Division of EE and RE Policy Promotion, Energy Reforms and International Relations Department

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Policy Overview

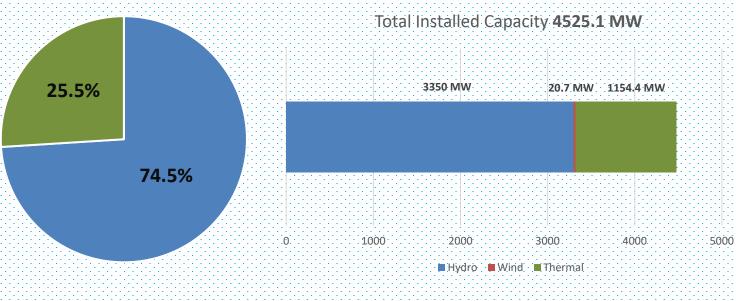
- Renewable Energy Law In force since December 2019;
- Law on Energy and Water Supply In force since December 2019;
- Law on Public and Private Partnership in force since May 2018
- Law on Energy Performance of Buildings In force since May 2020;
- Law on Energy Efficiency In force since May 2020;
- National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





Total Installed Capacity of the Energy System in 2020

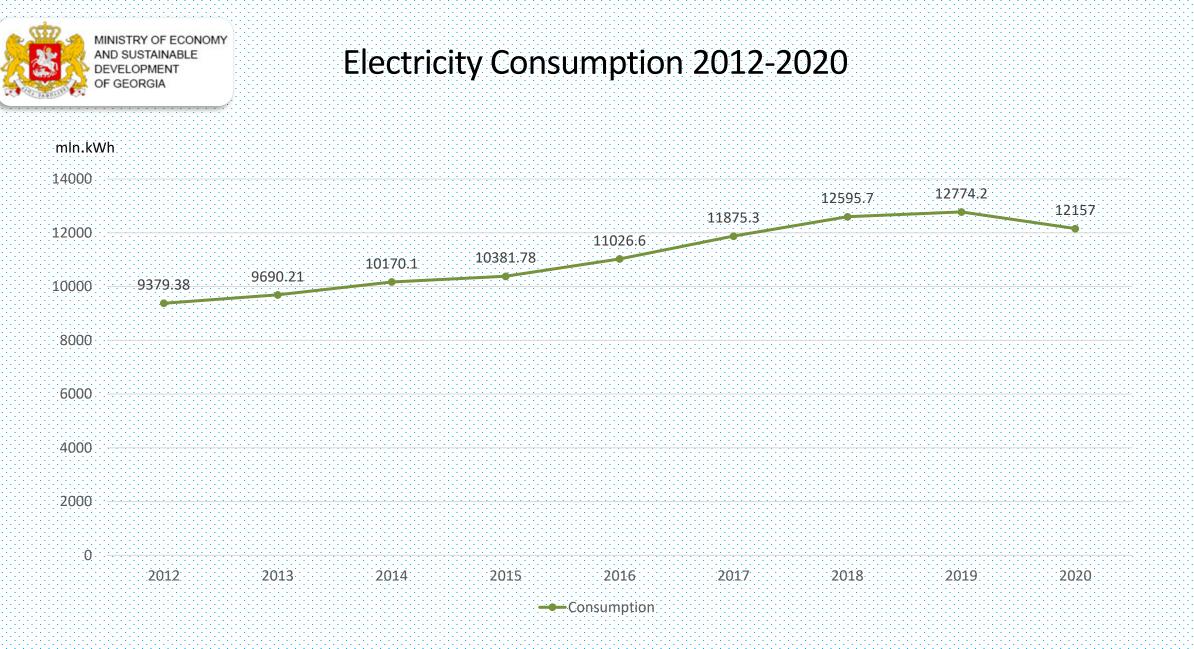
- Hydro Power: 105 Operating HPPs Installed Capacity - 3350 MW
- Wind Power: 1 Operating HPP Installed Capacity – 20.7 MW
- Thermal Power: 6 Operating TPPs
 Installed Capacity **1154.4 MW**



■ RE ■ TPP

Total installed capacity: 4 525.1 MW

25 % increase compared to 2012



Electricity consumption in 2019 has increased by 36% compared to 2012.



Ongoing Renewable Energy Projects

- 24 Projects on Construction and Licensing with installed capacity of 235 MW, annual generation 1,062 mln. kWh
- 26 Projects on the Feasibility Study Stage with Construction Liability 383 MW, annual generation 1,719.9 mln.kWh
- 89 Projects on the Feasibility Study Stage 2,552 MW, annual generation 11,027 mln.kWh

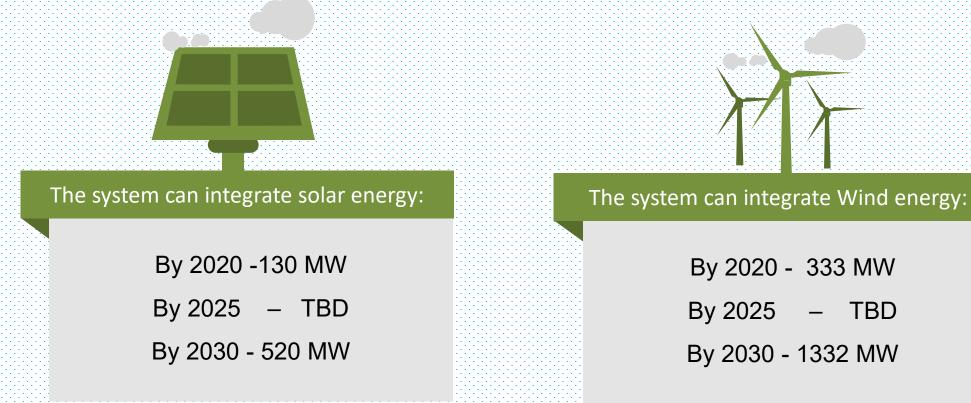






Hydro potential is equal to 40 TWh

Grid Limitations for Variable Renewable Energy (VRE) integration





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MINISTRY OF ECONOMY AND SUSTAINABLE DEVELOPMENT OF GEORGIA

Net-metering in Georgia

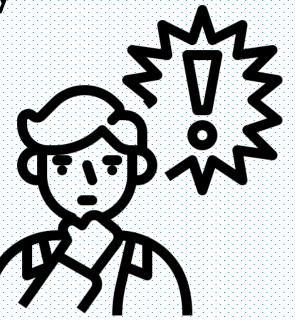
- In 2020 maximum capacity increased from 100 kW to 500 kW,
- Electricity generation by the micro generator and consumption of the generated electricity can take place at different places
 - As of July 2021, there are 304 subscribers with total installed capacity of 10,1 MW.





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 and etc.





UNECE Renewable Energy Uptake: 2021 Hard Talks

"Building Support for renewable energy investments in Georgia"

12-13 October, 2021 (Virtually)

- Organized by UNECE, REN21, dena together with MoESD
- Progress made since 2016 Hard Talk
- Key Discussion Topics: Policy Landscape, Market Structures and Societal Support
- Participants from government agencies, private investors, energy producers, financial and research institutions, NGOs, and international organizations and etc.
- Report with key issues and recommendations will be produced After the Hard Talk



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Thank you for your attention!

Mr. Nikoloz Kholodov

Chief Specialist at Energy Reforms and International Relations Department Email: nkholodov@moesd.gov.ge