Generation Sector

- Existing generation capacity – 4336 MW
  - Hydro – 3160 MW (more than 100 HPPS)
  - Wind – 21 MW (1 wind power plant)
  - Solar – 5 MW (up to 300 micro generators)
  - Thermal – 1155 MW (6 TPPS)
- Ownership share: 55% private, 45% public
- Ongoing RES projects – 1641 MW, 41 Projects
  - Hydro potential – 15,000 MW with annual 50 TWh
  - Wind potential – 1450 MW with 4,16 annual TWh
  - Solar potential – 1500 MW
Support Mechanism for RES in Georgia

Support scheme

Feed in Premium
- Adopted by the Government in 2020
- Eligibility – power plants bigger than 5 MW
- Premium up to – 1.5 $ cent/kwh
- Strike price – 5.5 $ cent/kwh

Schemes under PPP law
- Adopted in 2018
- Possibility for public-private partnership
- Streamlined procedures
- Must have positive social-economic CBA
- Direct negotiation possibility for energy projects

Power Purchasing Agreements
- Since –2008
- Suspended now due to the inconsistency with new market concept
- Under PPAs were constructed up to 500 MW capacity
  - 41 HPPs and 1 wind plant

Net-metering
- Adopted by GNERC
- RES Generators up to 500 KW
- All retail
- All consumer eligible
- Group connection possibility and virtual net metering
New Support mechanism for RES

- Support components:
  - Support period
  - Premium tariff
- Support period - 8 month in a year except May-August
- Premium tariff up to 1.5 Uscent/Kwh
- Strike (market) price – 5.5 Uscent/Kwh
- Monthly payments in GEL according to official exchange rate in a payment period
Electricity Market in Transition

Deregulated Market Segment

- Exchange
  - DA, ID, BM, OTC

Regulated Market Segment (PSOs)

- Wholesale Public Supplier
- RES Support

Deregulated Power Plants
- New RES

Import

Regulated power plants

Renewables under Support

Thermal power plants

Export
- Traders
- Large Consumers
- Free Suppliers

Up to 2026 year

Universal Suppliers

When Balance is Achieved
Micro Generation Development in Numbers

When Balance is Achieved

- Installed capacity
- Number of generators

- 2016
- 2017
- 2018
- 2019
- 2020
- 2021*

- 0
- 1000
- 2000
- 3000
- 4000
- 5000
- 6000

- 2016 2017 2018 2019 2020 2021*

- Installed capacity
- Number of generators
#WhenBalanceisAchieved

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