

Georgian State Electrosystem

**Strengthening the Electricity Transmission Capacity Between the Countries in South
Caucasus**



GSE Corporate Profile

100% State-run T&D company

- Provides power transmission & dispatch services to eligible customers in Georgia, including distribution companies
- Actively participates in power exchange operations with neighboring countries

Assets

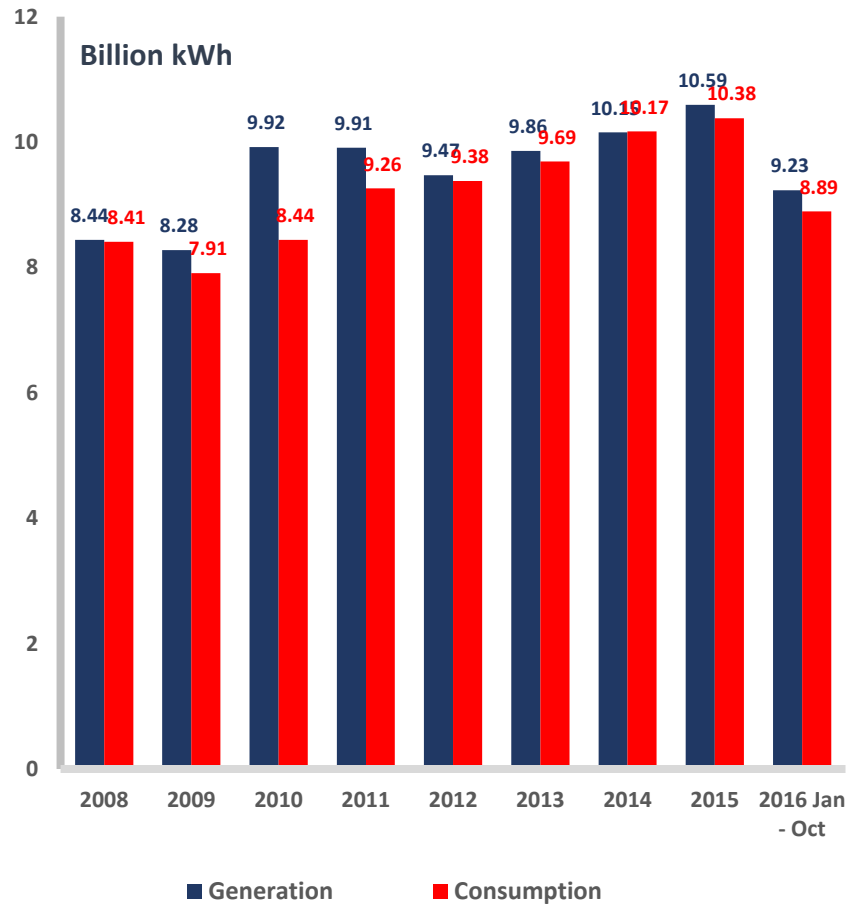
- 500/400/220/110/35kV OHLs with the total length of 2,938km
- 92 Substations (500/220/110/35kV) with the total installed capacity of 10,213 MVA

Subsidiaries

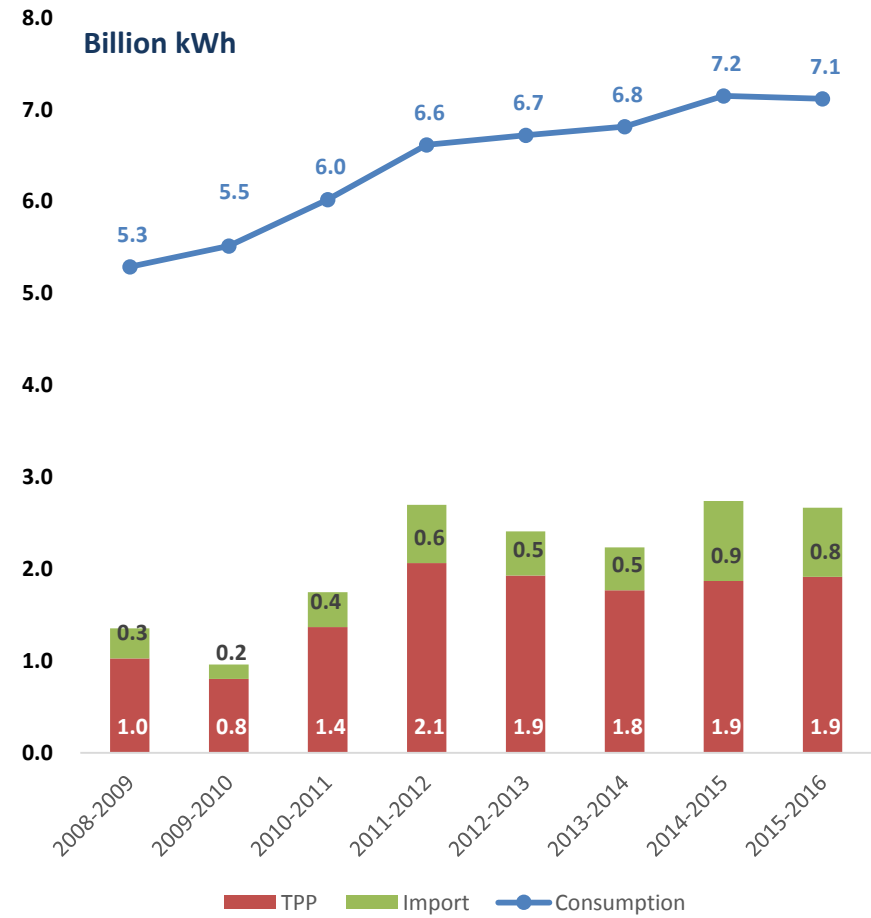
- Energotrans Ltd. (100% GSE shareholding)
- Karchal Energy (99% GSE shareholding)

Statistics

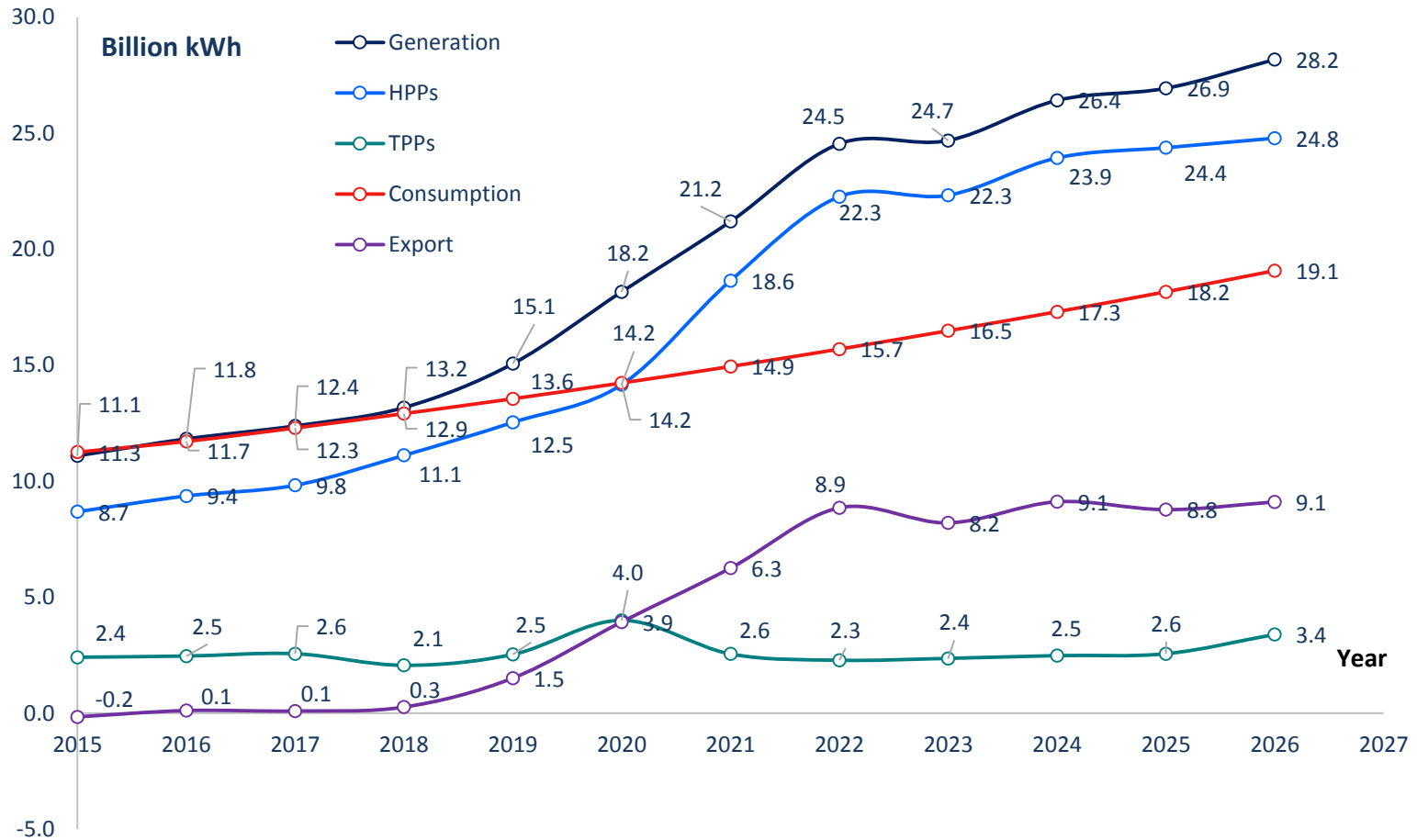
Generation and Consumption



TPPs and Import (August-March)



Forecast for 2026



Georgian State Electrosystem 2009

POWER SUPPLY OF GEORGIA

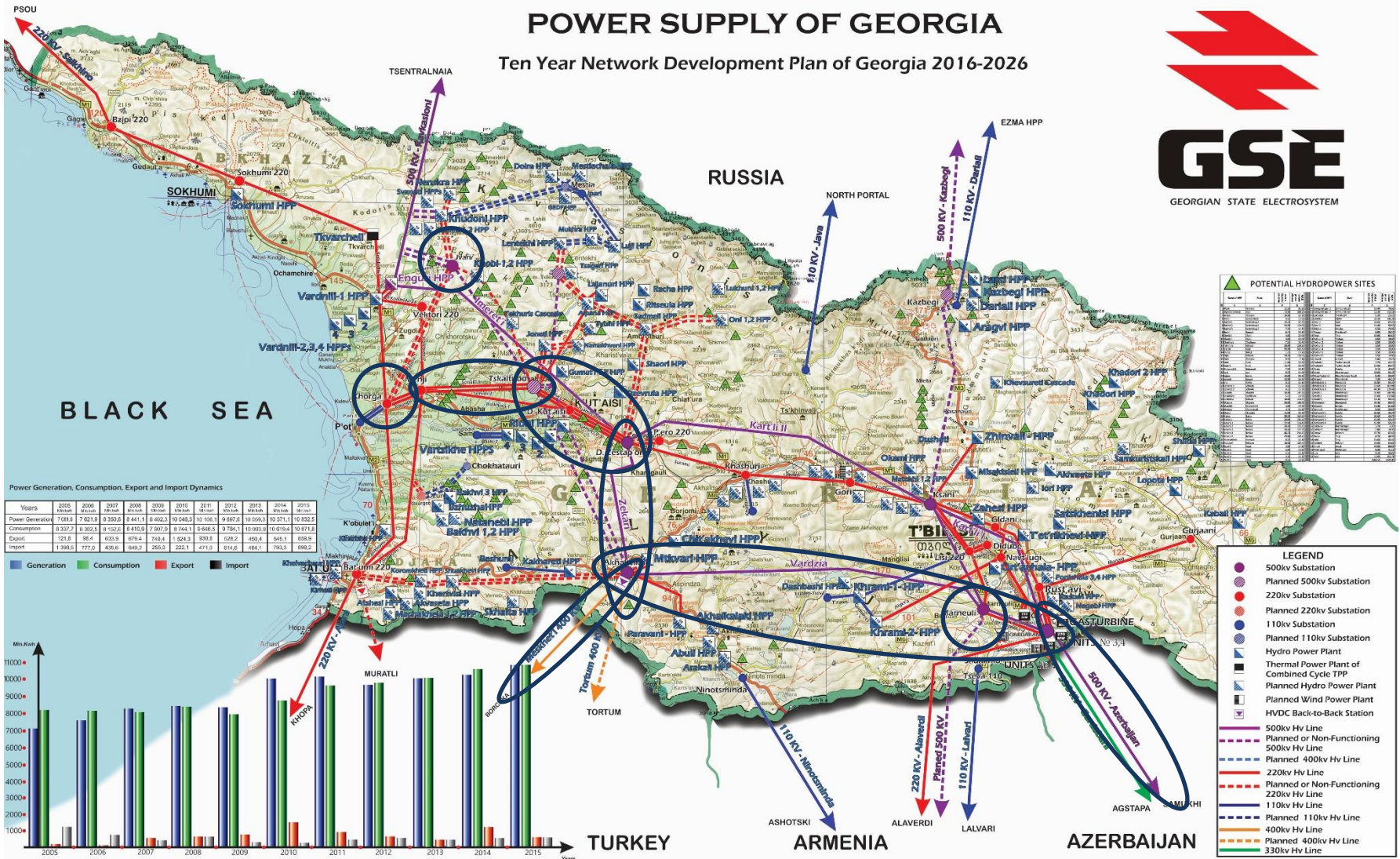
GEORGIAN STATE ELECTROSYSTEM (2009)



Georgian State Electrosystem 2016

POWER SUPPLY OF GEORGIA

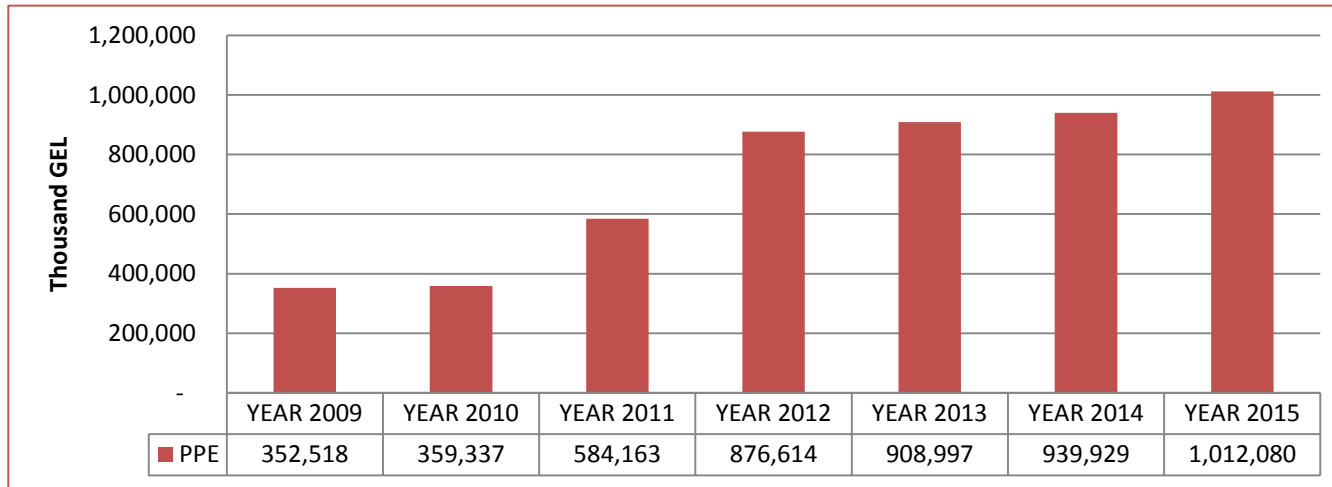
Ten Year Network Development Plan of Georgia 2016-2026



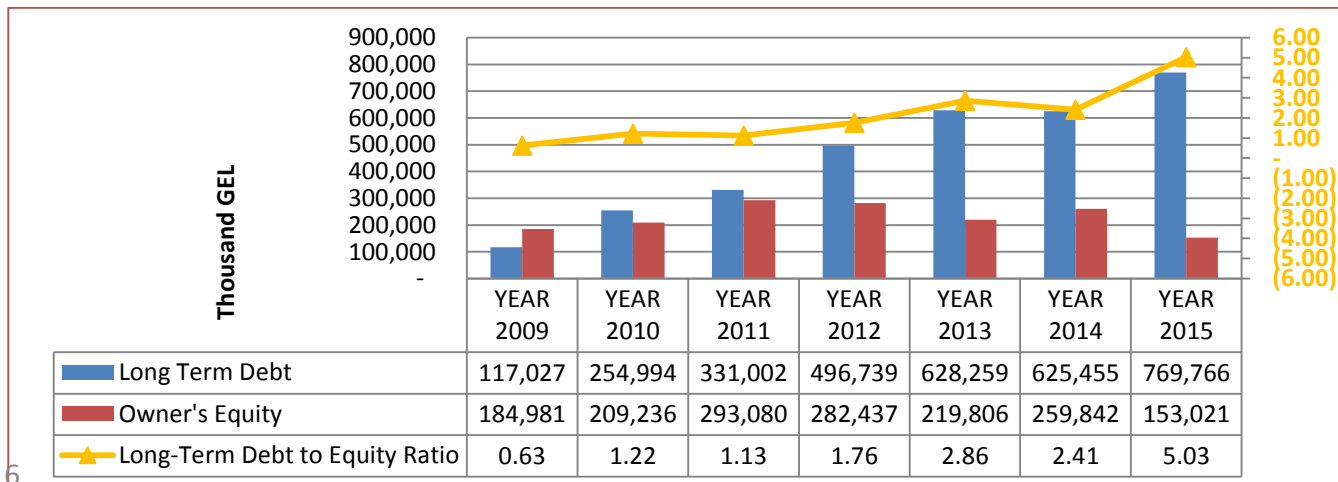
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PPE / Invested Capital

Property Plant & Equipment



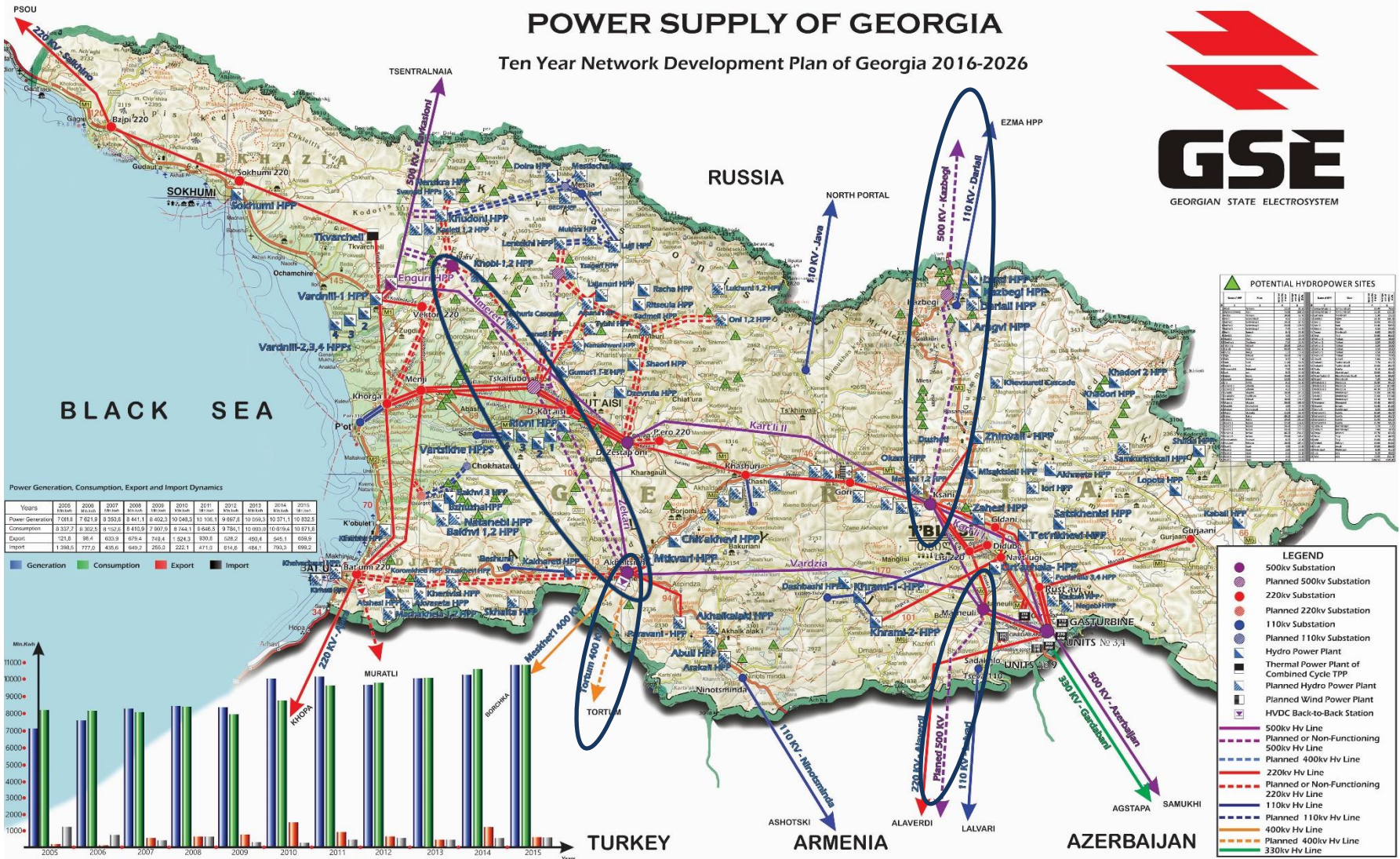
Debt and Equity Capital



Planned Projects

POWER SUPPLY OF GEORGIA

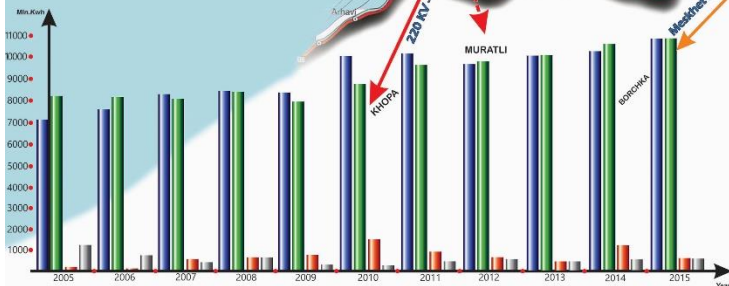
Ten Year Network Development Plan of Georgia 2016-2026



Power Generation, Consumption, Export and Import Dynamics

Years	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Power Generation	8 018.6	8 011.8	8 350.8	8 441.1	8 402.3	10 048.3	10 105.1	9 907.8	10 093.3	10 371.1	10 332.3
Consumption	8 337.7	8 302.5	8 152.8	8 415.9	7 807.6	9 744.1	9 646.3	9 786.1	10 093.3	10 619.4	10 871.8
Export	121.8	96.4	633.9	679.4	749.4	1 324.3	330.0	628.2	450.4	945.1	688.9
Import	1 985.2	777.0	436.6	545.2	255.0	222.1	471.0	614.8	484.1	793.3	699.2

■ Generation ■ Consumption ■ Export ■ Import



13-Dec-16

Cyber Security

- Reserved communication network
- Information security management system (ISO/IEC 27001)
- Upgrade of SCADA system (software, hardware)
- New data centers

Thank you for your attention!