

# Georgian State Electrosystem

## Overall Achievements and Future Perspectives

GEORGIA - ITALY BUSINESS FORUM

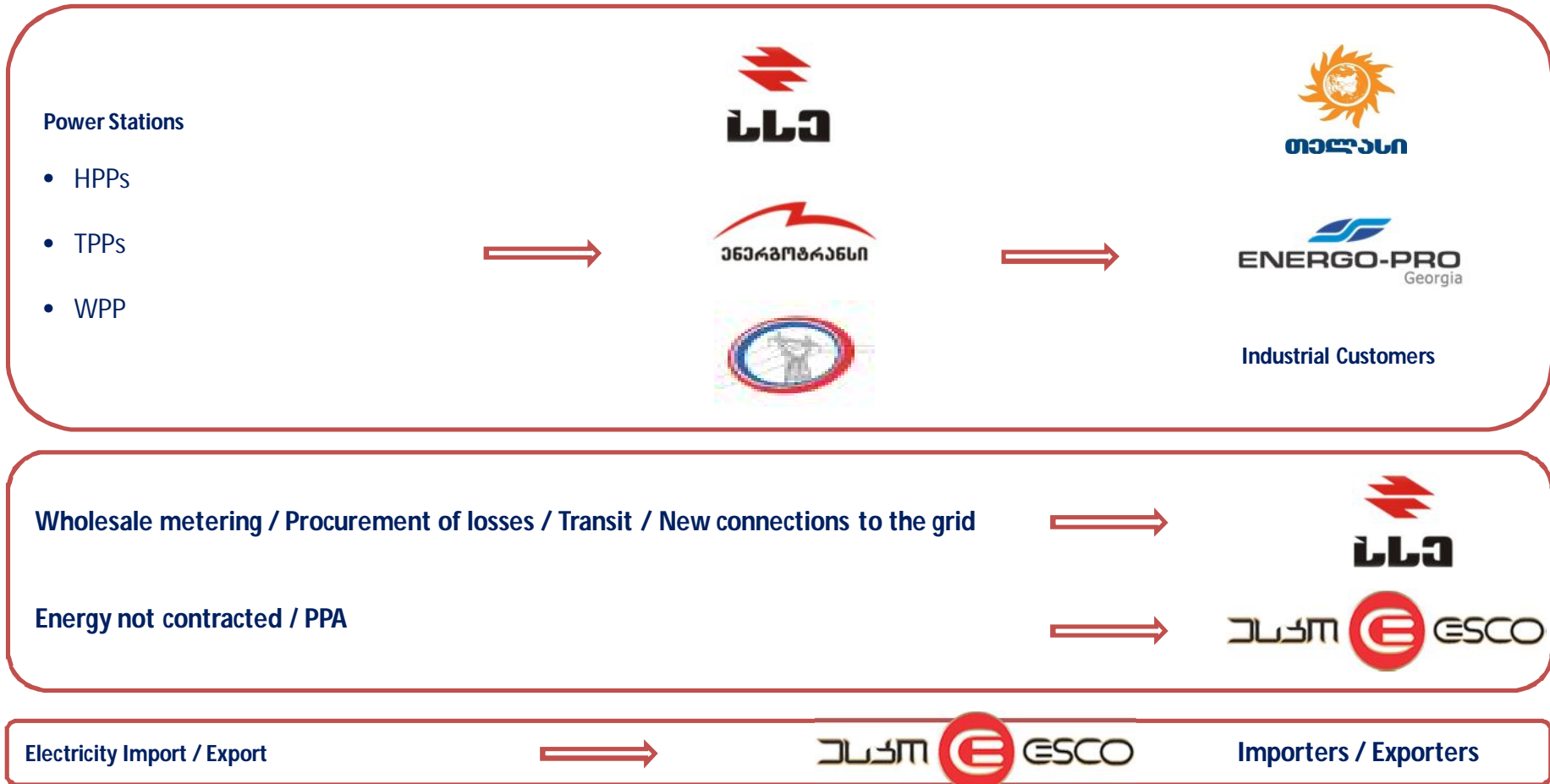
July 4, 2019



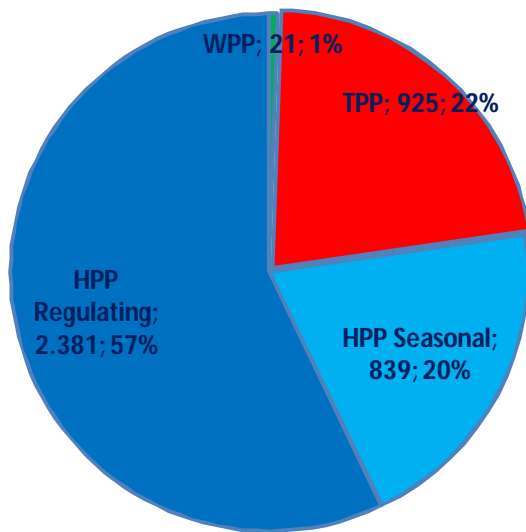
# Georgian Energy Sector



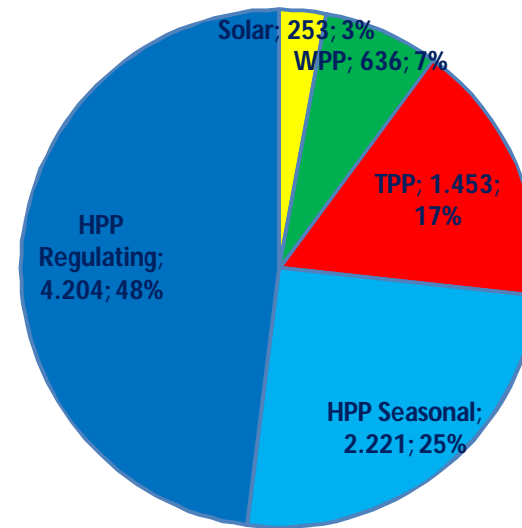
Ministry Of Economy  
And Sustainable Development  
Of Georgia



# Installed Capacity of Power Stations



Installed Capacity by 2019 - 4166 MW

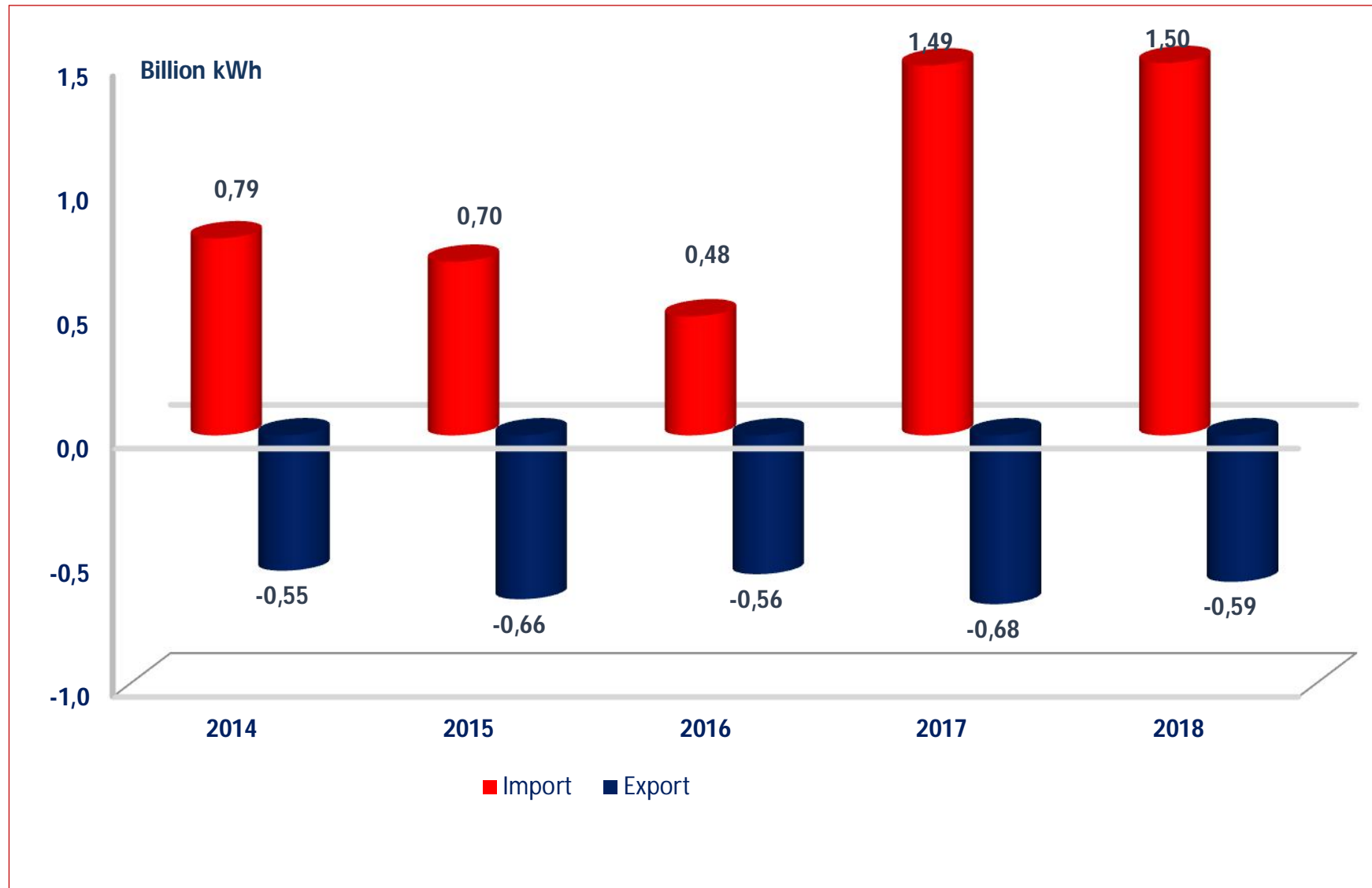


Installed Capacity by 2029 - 8767 MW

# Consumption of Electricity



# Export and Import of Electricity



# 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

- 500/220/110 OHLs with the total length of 3,350km
- 90 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)

# Our Objectives

- Increasing network stability and fulfilling N-1 criterion
- Connecting new power stations to the network and satisfying growing demand for electricity
- Fully utilizing Georgia's export and transit potential

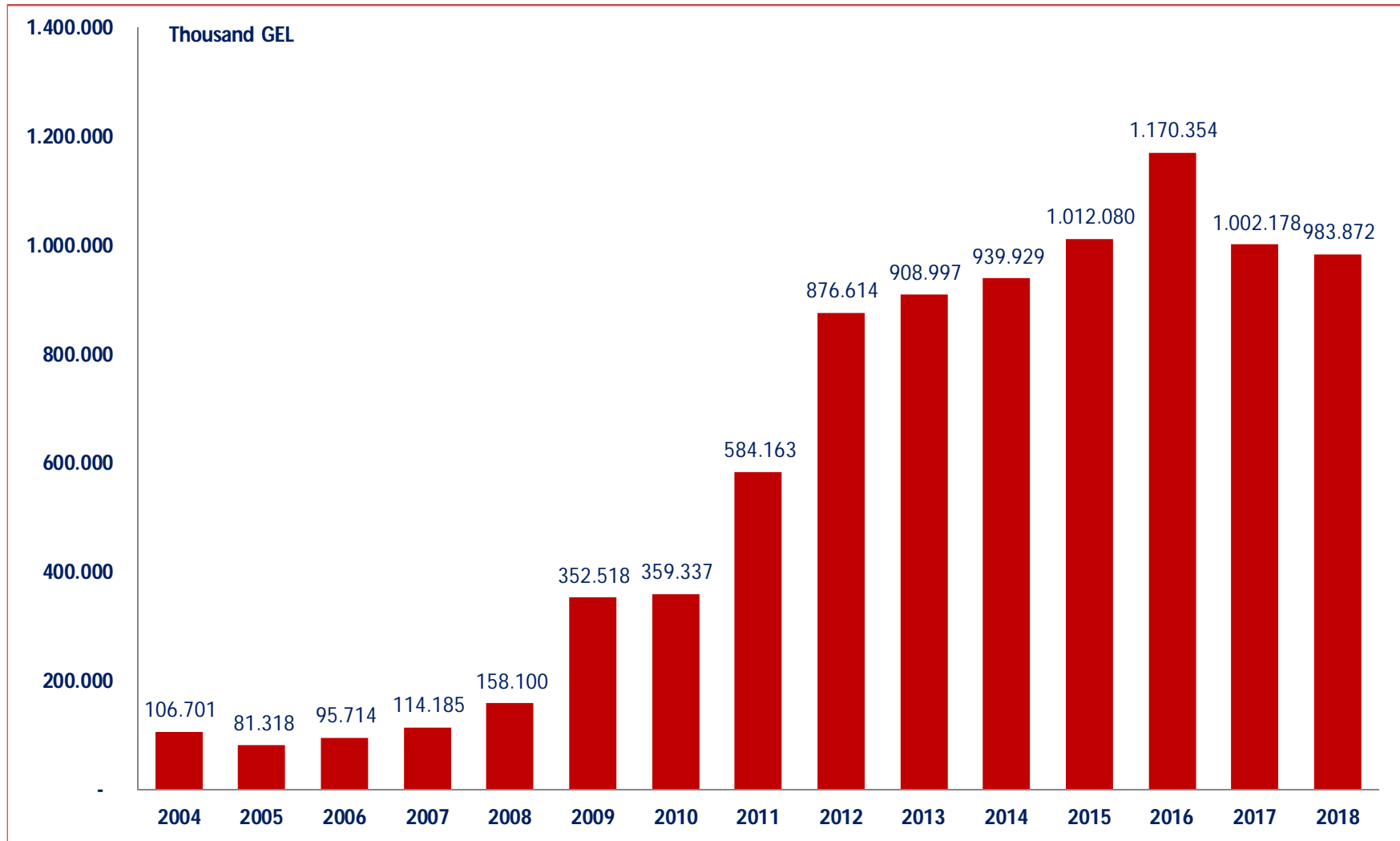
# Major Achievements

## Major Achievements

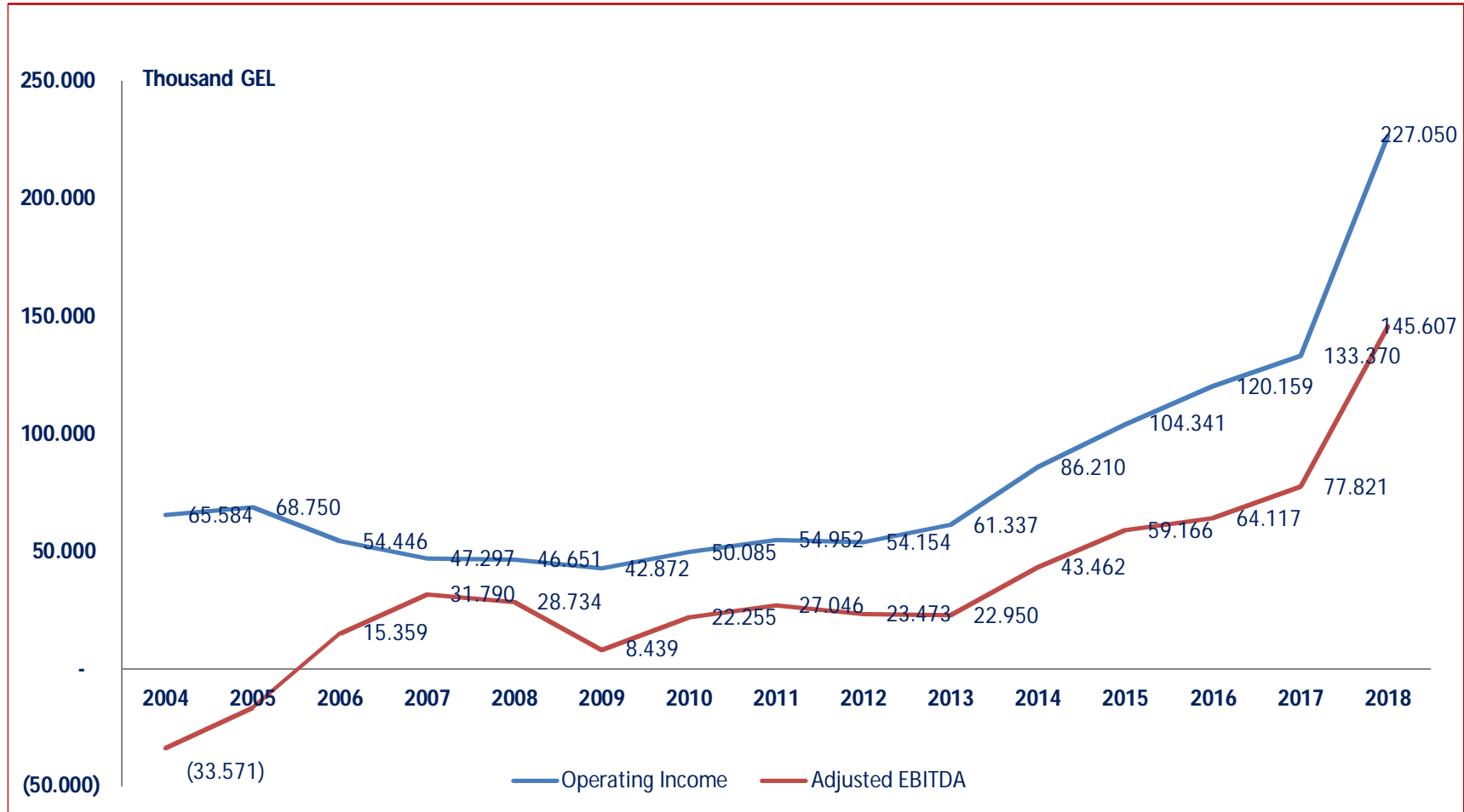
- Increased revenues and PPE
- Full-scale rehabilitation of all existing substations (500kV, 220kV)
- Construction of 7 new substations (500 kV, 220 kV, 110kV, 35kV)
- Construction of more than 500 km of HV transmission lines (500kV, 220kV, 110kV, 35kV)
- Substantial reduction of blackouts and brownouts
- Successful completion of SCADA implementation project
- Successful implementation of Automated Metering System
- Successful implementation of Quality Management System



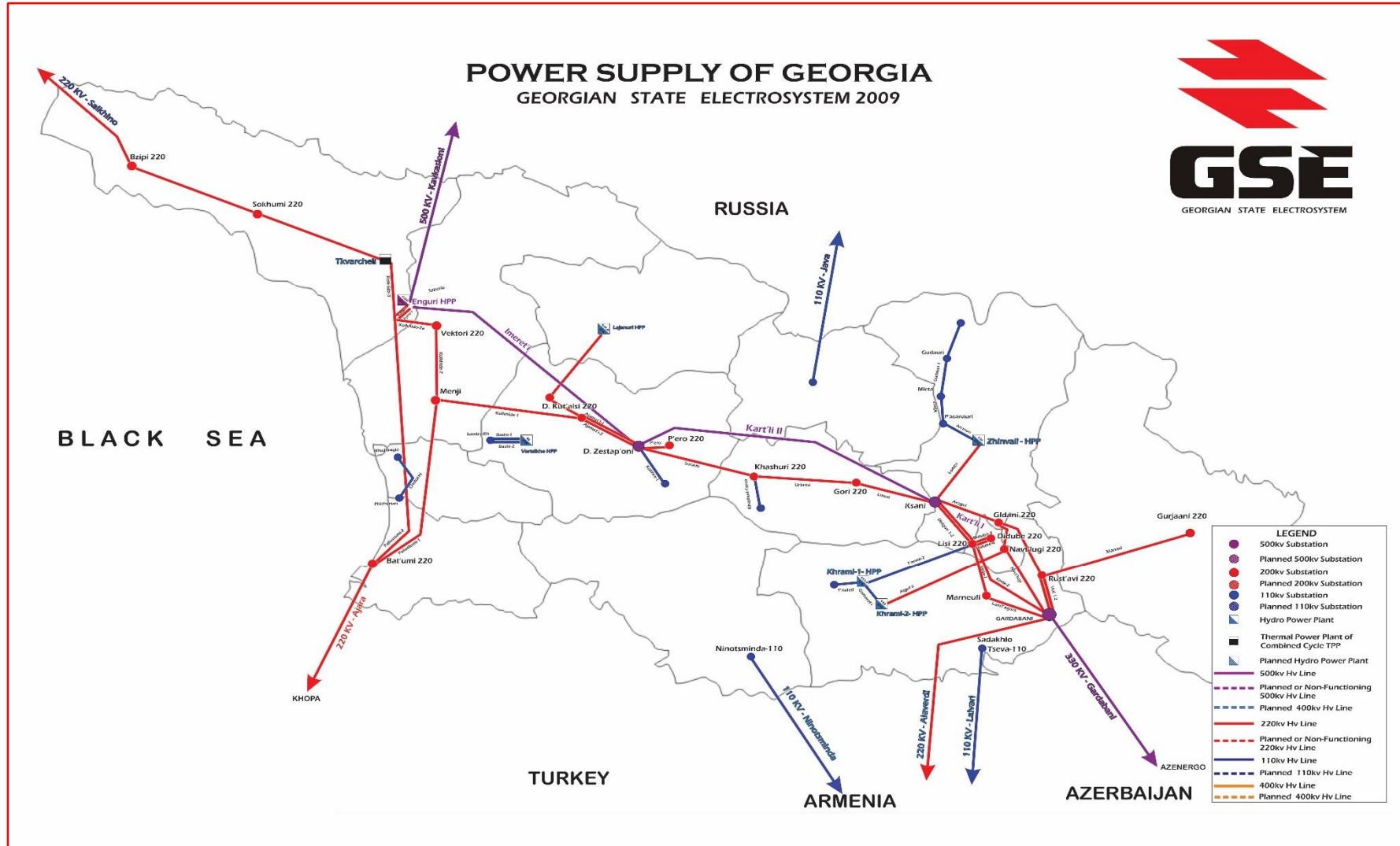
# Property, Plant & Equipment



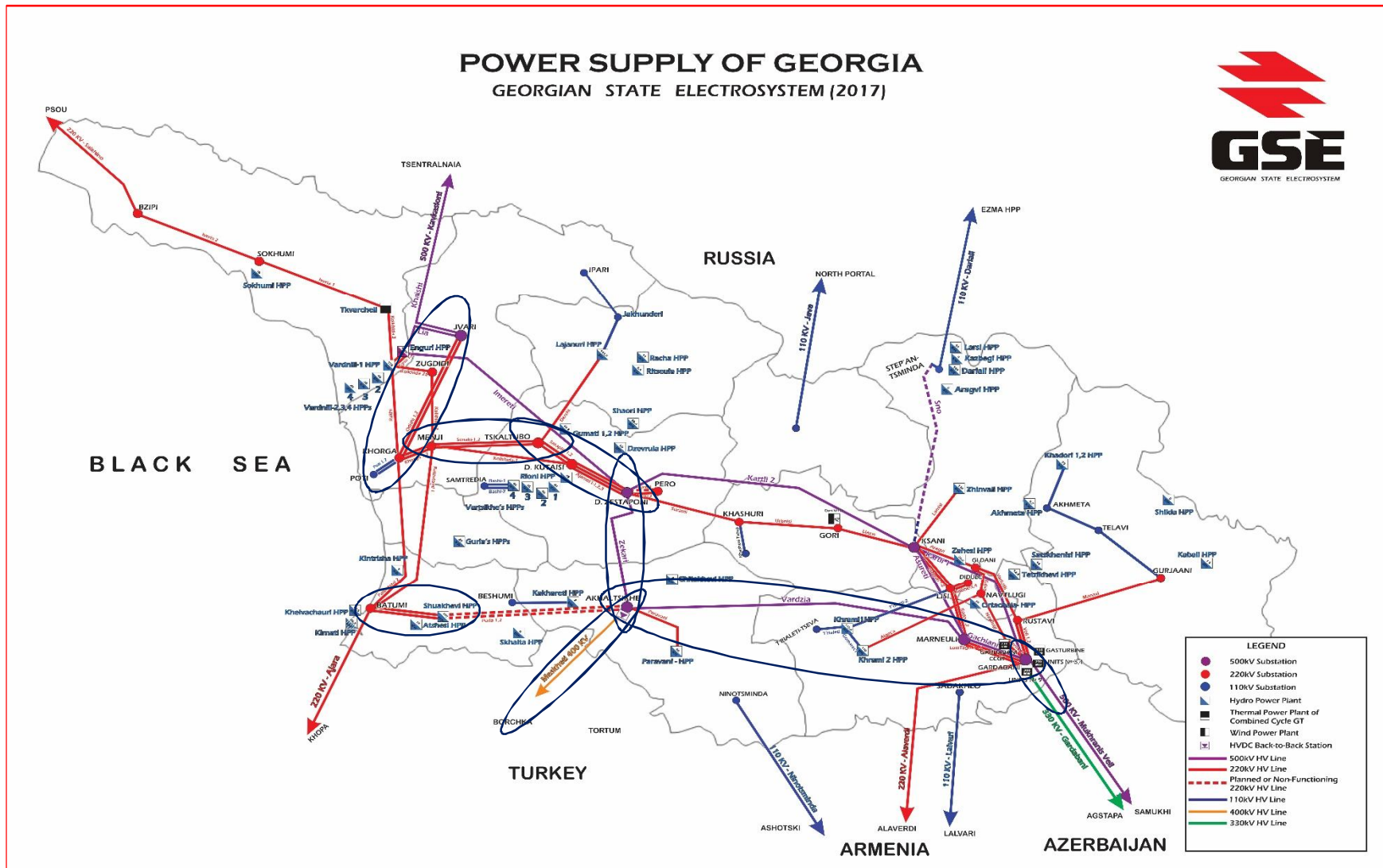
# Operating Income and Adjusted EBITDA



# Power Transmission Network 2009

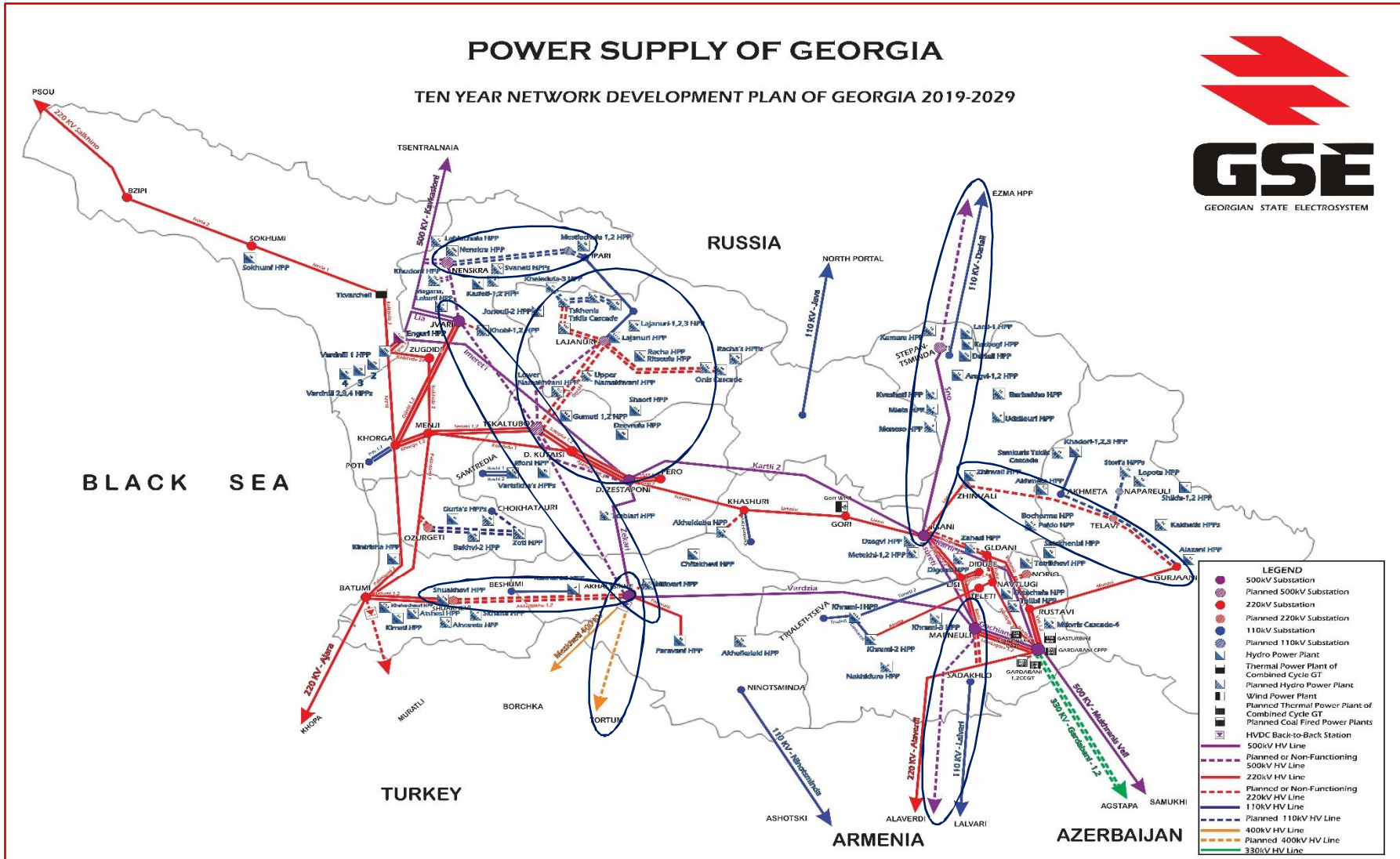


# Power Transmission Network 2017



7/12/2019

# Power Transmission Network 2019 -2029



# Identified Projects and Investments for Network Reinforcement

## According the TYNDP:

- OHLs length will be increased by 500 km
- Capacities of substations will be increased by 3,000 MVA
- Investments of > 300 million EUR will be required for network reinforcement

## The following will become possible:

- Integration of more than 100 HPPs
- Total capacity of integrated new HPPs will be 3,500 MW.
- Annual generation will be increased by 15 billion kWh
- Total investments in HPPs will be 5-6 billion EUR



**Thank You**

