



Israel Electric Corporation

For Paris 2018 Session

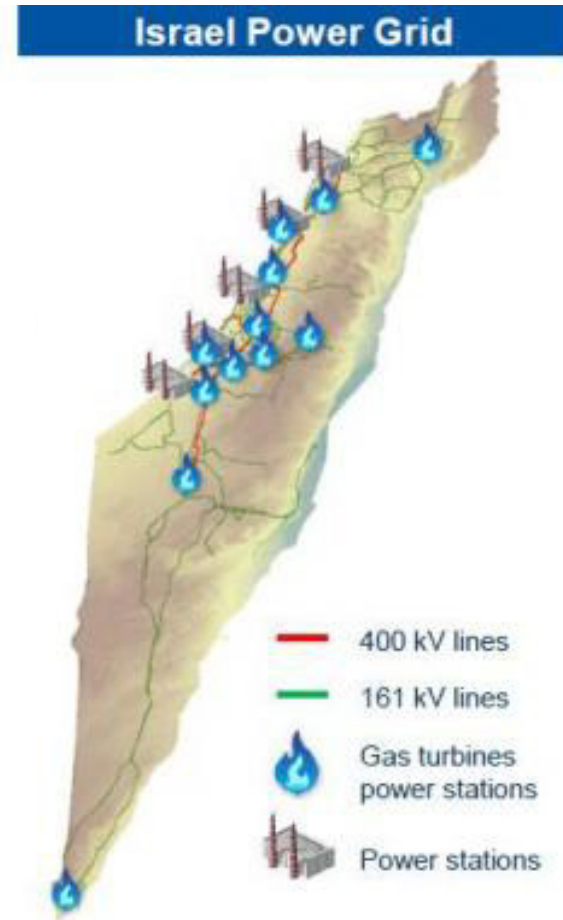
Basic facts

- ❑ Area: ~22,000 km²
- ❑ Population: 8.8 Millions
- ❑ Number of electricity consumers: ~2.8 Millions
- ❑ Number of TSOs: 1
- ❑ Number of DSOs: 6
- ❑ Peak load: ~13,000 MW

Global Map of the Grid

❑ NO Interconnections

« ELECTRICITY ISLAND »



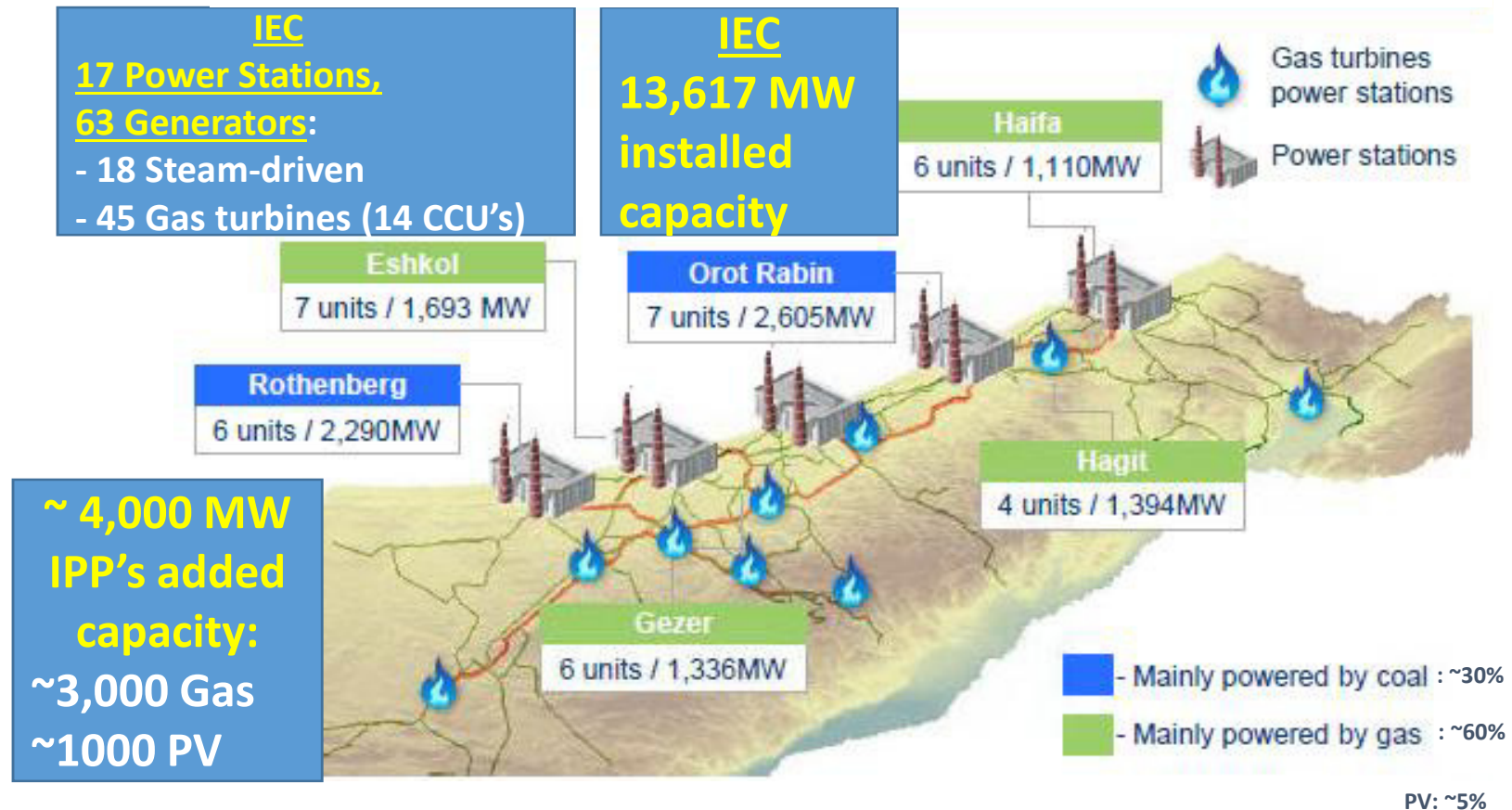
Israel Power System

Grid facts and characteristics

Transmission		Distribution
Transformation System	Power Lines	Distribution Capacity
11 Switching Stations	760 km 400 kV	~50,000 km Medium & Low voltage lines
147 Substations	4,525 km 161 kV	~48,100 Distribution Transformers
49 Private Substations	~100 km 115 kV	~2.8 mn Customers

Israel Power System

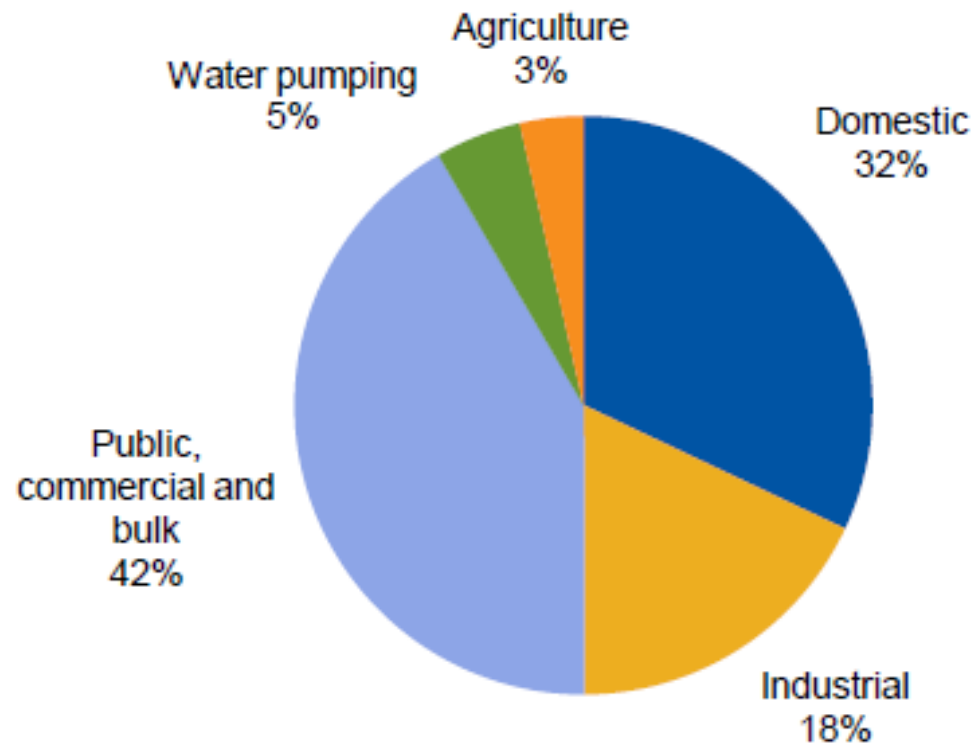
~ 17,600MW -Installed capacity with reference to primary resources



Israel Power System

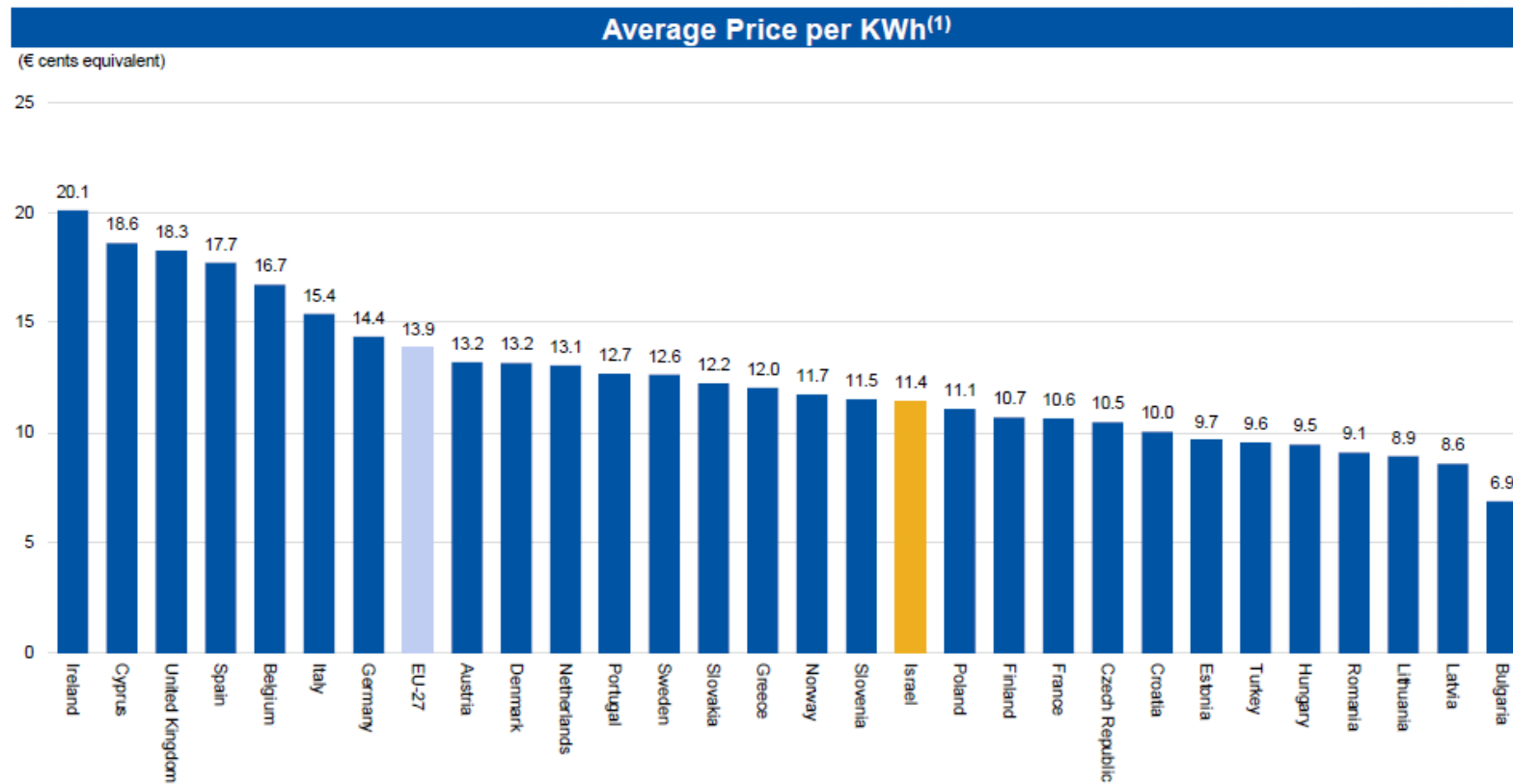
Consumption per customer groups

Total Electricity Consumption by Customer Type



Israel Power System

Price development



Despite several increases in the tariff, aimed at reflecting the Company's costs, the electricity rate in Israel is lower than most of OECD peers

Source: Eurostat, Electricity prices for household consumers, as of June 2014; Based on EUR/ILS rate of 4.72.

1) Average national price in Euro per kWh without taxes for medium size household consumers (consumption band DC with annual consumption between 2500 and 5000 kWh).

Israel Power System



1. **High Short Circuit levels ;**
2. **The IEC's System Backbone: 400 kV System; Transmission Network:161 kV;**
3. **Grid developments are highly dependent on statutory constraints;**
4. **Numerous GIS based Substations;**
5. **Very high level of Cyber security is included in the System design.**