

ENERGY POLICY B 2019

Basma Al-Shatti

JORDAN



Atlantic Ocean

Jordan

Indian Ocean

Atlantic Ocean

OnTheWorldMap.com

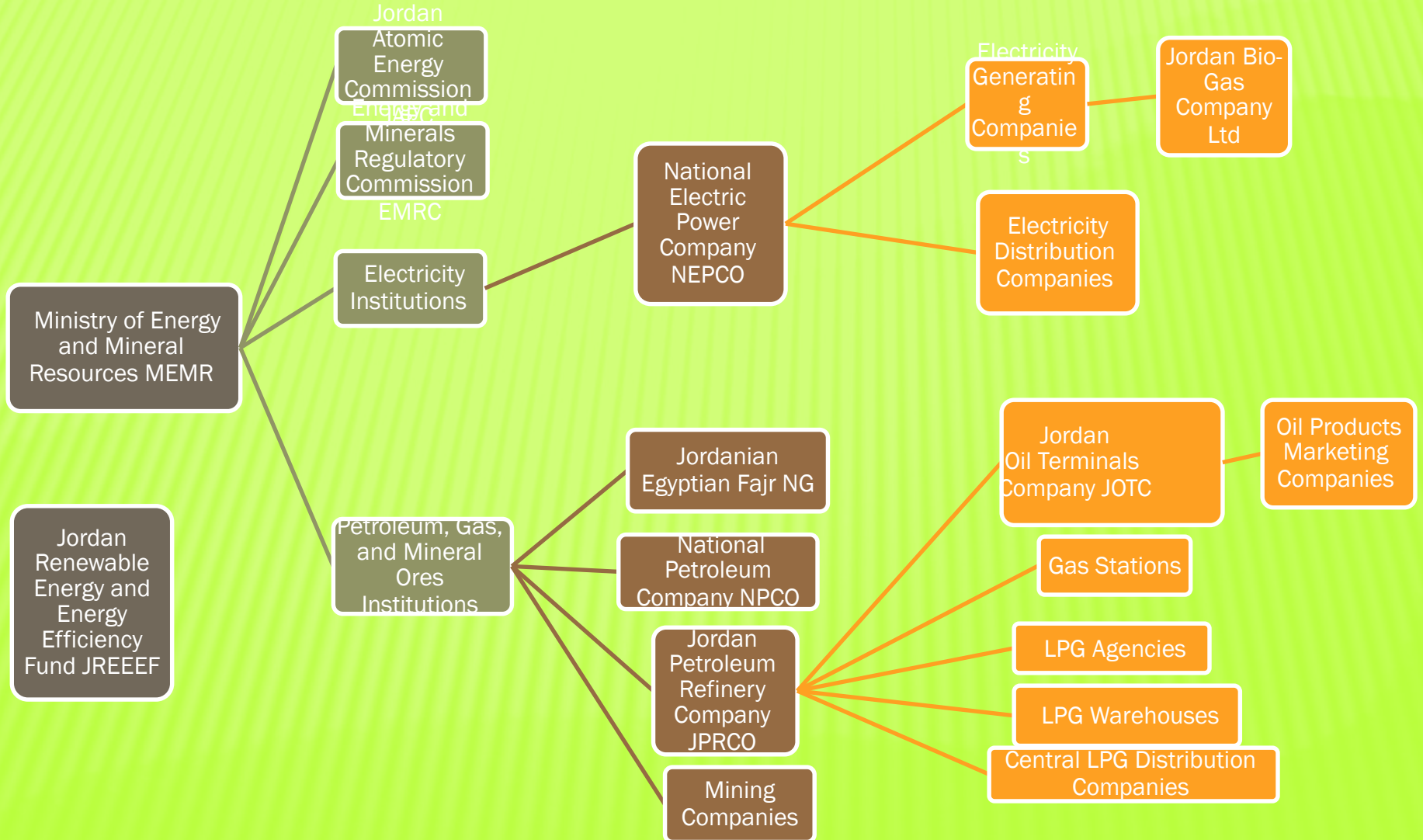
- ✘ 90,000 Km2
- ✘ 10.1 M
- ✘ 85% URBAN AREA



ECONOMIC INDICATORS

- ✘ Population (Million) 10.1
- ✘ GDP 48.363 B\$
- ✘ GDP per capita 4811 \$
- ✘ Energy Intensity 299 (kgoe/US\$1000 Fixed Price)
- ✘ The Cost of Consumed Energy 10%

ORGANIZATIONAL STRUCTURE



RESERVES OF ENERGY AND MINERAL RESOURCES

- × Oil shale: 40-70 billion ton
- × OIL : NA
- × NG: 30 M CM daily
- × Silica: 30 B ton
- × Uranium: 65 K ton
- × Phosphate 3.7 B ton

CURRENT ENERGY POLICY AND MEASURES

Strategic Objectives

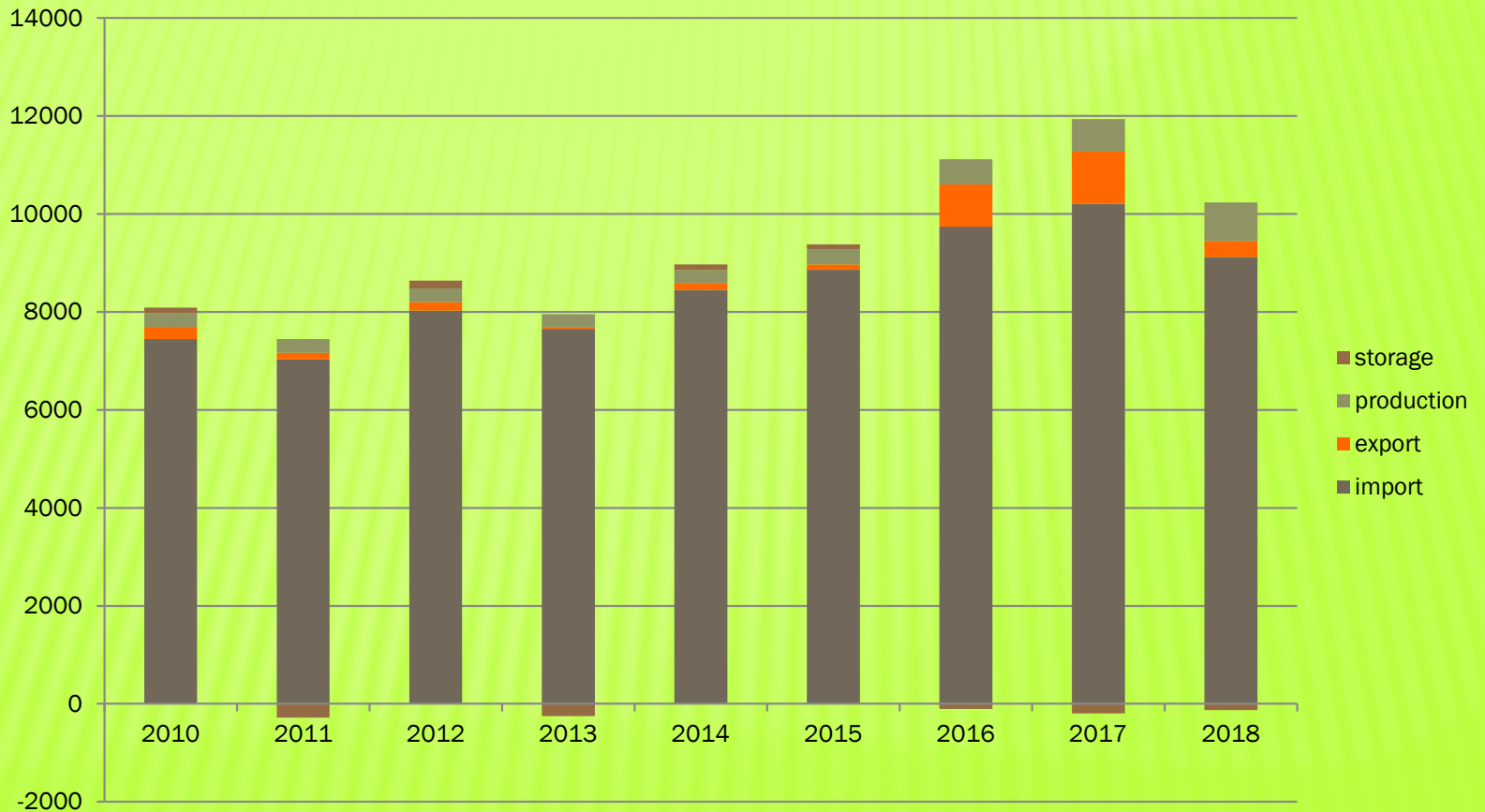
- ✘ Sustain security of energy supply.
- ✘ Increase local resources of energy contribution
- ✘ Increase natural gas contribution to the total energy mix
- ✘ Increase energy efficiency and conservation to 20% in 2020 across all sectors (ref 2007)
- ✘ Increase investment in the mining sector

CURRENT ENERGY POLICY AND MEASURES

- ✘ The local production of energy less than 10% of Jordan total energy needs
- ✘ Subsidies mostly terminated
- ✘ Promoting RE& EE as local source
- ✘ Semi monopoly sector

PAST ENERGY DEMAND AND SUPPLY

Primary energy supply ktoe/ source



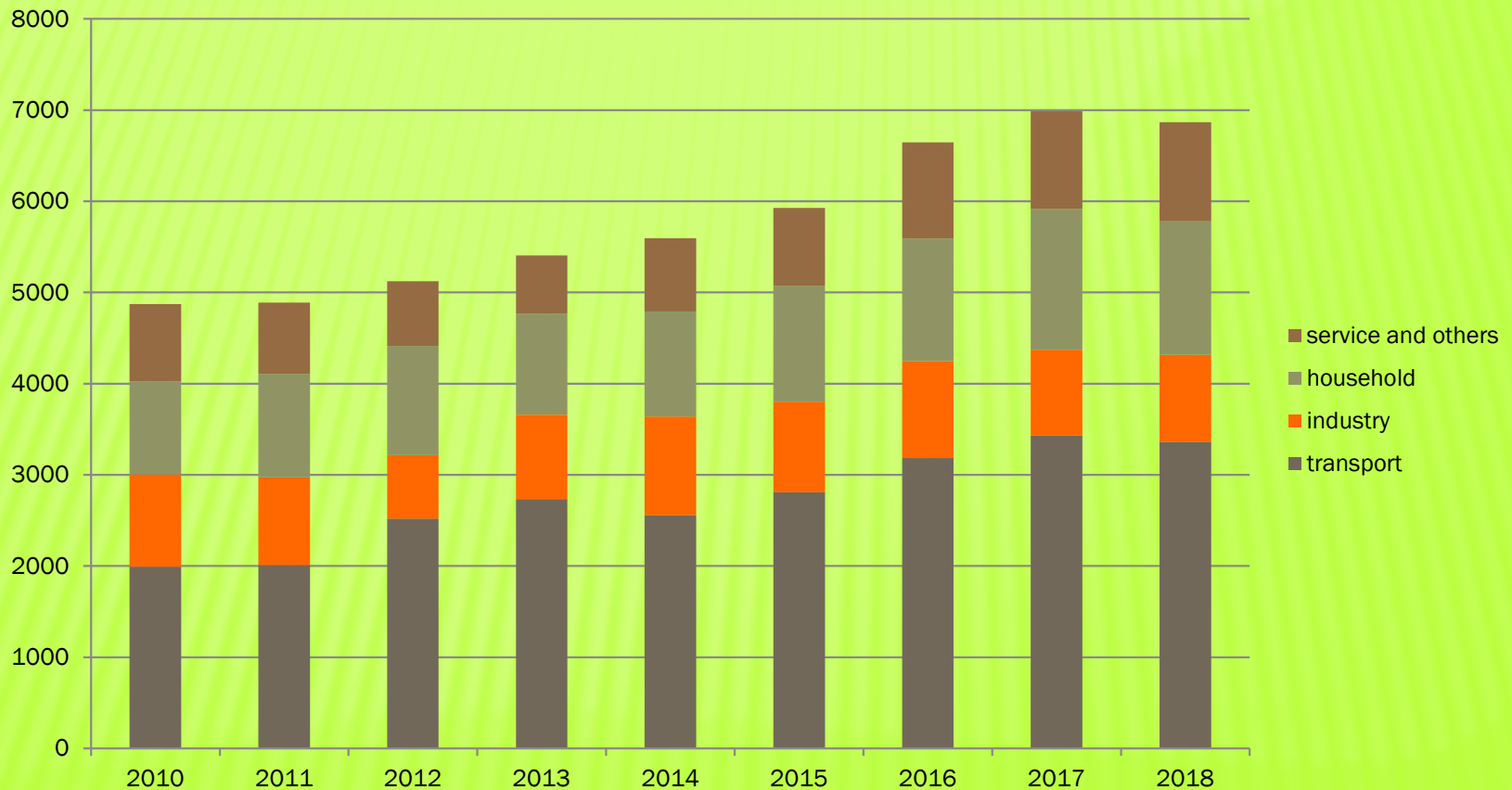
PAST ENERGY DEMAND AND SUPPLY

Primary energy supply ktoe/ energy source



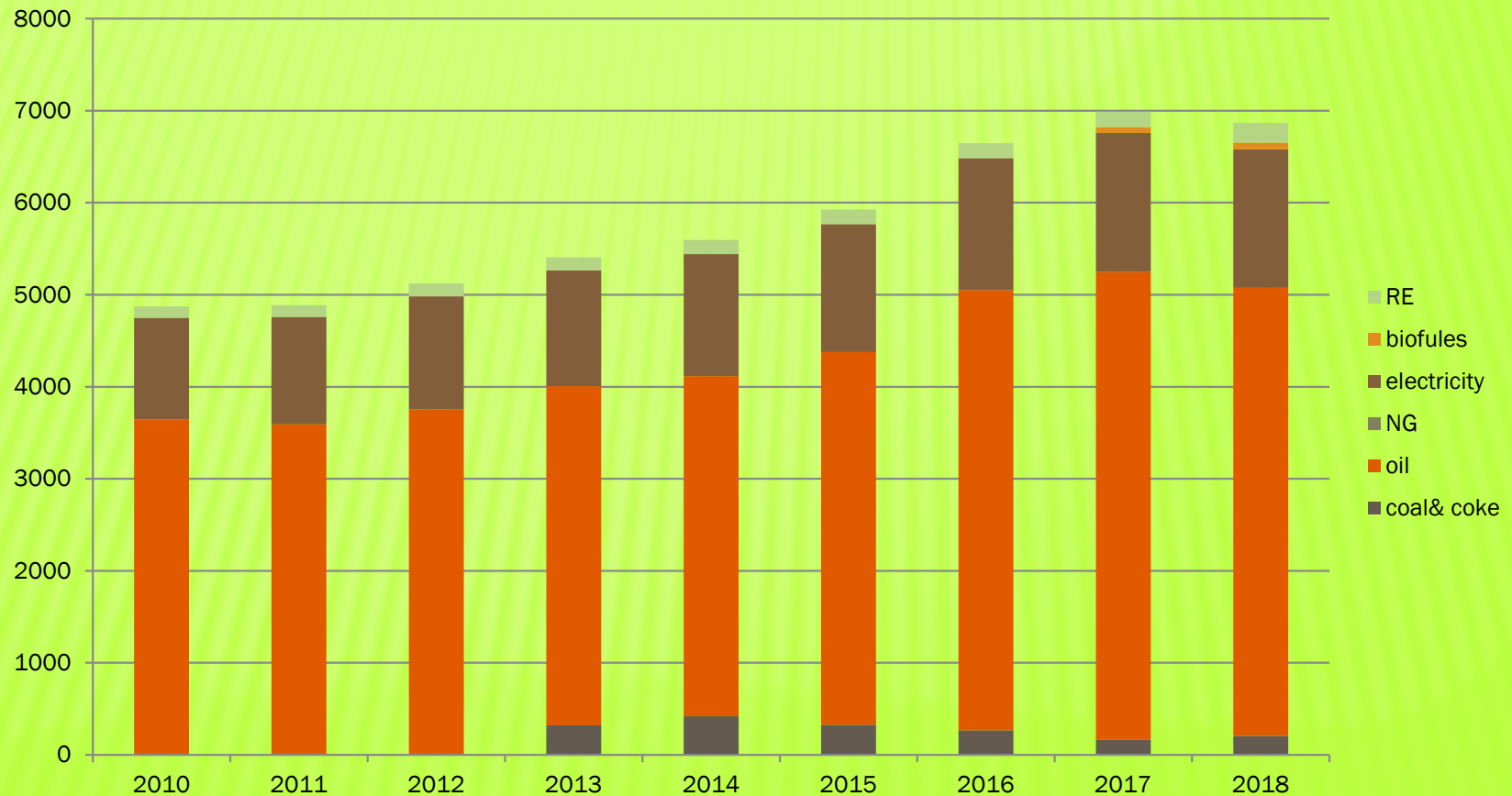
PAST ENERGY DEMAND AND SUPPLY

Final energy consumption ktoe/ sector



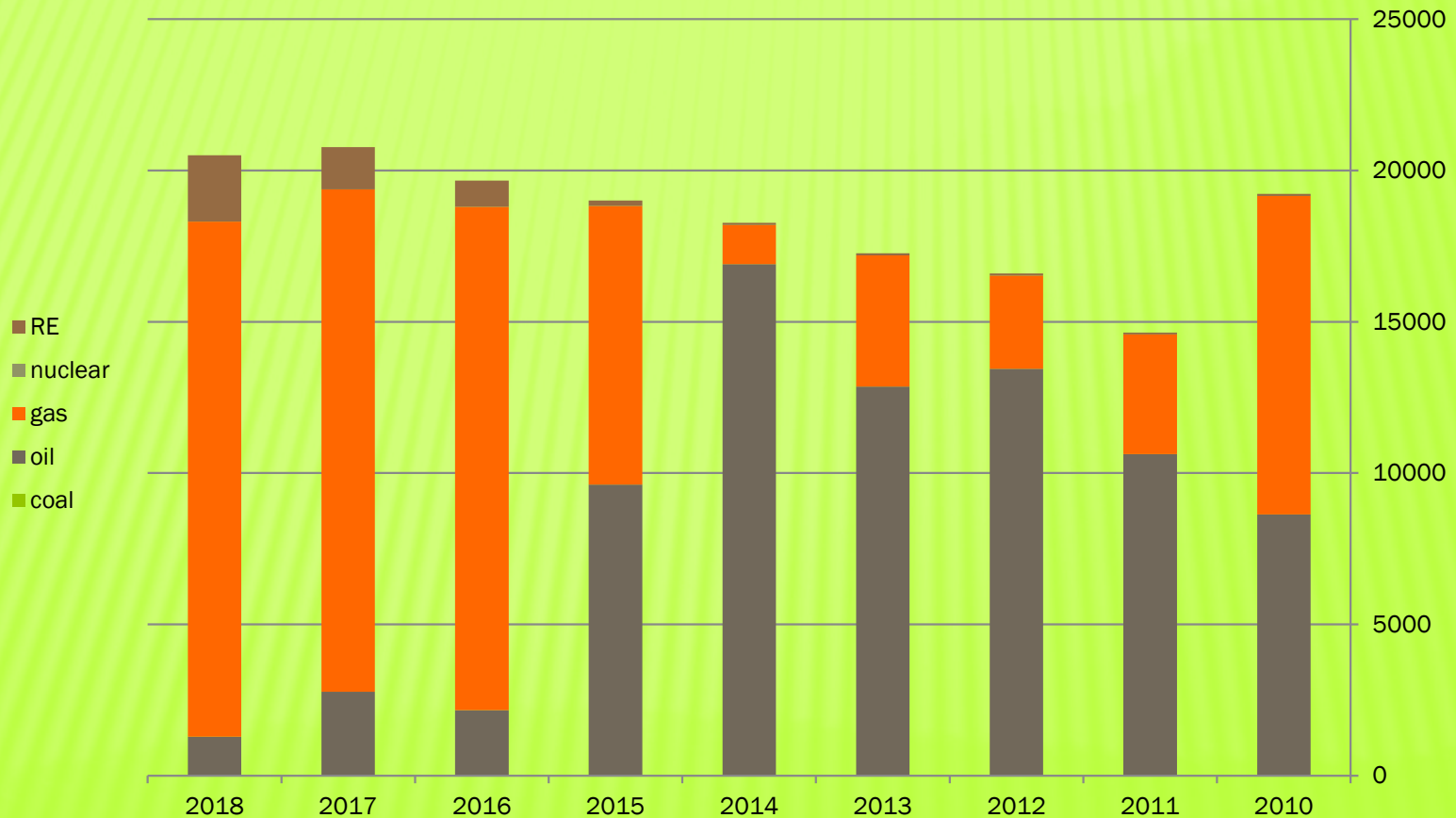
PAST ENERGY DEMAND AND SUPPLY

Final energy consumption ktoe/ energy source



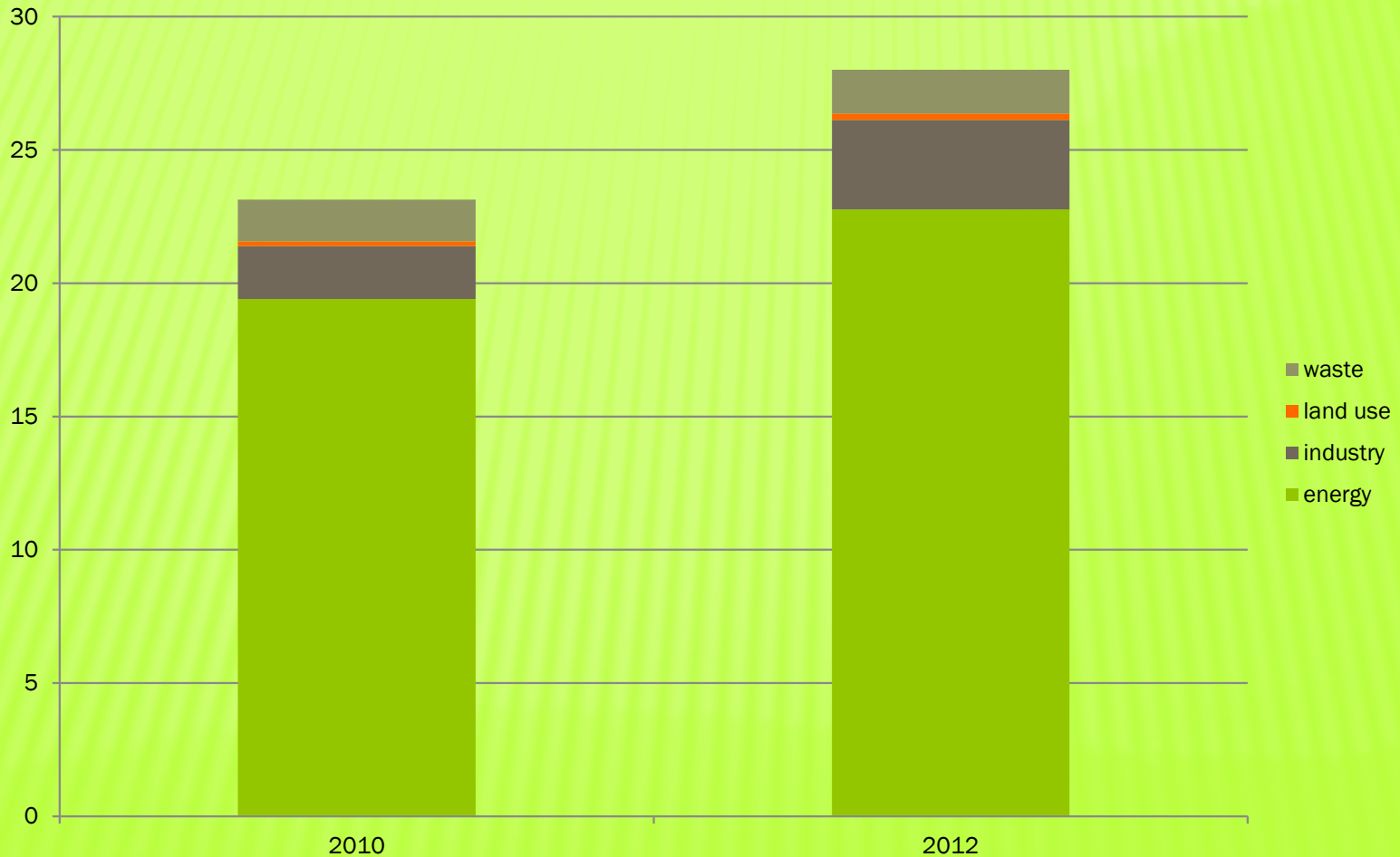
PAST ENERGY DEMAND AND SUPPLY

Electricity generation GWh/ energy source



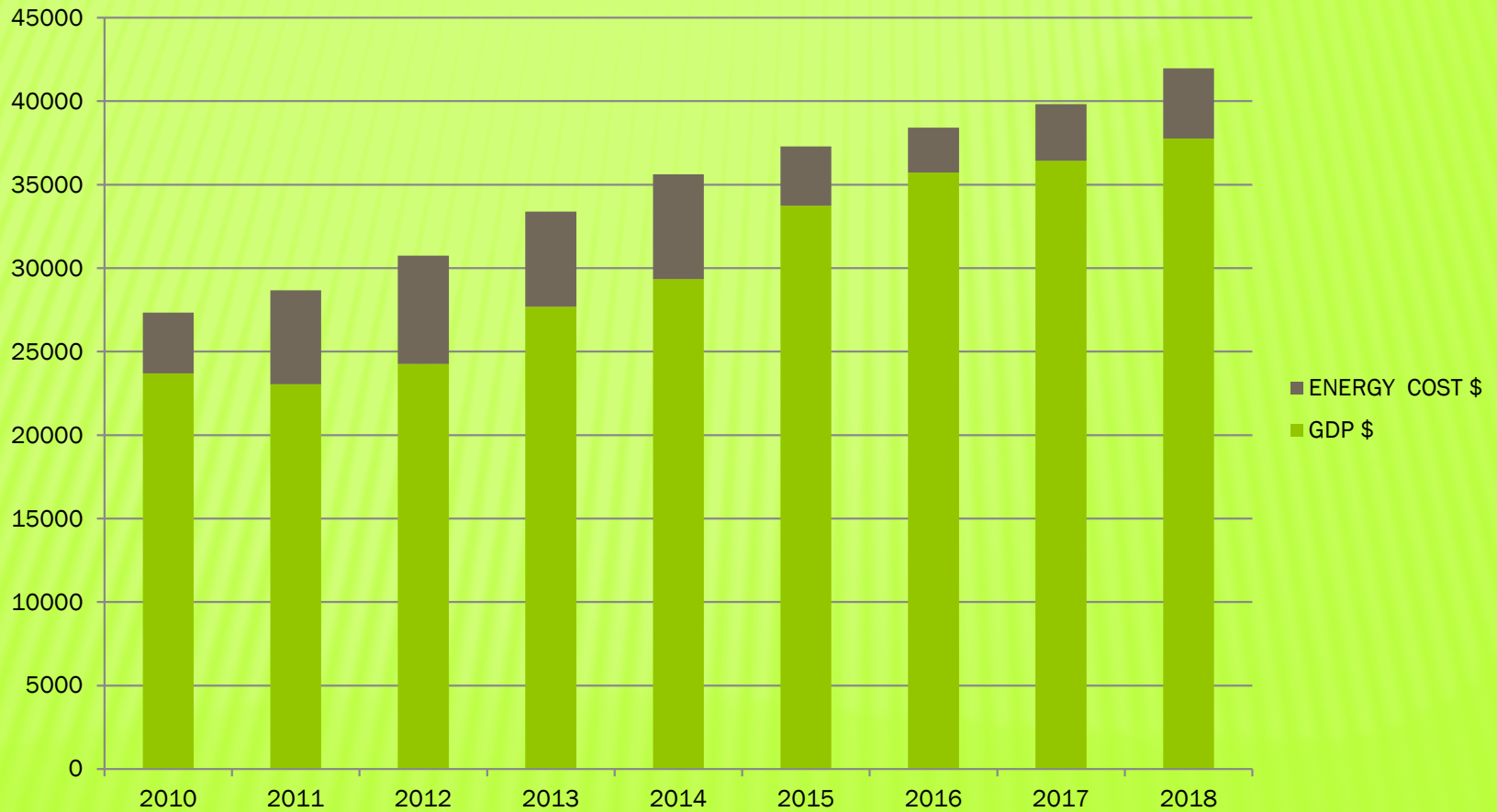
PAST ENERGY DEMAND AND SUPPLY

CO₂ emission Mt CO₂ / sector



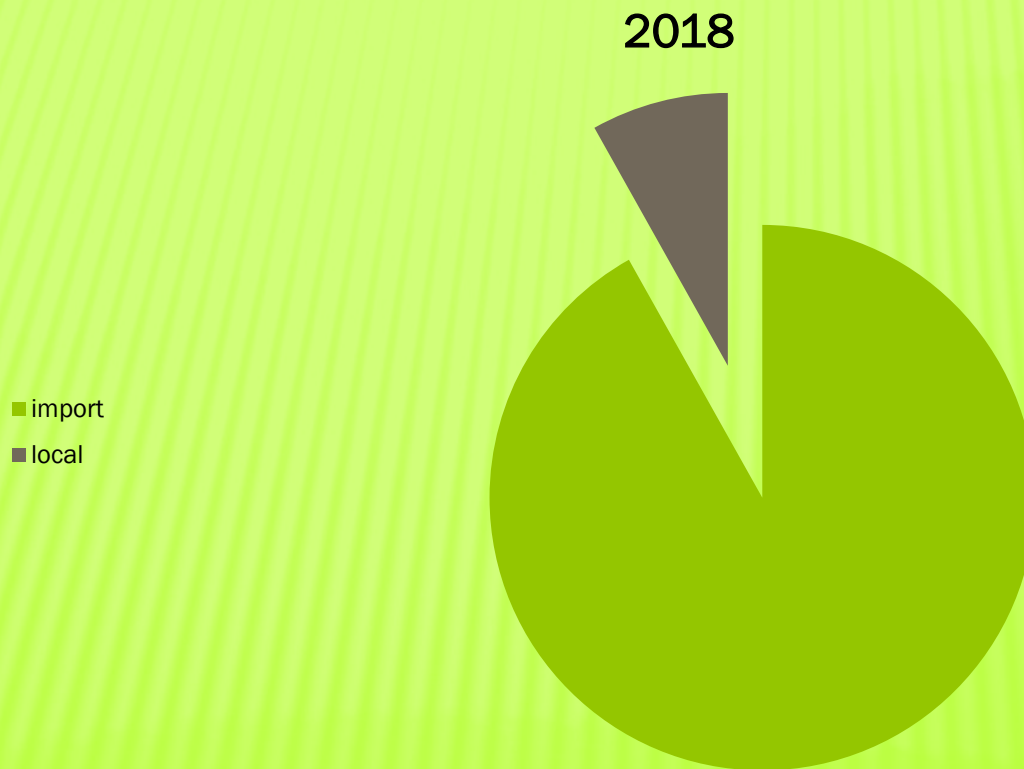
PAST ENERGY DEMAND AND SUPPLY

Energy Prices



OUTLOOK OF ENERGY DEMAND AND SUPPLY

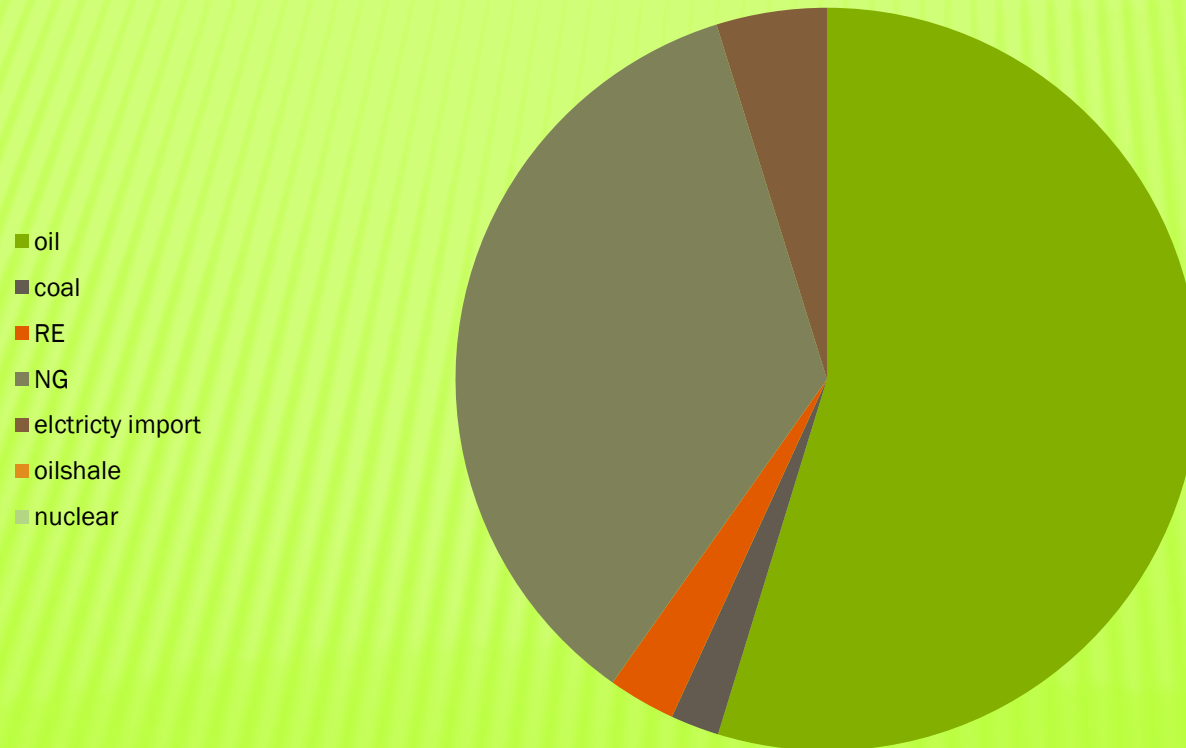
Primary energy supply ktoe/ source



OUTLOOK OF ENERGY DEMAND AND SUPPLY

Primary energy supply ktoe/ energy source

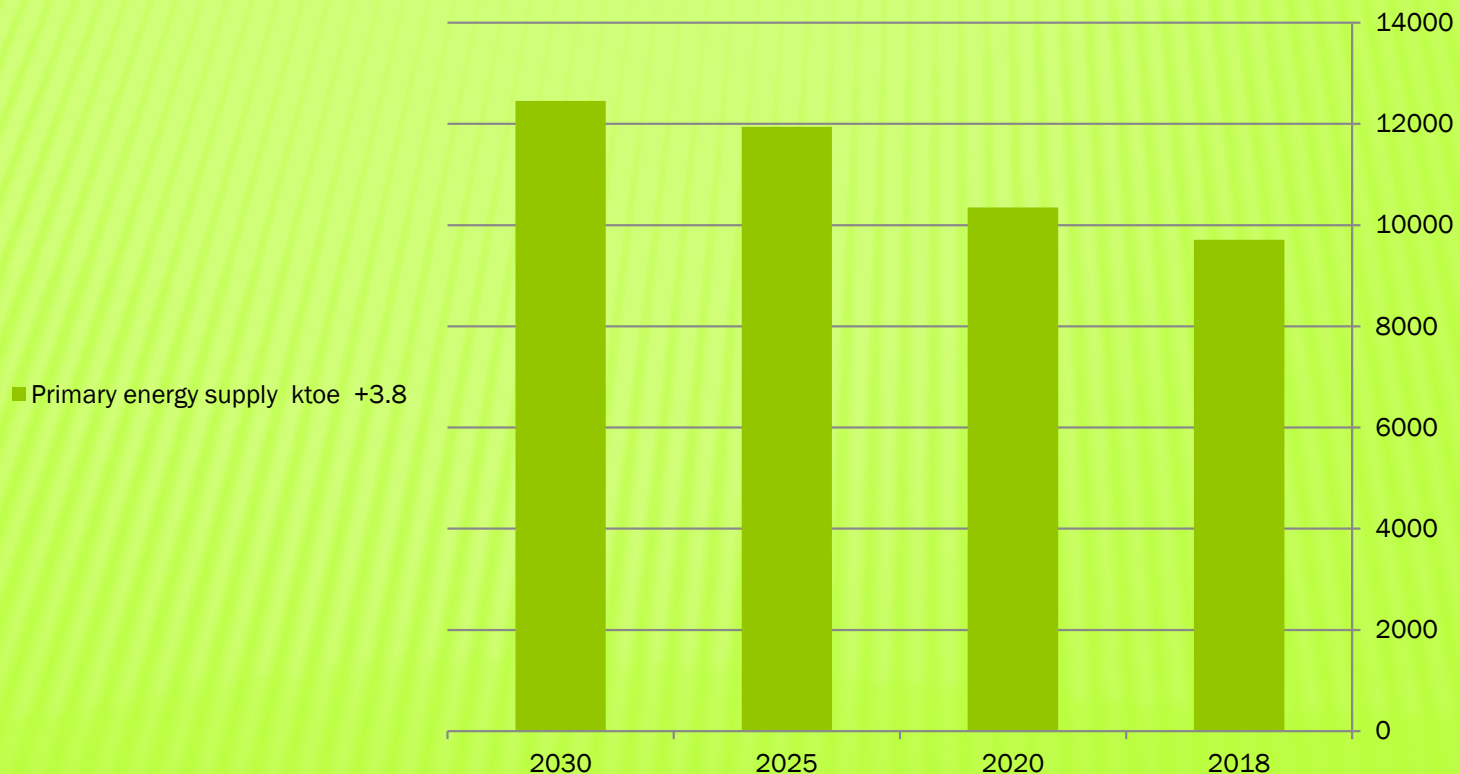
2018



OUTLOOK OF ENERGY DEMAND AND SUPPLY

Future Primary energy supply ktoe

Primary energy supply ktoe +3.8

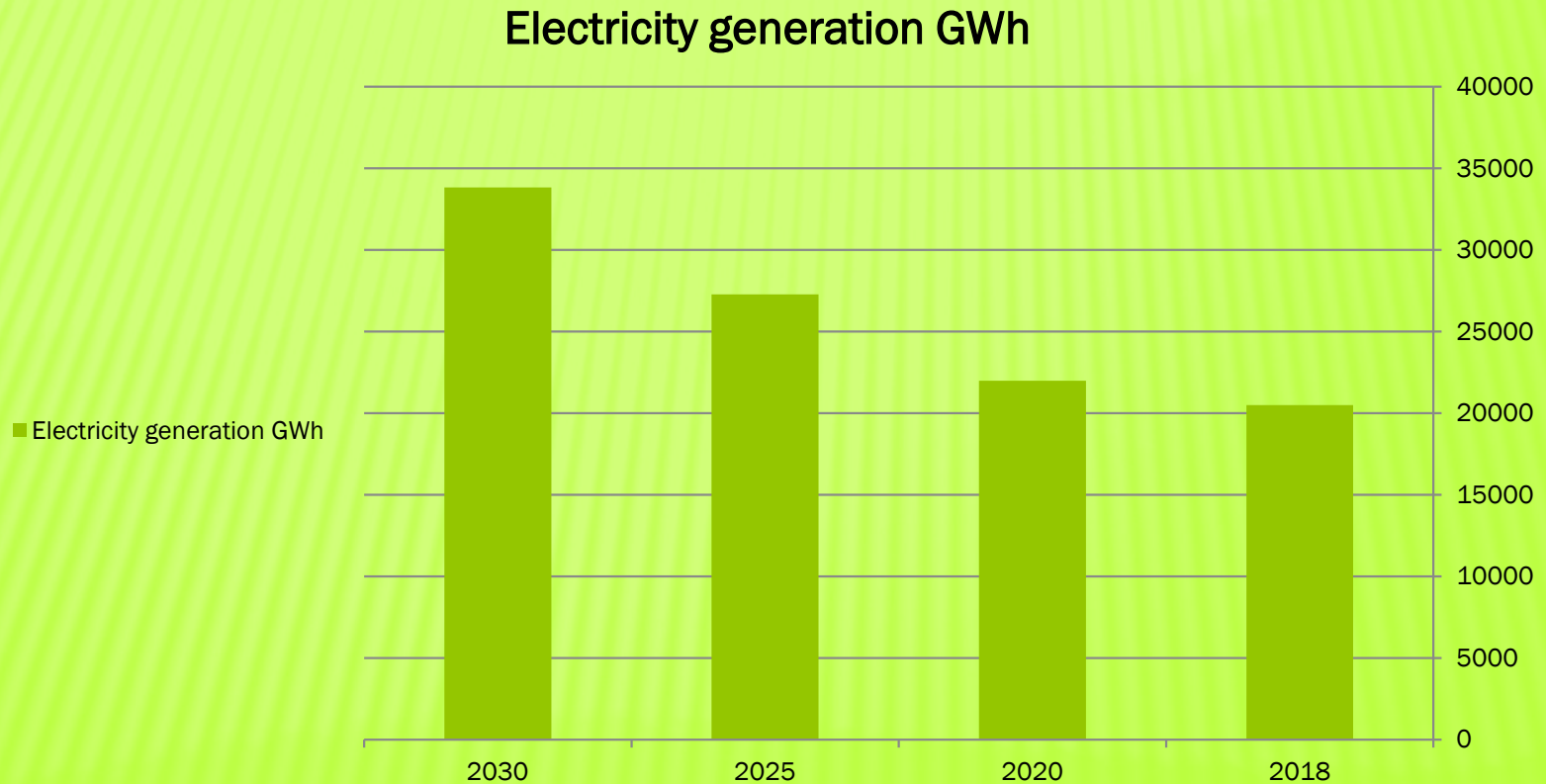


OUTLOOK OF ENERGY DEMAND AND SUPPLY (2020, 2030, 2040 AND 2050)

Final energy consumption (Unit: ktoe) by sector and
energy source

OUTLOOK OF ENERGY DEMAND AND SUPPLY (2020, 2030, 2040 AND 2050)

Future Electricity generation GWh



ENERGY-RELATED INVESTMENT FOR DOMESTIC AND OVERSEAS

MAJOR DIFFICULTIES AND BOTTLENECKS CURRENTLY FACED IN FORMULATING ENERGY POLICIES

- ✘ Contracted IPP & RE projects
- ✘ International grid connection

SUBJECTS YOU WOULD LIKE TO STUDY IN THE ORDER OF PRIORITY AND THE REASON

THANK YOU