25th Energy Community Electricity Forum

Speeding up coal phase-out

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1. Full decommissioning of all operating lignite plants by 2028, coupled with measures for a Just transition in the lignite-producing areas,
2. Increase of the share of Renewables in the country’s final share of energy consumption up to 35% by 2030,
3. Create Energy Savings of more than 38% by 2030,
4. Acceleration of the interconnection of Greece’s islands,
5. Promote electro-mobility,
6. Highlight the role of natural gas through regional cross-border infrastructure,
7. Further modernize the country’s leading energy companies.

The vision of the country is CLEAR & GREEN!
Current Situation in Greece in terms of Installed Capacity

Total Conventional Units Installed Capacity = 12 GW

Operating Natural Gas Units CCGT: Net installed capacity PPC 2.320 MW
                                            Net installed capacity IPPs 2.579 MW
Operating Lignite Units: Net installed capacity PPC 3.904 MW
Operating Large-Hydro Units: Net installed capacity PPC 3.171 MW

New Natural Gas Units licensed: Net licensed capacity 4.100 MW
New RES Units – Auctions in 2018-19: Net auctioned capacity 1.100 MW

RES Capacity to be auctioned in period 12.2019-12.2020: 1.500 MW
RES Applications Capacity to be licensed: 2.500 MW
Current Situation in Greece in terms of Electricity Production

According to the latest energy market report by IPTO, the energy production mix on the interconnected system for the period between January and April 2020 was the following:

- Lignite Production: 15%
- Gas Production: 30%
- Large Hydro Production: 4%  
  Conventional Units Production: 49%
- Renewables (System plus Distribution network): 29%
- Interconnections (net imports): 22%
Coal Phase – Out in Practice: Full Lignite Decommissioning by 2028

- Amidaio 1 & 2 546 MW
- Kardia 3,4 560 MW
- Agios Dimitrios 1,2,3,4 1.114 MW
- Megalopoli 3 255 MW
- Agios Dimitrios 5 342 MW
- Meliti 289 MW
- Megalopoli 4 256 MW
- Ptolemaida V 615 MW

National Energy Climate Plan

Change of fuel
Coal Phase – Out in Practice: Commissioning of new units by 2028

- Megalopoli 5 Upgrade from 500 MW to 811 MW
- Ptolemaida V 615 MW
- New IPP CCGT Unit 825 MW
- Mesochora Hydro Unit 160 MW
- New IPP CCGT Unit 825 MW
- New Hydro Pump Storage 700 MW
- New Hydro Unit 40 MW
- New Hydro Unit 30 MW
- New IPP CCGT Unit 825 MW

Change of fuel

National Energy Climate Plan

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Thank you for your attention

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