

Elections in Greece: What is at stake for the green transition?

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Europe Calling Webinar: Elections in Greece

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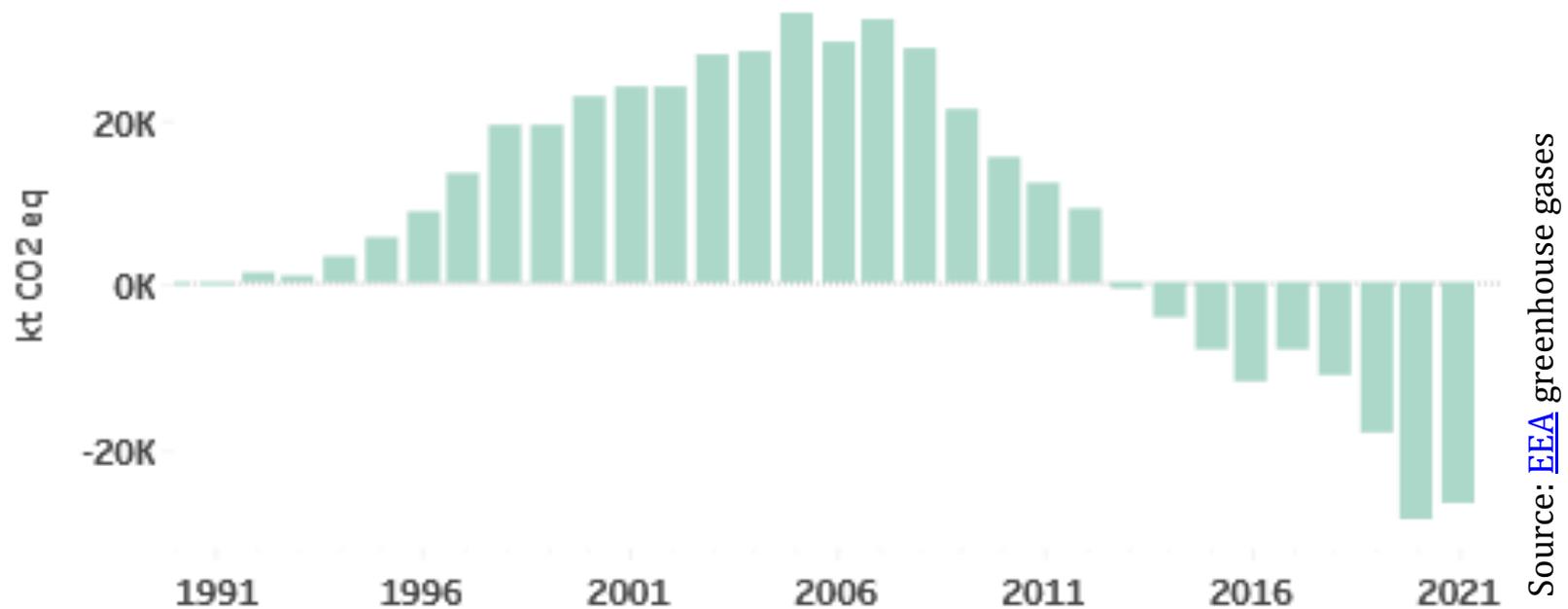
Greece's climate commitments

- Dec. 2019: Greece supported the **EU Green Deal**.
- Sept. 2019: Greece committed to **phase out lignite by 2028**.
- May 2022: Greece adopted its **first national climate law** that aims at:
 - climate neutrality by 2050
 - -55% emissions reduction by 2030 compared to 1990 levels
- Jun. 2022: The European Commission approved **Greece's Just Transition Plans and Programme**.
- ✓ **Greece's climate targets are in line with the EU targets.**

Emissions trends for Greece

Change since 1990 in emissions in Greece

Hover over the bars to see absolute difference in emissions

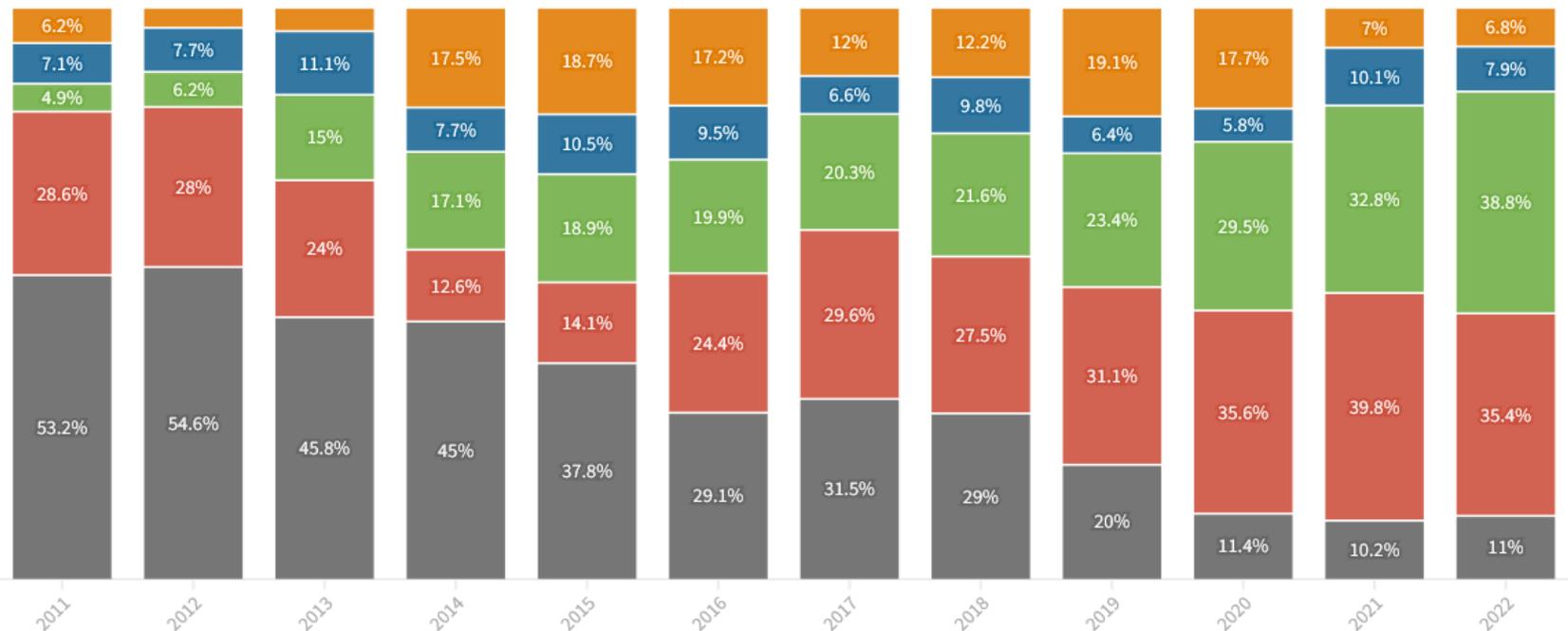


- Until mid-2000s greenhouse gas emissions were **rising**.
- In 2021: **-29%** compared to 1990.
- Almost the same effort needed, in **one third** of the time.

The transition of the electricity mix in Greece

Electricity mix shares in Greece per year
per year

■ Lignite ■ Fossil Gas ■ Renewables ■ Large Hydro ■ Net Imports



Source: ADMIE

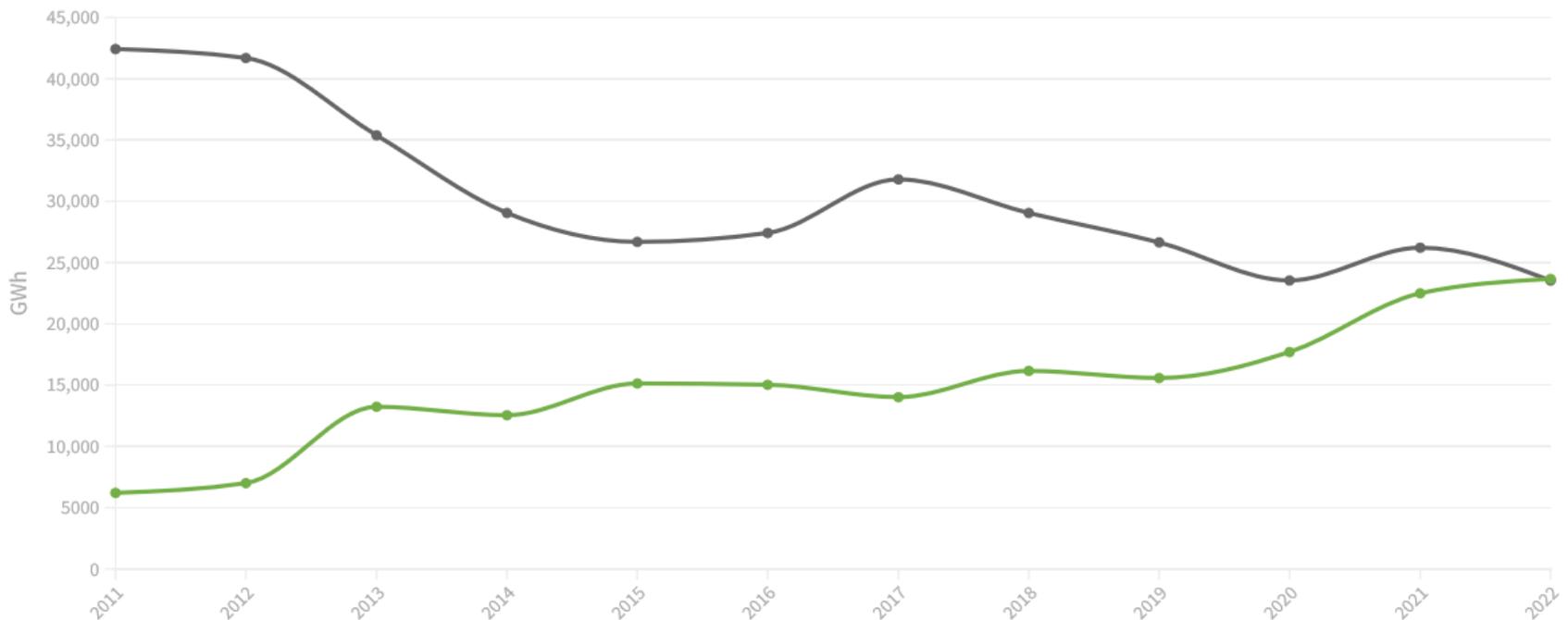
- Electricity production from lignite is declining in Greece. In 2022 stayed at the same low levels as in 2020.
- In 2022: renewables became the number 1 source of electricity.

Clean energy surpasses fossil fuels for the first time!

Fossil Fuels vs Clean Energy

Per year for Greece's electricity grid

■ Fossil Fuels ■ Renewables + Large Hydro

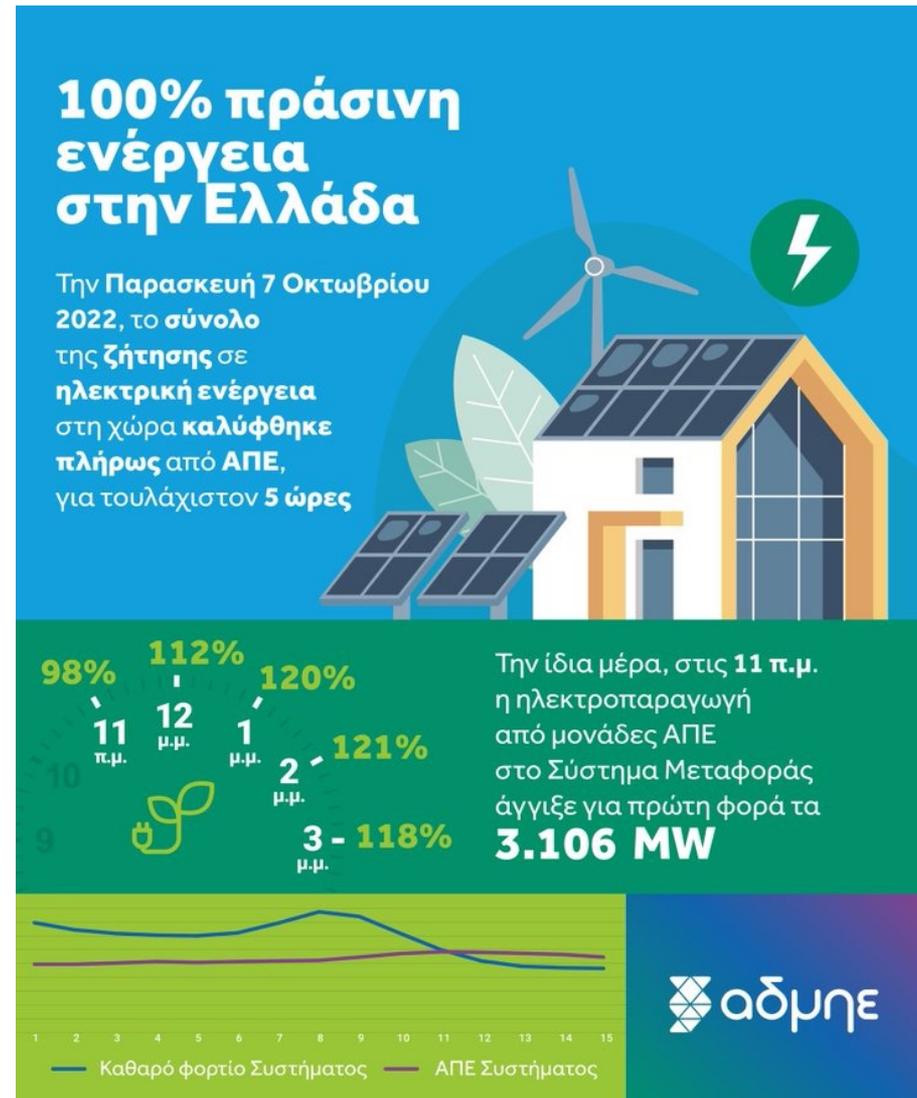


Source: ADMIE

- Clean energy (renewables + large hydro) surpassed fossil fuels (gas + lignite) for the 1st time in 2022 covering **47%** of demand!

ADMIE (Greek IPTO):

*“On Friday October 7, 2022, at least **100%** of the electricity demand in Greece was covered by **renewables** for at least **5 consecutive hours**”*





Challenges ahead

Threats in response to the energy crisis and beyond:

- Lignite come-back.
- Investments in fossil gas infrastructure & promotion of hydrocarbon exploration.

What is needed:

- **Commitment for fossil free electricity sector by 2035 with:**
 - Renewable energy deployment in proper locations in line with nature targets
 - Investment in grids
 - Energy storage
 - Demand side management
- + Greater focus on **industry, transport and building sectors.**
- + New focus on **nature-based solutions.**



Thank you



<https://thegreentank.gr/en>

