

**100% Renewables by 2030 is
necessary, possible and economic**

UNECE 5th Oct. 2021

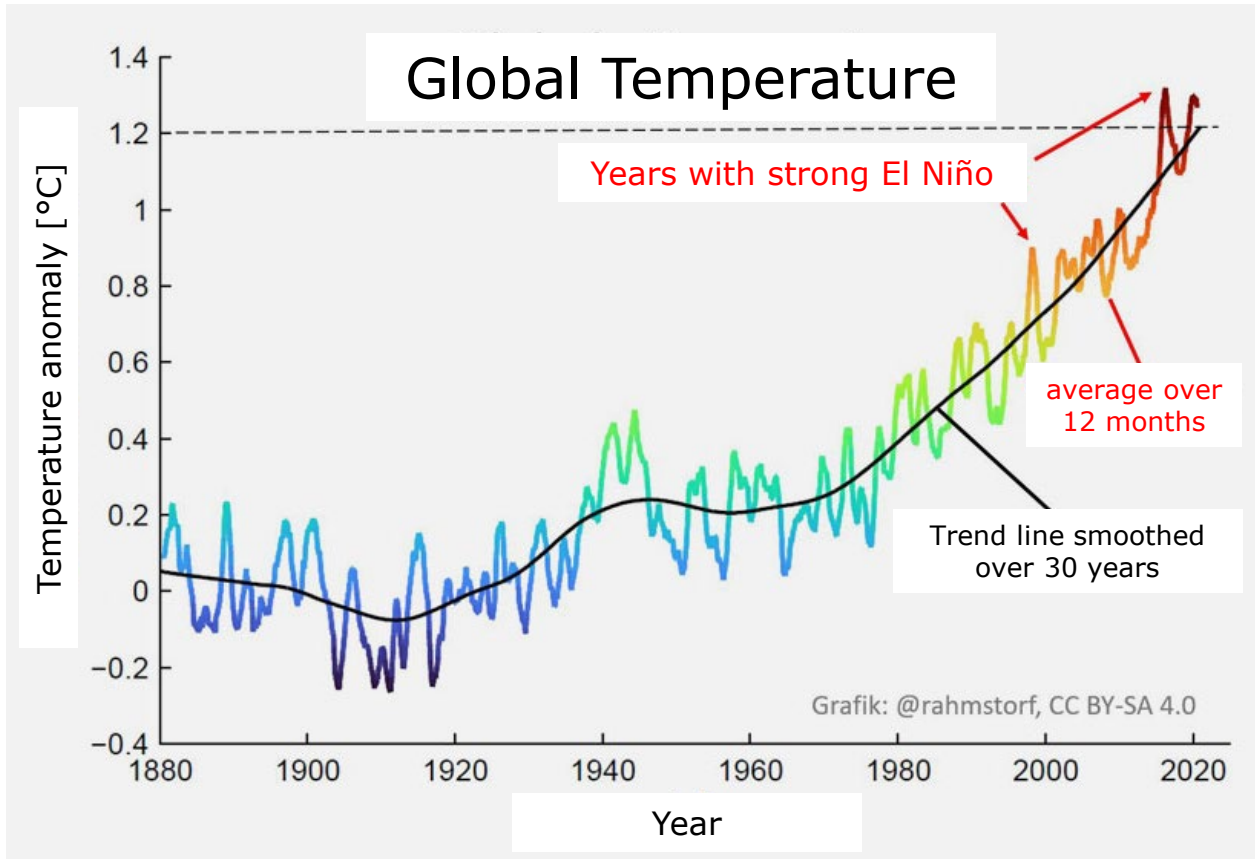
Hans-Josef Fell

Member German Parliament (1998 -2013)

ENERGYWATCHGROUP



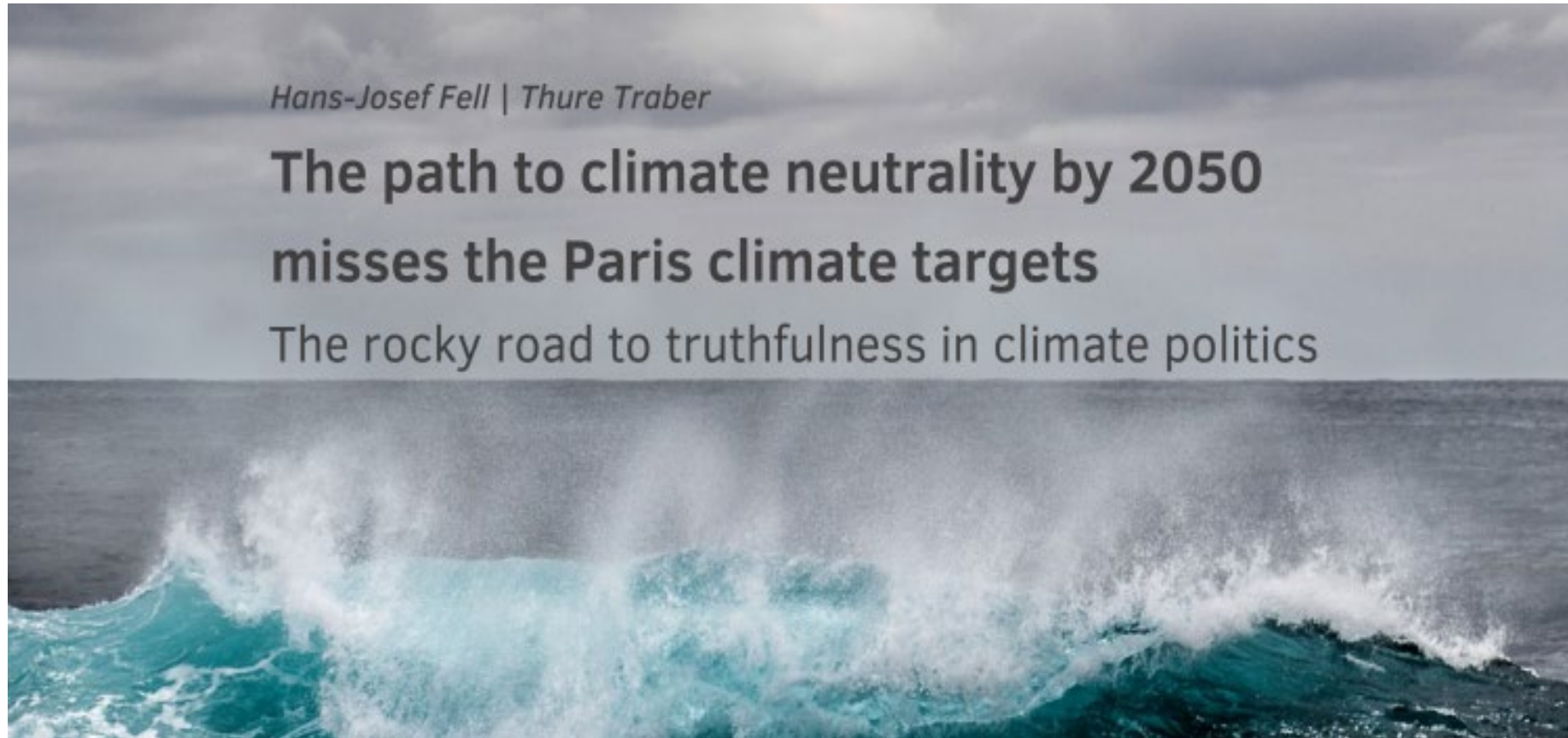
NASA Report January 2021: Paris goal of 1,5° will be exceeded latest in 2035



- Decade 2010–2019 was hottest since weather report
- Today, global temperature is 1,2 °C over preindustrial level
- Temperature growth was 0,18 °C in 2010 -2020
- In this decade, the growth will increase

Zero emission world until 2030 is crucial

Climate neutralität by 2050 leads direct to Hot House Earth



Joint Declaration of the Global 100% RE Strategy Group

- With political will a transformation of global energy sector by 2030-2035 appears to be possible.
- Solar & wind + flexibility will be the key pillars of energy supply.
- A 100%RE system will benefit the world economy.



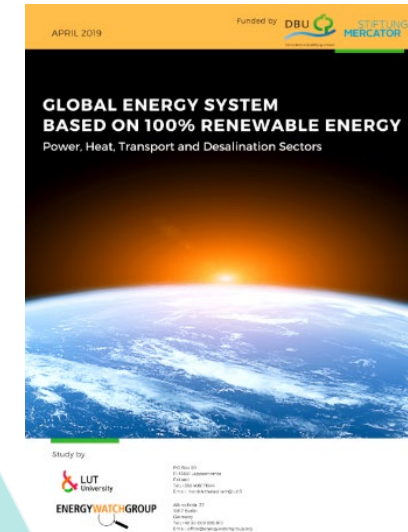
global100restrategygroup.org

Study by EWG & LUT Shows:

The energy transition is not a question of technical feasibility or economic viability, but one of political will.

100% renewable energy worldwide is more cost effective than the current energy system and leads to zero emissions before 2050.

Largely domestic energy systems based on 100% renewables will create energy independence and support millions of local jobs in the energy sector.



100% Renewable Energy in Germany until 2030

The energy system of the future.

Photo by gonz-ddl on Unsplash

100 %

renewable energies for Germany by 2030

Climate protection – Security of supply – Economic efficiency

Executive Summary

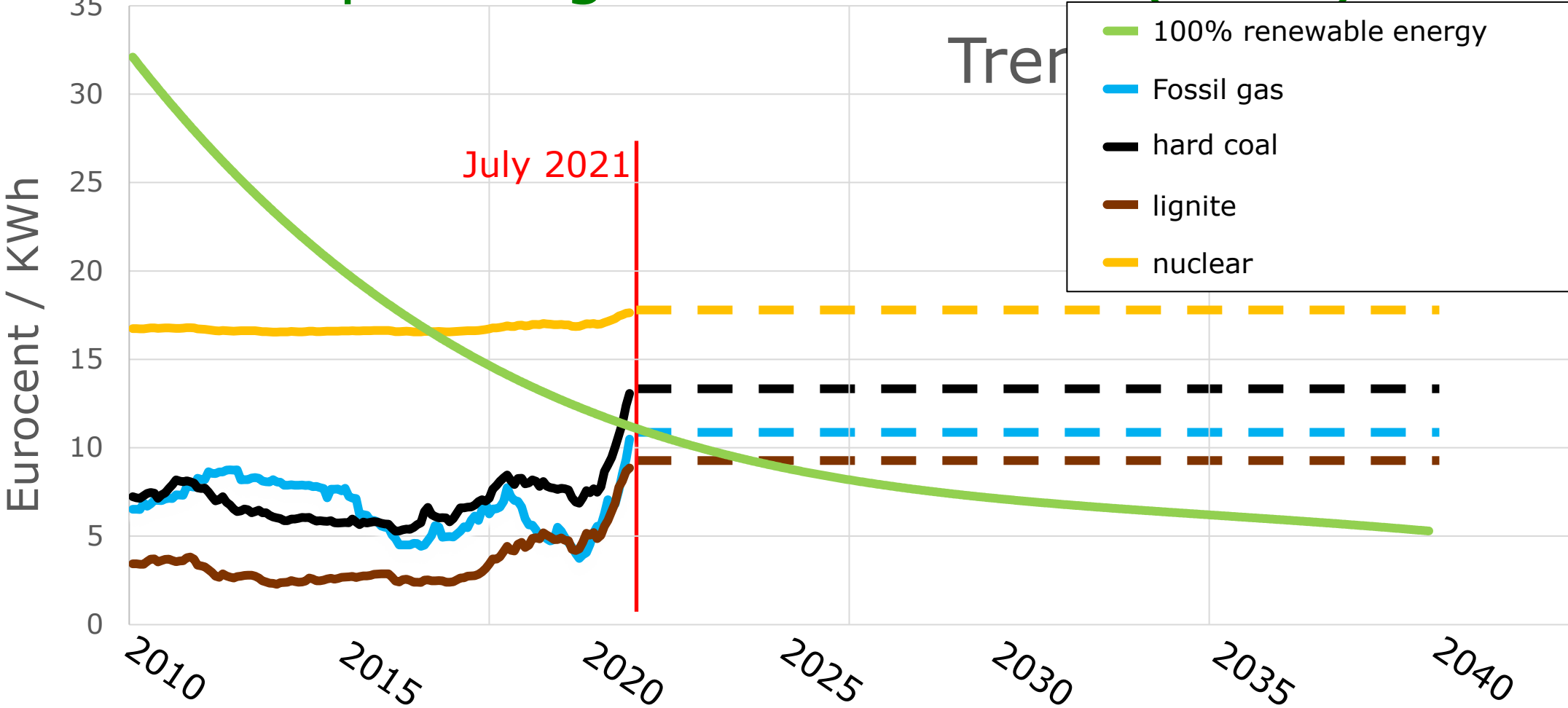
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First comprehensive Energy Scenario, that shows Germany's pathway to 100% renewables until 2030

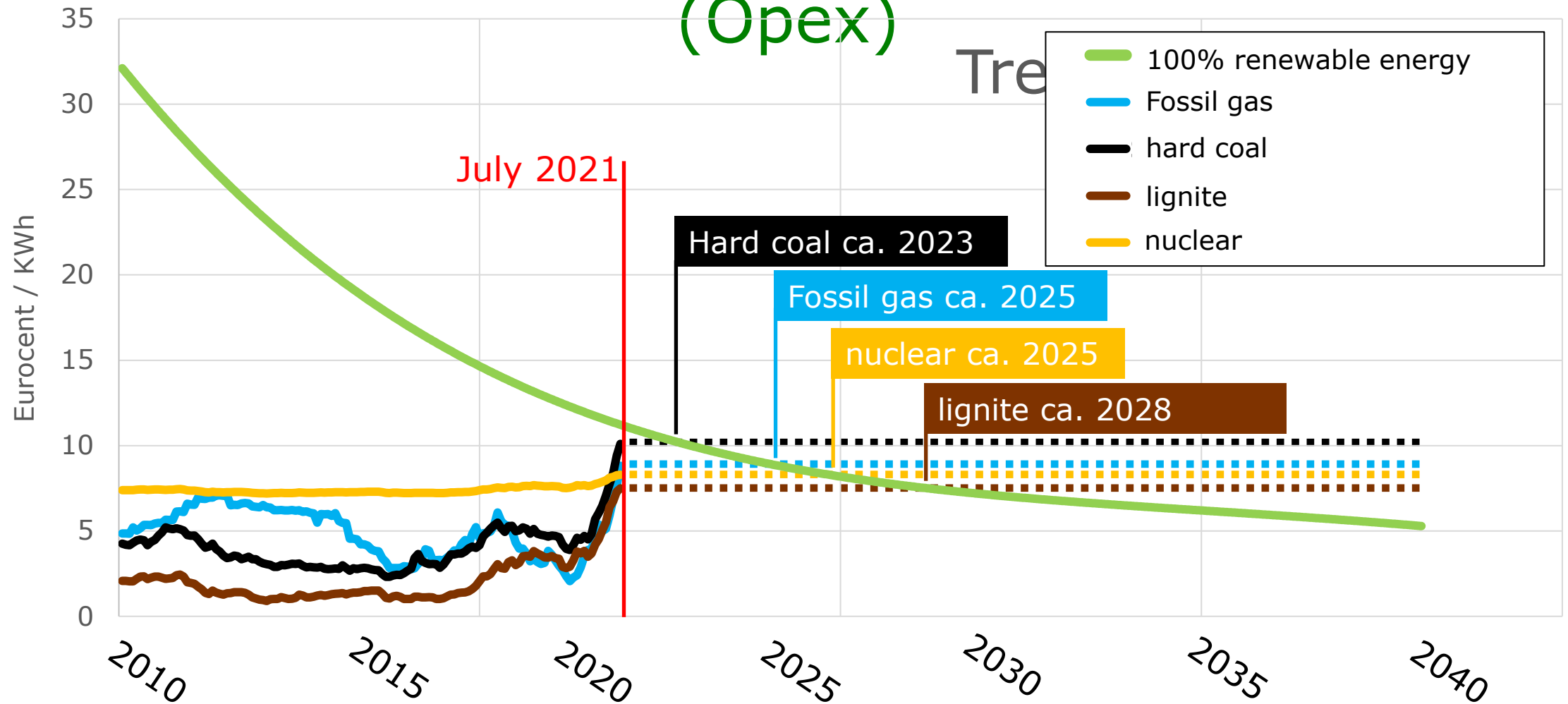
- ✓ Including all energy sectors electricity, heating, mobility, industry
- ✓ technological & economic realizable
- ✓ covering energy demand every hour, throughout the whole year
- ✓ PV growth: 86 GW per year

Reliable 100% Renewables now cheaper than new conventional power generation costs (LCoE)

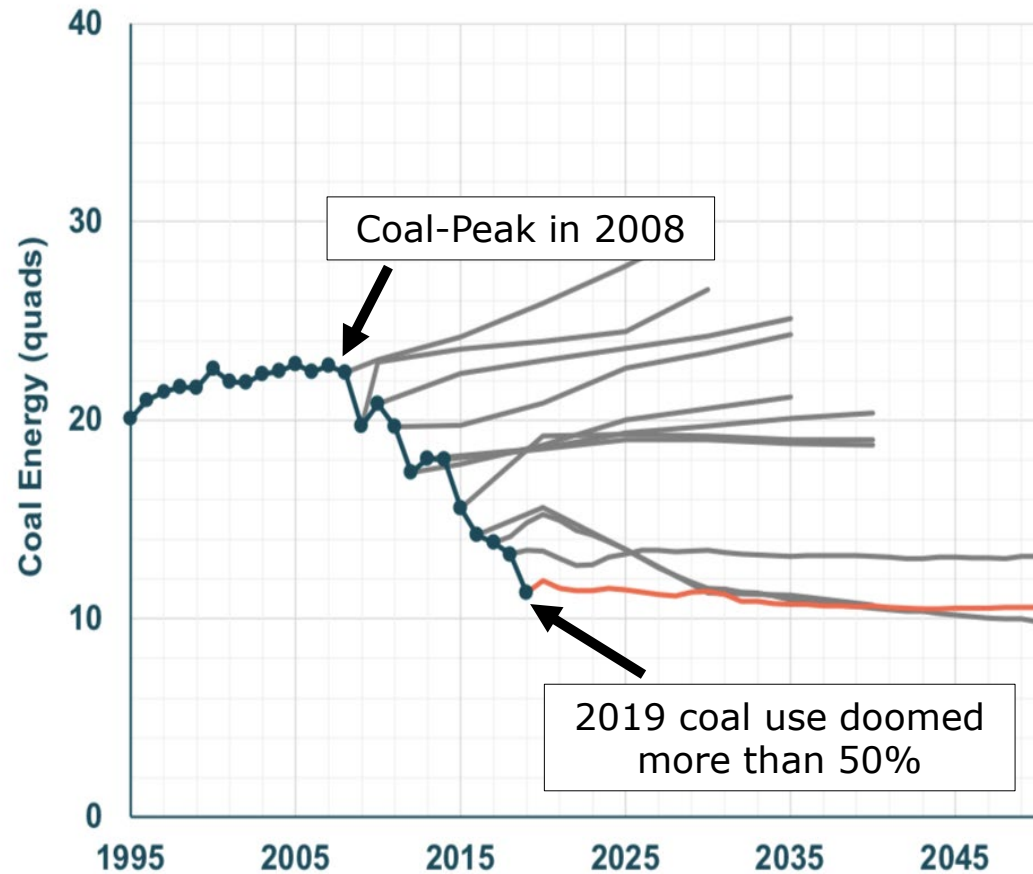


Source: EWG 2021

Reliable 100% renewables around 2025 cheaper than existing conventional energy power (Opex)



The doom of coal in USA



Source: US EIA Annual Energy Outlook series, 1995-2020.¹⁴

- The Prognoses of US-Energy-Information-Authority (EIA) do not see the doom, but forecasted every year an increase or stagnation.
- The doom of coal will accelerate next years

**Thank you very much for
your attention**

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www.energywatchgroup.org

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