Wind and solar generate one tenth of global electricity

% of electricity production from wind and solar; for Jan-Jun 2020 where available else 2019*

Jan-Jun 2020 data used for: China, United States, EU27, India, Russia, Japan, Canada, Brazil, South Korea, United Kingdom, Turkey, Australia, Chinese Taipei, Vietnam, Norway, Argentina, Chile, Bangladesh, Colombia and Peru.
Wind and solar share of global electricity doubled since 2015

Wind and solar as % of total generation

World
China
United States
European Union
India
Russia
Japan
Canada
Brazil
South Korea
United Kingdom
Turkey
Australia
Vietnam
Renewables beat fossil fuels
EU-27 electricity generation

- Renewables
- Fossil fuels
- Wind and solar
- Coal
Demand picks up across the EU

% change vs. same month last year

EU-27  Slovakia  Netherlands  Denmark  Ireland  Portugal  Sweden  Lithuania

Poland  France  Belgium  Spain  Latvia  Italy  Germany

Figure includes EU-27, and the 14 member states showing the highest increases in demand in August.
Wind and solar remain a minor part of the electricity mix in 2030 across eastern Europe

Wind and solar's combined share of electricity consumption [%]

2018  
2030

Source: Ember analysis of the National Energy & Climate Plans (NECPs), Ember calculations. The 19 countries displayed account for ~97% of EU-27 consumption.
Germany regains title as top EU coal generator

Coal generation (hard coal and lignite combined)

- Poland
- Germany
- Remaining 25 countries of EU-27
Europe's coal generation continues to collapse

EU-27 coal generation (hard coal + lignite)

H1-2019  H1-2020
Four years of coal phase-outs in Europe

In 2015, the UK was the first country in the world to announce an explicit coal phase-out. Since then, a further 14 European countries have announced that they will phase-out coal generation.

These countries are on a journey. One country, Belgium, has already phased out coal, but for most countries this journey will take a decade, or longer.
Coal consumption
Gross Inland Consumption of Solid Fuels (from table 28)
2015 figures from EUROSTAT, added by Ember

![Graph showing coal consumption](image-url)
There is a major reduction in coal-fired generation and related CO₂ emissions in the NZE2050, with the use of the least efficient coal power plants falling to zero by 2030.