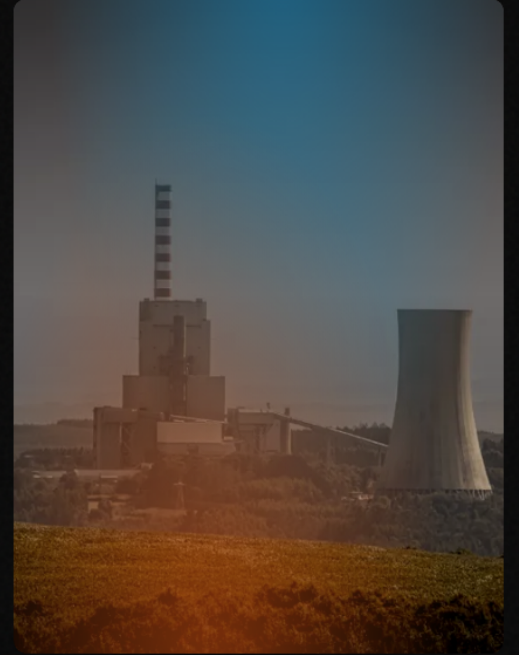
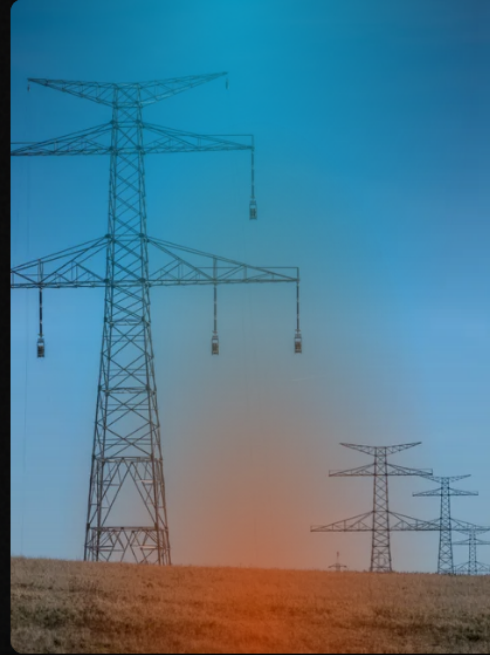
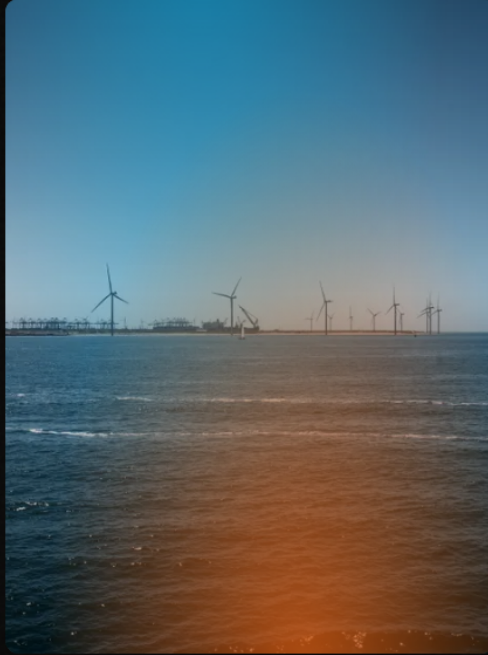
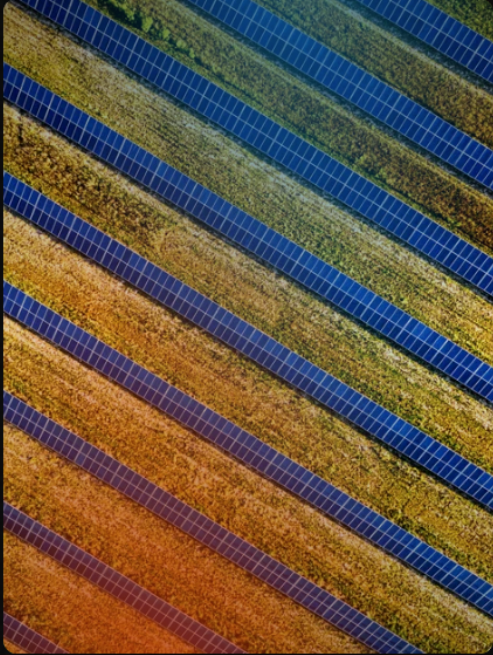


Grid Mix Report

2015 TO 2024



How the world's electricity mix changed in nine years

DATA: OUR WORLD IN
DATA ENERGY DATASET



Made with MagicSlides



WORLD, SHARE OF ELECTRICITY

Renewables made 22.97% of the world's electricity in 2015. By 2024 that share was 31.94%.

Coal is still the largest single source, but its share slipped from 38.68% to 34.07% over the same period.

31.9%

RENEWABLES SHARE, 2024

34.1%

COAL SHARE, 2024

+9.0 pts

RENEWABLES GAIN SINCE 2015



Made with MagicSlides

SOLAR

World solar generation went from 256 TWh in 2015 to 2,143 TWh in 2024. That is 8.4 times more in nine years, and solar's share rose from 1.07% to 6.93%.



Wind and solar went from **4.5%** to **15.0%** of world electricity

Wind

3.46% in 2015, 8.11% in 2024.

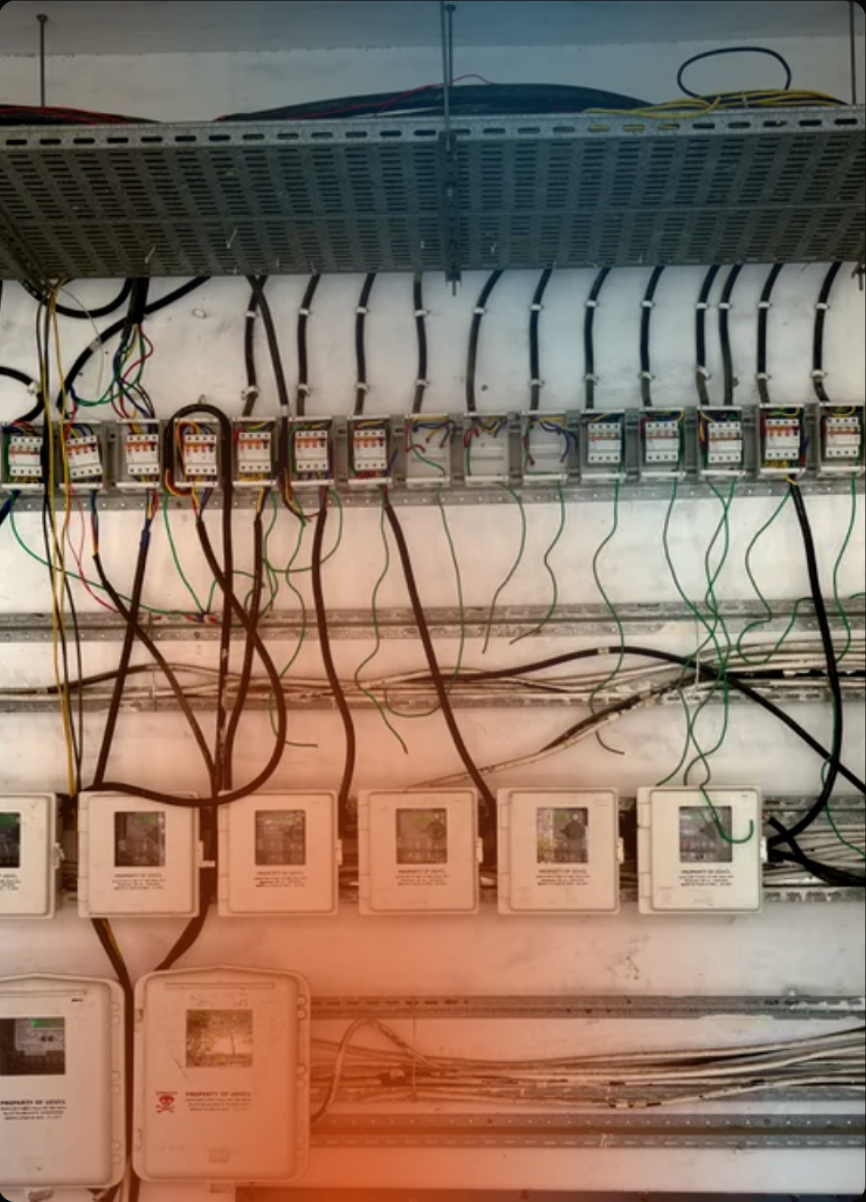
Solar

1.07% in 2015, 6.93% in 2024.

Other renewables

Mostly hydro, which grew slowly and now makes up roughly half of the renewables share.





Country view, renewables share of electricity

01

Germany: 29.4% to 58.6%

Doubled in nine years. Wind alone is 28.5% of German power.

02

United States: 13.6% to 24.1%

Coal fell from 33.1% to 14.9% of US electricity.

03

China: 24.0% to 33.7%

Solar output went from 39 TWh to 839 TWh; coal share fell to 57.8%.

58.6%

GERMANY, 2024

33.7%

CHINA, 2024

19.8%



Made with MagicSlides

Renewables grew fast, but **coal still makes a third** of the world's power

Fastest mover

Solar, with 8.4x more output since 2015.

Slowest mover

India's coal share only moved from 76.8% to 74.5%, even as solar hit 143 TWh.

Method

owid-energy-data.csv, filtered to World, Germany, US, China and India, years 2015 and 2024.



Made with MagicSlides