

# World wind power generation over the years

In the past years, wind energy installations have been growing rapidly. In 2024, the total wind power capacity installed worldwide surpassed 1.1 terawatts, growing by more than 100...

In Q4 2023, wind power exceeded coal in European electricity generation for the first time, generating 193 TWh compared to coal's 184 TWh. Despite wind installation challenges, wind generation rose by ...

Wind power has grown rapidly since 2000, driven by R& D, supportive policies and falling costs. Global installed wind generation capacity - both onshore and offshore - has increased by a factor of 98 in ...

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...

Also includes information on each country's actual yearly production of wind-generated electricity, as well as the amount of electricity generated in offshore wind farms as compared on onshore farms.

The Wind Power is a comprehensive database of detailed raw statistics on the rapidly growing sphere of wind energy and its supporting markets. It contains data about wind farms, turbines, manufacturers, ...

The Evolution of Wind Power is an interactive map reveals the cumulative installed capacity per country, continent and the world between 1981-2018. The map is the result of a ...

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China has invested heavily in wind energy and is now the world's largest wind electricity generator. In 1990, 16 countries generated a total of about 3.6 billion kWh of wind electricity. In 2021, ...

The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts (MW) or more.

These countries demonstrate that the world as a whole can achieve a 40-50% share of wind power in total electricity generation, as outlined by the WWEA in a long-term scenario.



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