

Proportion of wind power in total power generation



Overview

Globally, the share of wind and solar in power generation rose by 1.5 pp in 2024 to 15% (nearly +13 pp since 2010). This dataset contains yearly electricity generation, capacity, emissions, imports and demand data for European countries. This is the citation of the original data obtained from the source, prior to any processing or adaptation by Our. In 2024, global renewable installation reached new records, with over 450 GW of new solar capacity and over 110 GW of new wind capacity. Renewable installations were also. Bonn (WWEA) – 2025 marked a watershed moment for the global wind power sector. According to preliminary statistics released by the World Wind Energy Association (WWEA), the world added 169'014 Megawatts (MW) of new wind capacity – a 35% increase over 2024 – bringing total global installations to. This publication presents renewable energy statistics for the last decade (2015-2024). Wind power was the strongest net electricity producer in Germany, although production was 3.



Article Content

Electricity production by source, World

Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) – Learn more about this data Note: "Other renewables" include geothermal, wave, and tidal.

Wind Energy: 2026 Verified Stats

Global installed wind capacity hit 802.3 GW in 2022, with offshore growing by 30% to 54.7 GW and wind supplying 7.4% of global electricity. Capacity, costs, and generation totals add up

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Wind power by country

In 2017, a total of 15,680 MW of wind power was installed, representing 55% of all new power capacity, and the wind power generated 336 TWh of electricity, enough to supply 11.6% of the EU's

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Renewable energy statistics 2025

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for

Wind and solar generated a record 17% of U.S. electricity in 2025

Over the past 20 years, electricity from wind power and utility-scale solar power has increased to 17% of generation in the United States compared to less than 1% in 2005.

Wind power generation, 2025

Annual electricity generation from wind is measured in terawatt-hours (TWh) per year. This includes both onshore and offshore wind sources.

Share of electricity production from wind, 2025

About this data Share of electricity generated by wind power Measured as a percentage of total electricity produced in the country or region.

IEA – International Energy Agency

The International Energy Agency works with countries around the world to shape energy policies for a secure and sustainable future.

Wind Power Facts and Information | ACP | ACP

Utility-scale wind energy is the largest source of renewable electricity generation in the U.S. Learn more wind energy facts and statistics.

Wind Energy: Global Electricity Generation 2024

Wind generates 8.7% of global electricity as a clean energy source. Compare Wind power generation by country with 2024 data and track the low-carbon transition.

Wind power by country

Wind power by country Global map of wind speed at 100 m above surface level The worldwide total cumulative installed electricity generation capacity from wind power has increased rapidly since the

Wind Energy Factsheet

Wind Resources and Potential Approximately 2% of solar energy striking Earth's surface is converted into kinetic energy in wind.¹ Wind turbines convert this

Wind and solar generated a record 17% of U.S. electricity in 2025

Combining utility-scale and small-scale solar generation in 2025 increases the share of wind and solar to 19% of total net generation. Wind and solar are considered intermittent electricity

Wind & Solar Share in Electricity Production Data | Enerdata

Weight of solar and wind in electricity production data. Data for solar and wind renewable energies in electricity production available in a map and excel file by country level.

Global Statistics

Assuming that, as already achieved in some countries, wind power may have a share of 40% in the overall electricity generation. This will require an overall installed capacity of 10'000'000

Share of electricity production by source, World

Solar (photovoltaic) panels cumulative capacity Solar and wind power generation Solar energy generation by region Solar energy generation vs. capacity Solar photovoltaic module prices vs.

Share of primary energy consumption from wind, 2024

Share of primary energy consumption that comes from wind power Using the substitution method Measured as a percentage of the total primary energy, using the substitution method.

Wind power

Wind power is the use of wind energy to generate useful work. Historically, wind power was used by sails, windmills and windpumps, but today it is mostly used

Electricity Mix

Solar, wind, and other renewable technologies are growing quickly. They will hopefully account for a large share of electricity production in the future — but

German Public Electricity Generation in 2025: Wind and

Wind power took first place as the strongest net electricity producer, followed by photovoltaics, which increased its production by 21 percent in 2025

What Percentage Of The World Energy Do Wind Turbines Produce

Wind power is a significant contributor to global electricity generation, accounting for nearly 8% of total electricity generation worldwide in 2023. This growth is attributed to the use of wind

Renewable Power Generation Costs in 2024

Total installed costs for renewable power decreased by more than 10% for all technologies between 2023 and 2024, except for offshore wind, where they remained relatively stable, and bioenergy,

Global Statistics

Bonn (WWEA) – 2025 marked a watershed moment for the global wind power sector. According to preliminary statistics released by the World Wind Energy Association (WWEA), the

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