



# Wind farms generate more than half of their electricity





## Overview

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In 2022, wind turbines were the source of about 10. utility-scale electricity generation. But as wind infrastructure has grown, so has confusion about how it works and what it means for communities, wildlife, and the grid. Some. Bonn (WWEA) - In 2024, new wind turbine installations fell far short of expectations, reaching 121'305 Megawatt, slightly less than in 2023, when 121'465 MW were installed. Many of the major markets installed less than in the previous year - in almost half of the top 20 markets, new capacity was. Wind power is a branch of the energy industry that has expanded quickly in the United States over the last several years. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured as a percentage of total electricity produced in the country or region. Frequently Asked Questions The land-based wind industry supports over 275,000 jobs.



## Wind farms generate more than half of their electricity



### Wind power in the United States

Brazos Wind Farm in Texas Mendota Hills Wind Farm in northern Illinois Wind power is a branch of the energy industry that has expanded quickly in the United States over the last several years. [1]  
In ...

### Global Statistics

Share of wind power in electricity generation and consumption. The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear ...



### Electricity generation from wind

In 2022, wind turbines were the source of about 10.3% of total U.S. utility-scale electricity generation. Utility scale includes facilities with at least one megawatt (1,000 kilowatts) of electricity ...



[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 Factsheet

Wind could provide 20% of U.S. electricity by 2030 and 35% by 2050. 11 Five of the eight Great Lakes states have offshore wind energy potentials that exceed their annual electricity demand (MI, WI, NY, ...

### Wind Energy

Wind energy is a form of carbon-free, renewable energy, which today makes electricity at a lower average cost than any other form of new-built energy.



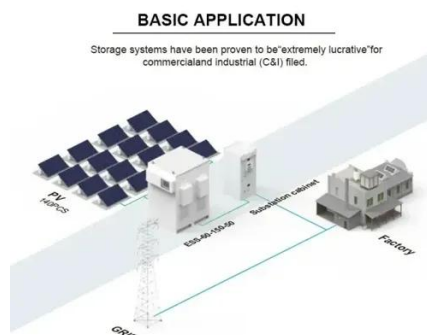
### [Wind Energy Myths: What the Science Actually Says](#)

Over a typical 20-25 year lifespan, a modern wind turbine generates 20 to 25 times more energy than was invested in its creation. This Energy Return on Investment (EROI) is competitive ...

### [Share of electricity production from wind, 2025](#)



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 ...



## Wind Energy Factsheet

Approximately 2% of the solar energy striking the Earth's surface is converted into kinetic energy in wind.<sup>1</sup> Wind turbines convert the wind's kinetic energy to electricity without emissions<sup>1</sup>, and can be ...

## Wind power in the United States

Overview National trends History Economics Wind power by state Commercialization of wind power Offshore wind power Wind energy meteorology

As of 2022, the United States has over 141 GW of installed wind power capacity. In 2010, newly installed generating capacity was about half of the previous year due to various factors, including the 2008 financial crisis, and the Great Recession. In 2013, there was a 92% reduction in newly installed generating capacity compared to 2012, due to the late extension of the PTC (see image on the right). The graph at left ...



## Wind Energy , Department of Energy

Wind power is the nation's largest source of renewable energy, with more than 150 gigawatts of wind energy installed across 42 U.S. States and Puerto Rico. These projects generate ...





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