

Wind Energy

Not Just Hot Air

Wind Energy 2026

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World Wind Energy Association

WWEA is an international non-profit association embracing the wind sector worldwide, with more than 600 members in around 100 countries. WWEA works for the promotion and worldwide deployment of wind energy technology.

- ✔ WWEA provides a platform for the communication of all wind energy actors worldwide.
- ✔ WWEA advises and influences national governments and international organisations.
- ✔ WWEA enhances international technology transfer.

[Return to event listing](#)

GLOBAL OFFSHORE WIND

GWEC supports its association member's flagship event RUKGOW26. Join industry leaders at Global Offshore Wind 2026 in London to explore innovative solutions and strategies for achieving offshore wind deployment goals by 2030.

 16-17 June, 2026 Manchester, UK[More Information](#)Share event: [in](#) [X](#) [f](#)

Global energy in 2026 will be marked by growth, resilience and competition

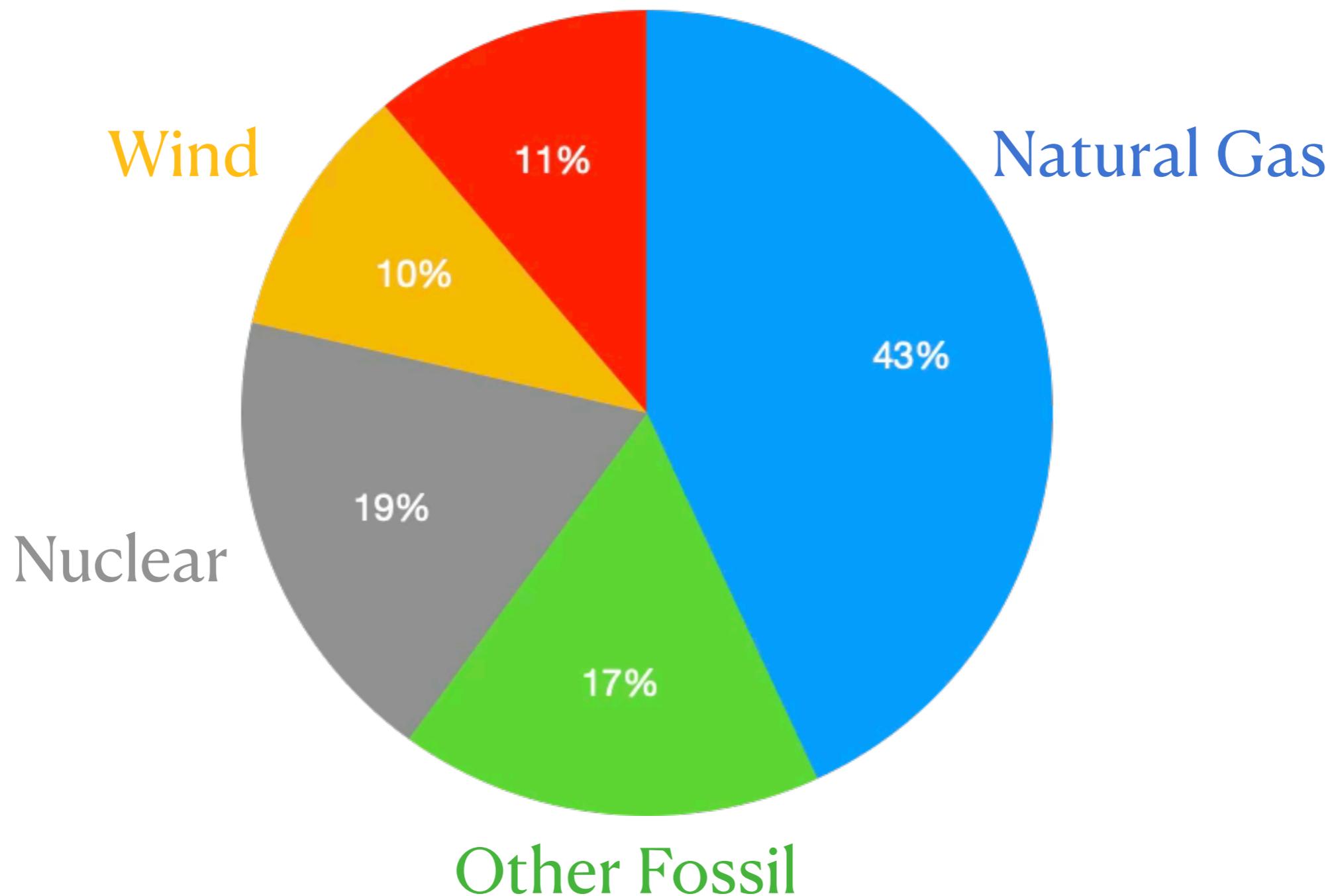
WWEA Half-year Report 2025

Global Wind Power Growth Accelerates in the First Half of 2025

Highlights

- **72,2 GW** added in the first half of 2025, up **64% year-on-year**
- **148 GW** installed between July 2024 and June 2025
- **Global total: 1'245 GW (1,25 TW)** as of June 2025
- **Annual growth rate: 13,5%**
- **Wind power share: ~12% of global electricity supply**
- **China: 51,4 GW added, more than double the previous year**
- **Full-year 2025 outlook: around 150 GW** new installations expected
- **Projected total by end-2025: over 1'320 GW**

Other Renewable

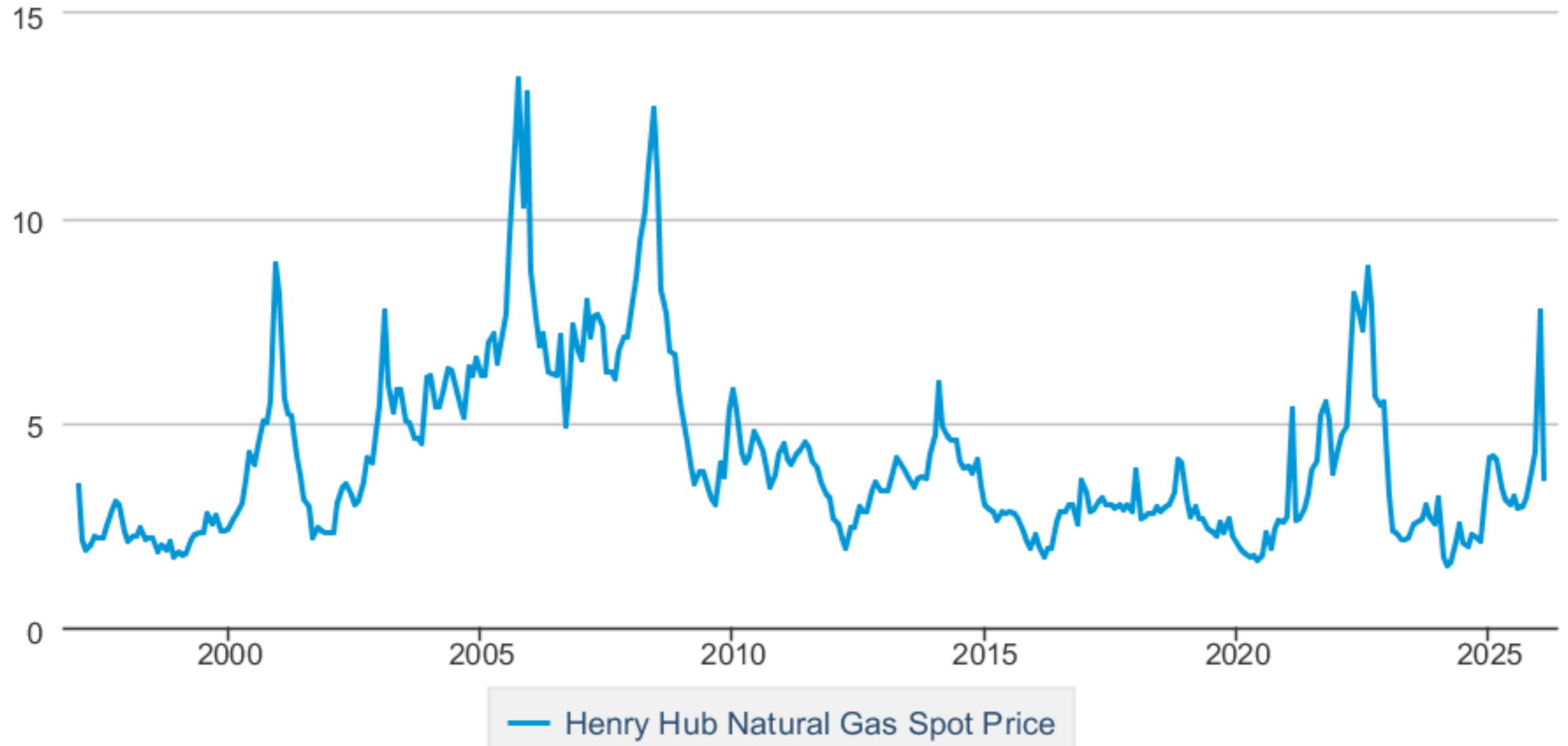


Independent Statistics and Analysis

**U.S. Energy Information
Administration**

Henry Hub Natural Gas Spot Price

Dollars per Million Btu



The Timeline and Events of the February 2021 Texas Electric Grid Blackouts

July 2021



The University of Texas at Austin
Energy Institute



Finland

Sweden

Is it true that wind turbines don't work in the winter?



Listen with [Speechify](#)

0:00



3:30

No: with proper preparation, wind turbines can work in extreme cold temperatures and in snow and ice.

Updated January 8, 2024

Wind projects are generating electricity today in a wide variety of locations and environments, including cold climates like **Finland and Sweden** and extreme environments like the cold waters of the **North Sea**. Wind turbines in these environments are outfitted to cope with snow, ice, and extreme cold. International design standards actually require that wind turbines can work at temperatures down to -4° Fahrenheit. Turbines engineered for cold climates—using technologies like cold-resistant steel and heaters to warm them—can work at temperatures down to **-22° Fahrenheit.**

CALL TO EARTH

CLIMATE > SOLUTIONS • 6 MIN READ

China was already a wind energy superpower. Now it's testing giant airborne turbines

MAR 5, 2026 ▾

By Tom Page



Wind energy continues to make news, as capacity increases and cost decreases. Currently wind provides about 12% of the global supply of electricity.

The U.S. gets electricity from a variety of sources, and each one has its advantages and disadvantages. Natural gas is the biggest source. Its biggest disadvantage for investors is the variability in price. If we build a new plant today, then we need to buy fuel for the next 30 years, and we don't know what the prices will be. Every electricity generator requires maintenance, but for wind and solar, at least the fuel is free.

In February of 2021, there was a major power outage in Texas during freezing weather. This report by the University of Texas tells us that every form of electricity generation lost a significant amount of capacity, and the worst losses came from our biggest source, which is natural gas plants. But some people in Texas really like fossil fuels, so they started a rumor that wind turbines can't operate in freezing weather.

The rest of the world disagrees. Cold countries such as Finland and Sweden operate wind turbines in weather down to -22 degrees F. In the same way, I never had my home water pipes freeze when I lived in Michigan, but they did freeze in the Texas snowstorm. Saving a little money on insulation can cause a lot of damage to anything.

So we don't need hot air for wind energy. And which country do you think has the most wind energy?

China. CNN has already called it a wind energy superpower. China used to send young engineers to the U.S. to learn the latest technology. Now the wind may be changing direction.