



Photovoltaic hydropower and wind power generation ratio





Overview

Renewable sources—wind, solar, hydro, biomass, and geothermal—accounted for 22% of generation, or 874 billion kWh, last year. Annual renewable power generation surpassed nuclear generation for the first time in 2021 and coal generation for the first time in 2022. 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 energy. Our World in Data is free and accessible for everyone. Help us do this work by making a donation. Solar PV accounts for almost 80% of the global. This publication presents renewable energy statistics for the last decade (2015-2024). The International Renewable Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide.



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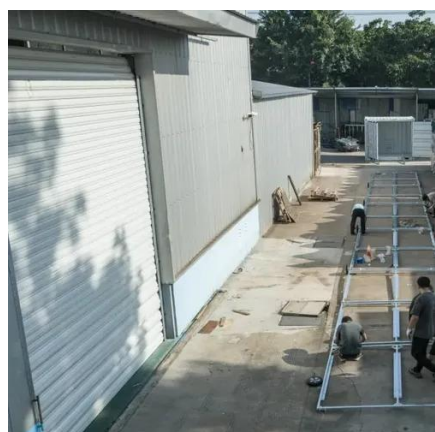


Renewable Energy

In the charts shown here, we look at the breakdown of renewable technologies by their components - hydropower, solar, wind, and others. The first chart shows this as a stacked area chart, which allows ...

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 ...



Solar and wind to lead growth of U.S. power generation for the next ...

Renewable sources--wind, solar, hydro, biomass, and geothermal--accounted for 22% of generation, or 874 billion kWh, last year. Annual renewable power generation surpassed nuclear ...

[Renewable electricity - Renewables 2025 - Analysis](#)

For solar PV, wind and bioenergy for power, deployment has been revised downwards. Solar PV accounts for over 70% of the absolute reduction, mainly from utility-scale projects, while offshore ...



U.S. Renewable Energy Factsheet

Global wind additions reached a record 117 GW in 2023, totaling 1,021 GW. The U.S. remained the second-leading market in annual and cumulative capacity, well behind China. 5. Solar has added the ...

A Decade of Growth in Solar and Wind Power: Trends Across the ...

This report uses data from the EIA to analyze solar and wind capacity and generation over the past decade (2014 to 2023) in all 50 states and the District of Columbia.



Potential assessment of large-scale hydro-photovoltaic-wind hybrid

Hydropower, PV and wind power account for 67%, 20% and 13% of the total electricity generation, respectively, and the largest potential is found in the Asia-Pacific region (40%).



Renewables in Electricity Production



, Statistics Map by Region

After a 3% drop in global hydropower generation in 2023 due to climate change and El Niño, hydropower generation recovered in many countries, and new solar and wind installations ...



[Executive summary - Renewables 2025 - Analysis](#)

Solar PV accounts for almost 80% of the global increase, followed by wind, hydropower, bioenergy and geothermal. In more than 80% of countries worldwide, renewable power capacity is set to grow faster ...

[Modern renewable electricity generation by source, World](#)

Modern renewable electricity generation by source, World Measured in terawatt-hours.





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