

# Percentage of renewable energy in world





## Overview

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How much of our electricity comes from renewables?

In the sections above we l.

**Hydropower generation**Hydroelectric power has been one of our oldest and largest sources of low-carbon energy. Hydroelectric generation at scale dates back more.

**Wind energy generation**This interactive chart shows the amount of energy generated from wind each year. This includes both onshore and offshore wind farms. Win.

**Solar energy generation**This interactive chart shows the amount of energy generated from solar power each year. Solar generation at scale – compared to hydropower, fo.

**Biofuel production**Traditional biomass – the burning of charcoal, organic wastes, and crop residues – was an important energy source for a long period.



## Percentage of renewable energy in world

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### [Renewable energy in Canada](#)

vast landmass and rich endowment of renewable resources have made it a world leader in renewable energy. As of 2022 accounting for more than 60 percent of generated power in 2022. Hydropower

### Renewable Energy

Renewable Supply and Demand Renewable energy is the fastest-growing energy source globally and in the United States. Globally: About 11.2 percent of the energy consumed globally for heating, power, and transportation came from modern renewables in 2019 (i.e., biomass, geothermal, solar, hydro, wind, and biofuels), up from 8.7 percent a decade prior (see figure ...



### Interactive: How much of your country's electricity is renewable?

As of 2020, nearly 80 percent of the world's energy was made by burning fossil fuels - oil, coal and gas. Renewable energy, including hydropower, solar, wind and biofuels, accounted for just

### [UK renewable energy statistics 2024](#)

The percentage of renewable energy produced in the UK peaked in 2020, at 42.67%. Since then, it has reduced only slightly. As of 2022, this percentage stood at 41.5%. UK fossil fuels vs. renewable



### Renewables - Global Energy Review 2021 - Analysis

Renewable energy use increased 3% in 2020 as demand for all other fuels declined. The primary driver was an almost 7% growth in electricity generation from renewable sources. Long-term ...

### [India: Energy Country Profile](#)

India: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.



### Renewables

Renewable energy sources accounted for 9% of Australian energy consumption in 2022-23. Renewable electricity generation has more than doubled over the last decade, but combustion of biomass such as firewood and bagasse (the remnant sugar cane pulp left after crushing) still constitutes about a third of all renewable energy consumption in Australia.



[Renewables 2022 Global Status Report , UNEP](#)

As the world's only crowd-sourced report on renewable energy, the Renewables 2022 Global Status Report (GSR) is in a class of its own. The Renewables 2022 Global Status Report documents the progress made in the renewable energy sector. It highlights the opportunities afforded by a renewable-based economy and society, including the ability to achieve more ...



[Renewable energy statistics 2020](#)

The International Renewable Energy Agency (IRENA) produces comprehensive, reliable data sets on renewable energy capacity and use worldwide. Renewable Energy Statistics 2020 provides data sets on power-generation capacity for 2010-2019, actual power generation for 2010-2018 and renewable energy balances for over 130 countries and areas for 2017-2018.



[Global overview - Renewables 2024 - Analysis](#)

Global overview. Renewable energy consumption in the power, heat and transport sectors increases near 60% over 2024-2030 in our main-case forecast. This increase boosts the share ...



[Renewable energy in the United States](#)

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## Renewable energy - powering a safer future , United Nations

Renewable energy actually is the cheapest power option in most parts of the world today. Prices for renewable energy technologies are It could decarbonize 90 percent of the power sector by



### [Global renewable energy consumption 2023](#)

Global consumption of renewable energy has increased significantly over the last two decades. Consumption levels nearly reached 90.23 exajoules in 2023. Despite its rapid growth, renewable energy

## Renewable energy: Global capacity increased by 50% in 2023 , World

The World Economic Forum's Better Community Engagement for a Just Energy Transition: A C-Suite Guide, highlights the need to ensure a people-positive approach to deploying renewable energy. Clean energy boomed in 2023, with 50% more renewables capacity added to energy systems around the world compared to the previous year.



## Nuclear Energy

As the world attempts to transition its energy systems away from fossil fuels towards low-carbon energy sources, we have a range of energy options: renewable energy technologies such as hydropower, wind, and solar, as well as nuclear power. Nuclear energy 2



### [Renewable energy statistics 2023](#)

Renewable energy statistics 2023 provides datasets on power-generation capacity for 2013-2022, actual power generation for 2013-2021 and renewable energy balances for over 150 countries and areas for 2020-2021.



### [Renewable energy statistics 2024](#)

Renewable energy statistics 2024 provides datasets on power-generation capacity for 2014-2023, actual power generation for 2014-2022 and renewable energy balances for over 150 countries and areas for 2021-2022.

### **Energy Mix**

This interactive map shows the share of primary energy that comes from renewables (the sum of all renewable energy technologies) across the world. The share of energy we get from individual renewable technologies - solar, or ...



### [Renewable Energy Statistics 2021](#)

The International Renewable Energy Agency (IRENA) produces comprehensive, reliable data sets on renewable energy capacity and use worldwide. Renewable Energy Statistics 2021 provides data sets on power-generation capacity for 2011-2020, actual power generation for 2011-2019 and renewable energy balances for over 130 countries and areas for 2018-2019.

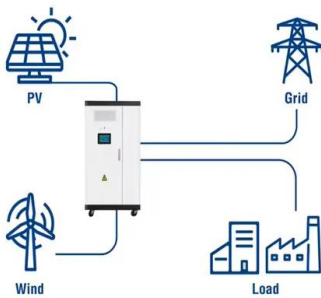


### Kenya: Energy Country Profile

Kenya: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.



### Utility-Scale ESS solutions



### Growth of Renewable Energy in the US

Yet despite record growth, renewable energy installations need to ramp up even faster. Analyses of achieving 100% carbon-free electricity by 2035, what's needed to achieve U.S. greenhouse gas reduction targets, indicate that annual installation rates of renewables in coming years need to nearly double the rates seen in 2023.

### Renewable Energy Growth Rate Up 45% Worldwide In 2020; IEA ...

Despite the pandemic, the growth rate in the world's renewable energy capacity jumped 45% in 2020, part of "an unprecedented boom" in wind and solar energy, according to a new report from the



### China: Energy Country Profile

China: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.



### World Adds Record New Renewable Energy Capacity in 2020

IRENA's annual Renewable Capacity Statistics 2021 shows that renewable energy's share of all new generating capacity rose considerably for the second year in a row. More than 80 per cent of all new electricity capacity added last year was renewable, with solar and wind accounting for 91 per cent of new renewables.



### [Renewable energy in the U.S.](#)

3 ???· Largest armies in the world by active military personnel 2024 U.S. border patrol apprehensions and expulsions FY 1990-2023 with the highest consumption of renewable energy worldwide, ranking

### Renewables - Global Energy Review 2020 - Analysis

Global Energy Review 2020 - Analysis and key findings. A report by the International Energy Agency. In our estimate for 2020, renewable energy demand increases by about 1% from 2019 levels, in contrast to all other energy sources. Renewable electricity



### Executive summary - Renewables 2024 - Analysis

Global renewables growth set to outpace current government goals for 2030. Global renewable capacity is expected to grow by 2.7 times by 2030, surpassing countries' current ambitions by ...





### How the Renewable Energy Sector is Growing so Rapidly , World ...

2020: Renewable energy remains resilient despite the COVID-19 pandemic. During the pandemic the global use of coal, gas and oil for electricity fell, yet renewable energy was resilient. Wind power grew 12% and solar power grew 23% in 2020, and are on track

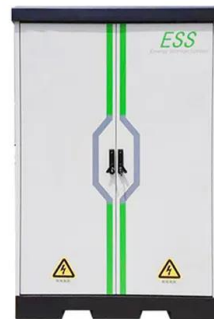


### Executive summary - Renewables 2023 - Analysis

G20 countries account for almost 90% of global renewable power capacity today. In the accelerated case, which assumes enhanced implementation of existing policies and targets, ...

### Solar energy status in the world: A comprehensive review

As a renewable resource, solar energy has the capability to replace the widely used fossil fuel resource in the near future. While the contribution of solar energy to global electricity production remains generally low at 3.6%, it has firmly established itself among).



### Renewable energy: Global capacity increased by 50% in 2023

Clean energy boomed in 2023, with 50% more renewables capacity added to energy systems around the world compared to the previous year. Additional renewable ...



### 30% of the world's electricity came from renewable ...

As the chart shows, renewables produced just over 30% of the world's electricity in 2023. This growth was mostly driven by the rapid rollout of solar and wind technologies. Hydropower generation actually fell in 2023 as a ...



### Annual percentage change in renewable energy generation

Percentage change in renewable energy generation relative to the previous year. It includes energy from hydropower, solar, wind, geothermal, wave and tidal, and bioenergy. Licenses: All visualizations, data, and articles produced by Our World in Data are open

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