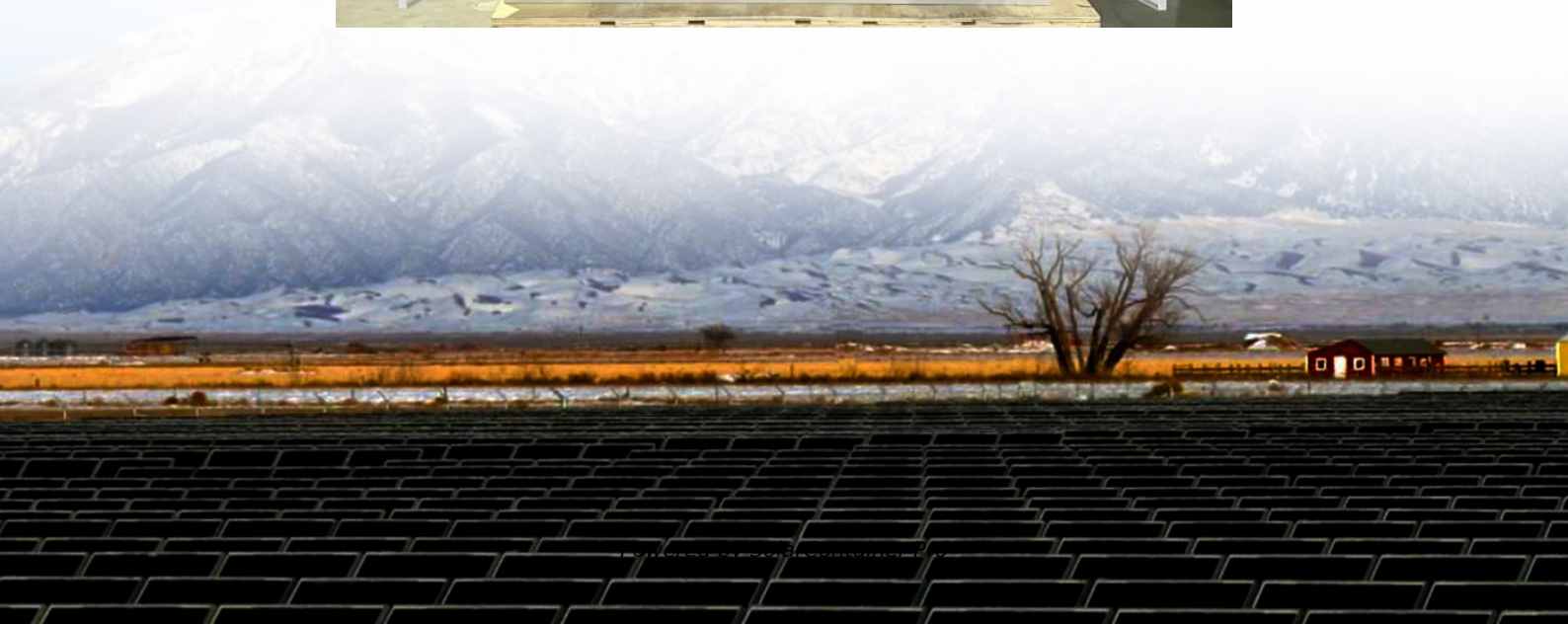


Power generation in Australia





Overview

The electricity sector in Australia has been historically dominated by coal-fired , but are forming a rapidly growing fraction of supply. In 2024, Australia's reached 265 TWh, with coal accounting for 52% and natural gas for 7.6%. Renewable sources, comprising solar, wind, hydro, and bioenergy with waste, collectively made up 40% of the total electric.

What percentage of Australia's electricity is generated by renewables?

Renewables contributed 36% of total electricity generation in 2024, specifically solar (18%), wind (12%) and hydro (5%). The renewables share of total generation was up 1% on 2023, the highest share of total generation on record. About 21% of Australia's electricity was generated outside the electricity sector by households and businesses.

How much electricity does Australia generate in 2021?

In 2021, Australia generated a total of 265 terawatt-hours (TWh) of electricity, with coal accounting for 52% and natural gas for 7.6%. Renewable sources, including solar, wind, hydro, and bioenergy, made up 40% of the total electricity generation mix.

How much electricity does Australia produce?

It delivers around 80% of all electricity in Australia. (Western Australia and the Northern Territory have their own electricity systems and regulatory arrangements and not connected to the NEM) Large generators (power plants) produce the electricity from an energy source such as coal, wind, solar or hydro.

How much electricity does Australia produce in 2024?

In 2024, Australia's electricity production reached 265 TWh, with coal accounting for 52% and natural gas for 7.6%. Renewable sources, comprising solar, wind, hydro, and bioenergy with waste, collectively made up 40% of the total electricity generation mix.

What percentage of Australia's electricity is generated by coal?



In 2023, fossil fuel sources contributed 65% of the country's total electricity generation, with coal accounting for 46% of that share. Coal-fired power stations have long been a significant source of electricity generation in Australia, but their usage is declining.

Where can I find live electricity generation statistics in Australia?

Australian states: We provide Live Australian Electricity Generation Statistics for all six states and the two continental territories of the Commonwealth. The Wholesale Electricity Market (WEM) operates within the South West Interconnected System (SWIS) in Western Australia. The SWIS consists of 96,000 km of power lines.



Power generation in Australia



[Australia Electricity Generation Mix 2024/2025](#)

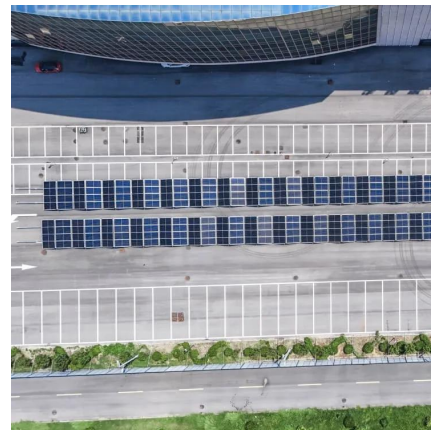
Renewable energy from sources like wind, solar and hydro provided about 29% of Australia's electricity generation in 2021. This includes both large generators and small solar ...

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Australia reaches record solar, generating a QUARTER of its electricity

Sydney, 13 November 2024 - New data from global energy think tank Ember reveals that Australia generated 25% of its electricity from solar power in October 2024, marking the first ...

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[Solar Electricity Generation in Australia](#)

Solar Electricity Generation in Australia industry analysis As Australia looks to a cleaner future, solar power offers a bright alternative to emissions-intensive fossil fuels. Advances in solar



...

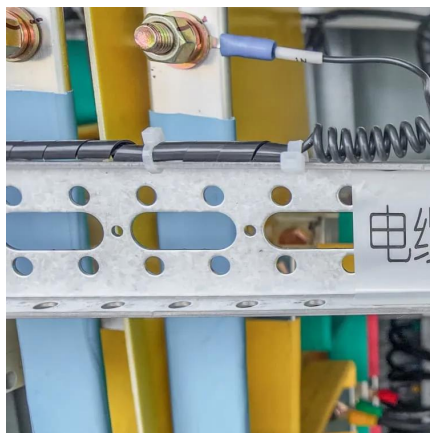
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Electricity sector emissions and generation data 2023-24

Corporations registered under the National Greenhouse and Energy Reporting Act 2007 (NGER Act) are required to report greenhouse gas emissions, and energy production ...

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2021 Australian Energy Statistics (Electricity) , Ministers for the

Latest data for Australia's total electricity generation show renewables continued to increase as a share of generation in 2020, while dispatchable generation sources, coal and ...

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[Live Supply & Demand Widget, sponsored by RenewEconomy](#)

Whatever you want to call it, we hope you find it useful in understanding, at summary level, what's currently happening in terms of electricity supply (and now demand) across much of Australia. ...

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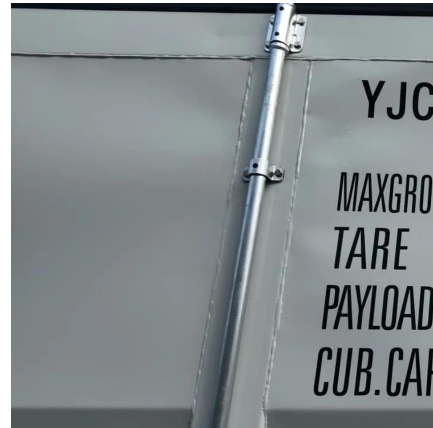




Live Australian Electricity Generation Source Statistics

Live Australian Electricity Generation Statistics: Energy Matters believes in a Zero-Carbon future; the NEM Watch Live widget shows the amount of electricity being generated in ...

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Electricity sector in Australia

OverviewElectricity
supplyPrivatisationRenewablesStorageNational
Electricity MarketStates and territories

The electricity sector in Australia has been historically dominated by coal-fired power stations, but renewables are forming a rapidly growing fraction of supply. In 2024, Australia's electricity production reached 265 TWh, with coal accounting for 52% and natural gas for 7.6%. Renewable sources, comprising solar, wind, hydro, and bioenergy with waste, collectively made up 40% of the total electric...

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