

The National Electricity Market

The National Electricity Market (NEM) is one of the world's longest interconnected power systems located on Australia's east coast – comprising about 40,000 km of transmission lines and cables, which transport electricity to more than 85% of Australia's population.

AEMO operates the NEM. This includes the power system, matching supply and demand in real-time, and the wholesale electricity market.

The market involves the buying and selling of the lowest-cost wholesale electricity and energy-related services.

This wholesale electricity is scheduled for dispatch at five-minute intervals and transported to homes and businesses across the NEM.

Western Australia and the Northern Territory are not connected to the NEM.



NEM facts

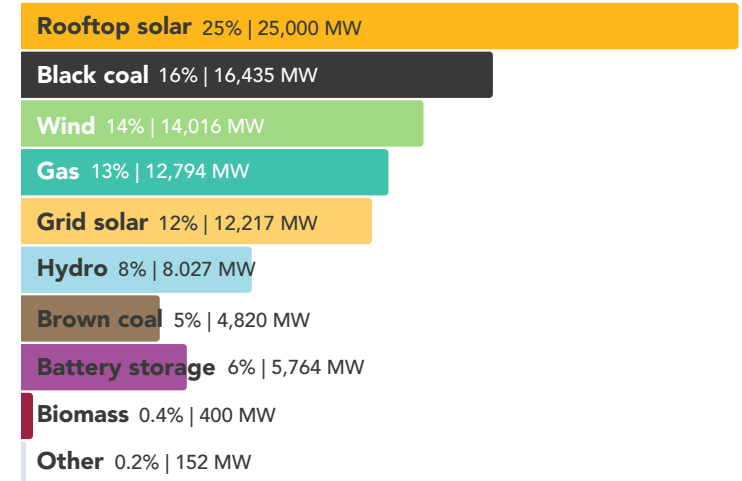
Commenced as a wholesale electricity market in December 1998.

Nearly 650 registered participants rely on the NEM, including generators, network owners, retailers, and large energy users.

In FY25, approximately 200 terawatt hours of electricity exceeding \$25 billion in value was traded and supplied through the NEM.

Generation capacity

By fuel type in 2025

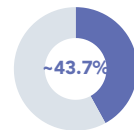


NEM records

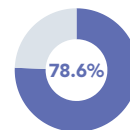


Driven by periods of high rooftop solar generation and mild temperatures, which reduce demand for energy from the grid.

Average
annual renewable and storage contribution

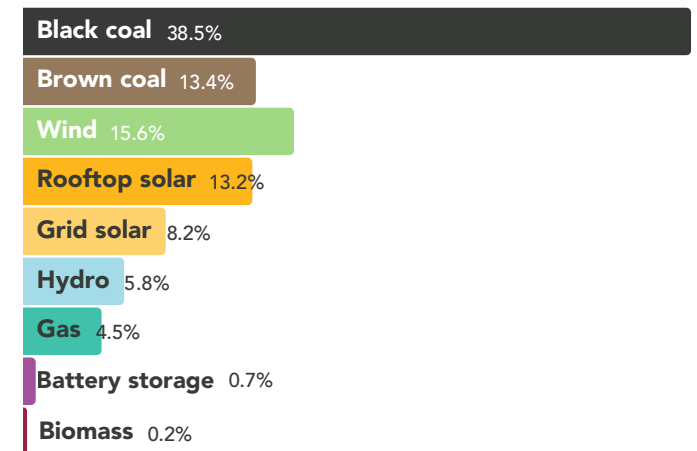


Instantaneous
renewable contribution record
11 October 2025



Generation supply mix

By fuel type in 2025



About us: AEMO is the independent energy market and system operator and system planner for the National Electricity Market (NEM) and Western Australia's Wholesale Electricity Market (WEM). We are a not-for-profit company, with a membership of state and federal governments (60%) and energy industry members (40%).

More info: aemo.com.au/about/who-we-are