FACT SHEET

The National **Electricity** Market

The National Electricity Market (NEM) operates on one of the world's longest interconnected power systems. It covers around 40,000 km of transmission lines and cables, supplying a population exceeding 23 million.

The NEM involves wholesale generation that is transported via high voltage transmission lines from generators to large industrial energy users and to local electricity distributors in each region, which deliver it to homes and businesses.

The transport of electricity from generators to consumers is facilitated through a 'pool', or spot market, where the output from all generators is aggregated and scheduled at fiveminute intervals to meet demand and to provide a better price signal for investment in faster response technologies, such as batteries and gas peaking generators.

Western Australia and the Northern Territory are not connected to the NEM. They have their own electricity systems.

NEM RECORDS



Generation capacity

By fuel type as at December 2024

Thermal energy

13.8% | 12,177 MW

24.1% | 21,255 MW

Gas

Coal





Commenced as a wholesale electricity market in December 1998.

More than 600 registered participants, including generators, transmission and distribution network service providers, and market customers, including

Approx 181.4 terawatt hours of electricity supplied to homes and businesses a year.



\$17.7 billion traded in FY23-24.

Generation supply mix

By fuel type as at December 2024



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