Driven by mild weather and rooftop solar generation, which reduces demand for energy from the grid.

NEM RECORDS

Maximum demand record
35,796 MW (29 Jan 2009)

Minimum demand record
11,000 MW (29 Oct 2023)

Driven by mild weather and rooftop solar generation, which reduces demand for energy from the grid.

NEM Facts

Commenced as a wholesale electricity market in December 1998.

More than 570 registered participants, including generators, transmission and distribution network service providers, and market customers, including retailers.

Approx 175 terawatt hours of electricity supplied to homes and businesses a year.

$25.46 billion traded in FY22-23.

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 of 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 five-minute 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.

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

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