

A glimpse of the future

Forecasting Western Australia's electricity consumption trends over the next ten years to 2025–26

Australia's energy industry is undergoing an unprecedented transformation. Consumers are benefiting from technological advancements in energy efficiency and energy storage systems, changing the way Australians are consuming electricity from the grid.

This infographic explores the key themes of the Deferred 2015 Wholesale Electricity Market Electricity Statement of Opportunities (WEM ESOP), primarily electricity peak demand and the operational consumption outlook for the South West inter-connected system (SWIS) in Western Australia (WA) over a 10-year forecast period, from 2016–17 to 2025–26.

What is the WEM ESOP?

The WEM ESOP contains peak demand and operational consumption forecasts across a range of weather and economic scenarios over a 10-year forecast period from 2016–17 to 2025–26.

In particular, the report highlights the 10% probability of exceedance peak demand forecast to determine the Reserve Capacity Target (RCT) for the 2017–18 Capacity Year.

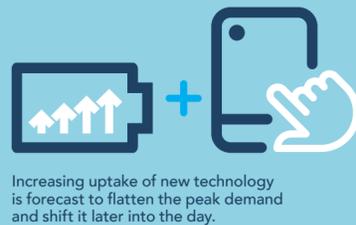
The WEM ESOP also provides information on:

- Generation and Demand Side Management capacity in the SWIS.
- Planned capacity, capacity retirements, and development opportunities.

RCT = 4,552
megawatts (MW)

The Reserve Capacity Target for the 2017–18 Capacity Year

What will Western Australia's electricity consumption look like in 10 years' time?

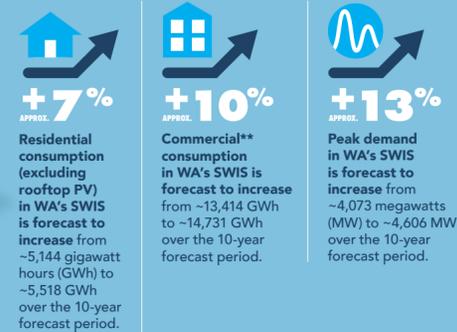


At present, roughly one in five (22.5%) residential customers in the SWIS has rooftop photovoltaic (PV) installed, making WA the third highest state for dwellings with rooftop PV (as a proportion of total dwellings).[†]



[†] Due to differences in methodologies, rooftop PV is excluded from sales in Western Australia.

Western Australia



South Australia



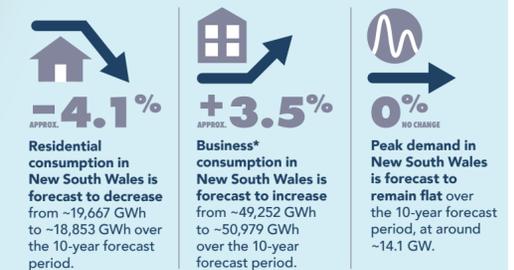
Tasmania



Queensland



New South Wales



Victoria



* Business as defined in AEMO's NEFR includes all electricity consumers other than residential.

** Commercial as defined in AEMO's WEM ESOP includes all electricity consumers other than residential.