

Weekly electricity security of supply snapshot

22 December 2025



Information to help you understand this snapshot

The Electricity Authority Te Mana Hiko is focused on making sure Aotearoa New Zealand has a **reliable and continuous power supply**, ensuring that everyone has electricity when it's needed.

To explain how well the electricity system is functioning to ensure the lights (and kettles, stoves etc) stay on, we have an explainer we call Keeping the lights on.

Every week, we publish a 'snapshot' of how our system is looking in terms of overall security, together with supporting information on rainfall, hydro storage, geothermal generation and wholesale electricity prices.

The graph on page 5 shows the **Electricity Risk Curves (ERCs) and national hydro storage**. The ERCs are based on how much fuel is available to generate electricity. They are designed to show how low hydro storage would need to be to cause concern about security of supply.

The light blue line shows where hydro storage normally is during the year, and the dark blue line shows how much hydro storage there has been since 2023. **You can see that it is currently above the typical level for this time of year and is above the ERCs.**

The three maps of Aotearoa New Zealand on page 6 show **the forecast rainfall over the next 35 days**.

We are in a better energy position to firm a dry 3-month period than in winter 2024. The winter 2024/2026 comparison chart compares the amount of thermal generation and demand response in winter 2024, and some demand increases, to thermal fuel and new generation available for winter 2026.

The chart on page 8 shows **the amount of power generation infrastructure 'on outage'**, which means it will not be available to generate electricity.

The chart on page 9 provides **an estimate of spot prices for this month and quarter**, based on recent prices and forward prices.

The final chart, on page 10, shows **wholesale forward prices** - the cost for purchasing electricity for a given time period in advance. They reflect expectations of future electricity demand and generation costs.

This week's snapshot

This week spot prices were under \$5/MWh with around 98% of electricity generation provided by renewables.

National hydro storage remains high and above nominal full levels.

It is important to understand there are different drivers of wholesale prices. The current wholesale spot prices have been driven by sufficient renewable fuel and capacity to meet national demand.



Summary of overall electricity system risk for the next three months

Wholesale prices

Average daily prices are likely to be around \$8/MWh at Benmore and 20/MWh at Ōtāhuhu for the rest of the year

Security of supply (energy)

Overall risk to national energy supply is significantly lower than winter 2024

Security of supply (capacity)

Transpower's NZ Generation Balance shows sufficient capacity for the next 6 months

Security of supply outlook for the next three months:

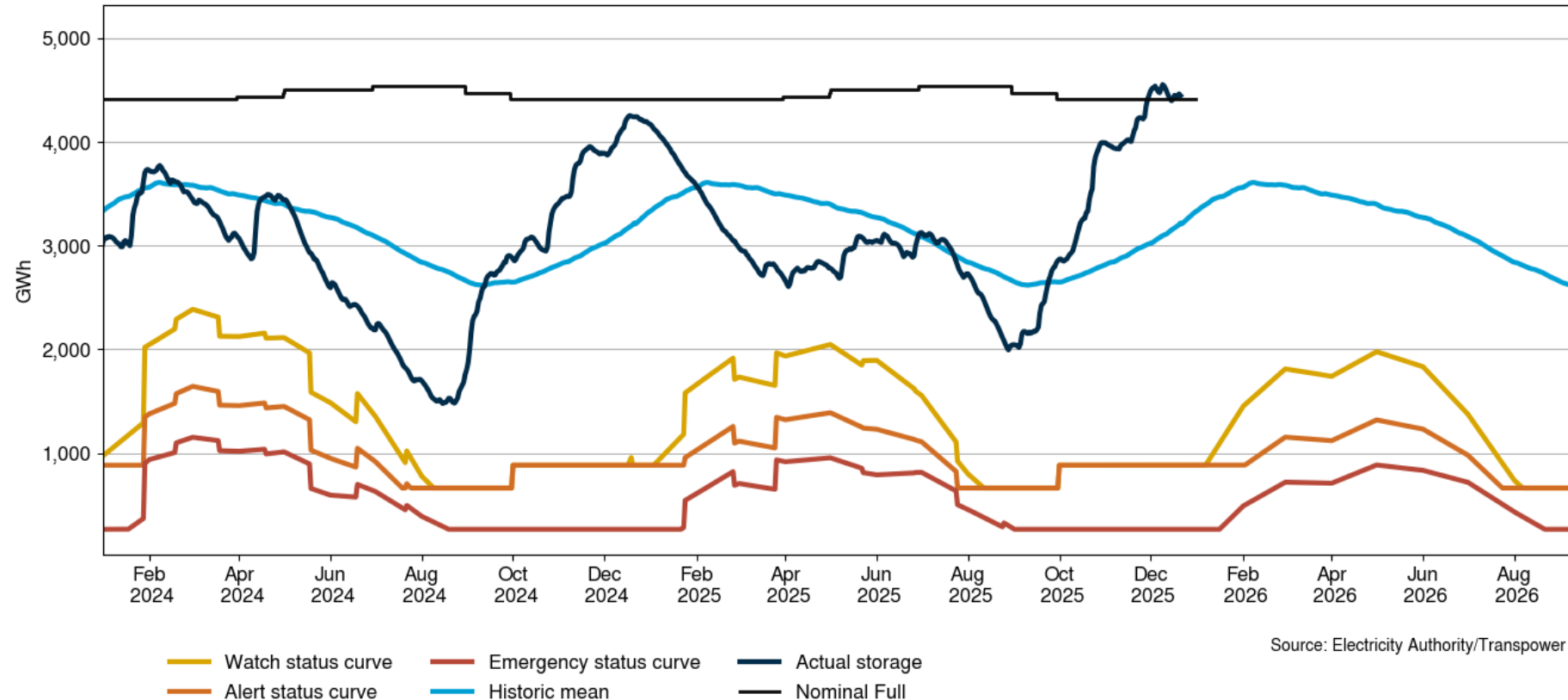
Hydro storage remains high. Demand is likely to reduce over the holiday period. Fuel supply and generation capacity will be sufficient to meet national demand.

Electricity market information in this snapshot:

- New Zealand Electricity Risk Status Curves (Available GWh)
- 35-day rainfall forecast
- Winter 2024/2025 comparison
- Planned maintenance shut-downs of power generation infrastructure
- Forecast wholesale electricity spot prices
- Forward curve – average future wholesale electricity price.



New Zealand Electricity Risk Status Curves (Available GWh)



National hydro storage remains high and above the electricity risk curves. Current storage is ~101% nominally full and ~138% of historic mean.

Source: Transpower as the system operator

35-day rainfall forecast

NIWA35

Rainfall anomaly for 35 days

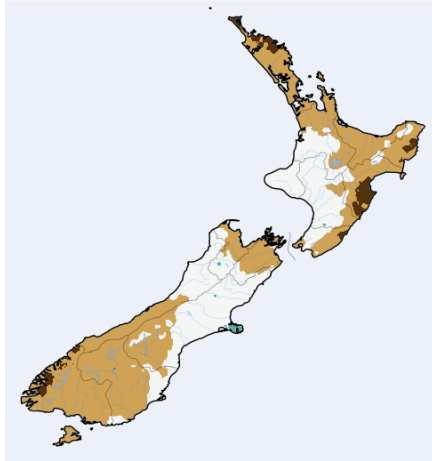
Model initiation: 00 UTC Fri 19/12/2025

Valid: 01 PM Fri 19/12/25 - 01 PM Thu 22/01/26 NZDT

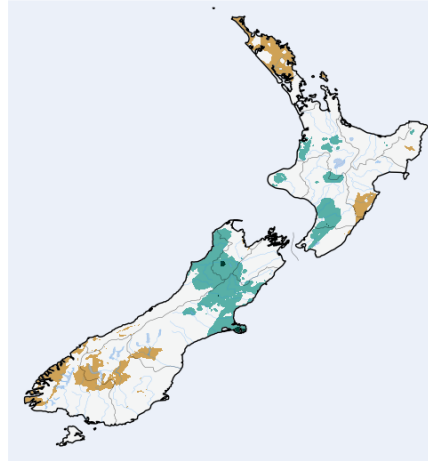


"Normal" is the percentage relative to a climatology and the forecast. The climatology is a 35 day rolling sum of a 35 day rolling average from 1991-2020 from the VCSN.

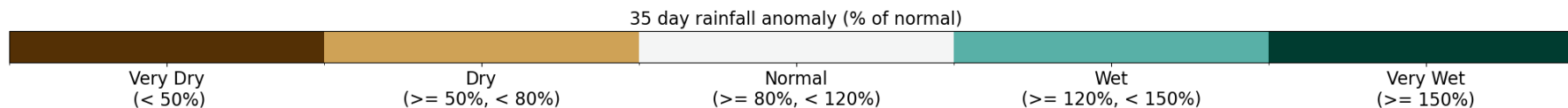
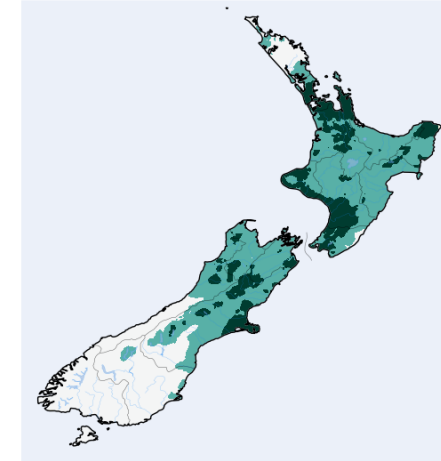
Drier scenario (25th percentile)



Middle scenario (50th percentile)



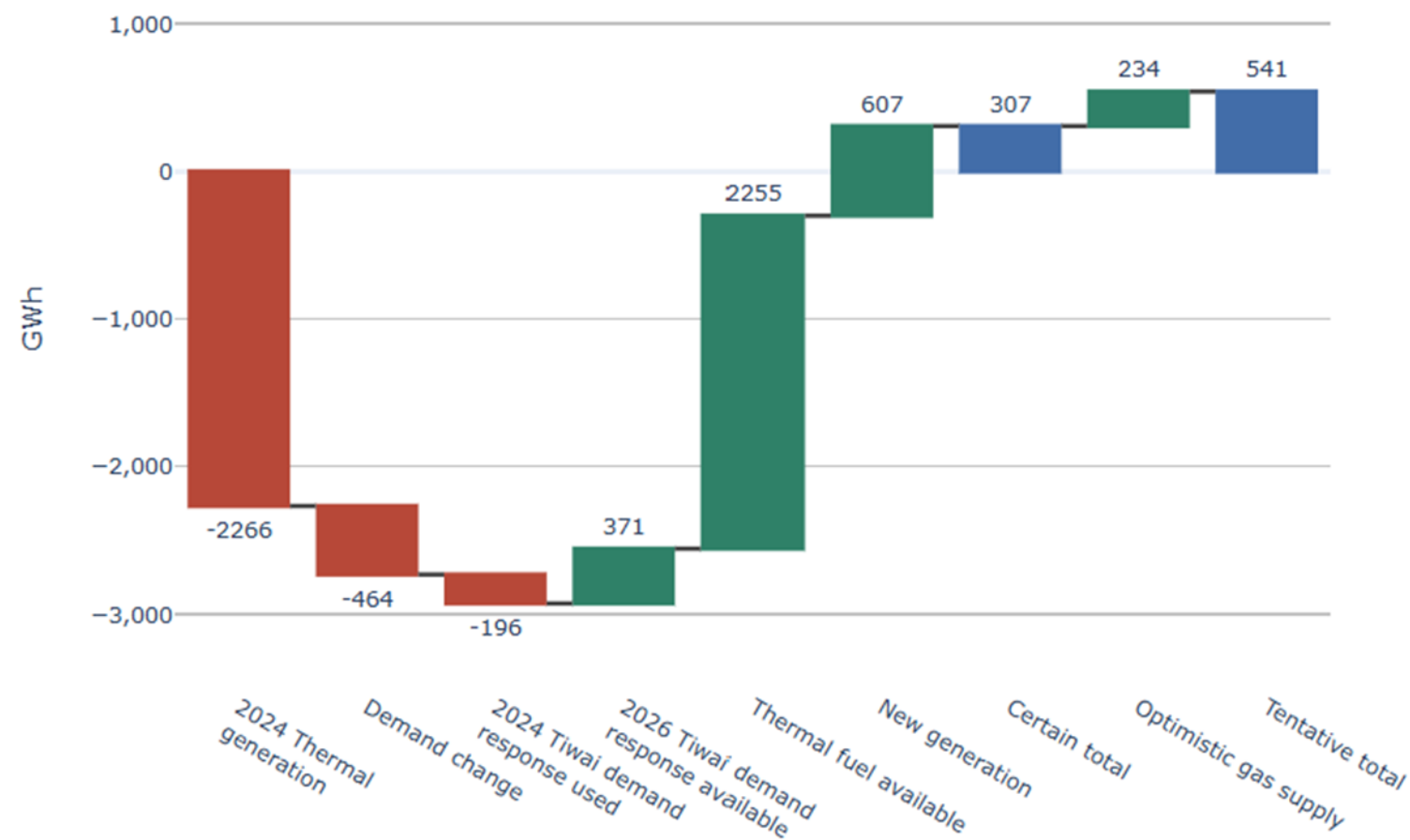
Wetter scenario (75th percentile)



These maps show that this week's forecast is that rainfall over the next 35 days is likely to be normal across the major hydro catchment areas in the southwest of the South Island.

Source: NIWA

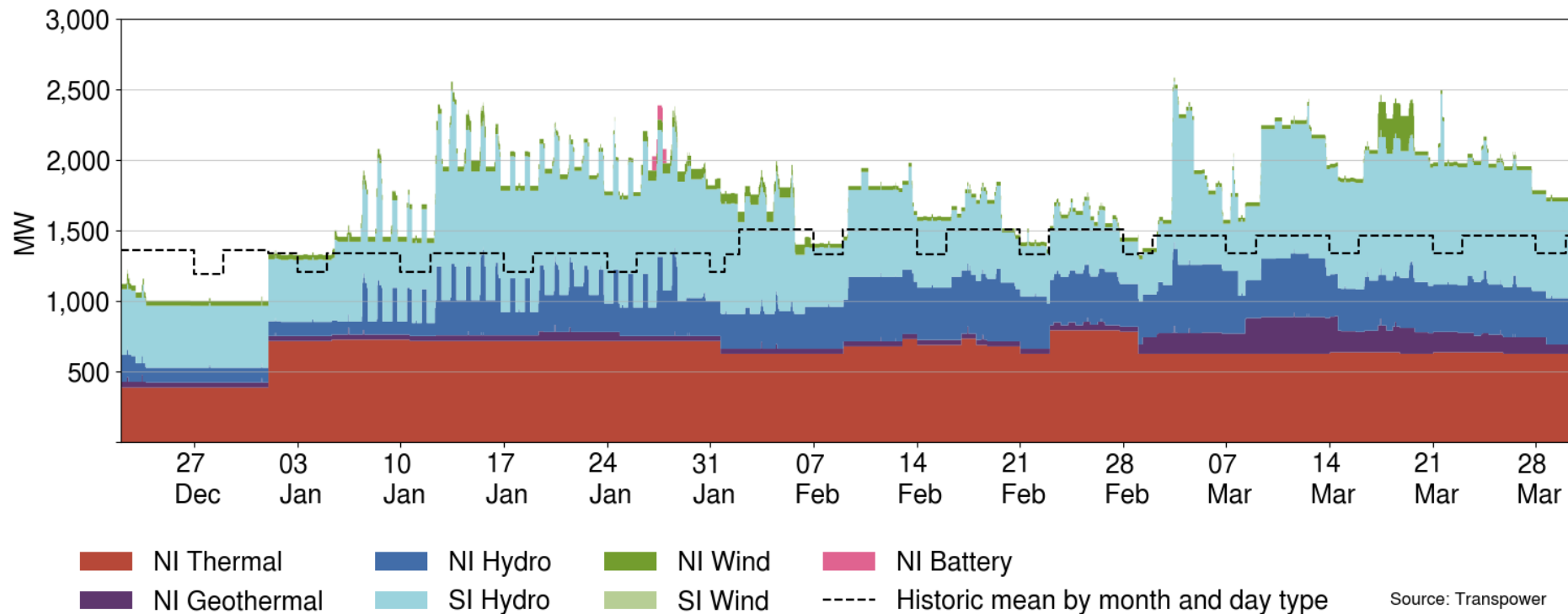
Winter 2024/2026 comparison



Source: Electricity Authority

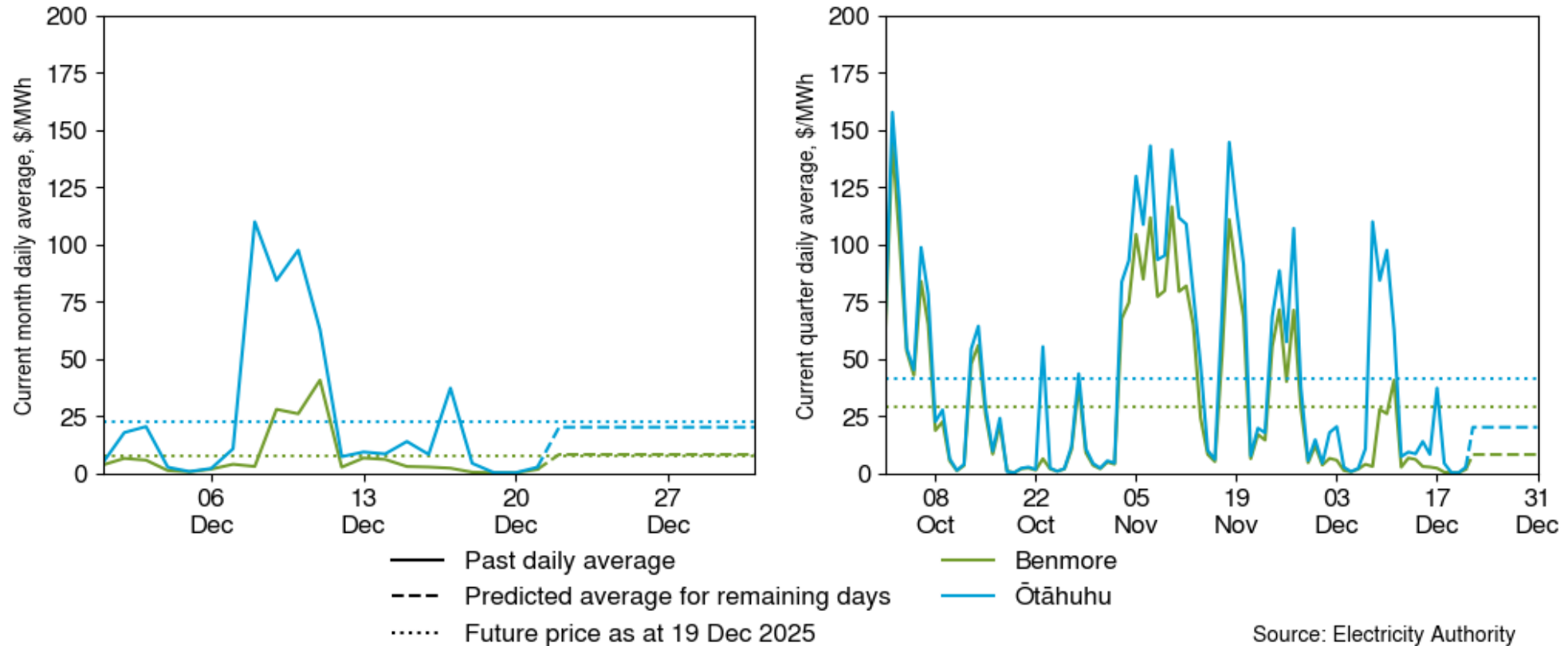
We are in a better energy position to firm a dry 3-month period than in winter 2024 (total net improvement: 307GWh, an increase from last month due to increases to Ahuroa storage and increases in gas contracts). This chart compares the amount of thermal generation and demand response in winter 2024, and some demand increases, to thermal fuel and new generation available for winter 2026.

Planned maintenance shut-downs of power generation infrastructure – by infrastructure type



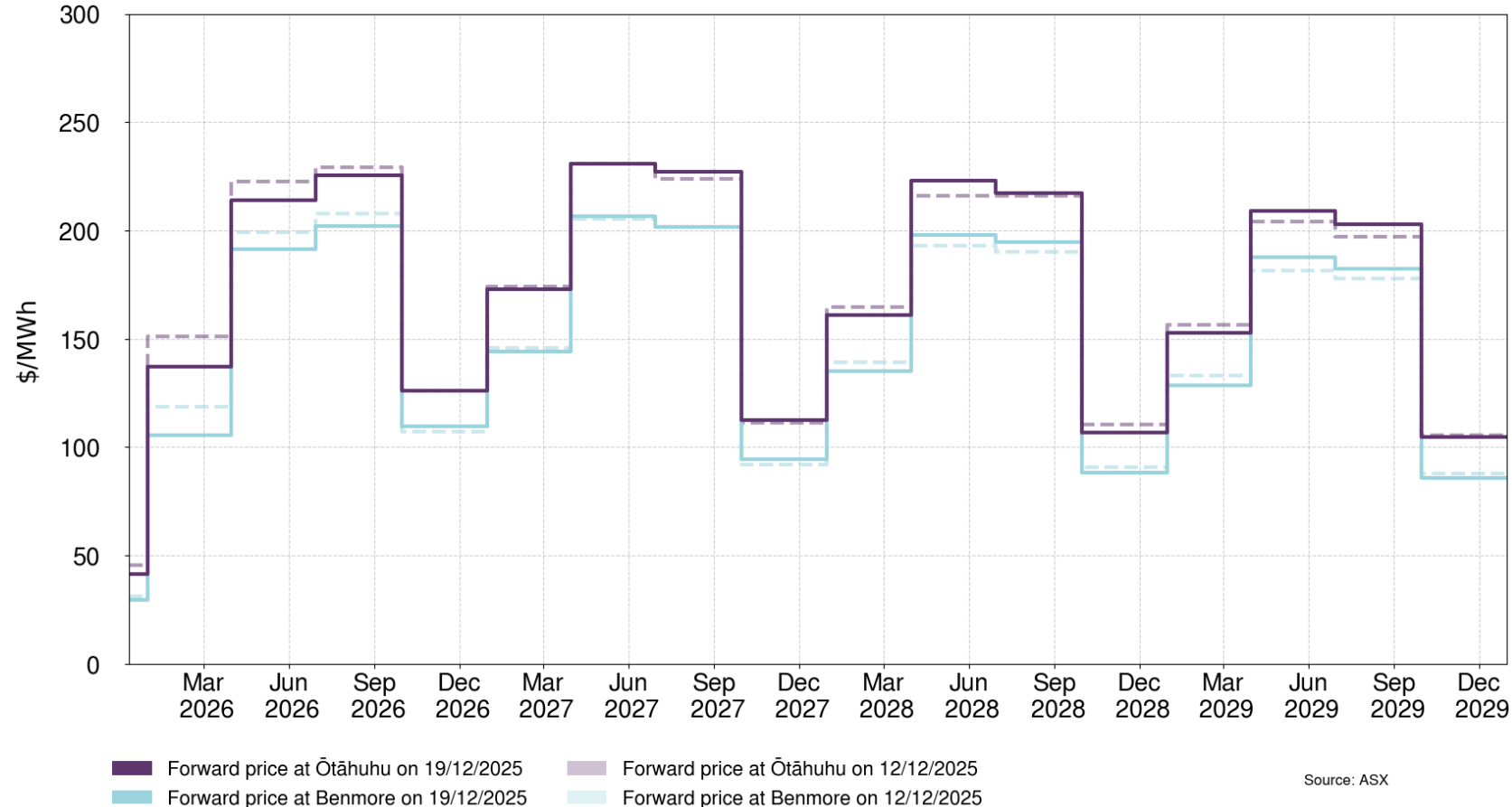
This chart shows that the amount of power generation infrastructure 'on outage' (shut down for planned maintenance) over the next three months is expected to be above average on most days.

Wholesale electricity spot prices



This chart shows that the forecast daily average wholesale spot prices are ~\$8/MWh at Benmore and ~20/MWh at Ōtāhuhu for the rest of this year. Low forecast prices reflect expected decreases in national demand over the holiday period and abundant hydro storage conditions.

Forward curve – average future wholesale electricity price



This chart shows that the average forward price for the March quarter in 2026 is currently \$105-137/MWh at Benmore and Ōtāhuhu respectively. This is a decrease of \$13-14/MWh since last week. June 2026 prices saw a smaller decrease, with prices at \$191-214/MWh. Hydro storage conditions, along with recent increases to gas storage are likely factors in this decrease to near term future prices.

Find more information
at yourpower.co.nz