

Electricity Authority weekly security of supply report 15 August 2024

Key points

National average spot price between 8-14 August was \$653/MWh, with most prices (middle 50%) sitting between \$507-\$806/MWh. The Ōtāhuhu spot price reached a maximum of \$1,102/MWh at 4:30pm on Wednesday when high priced hydro was dispatched to meet peak demand when wind was low. High prices were driven by low hydro storage and gas shortages. Average weekly prices are now beginning to trend down again after peaking this week.

The **proportion of generation from hydro** was low this week due to hydro storage continuing to decrease.

The **coal stockpile** at Huntly was estimated to be between 113-154kt by Enerlytica on 13 August. However, Enerlytica has reported five shipments delivered and four incoming over the next month.

The amount of **generation on outage** between 8-14 August was close to or below average for this time of year. The amount of generation on outage next week is expected to be close to or below average.

National controlled **hydro storage** has decreased. As of 13 August, controlled hydro storage is ~33% nominally full and ~54% of historic mean. The electricity risk curves were last updated on 22 July and are constantly reviewed.

The **Ahuroa gas storage** facility returned from unscheduled partial outage on 14 August.

Figure 2: Wholesale spot prices at Ōtāhuhu and Benmore

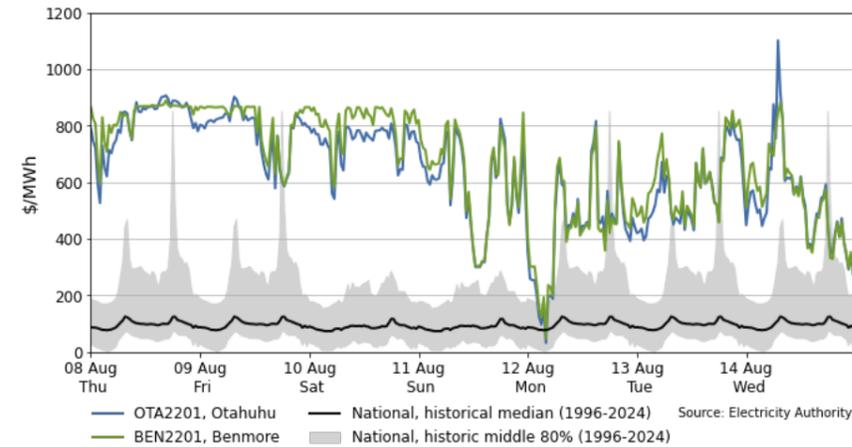


Figure 3: HVDC flow

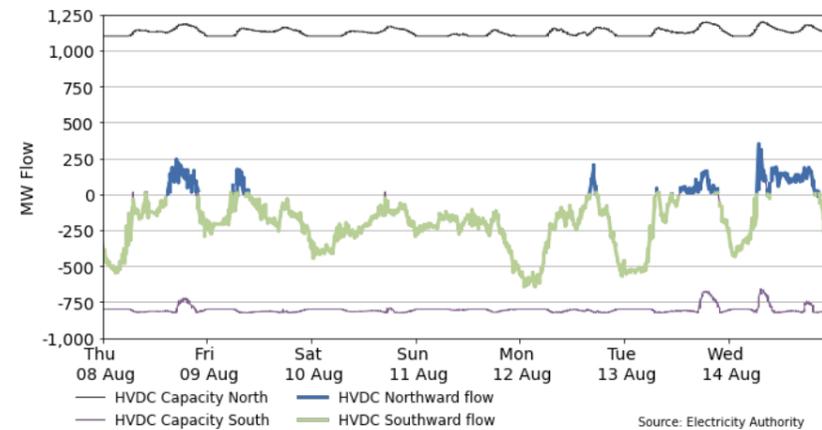


Figure 5: Wind generation and forecast

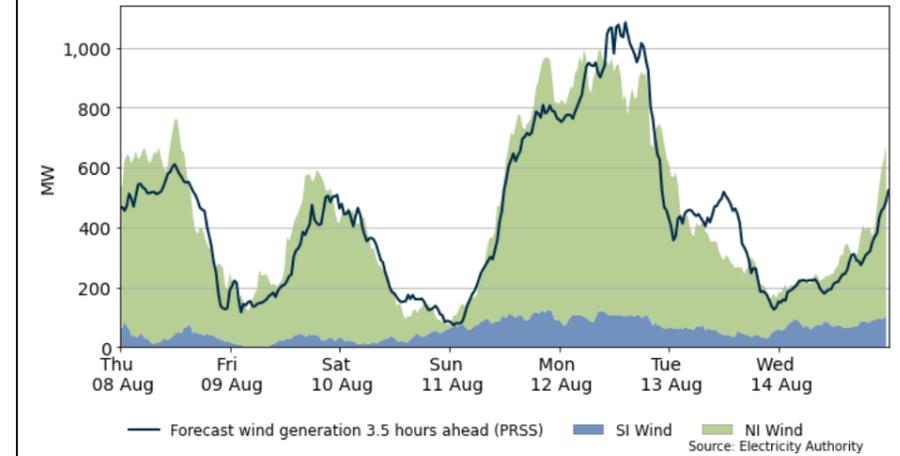


Figure 6: Hydro generation

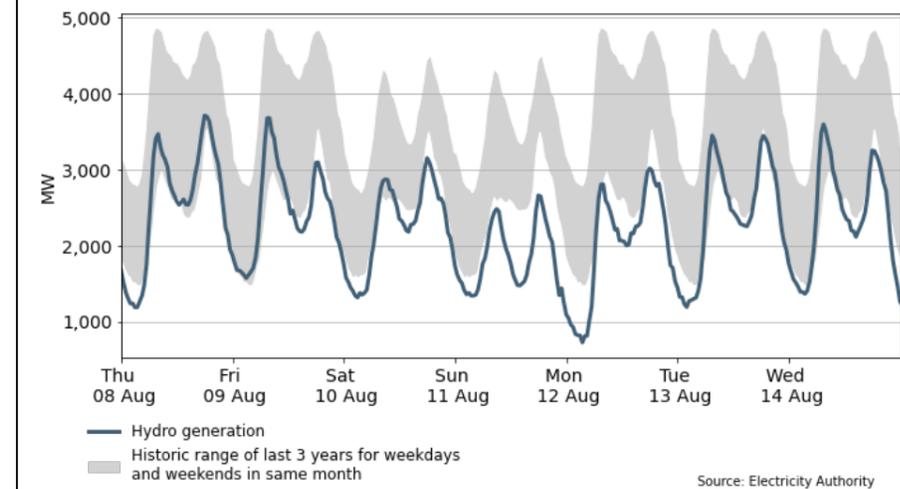


Figure 1: Hydro storage and Electricity Risk Curves

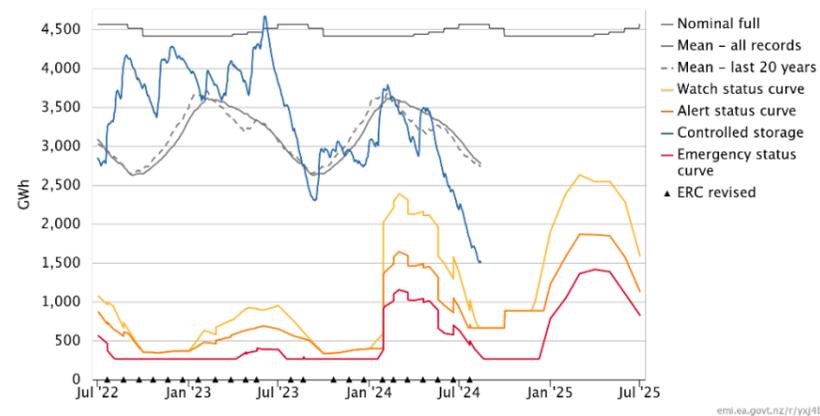


Figure 4: Generation by type on outage

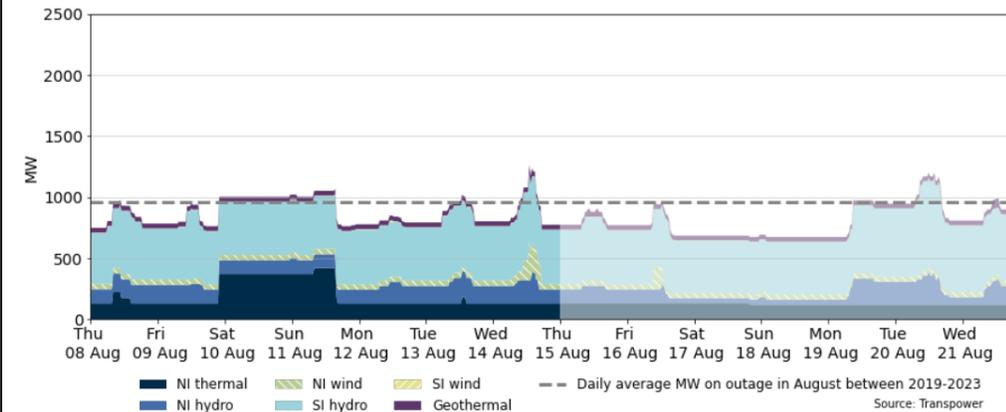


Table 1: Notable planned outages (active 15-22 August 2024)

Plant	MW Loss	Start	End
West Wind	142.6	16-Aug-24	16-Aug-24
Manapōuri Unit 4	128	16-Feb-24	18-Sep-25
Manapōuri Unit 6	128	13-Nov-23	10-Mar-25
Manapōuri Unit 5	128	19-Aug-24	20-Aug-24
Stratford Peaker 2	100	28-Aug-23	27-Sep-24