Electricity Authority weekly security of supply report 28 March 2024

Key points

National average spot price between 21-27 March was $262/MWh, with most prices (middle 50%) sitting between $245-$285/MWh.

The **proportion of generation from hydro** was highest at the start of the week and decreased as wind generation increased.

The **coal stockpile** at Huntly was estimated at 657kt as of 24 March. At the current rate of consumption (from 31 December 2023 to 24 March 2024), this is enough to last until December 2026.

The amount of **generation on outage** most days between 21-28 March was higher than average for this time of year. A number of planned South Island hydro outages are taking place, which include long term outages such as those at Manapōuri. From 29 March-3 April, the amount of generation on outage is expected to be below average.

Controlled **hydro storage** is ~70% nominally full and ~88% of historic mean as of 26 March. The electricity risk curves were last updated on 19 March and are constantly reviewed.

Figure 1: Wholesale spot prices at Ōtāhuhu and Benmore

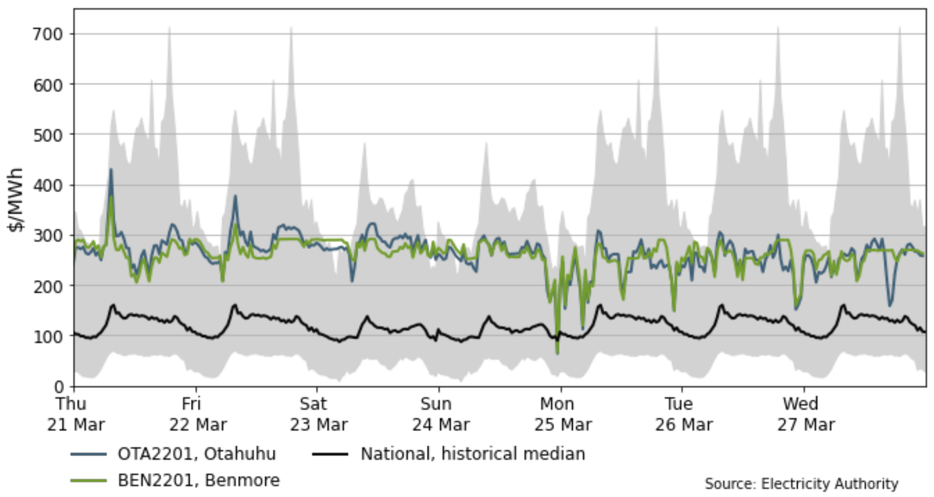

Figure 2: HVDC flow and capacity

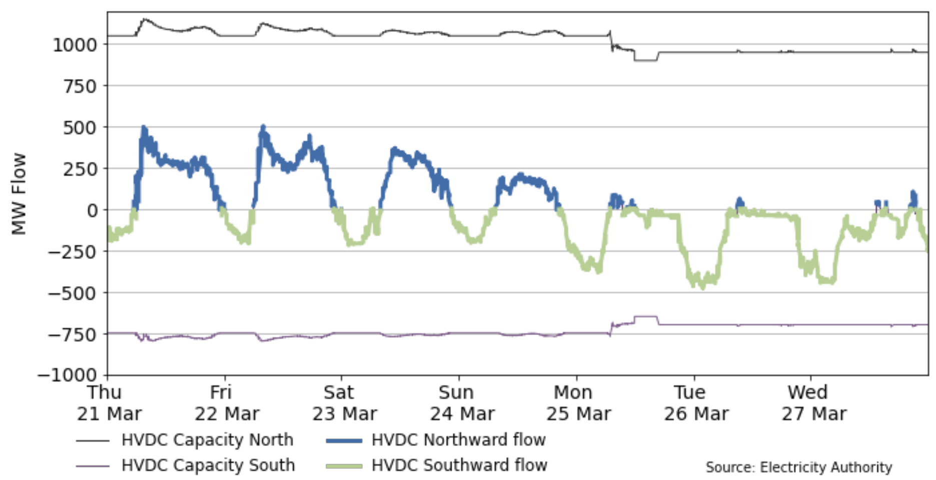

Figure 3: Wind generation and forecast

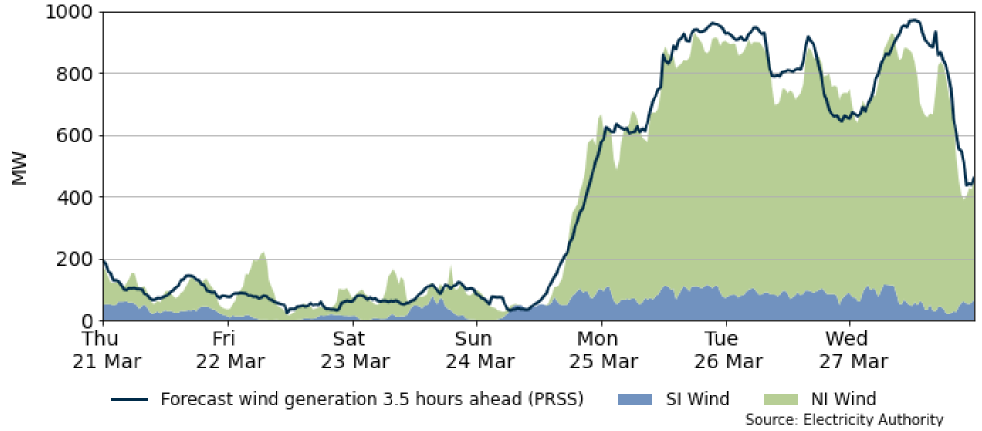

Figure 4: Hydro generation

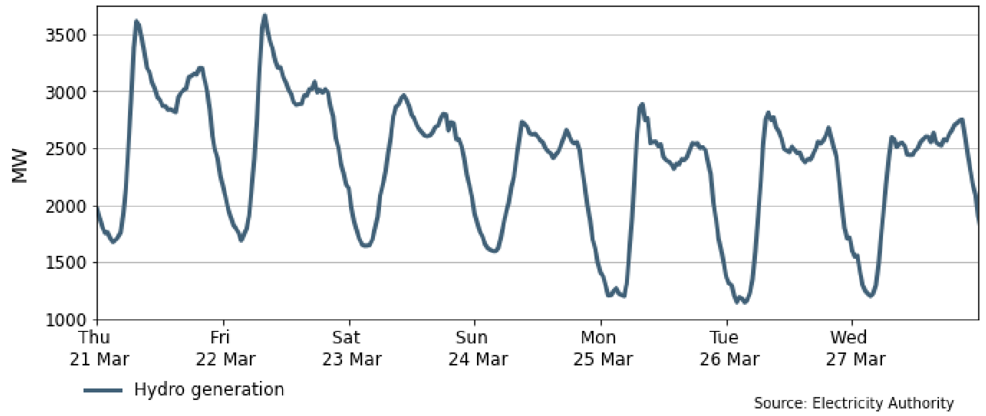

Figure 2: Hydro storage and Electricity Risk Curves

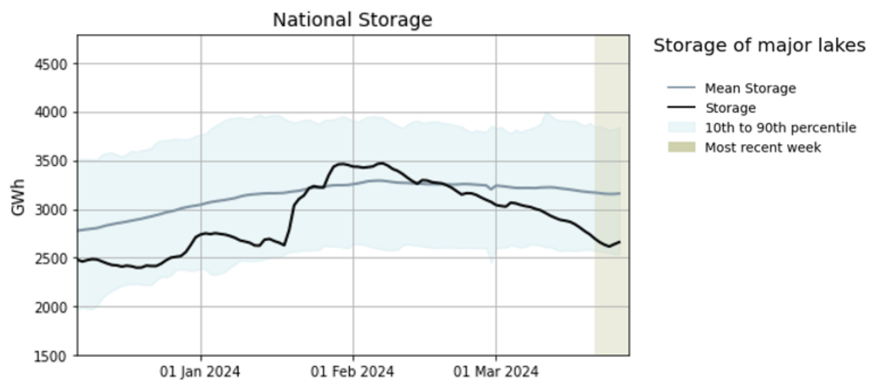

Figure 3: Generation by type on outage

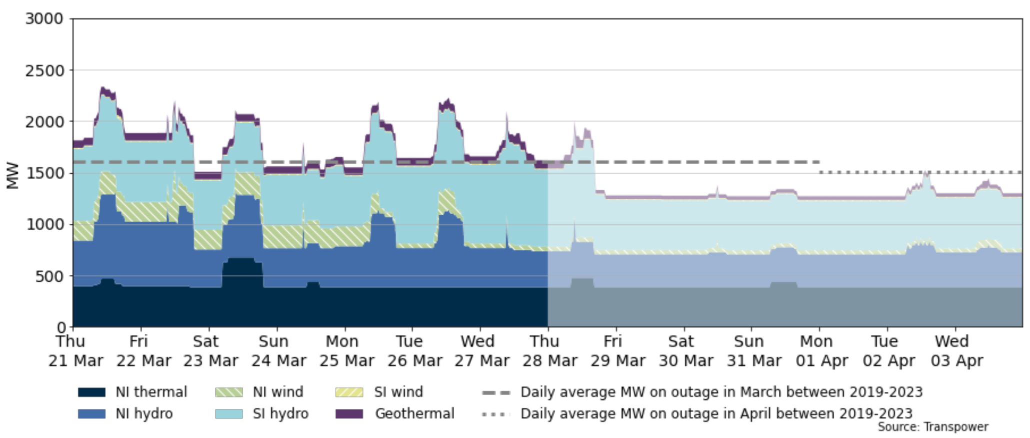

Table 1: Notable planned outages (active 28 March)

Plant	MW Loss	Start	End
Huntly Rankine 1	240	3-Feb-24	29-Apr-24
Tokaanu	240	28-Mar-24	28-Mar-24
Manapouri	128	13-Nov-23	6-Dec-24
Clyde	116	12-Feb-24	5-Apr-24
Stratford Peaker 2	100	28-Aug-23	1-May-24