

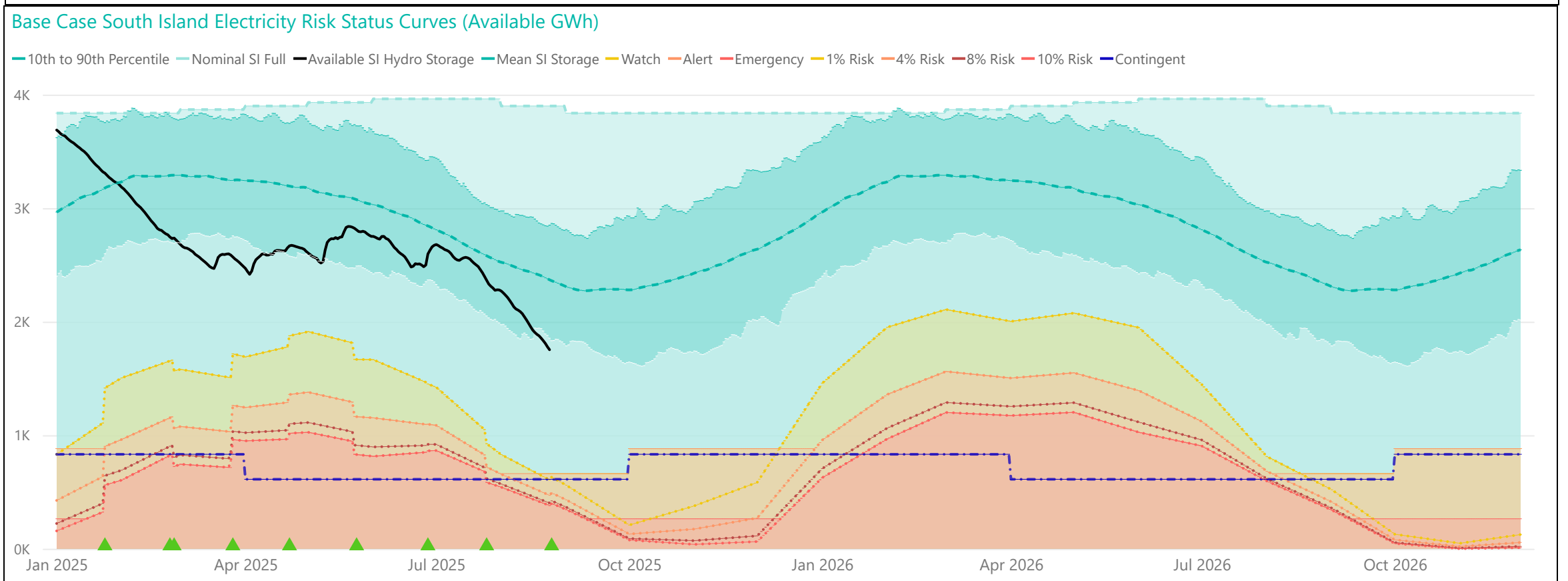
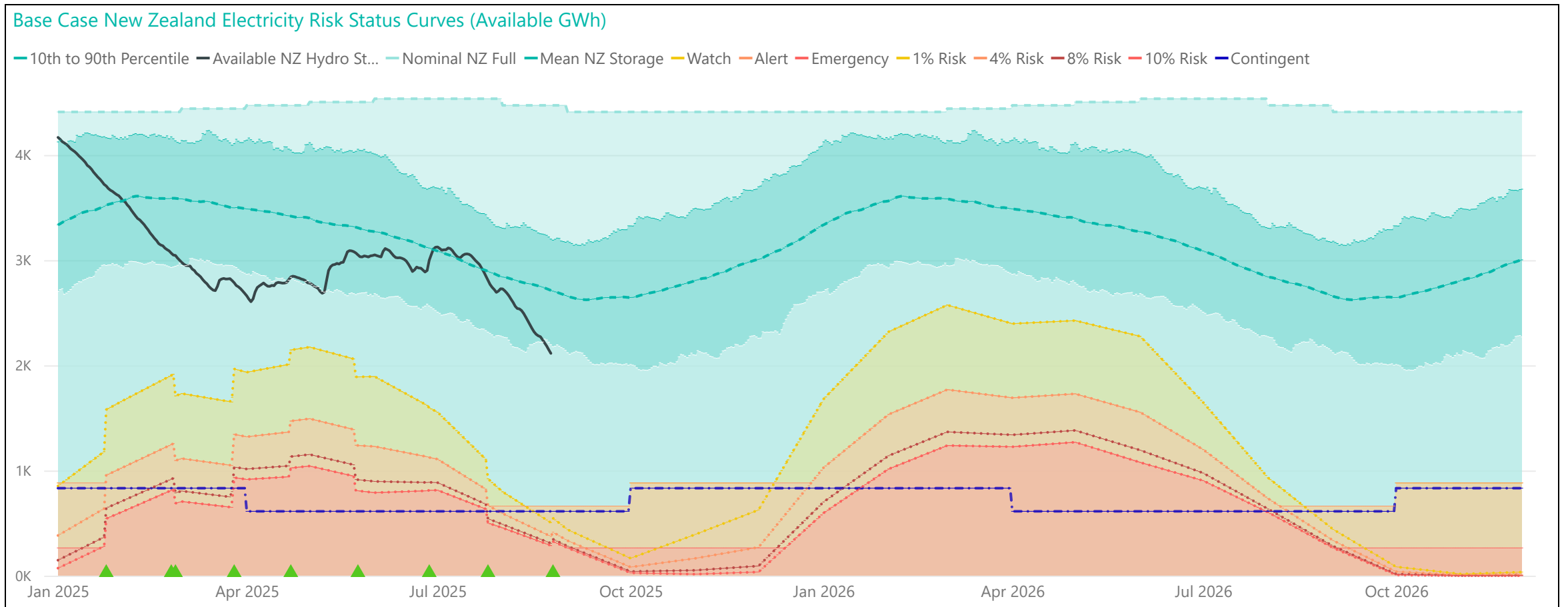
August 2025 Energy Security Outlook

Monday, 25 August 2025

- The national controlled hydro storage position has declined rapidly since last month's update and sits at 77% of the historic mean at 25 August (down from 98% at 24 July). South Island storage is lower at 74%.
- The Electricity Risk Curves (ERCs) have lifted for the first half of 2026 relative to the July update, predominantly due to a decrease in the gas production forecast. There was little change to the risk curves for the remainder of 2025 when the curves are set by the Alert and Emergency floors reflecting energy held in contingent hydro storage.
- No Simulated Storage Trajectories (SSTs) cross the Watch curve in 2025. Eight of the 93 SSTs cross the Watch curve in January-July 2026. This assumes the third Rankine unit retires in January 2026 and the market supplements the existing coal stockpile at its maximum import capability to maintain increased thermal generation during low hydro inflows.
- The market response earlier in 2025 to reduce hydro storage risk continues to be effective in limiting the impact of a rapid decline in hydro storage levels in recent weeks. Looking ahead to winter 2026, the risk to electricity supply can be decreased through hydro storage management and ensuring sufficient backup thermal fuel and capacity to support increased thermal generation under extended periods of low inflows.
- In this month's scenario we look at the impact on the ERCs if the third Rankine unit were to remain available in 2026, which is currently awaiting [Commerce Commission](#) approval. This lowers the NZ Watch curve by up to 680 GWh and results in no SSTs crossing any ERCs.

Base Case - Electricity Risk Curves (ERCs) Updates and Assumptions

- A decrease to the forecast gas production over the first half of 2026.
- A slight decrease in Ahuroa gas storage, and an increase to the current coal stockpile.
- TCC has been modelled with an estimate of remaining operating hours, based on information from Contact.
- Updates to planned generator outages and upcoming commissioning dates.
- Input data was prepared as of 12 August. The current hydro storage level is as of 25 August



Energy Security Outlook Explanation:

[Energy Security Outlook 101](#)

Watch Curve - The one percent risk curve.

Alert Curve - The maximum of the four percent risk curve and the floor.

Emergency Curve - The maximum of the 10 percent risk curve and the floor.

Official Conservation Campaign Start - See cl. 9.23 of the code.

Official Conservation Campaign Stop - See cl. 9.23A of the code.

Triggers and actions of Watch/Alert/Emergency status are set only by the official base case curves (not scenario curves).

Note: The floor is equal to the amount of contingent hydro storage that is linked to the specific electricity risk curve, plus any contingent hydro storage linked to electricity risk curves representing higher levels of risk of future shortage, and the buffer. The default buffer is 50 GWh.

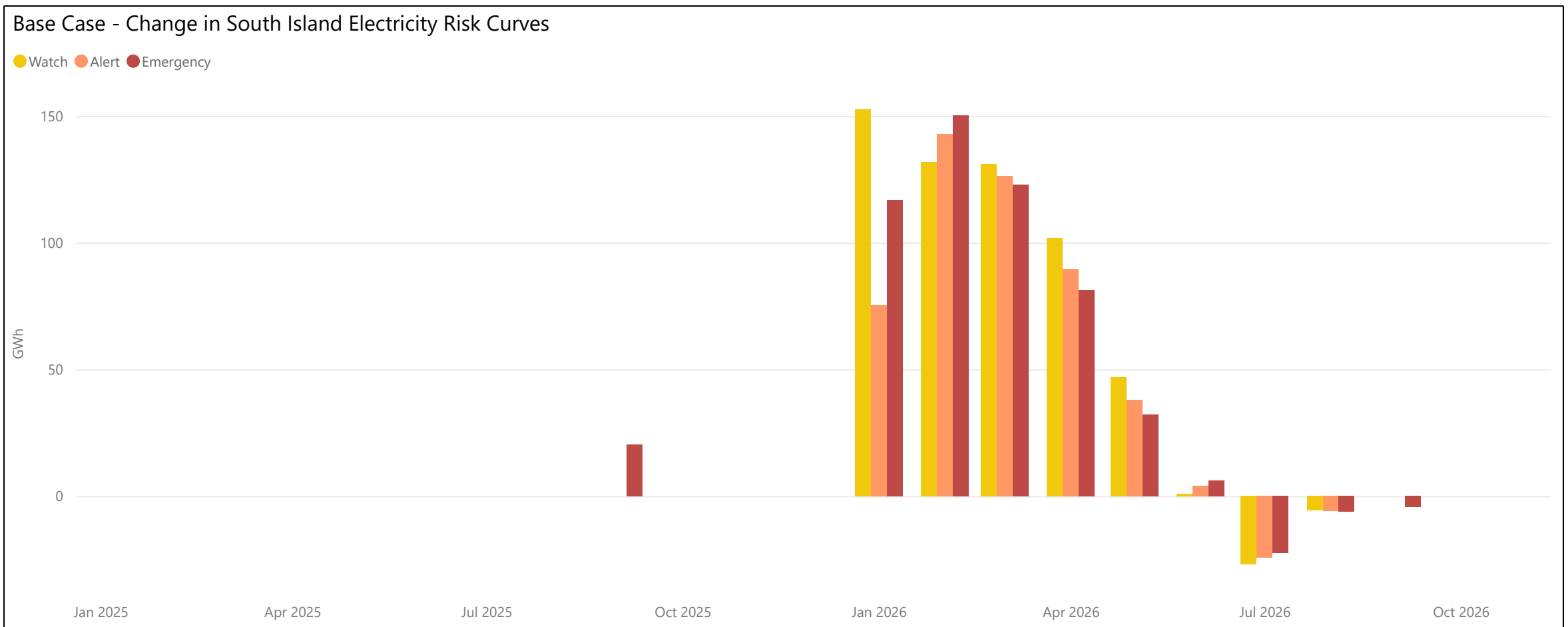
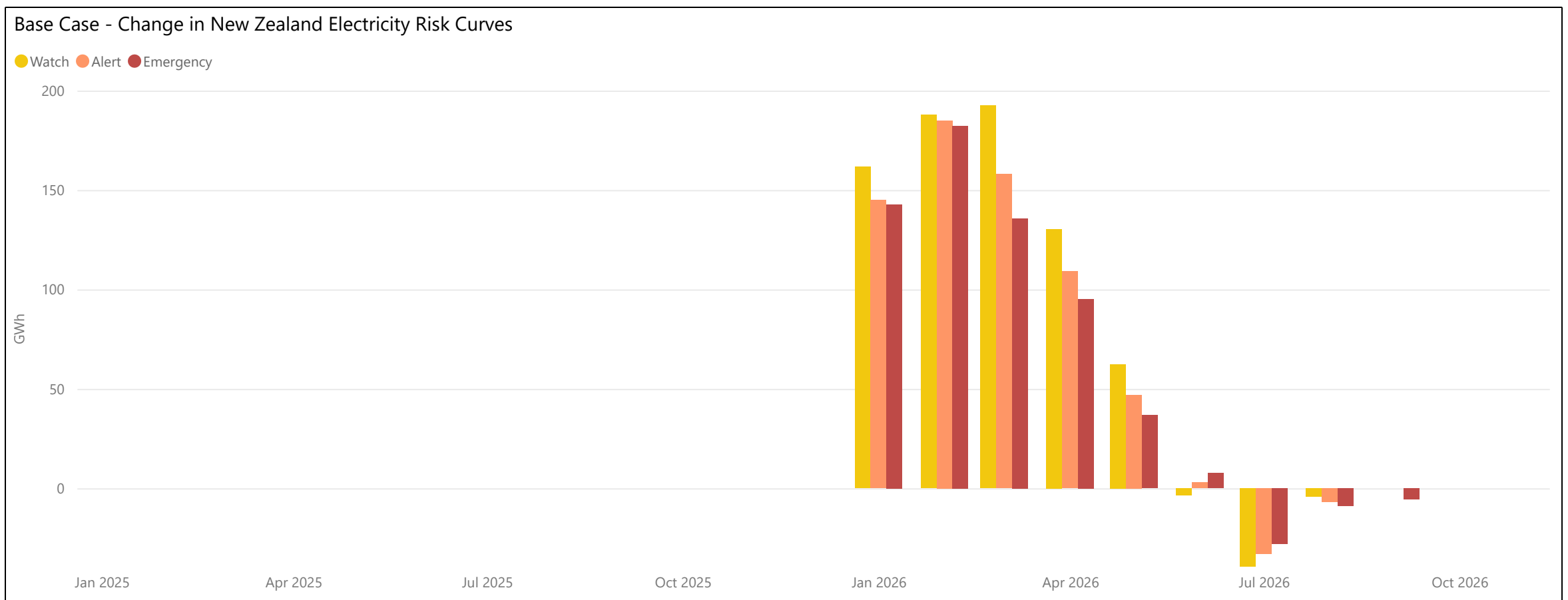
Base Case - Changes in the Electricity Risk Curves From Previous Update

▲ Monday, 25 August 2025

The changes to the Watch/Alert/Emergency curves compared to the last update are shown below.

The most significant change in this update to the ERCs is the decrease in modelled thermal generation capability over the first half of 2026 as a result of decreased gas production forecasts. As a result, the ERCs have increased in the first half of 2026 as there is a net increase in hydro storage drawdown relative to the last update. There is a slight decrease in risk in the second half of 2026 due to some added generator commissioning. There is little change to the ERCs in the remainder of 2025 as this is the period when the ERCs are set by the Alert and Emergency floors.

The New Zealand Watch curve increased by up to 190 GWh (in March 2026), while the Emergency curve increased by up to 180 GWh (in February 2026). The South Island Watch curve increased by up to 150 GWh (in January 2026) while the Emergency curve increased by up to 150 GWh (in February 2026).

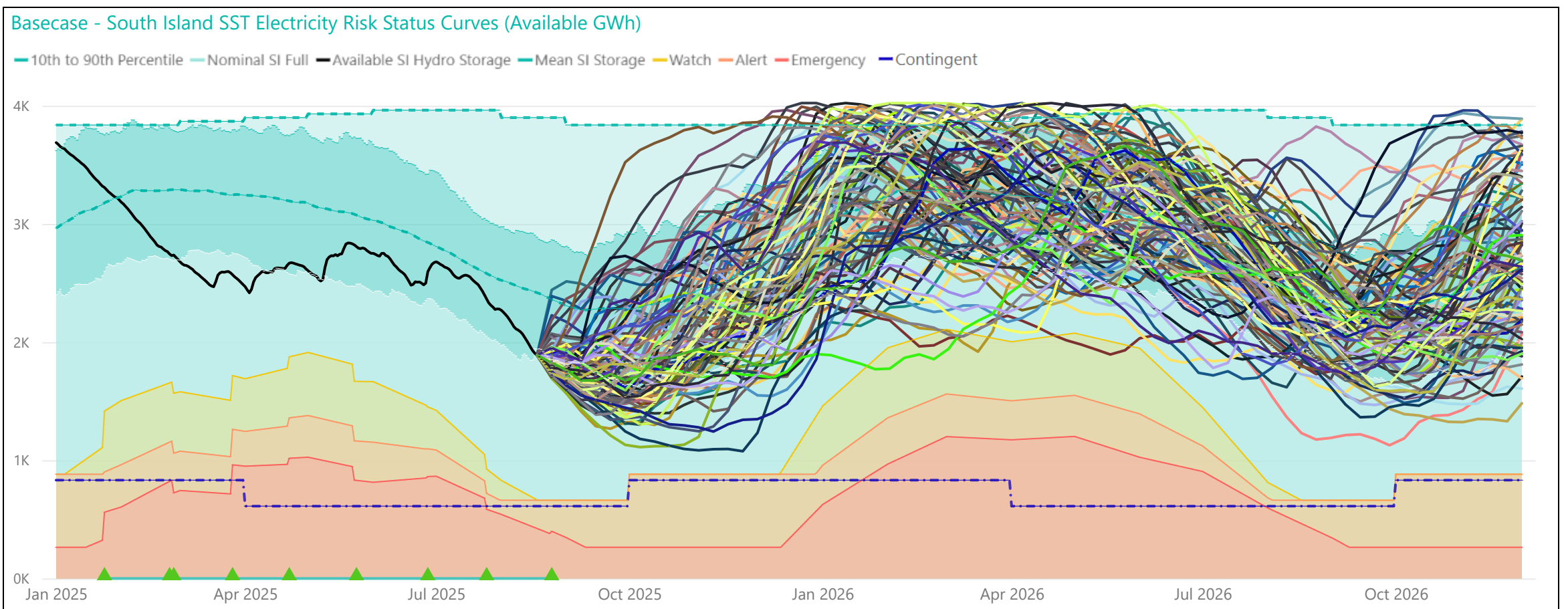
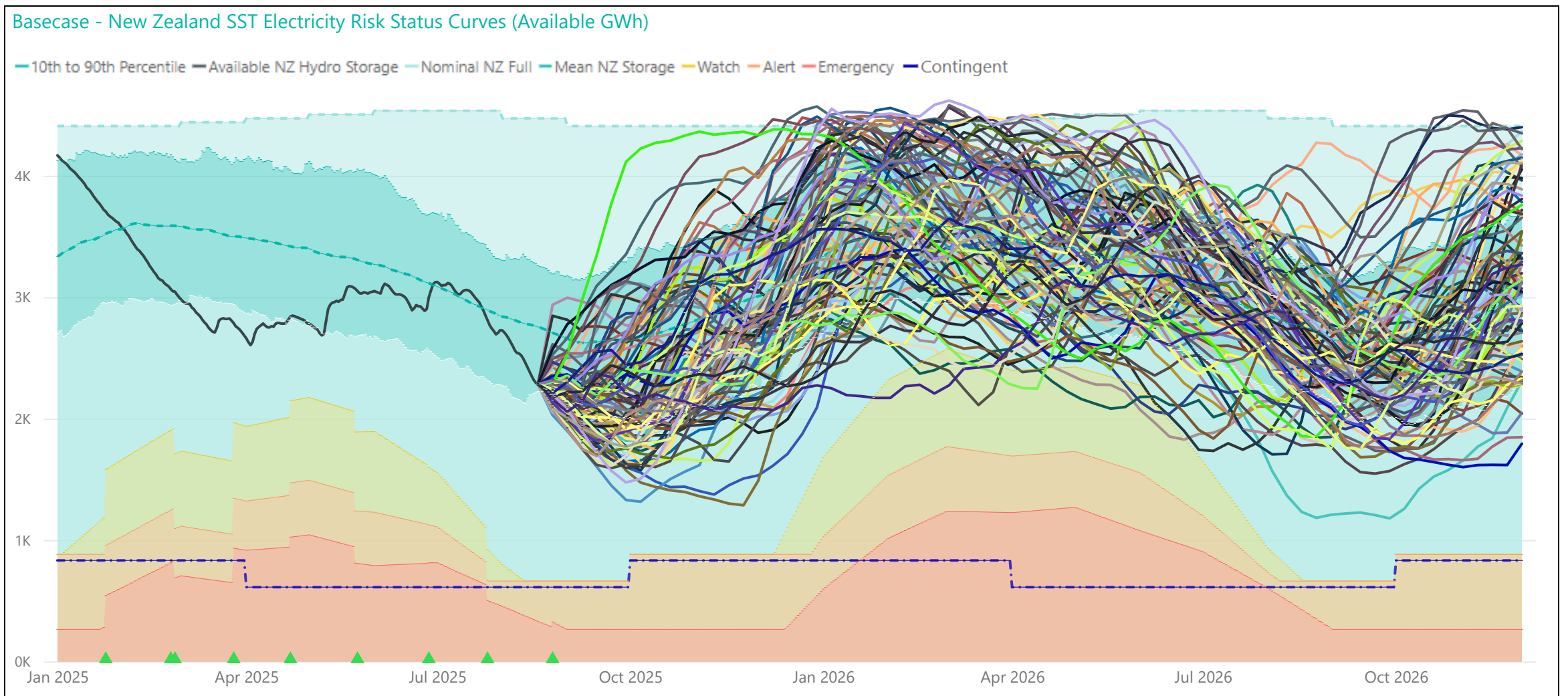


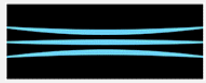
Base Case - Simulated Storage Trajectories (SSTs)

▲ Monday, 25 August 2025

The August SST update is shown below:

- No SSTs cross the NZ Watch status curve in 2025. Eight of the 93 modelled SSTs cross the NZ Watch status curve in 2026.
- No SSTs cross the NZ Alert status curve in 2025 or 2026.
- No SSTs cross the South Island Watch status curve in 2025. Four of the SSTs cross the South Island Watch status curve in 2026.
- No SSTs cross the South Island Alert status curve in 2025 or 2026.



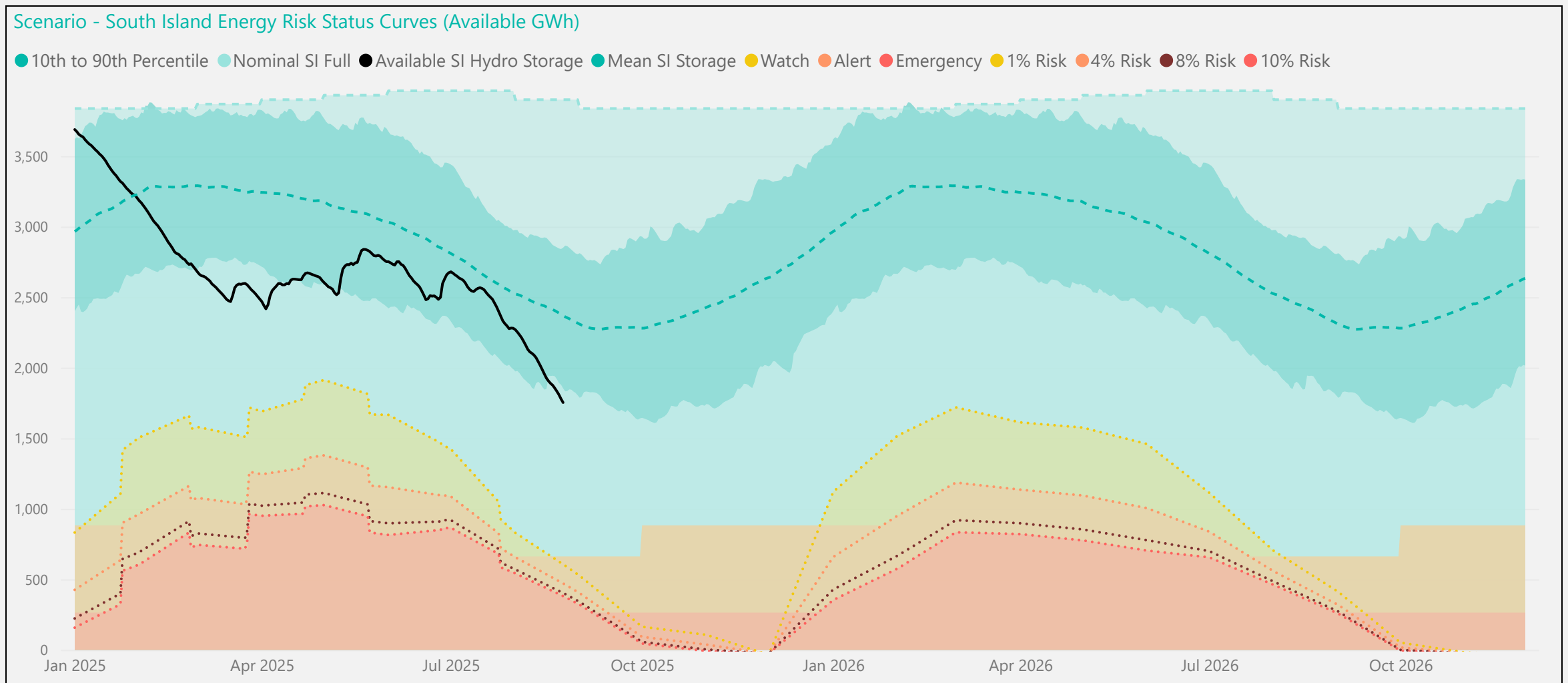
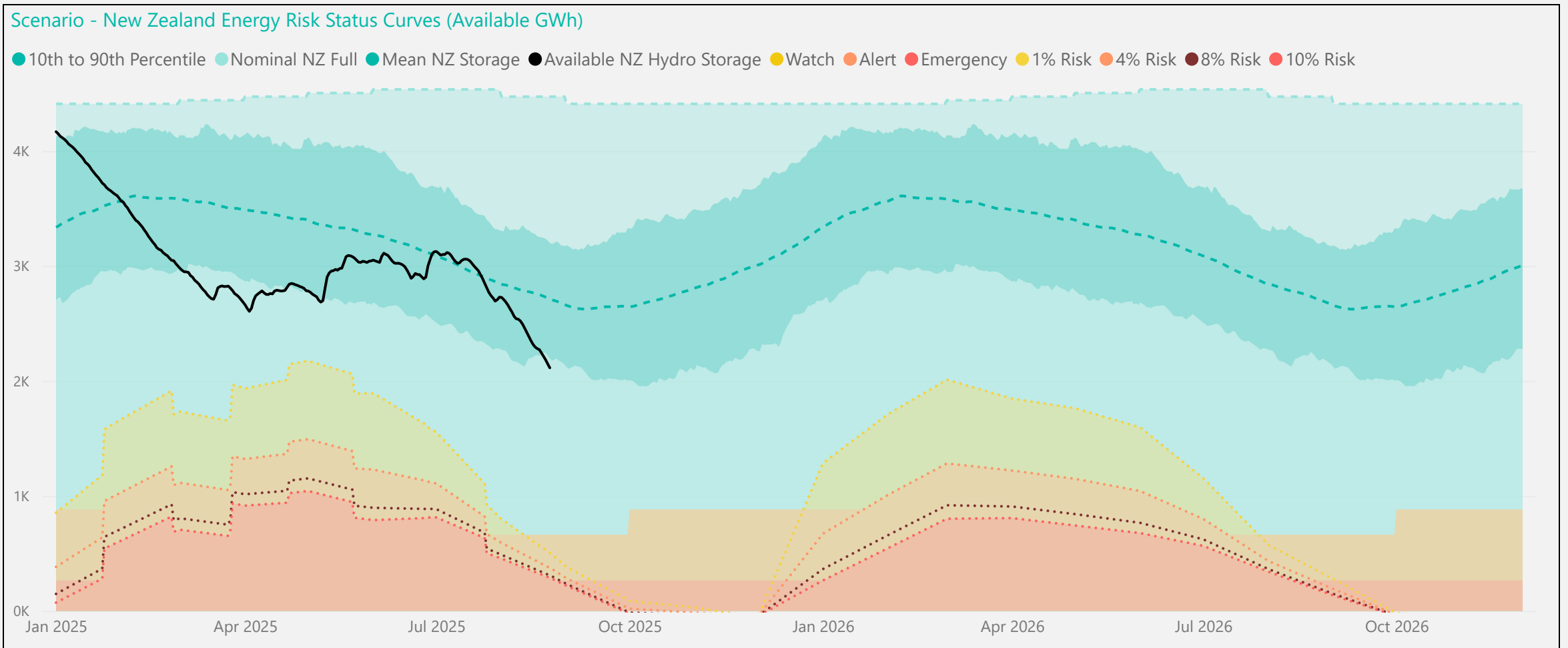


August 2025 Rankine Remains Scenario - Electricity Risk Curves

Our base case Electricity Risk Curves (ERCs) for August assume that a Rankine unit at Huntly will be retired in January as indicated in Genesis's [FY25 Q3 Performance Report](#). This scenario examines the impact on ERCs (relative to the base case assumptions) if all three Rankine units were to remain available. This lowers the New Zealand Watch curve by up to 680 GWh in June 2026 and results in no SSTs crossing the Watch curve in 2026, where eight SSTs crossed it under the base case.

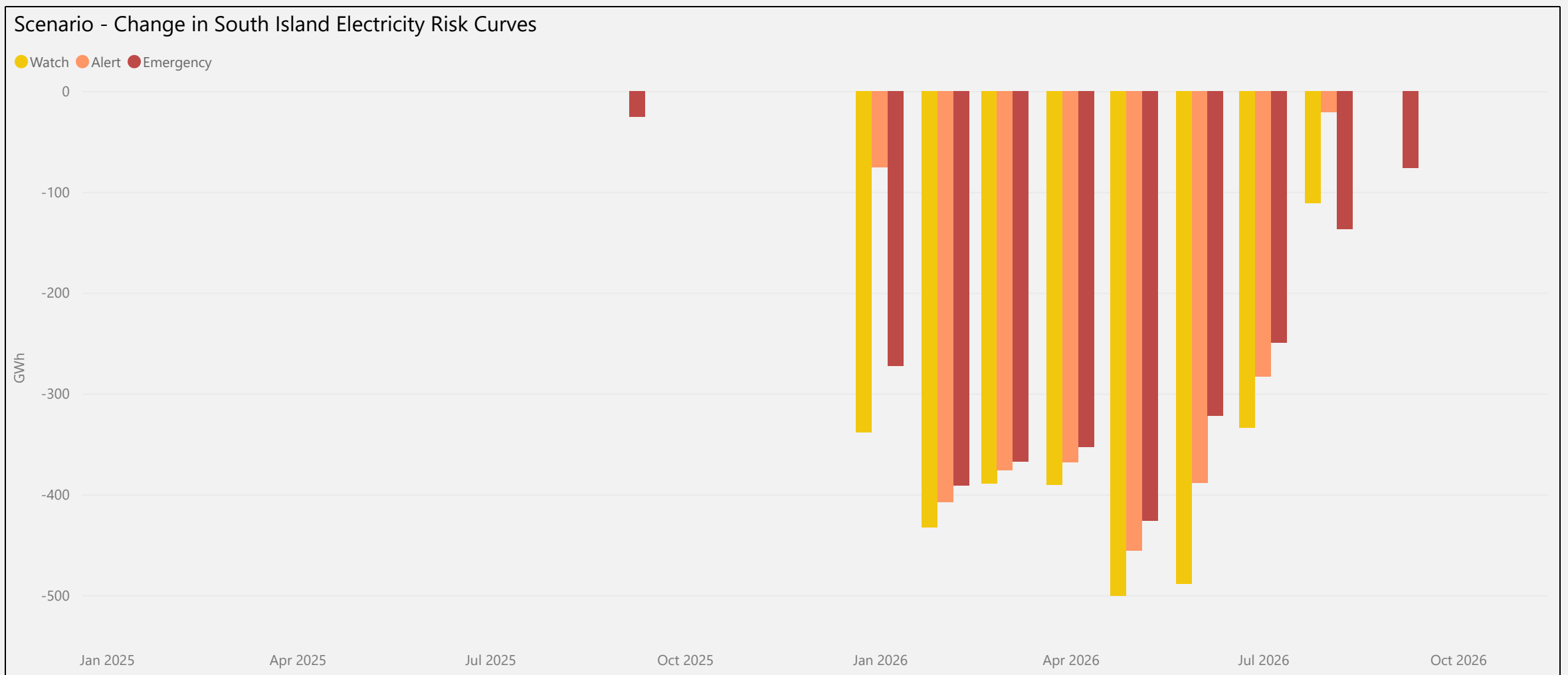
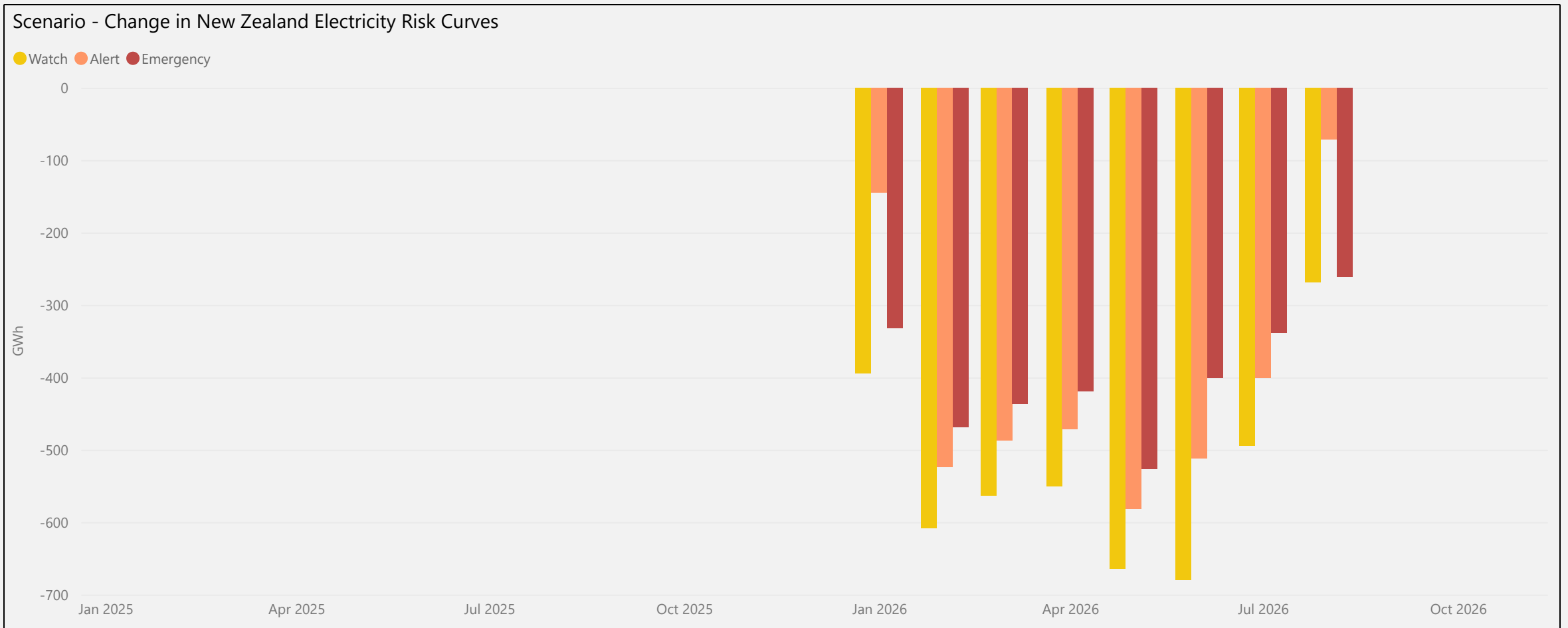
We note on 4 August [Genesis announced](#) that the major gentailers had signed an agreement to support national energy security through Huntly capacity, including the third Rankine unit. However this remains subject to [Commerce Commission](#) approval, so in the mean time our base case assumes the unit is planned for decommissioning.

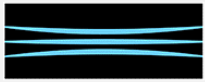
The August 2025 ERCs Scenario is shown below.



Scenario - Changes in the Electricity Risk Curves from the Base Case

The changes to the scenario Watch/Alert/Emergency curves compared to the base case are shown below. The decrease in the curves over 2026 is the result of all three Huntly Rankine units remaining available (versus one being retired in January 2026 in the base case)





Scenario - Simulated Storage Trajectories

The risk curves have decreased in the Rankine Remains scenario as this assumes the market has access to more thermal generation capacity. The decrease in risk curves results in no SSTs crossing any of the Watch, Alert or Emergency curves in 2025 or 2026.

