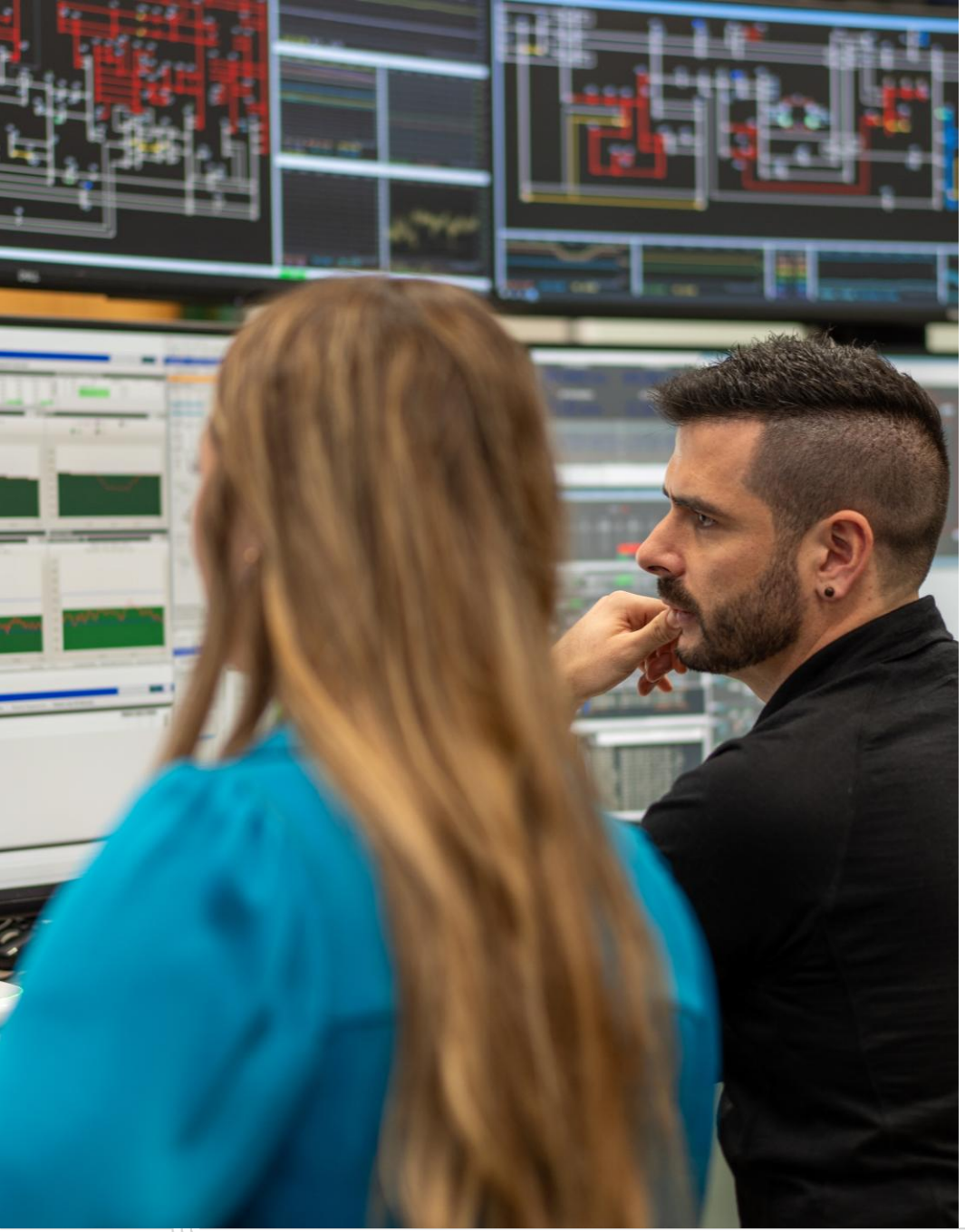
TRANSPOWER

System Operator Industry Forum

16 June 2026

Today’s agenda

- Key messages
- Market update
- NZGB update
- Outage update – next four weeks
- Operational update
- Consultations, publications and events
- Questions / Pātai



Key Messages

- National hydro storage remains well above average, contributing to lower thermal unit commitment.
- Huntly unit 5 gas has been reallocated over winter. This reduces capacity for large winter peaks. Note, thermal storage remains high.
- Capacity risks from June to August will require a combination of unit commitment, plant availability, and flexibility. Please keep POCP updated.
- Waiau catchment storage is up from its lower range now sitting at average.

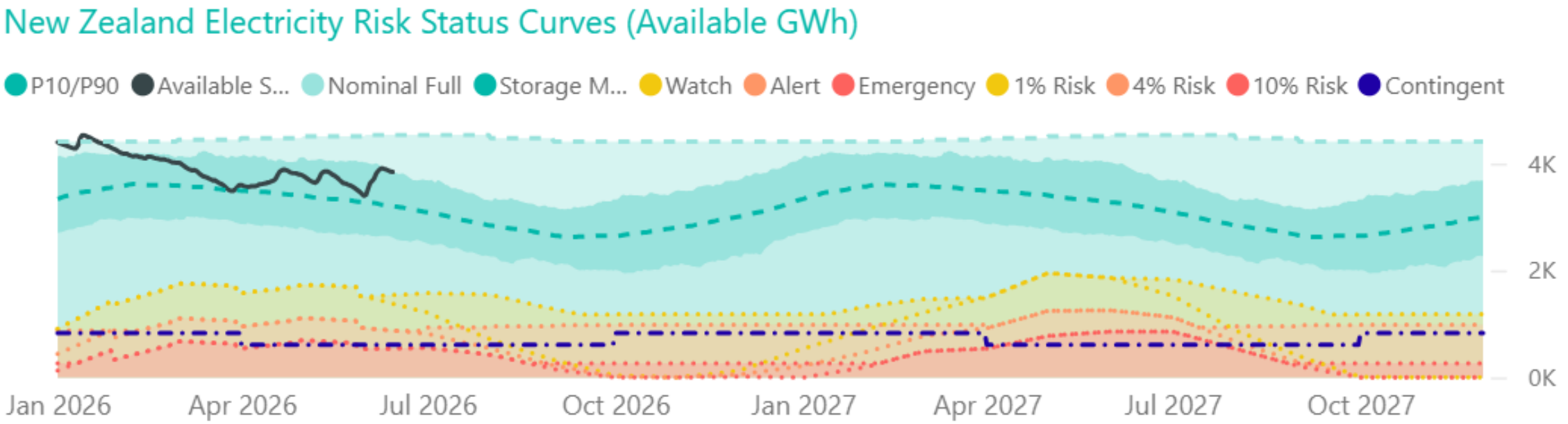
Market update

Energy: National hydro storage

National hydro storage levels remain healthy and have increased with higher than average inflows

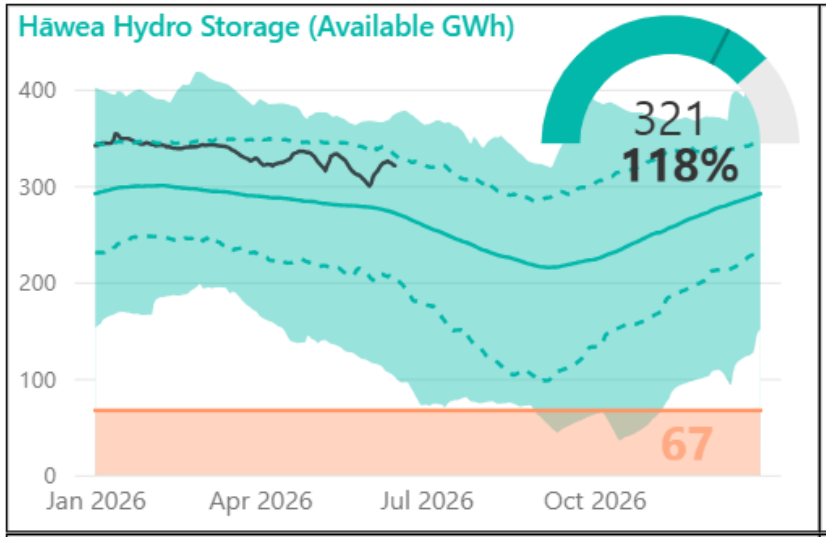
	Hydro storage level (% of mean ▲/▼)		
	New Zealand	South Island	North Island
Last forum	104%	99%	163%
Now	120% ▲	116% ▲	165% ▲

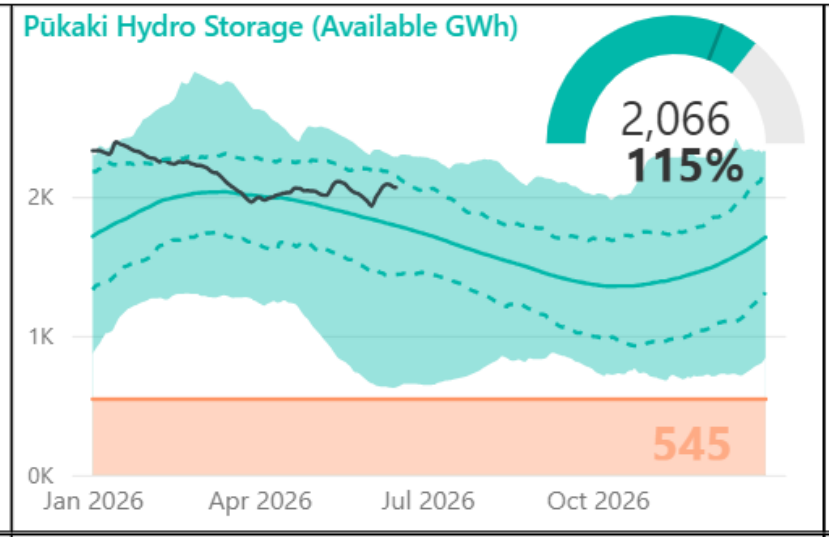
Note: these numbers include contingent storage, so they differ from those reported by NZX

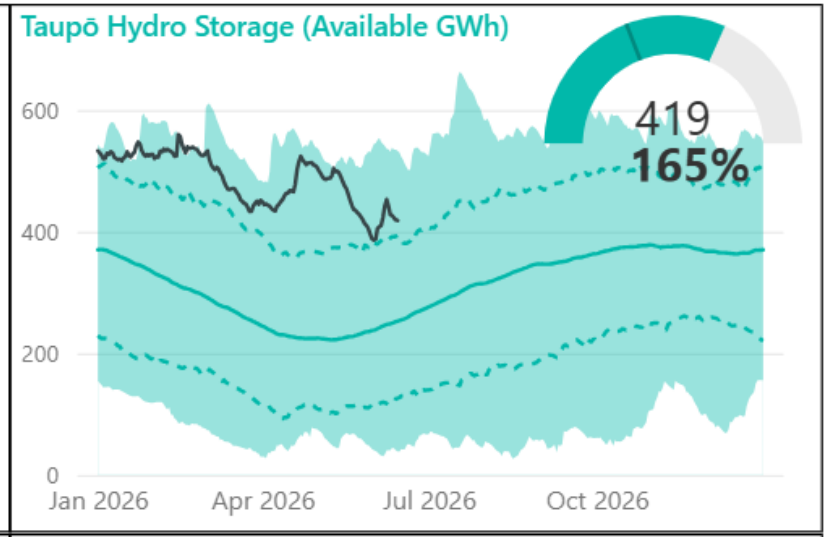


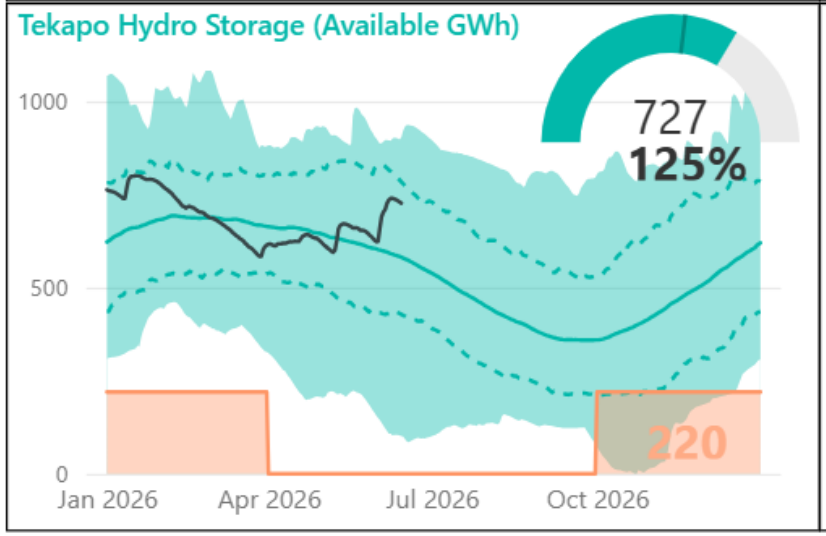
Available storage as at 14 June 2026

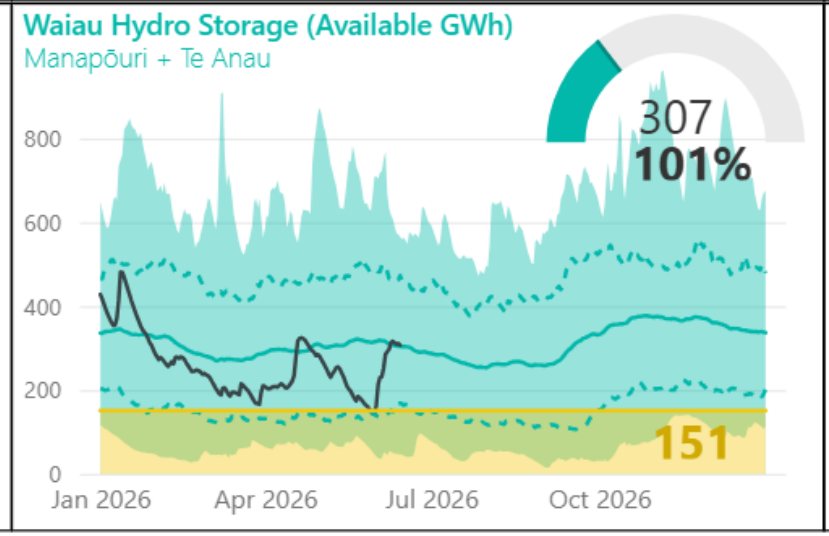
Hydro storage by catchment





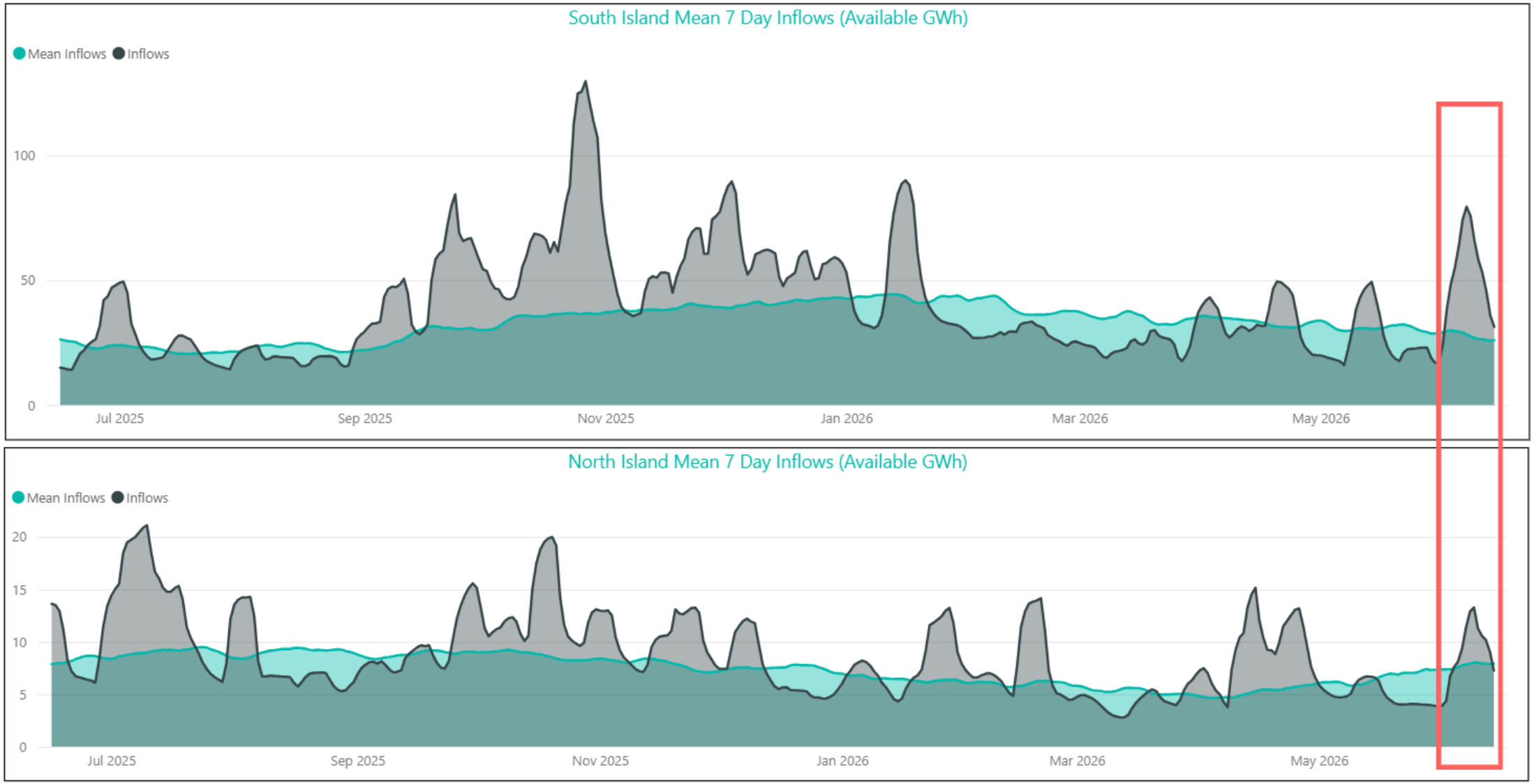






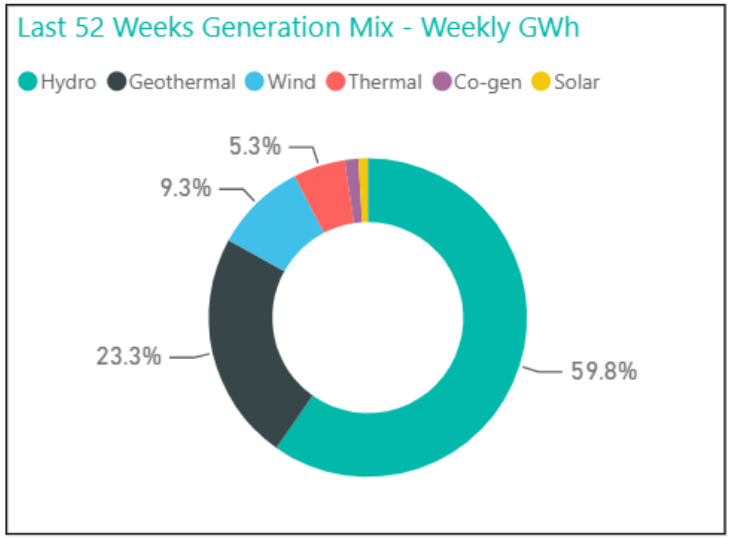
Lake	Storage (%)	Storage (GWh)	Historic Mean
Hāwea	118%	320.99	271.75
Manapōuri	100%	104.71	104.35
New Zealand	120%	3,839.64	3,203.12
Pūkaki	115%	2,066.24	1,792.70
South Island	116%	3,421.14	2,949.94
Taupō	165%	418.51	253.19
Te Anau	101%	202.13	199.79
Tekapo	125%	727.08	581.34

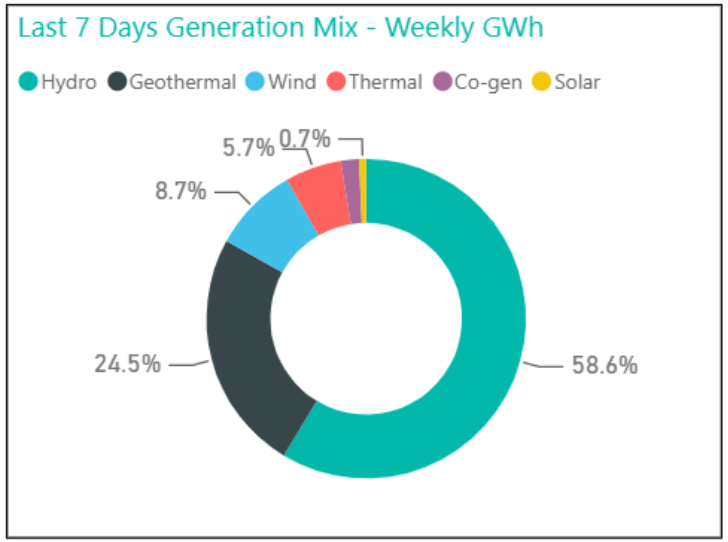
Hydro inflows

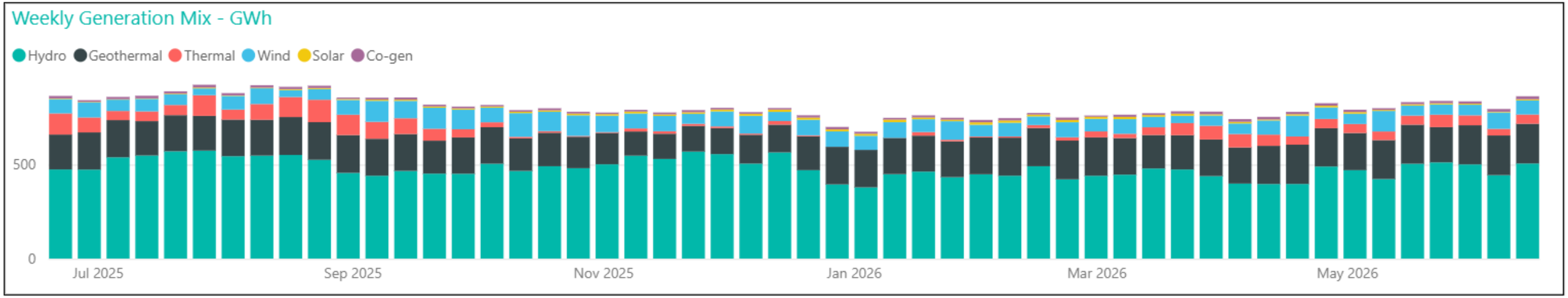


Generation mix

- Hydro generation at 59% of the mix – close to yearly average
- Near average wind generation at almost 9%
- Thermal generation just above its yearly average of 5%
- Geothermal remains above average at 25%

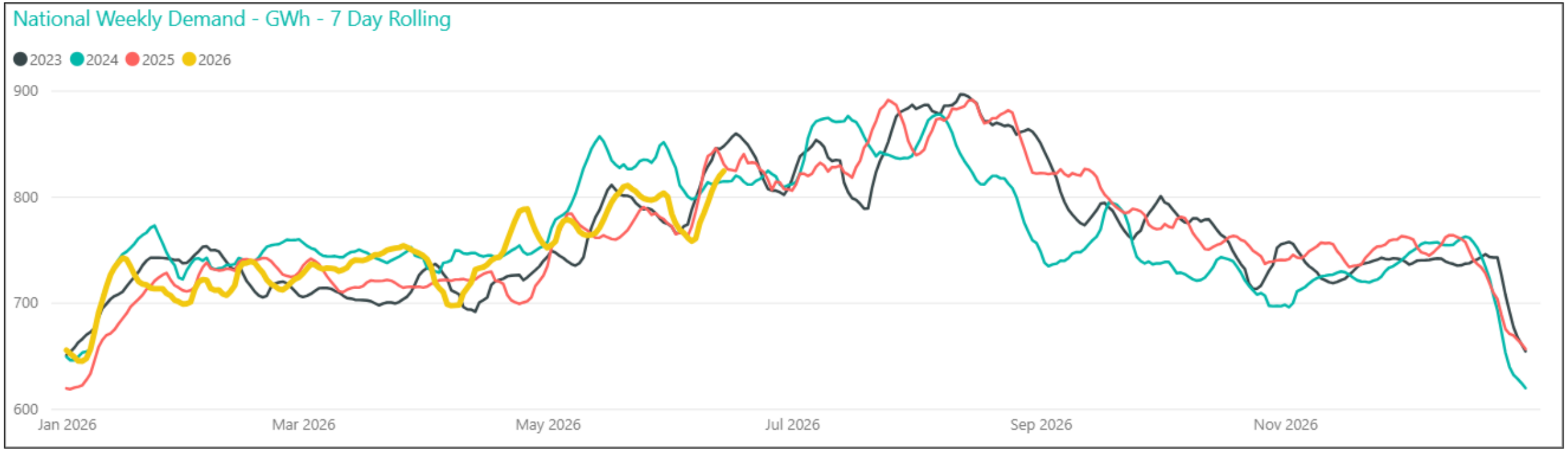






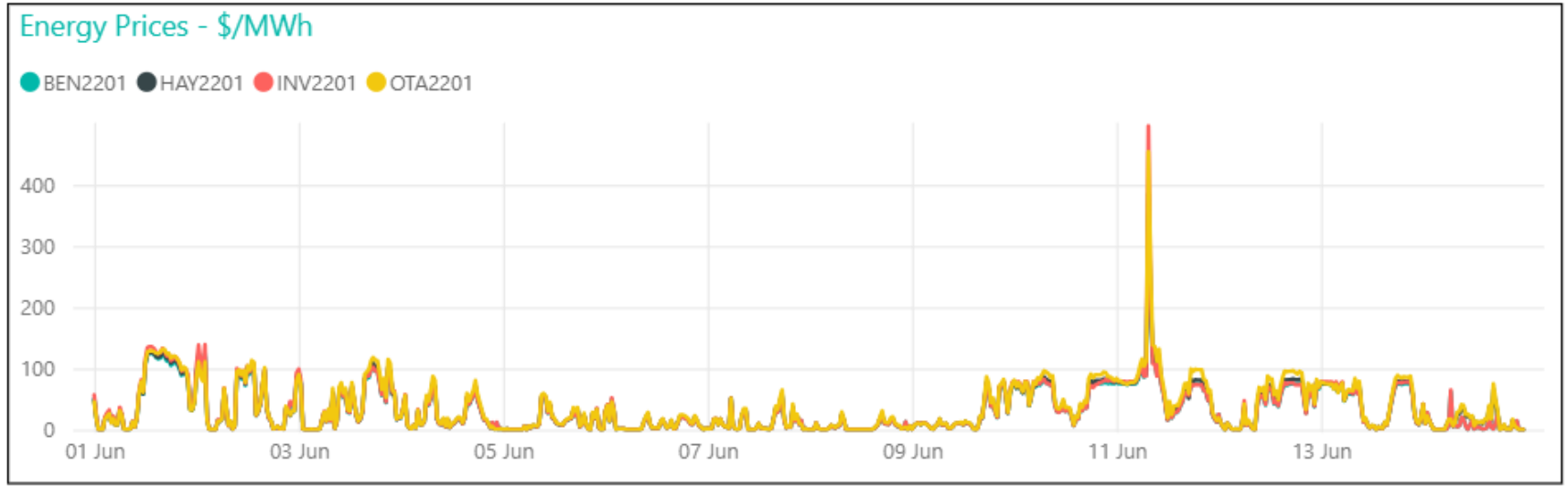
Demand

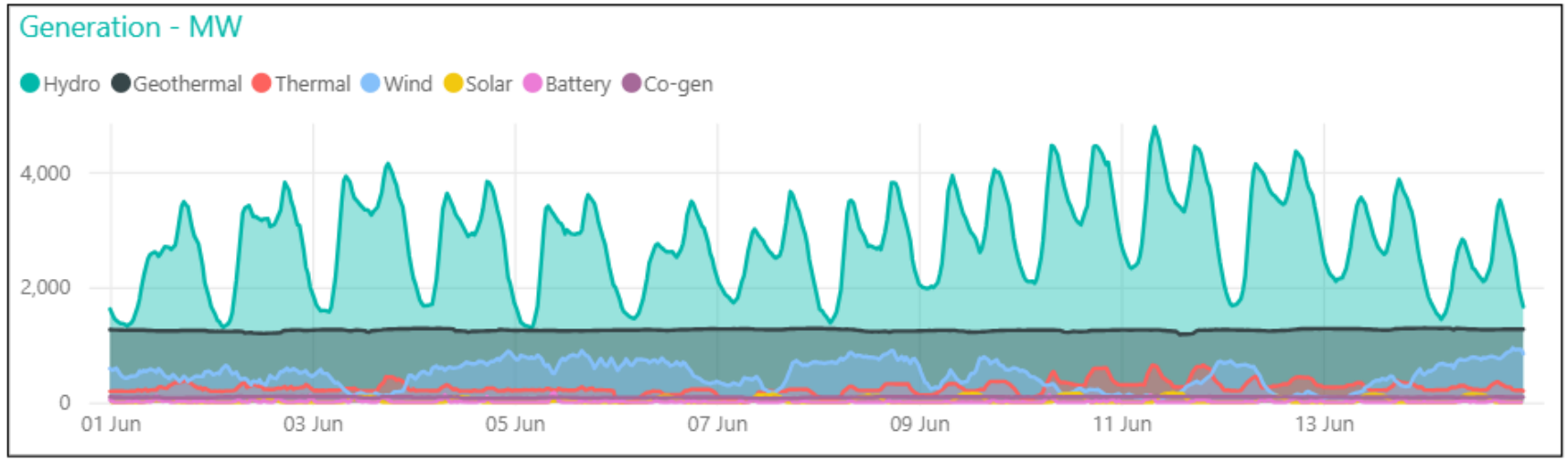
- Demand continues to increase with colder temperatures, significant increase from last week
- We are seeing tightening residual capacity periods due to demand increase, low wind and lower thermal commitment



Pricing

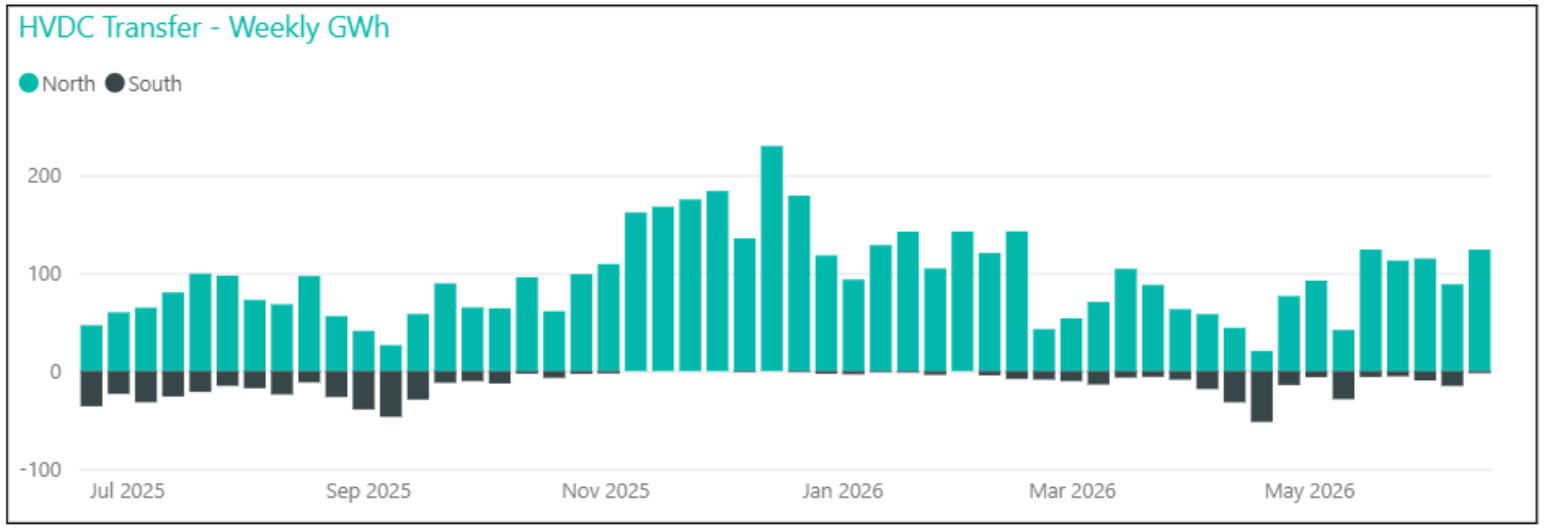
- Average price last week at Ōtāhuhu has decreased to $43/MWh from $131/MWh the week prior
- Peak of $496/MWh at Ōtāhuhu at 7:30 am on 11 June during a high demand and low wind period, peaking generation helped supply a high morning demand period
- We begin to see consistent high demand periods (as expected in winter) resulting in thermal units being switched on

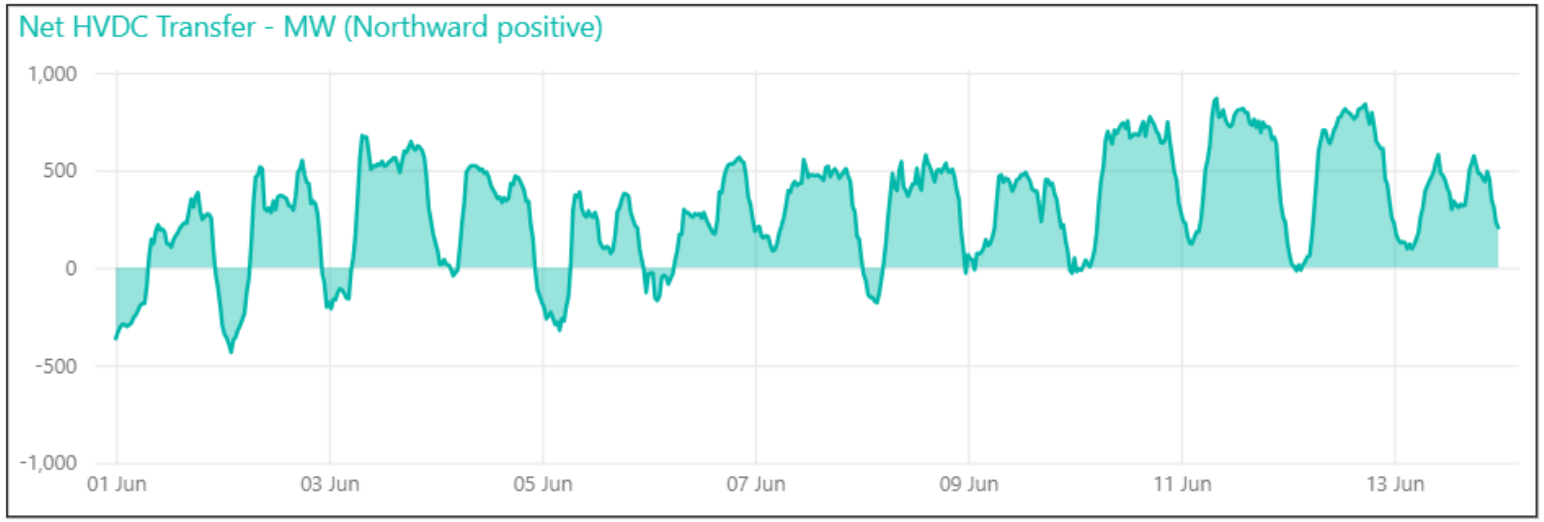




HVDC transfer

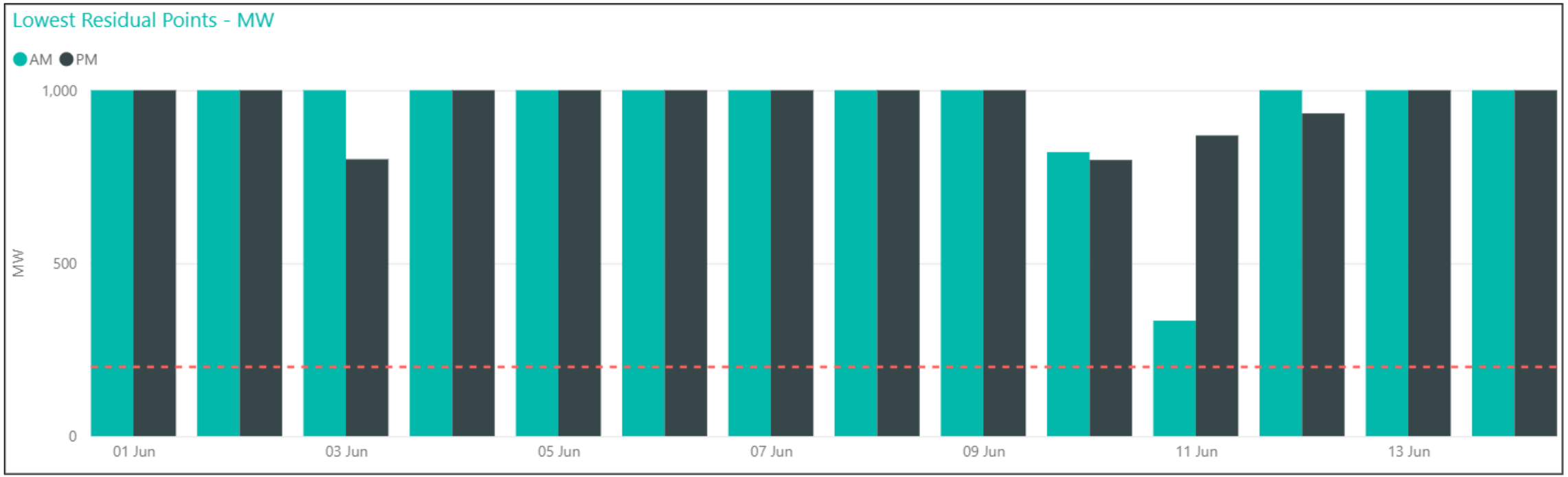
- HVDC transfer continues to be majority northward over the last two weeks
- In line with increasing demand periods and high hydro generation sending generation northwards





Capacity residual margins

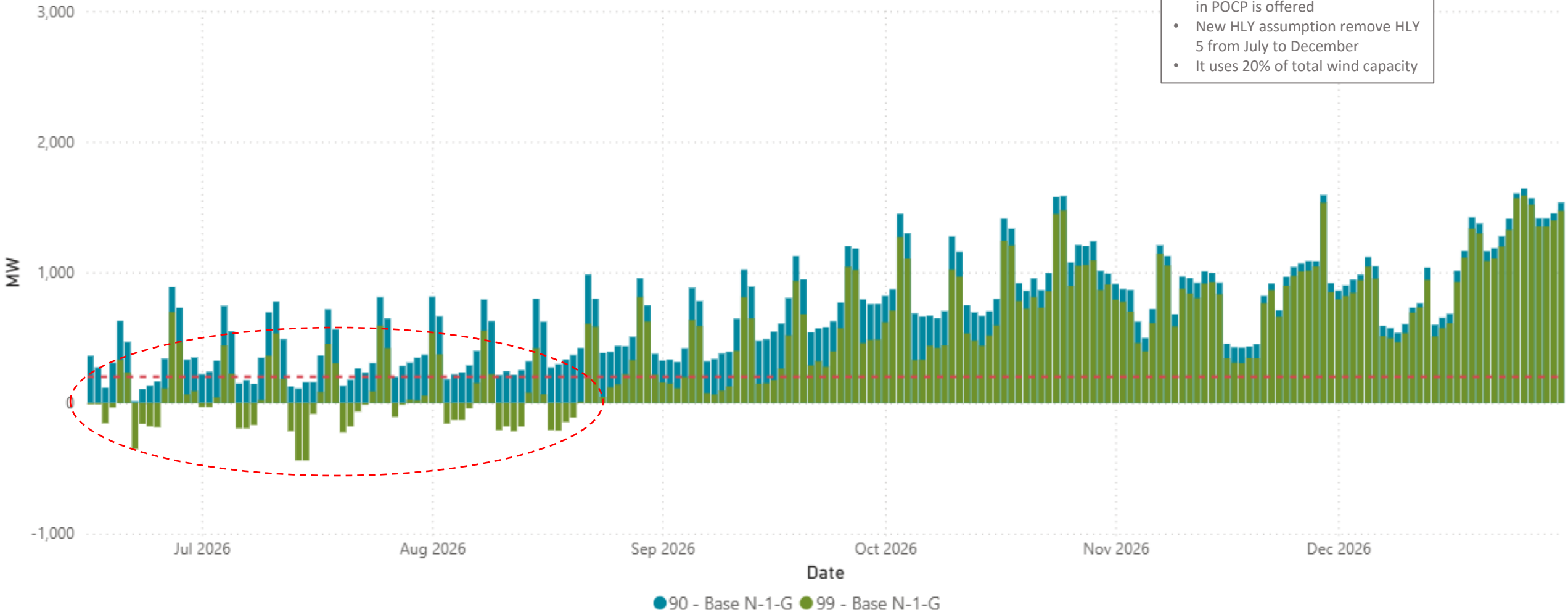
- Some lower residual periods due to increasing demand, low wind generation periods and low thermal commitment. Lowest residual was 334 MW during the morning peak on 11 June at 7.30am.
- We continue to monitor residual capacity as we move into winter



NZGB update

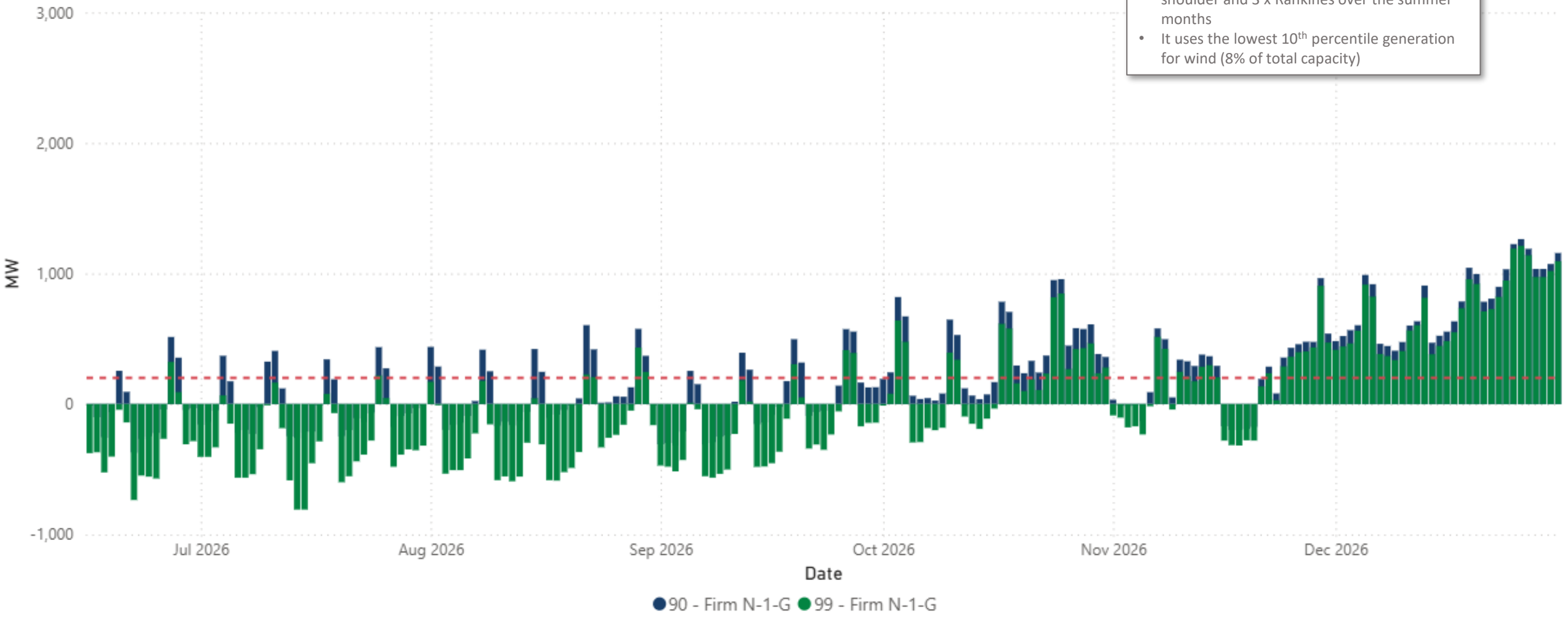
NZGB update: base capacity N-1-G

Base case capacity at 90%
- ***This triggers the CAN process***
- Assumes all generation available in POCP is offered
- New HLY assumption remove HLY 5 from July to December
- It uses 20% of total wind capacity

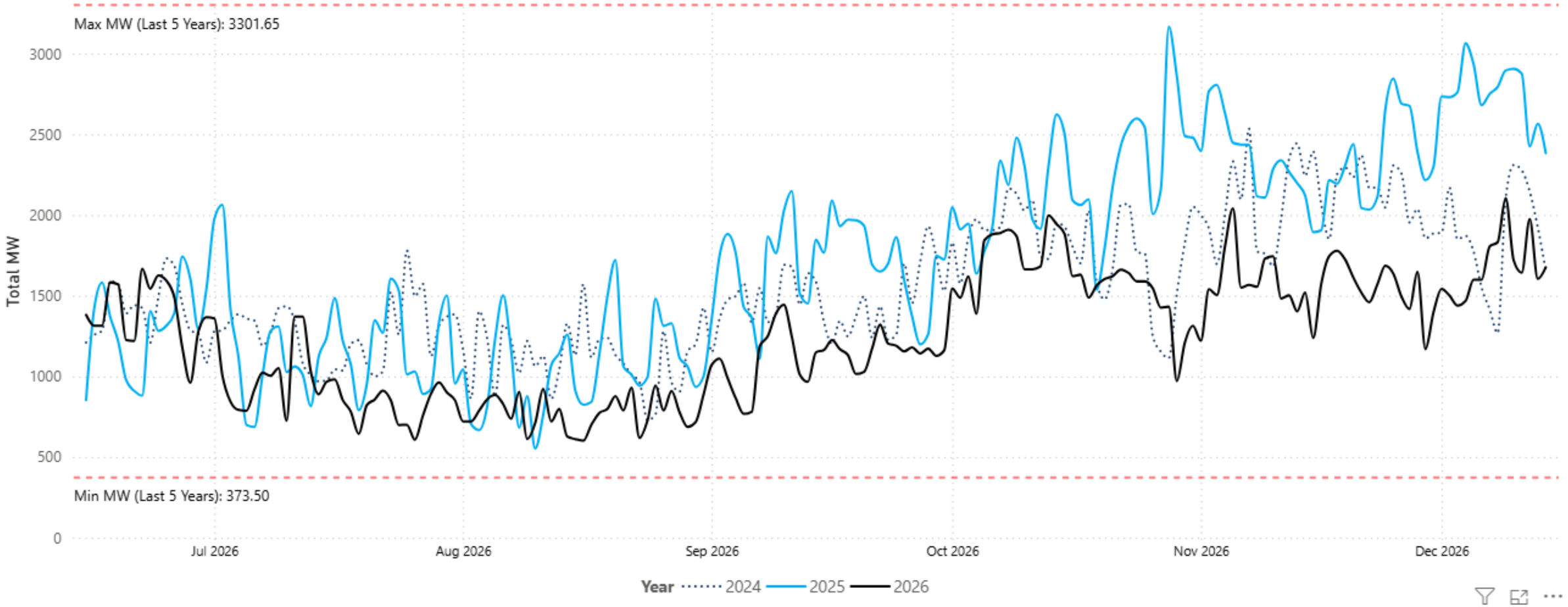


NZGB update: firm capacity only N-1-G

Firm capacity removes
- 1 HLY Rankine over winter, 2 x Rankines over shoulder and 3 x Rankines over the summer months
- It uses the lowest 10th percentile generation for wind (8% of total capacity)



POCP Generation Outages



Mean Difference (2025/2026)

-490.77 MW

Mean % Difference (2025/2026)

-23.58%

Date

15/06/2026 14/12/2026

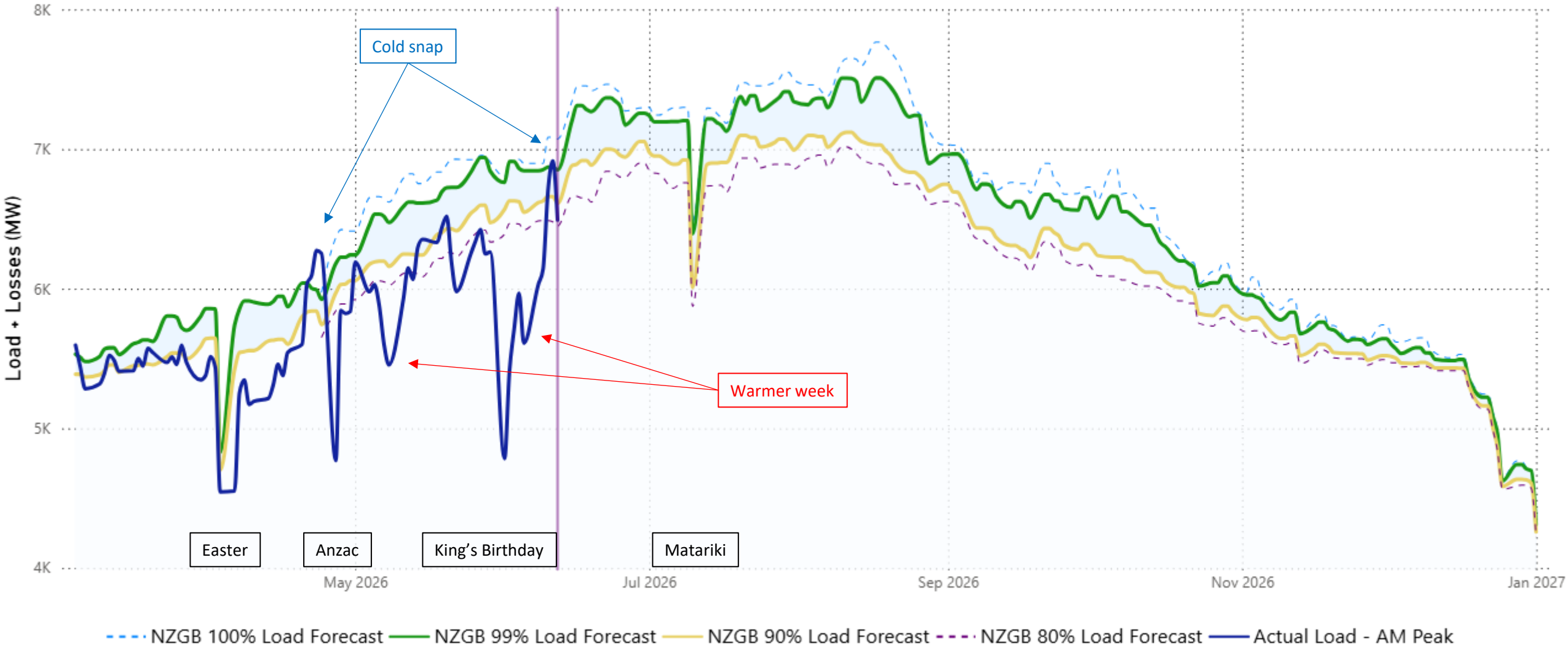
Year

2024

2025

2026

Peak Load vs Forecast



Outages next 4 weeks

Outages

NNI outages

SNI outages

SI outages

Asset owners:

- Check in POCP for detailed dates
- Consider the impact on your own outages

NNI Outages

Week of 22 June

- EDG_T5
- HEP_ROS_2
- HOB_WRD_1
- DRY_TAK_OTA_2
- MDN_T5

Week of 29 June

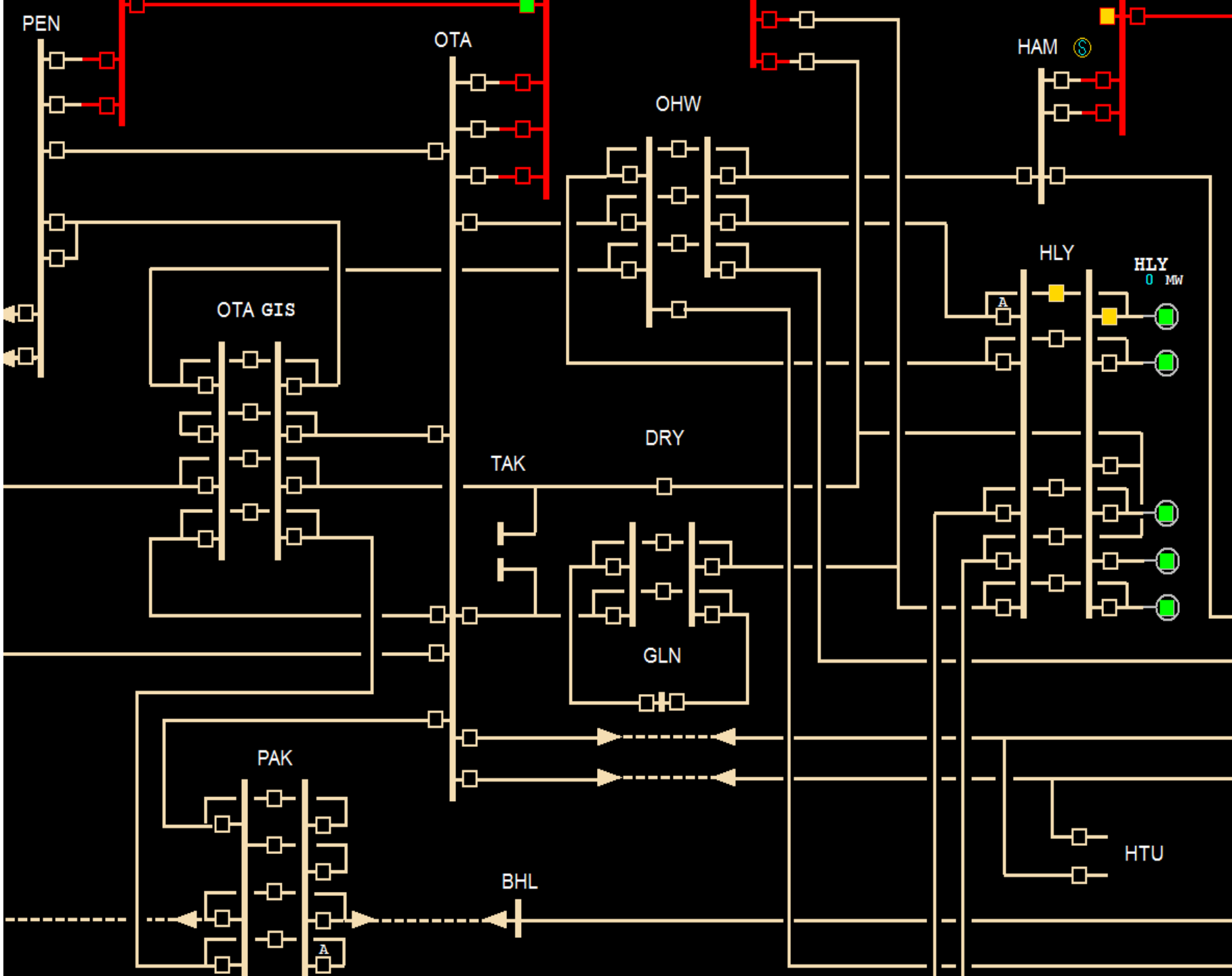
- EDG_T5
- HEP_ROS_2
- HOB_WRD_1
- DRY_TAK_OTA_2

Week of 6 July

- EDG_T5
- HEP_ROS_2
- HOB_WRD_1
- DRY_BOB_HLY_1

Week of 13 July

- EDG_T5
- HEP_ROS_2
- MNG_ROS_1
- OTA_ROS_2 (weekend)



SNI Outages

Week of 22 June

- BPE_PRM_HAY_1
- OHG Commissioning
- HWA_OHG_1

Week of 29 June

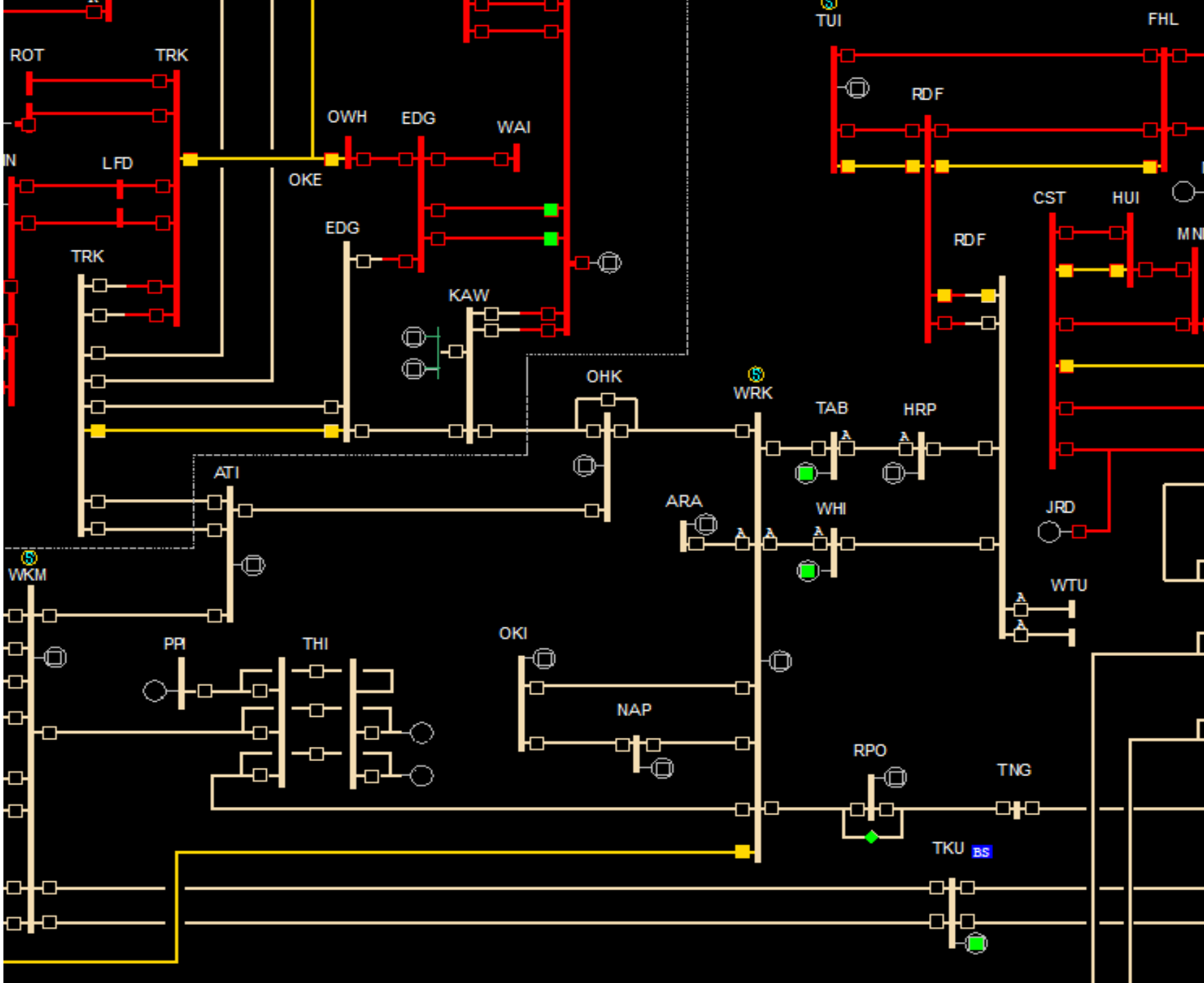
- HWA_OHG_1

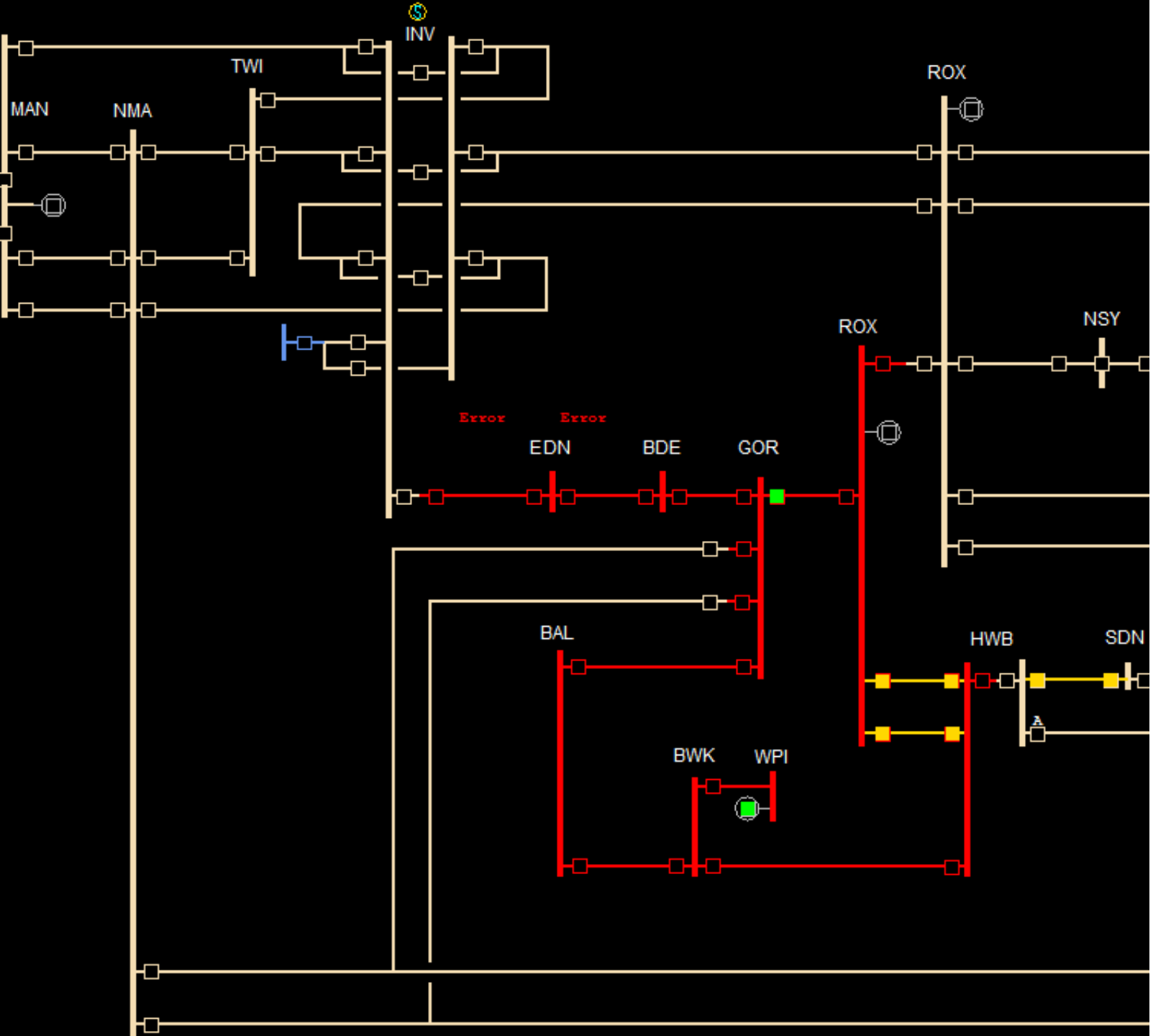
Week of 6 July

- HWA_OHG_1

Week of 13 July

- HWA_OHG_1
- NAP_WRK_2





SI Outages

Week of 22 June

- NMA_TWI_2
- EDN_INV_1
- HOR_KBY_ISL_2 (2.5 weeks)
- HOR_KBY_ISL_1 with HOR_KBY_ISL_2

Week of 29 June

- HOR_KBY_ISL_2
- HOR_KBY_ISL_1 with HOR_KBY_ISL_2

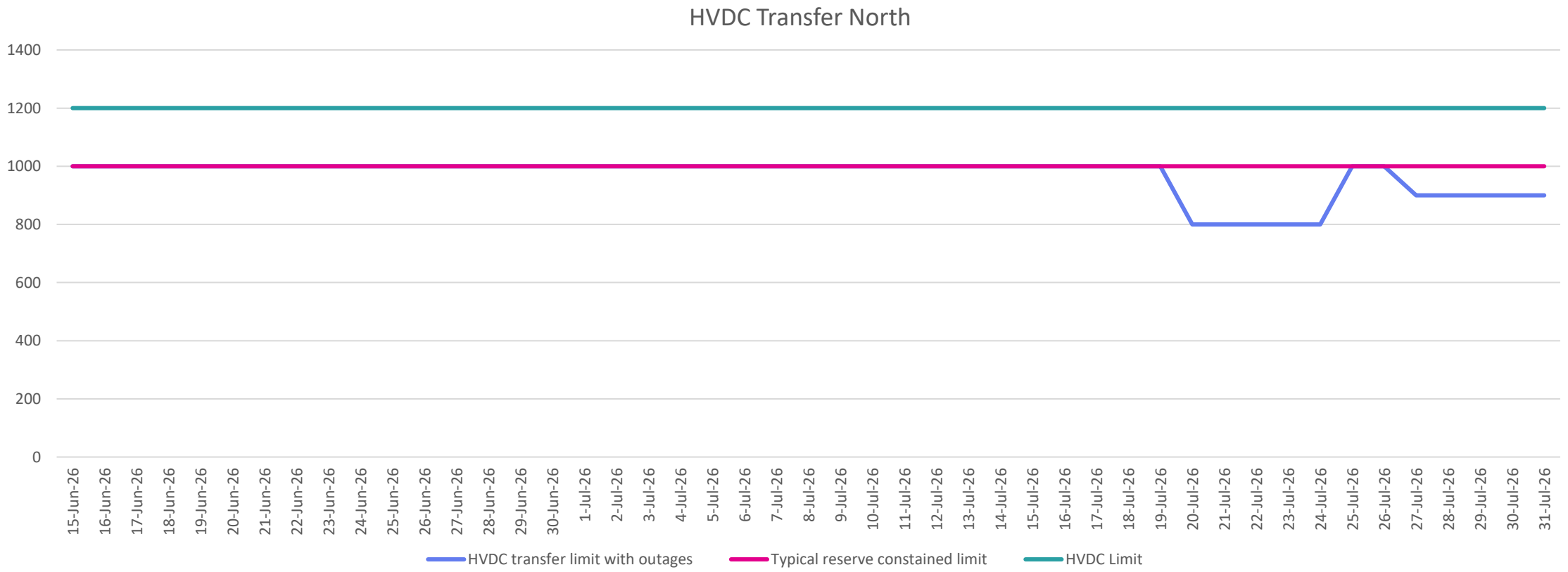
Week of 6 July

- HOR_KBY_ISL_2
- DOB_RFN_IGH_1

Week of 13 July

- HKK_OTI_2
- COL_OTI_2

HVDC North transfer limit



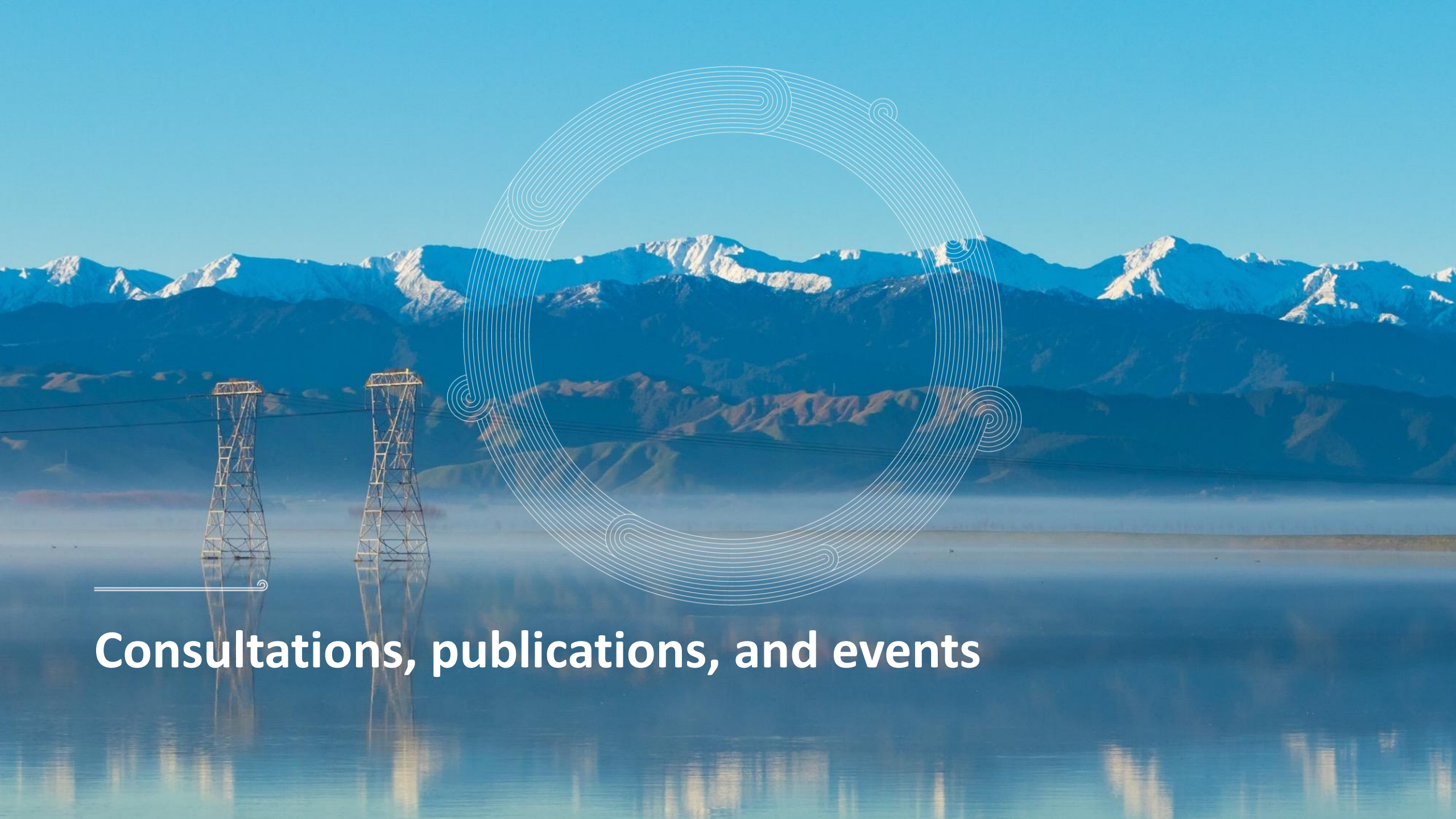
Operational update

Lower South Island Restoration Workshop

Black Start and Regional Restoration workshops are where we spend a day with representatives from generators, network companies and directly connected industrial companies to discuss restoration of the respective island core grid following a black out and regional restoration

When: Wednesday 23rd September 2026
Where: Clyde Power Station

Invites sent yesterday
if you are interested in attending or want more information
Contact: matthew.hansen@transpower.co.nz or 021 2214697



Consultations, publications, and events

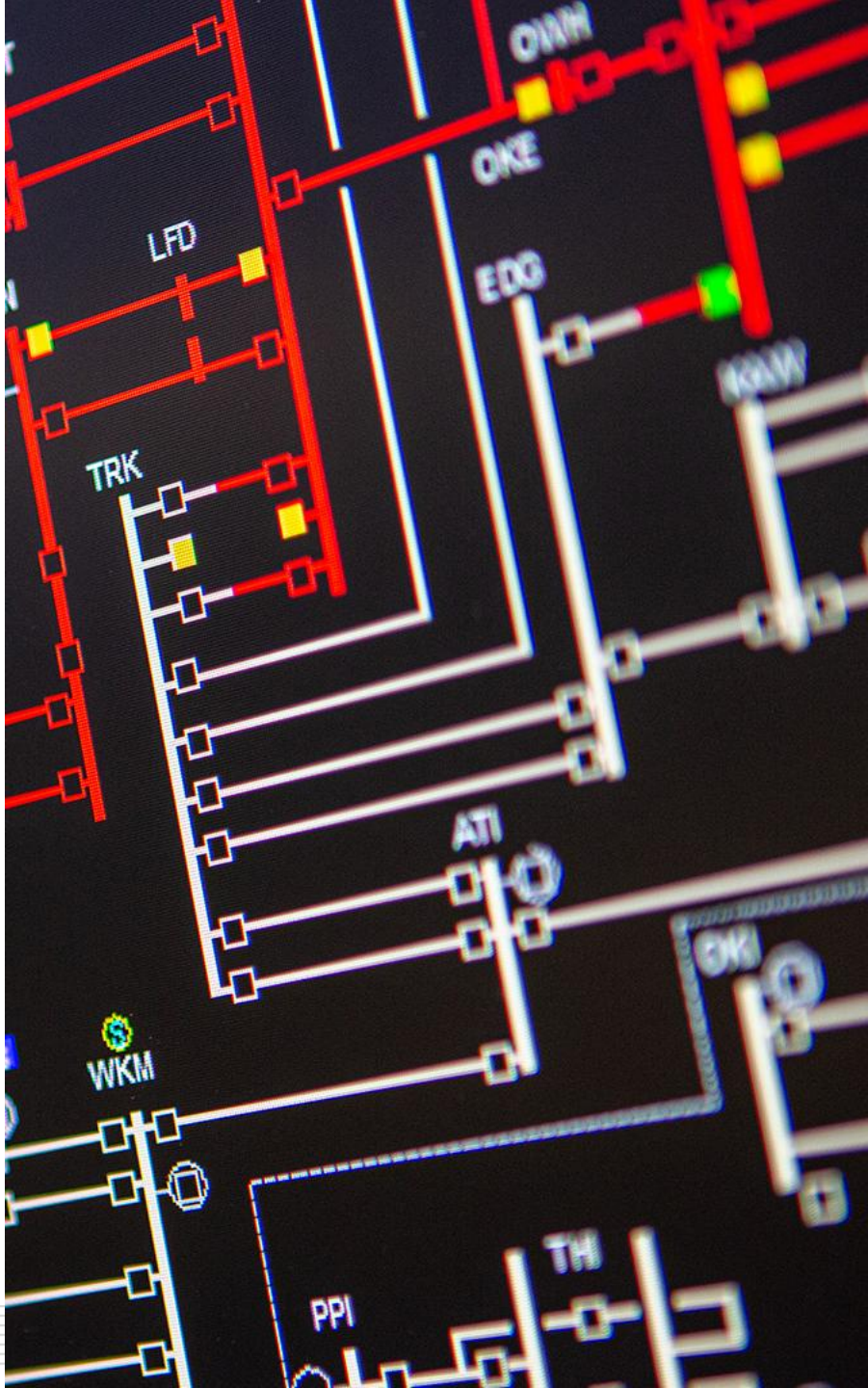
Consultations, publications, and events

We recently published two separate information papers on our website, one on **Power System Stability** and the second on the **2025 Iberian Peninsula Blackout**, we will give an overview of the Iberian blackout at our next forum.

We have progressed the development of our new **System Operator Strategy** and will seek feedback via a consultation to be published in the coming weeks.

System Operator Engineering Forum will be held on 1 July 2026 and focus on the Authority's Part 8 Code amendments. Contact us on system.operator@transpower.co.nz if you have any questions.

We will be discussing the **2026 Wairakei ring outages** at the 13 July 2026 SO Industry Forum.



Questions / Pātai

Please raise your hand

If you have feedback let us know via our **Feedback Form**

TRANSPOWER.CO.NZ