



TRANSPower

System Operator Industry Forum

22 September 2026



Today's agenda

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





Key Messages

- National hydro storage is sitting above average for this time of year – as we head into Spring, we expect to see inflows increase, and demand ease.
- NZGB shows September and October capacity risks still need industry focus on unit commitment, plant availability, and flexibility. Please keep POCP updated.
- Note Instantaneous Reserve Cost Allocation Code changes take effect on 1 October 2026.



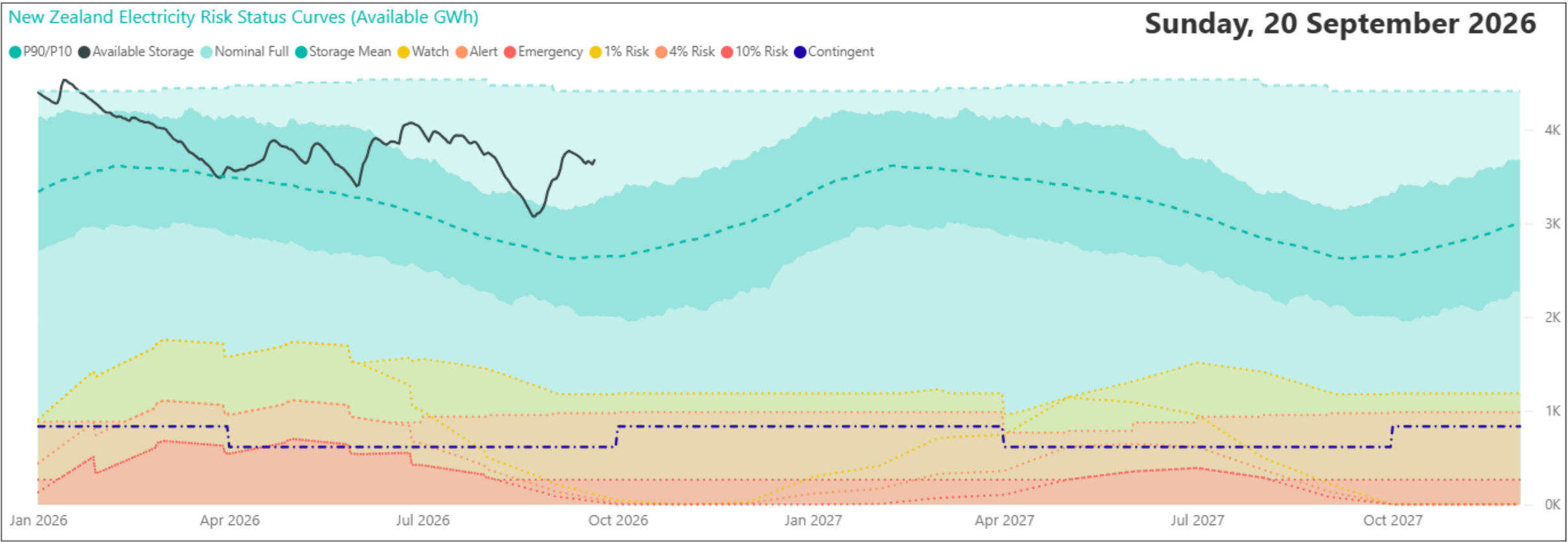
Market update

Energy: National hydro storage

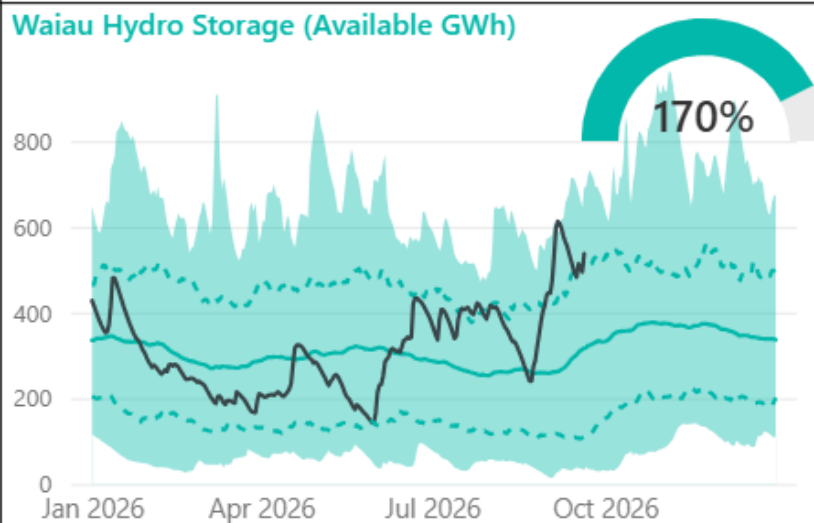
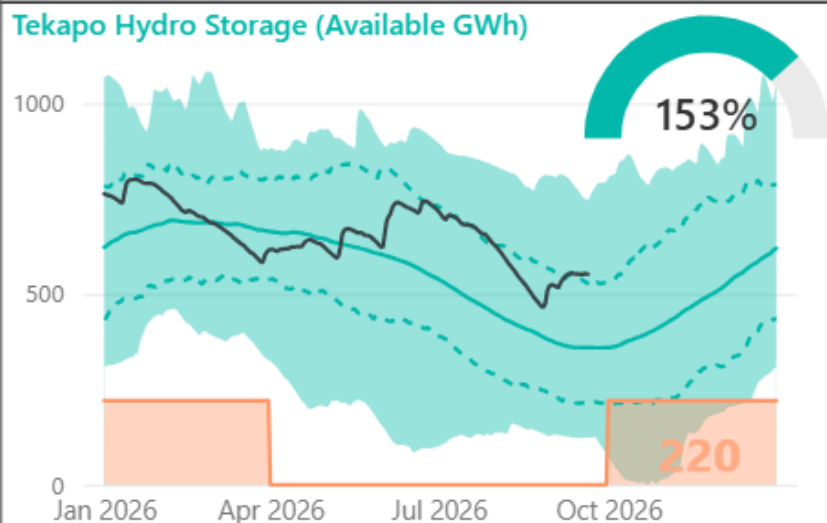
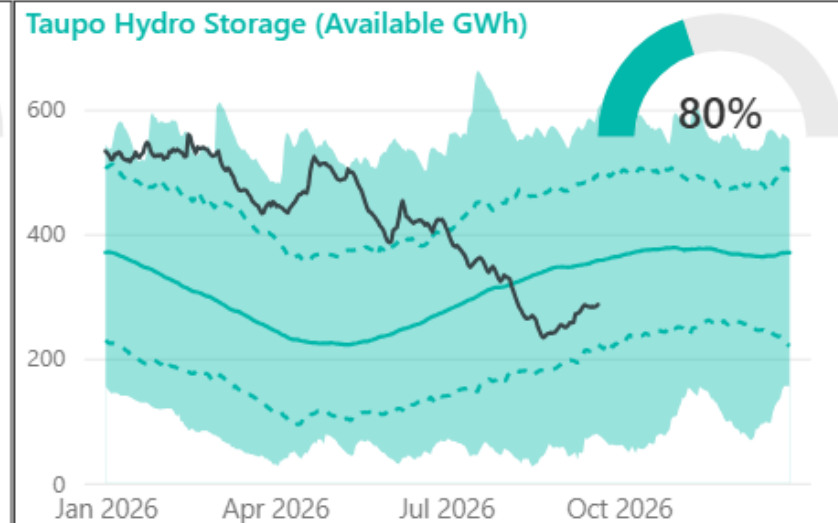
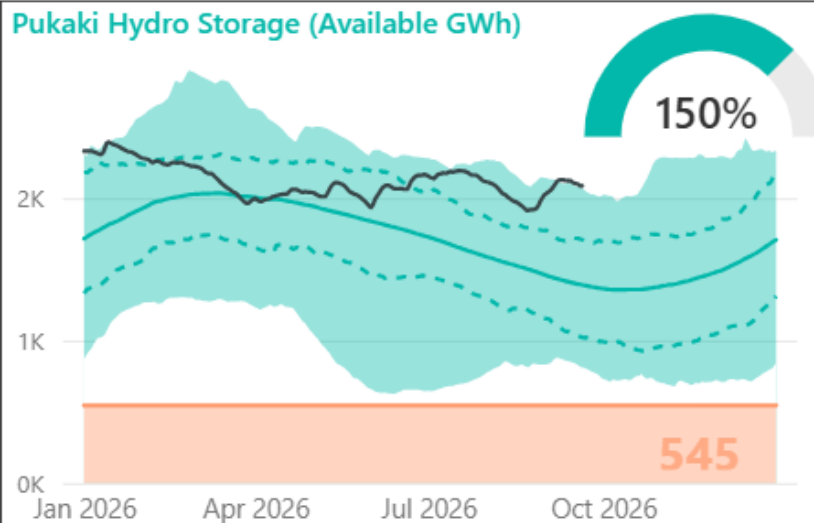
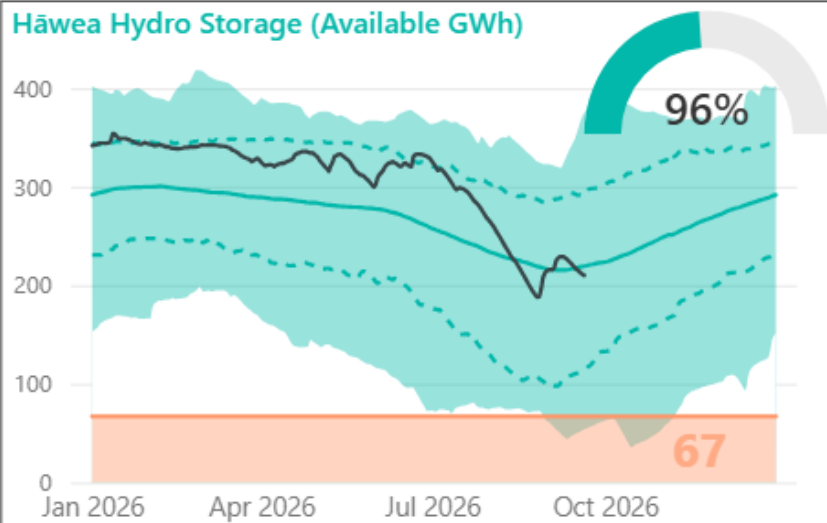
National hydro storage remains very healthy and above average. No significant changes since last forum

	Hydro storage level (% of mean ▲ / ▼)		
	New Zealand	South Island	North Island
Last forum	142%	152%	74%
Now	139% ▼	148% ▼	80% ▲

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



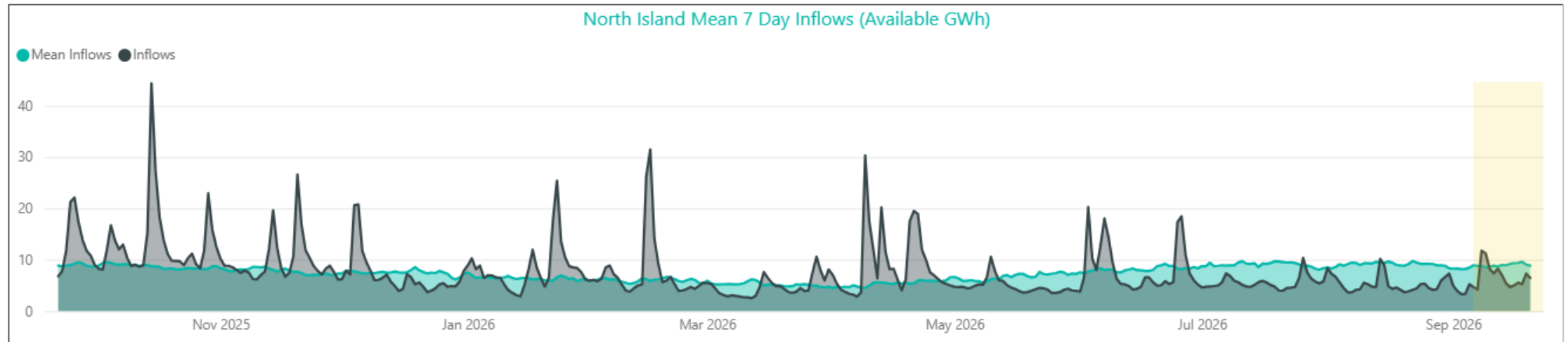
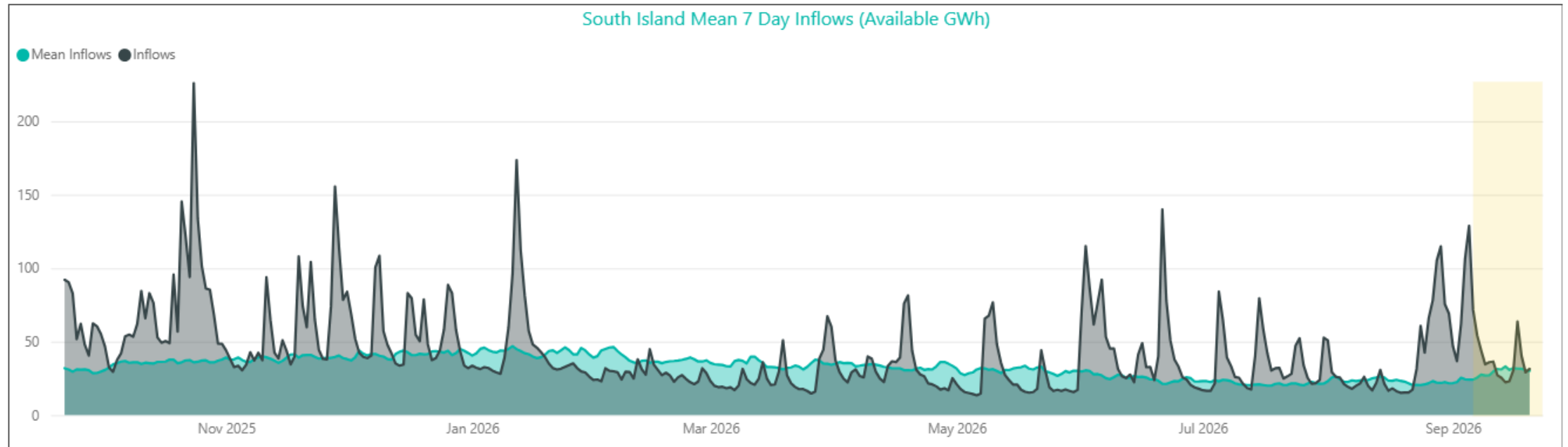
Hydro storage by catchment



Lake	Percent	GWh	Mean
Hāwea	96%	210	220
Manapōuri	178%	194	109
New Zealand	139%	3672	2644
Pūkaki	150%	2086	1391
South Island	148%	3386	2287
Taupō	80%	287	358
Te Anau	165%	344	208
Tekapo	153%	552	360



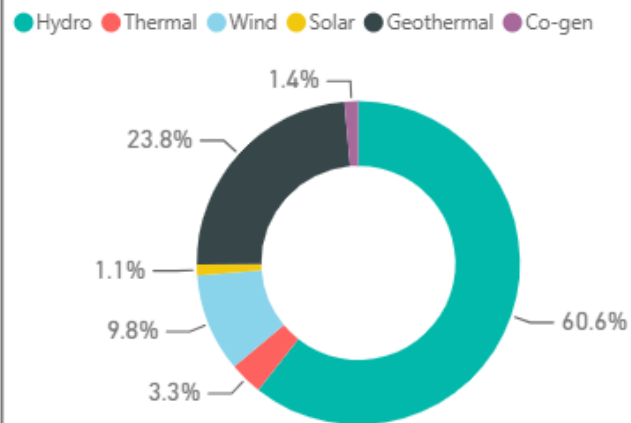
Hydro inflows



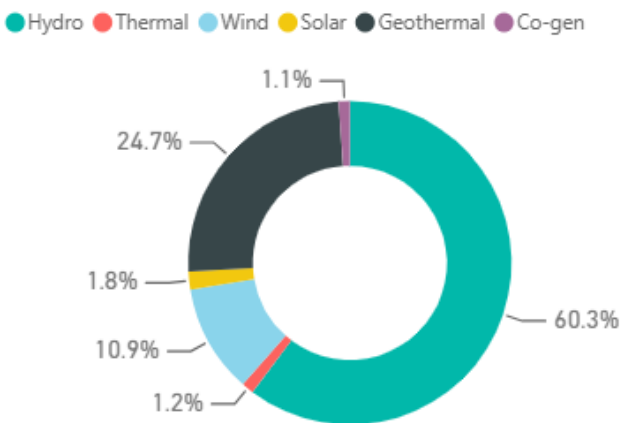
Generation mix

- Hydro at average of 60%
- Thermal below average at 1%
- Geothermal close to average ~25%
- Wind moderate at 11%
- Solar reaching 2%
- Cogen at 1%

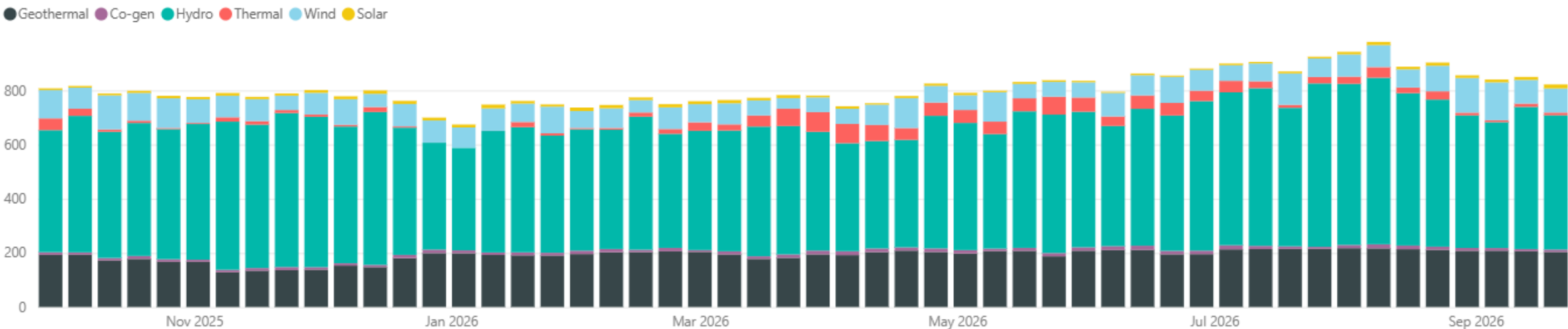
Last 52 Weeks Generation Mix - Weekly GWh



Last 7 Days Generation Mix - Weekly GWh

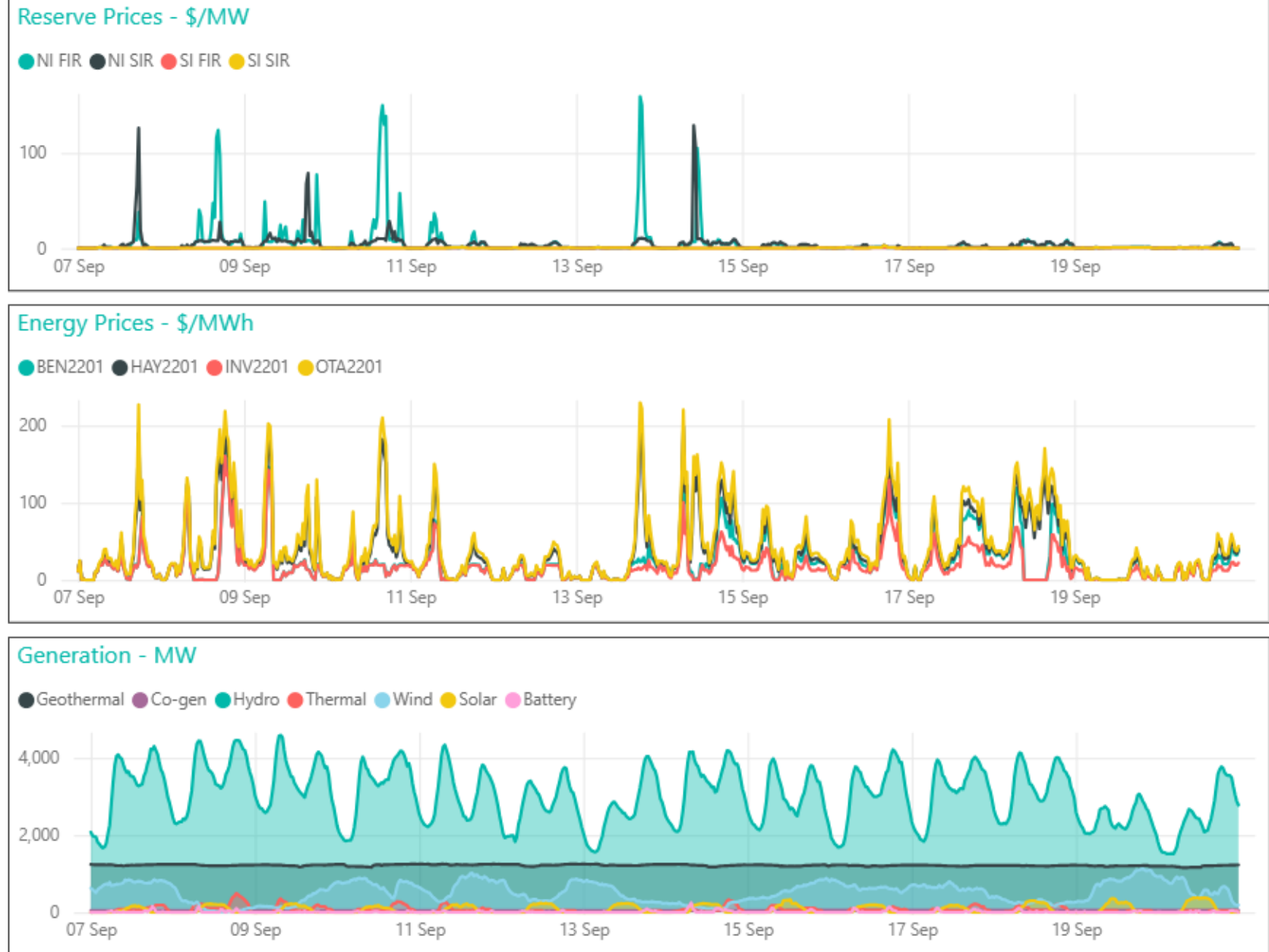


Weekly Generation Mix - GWh



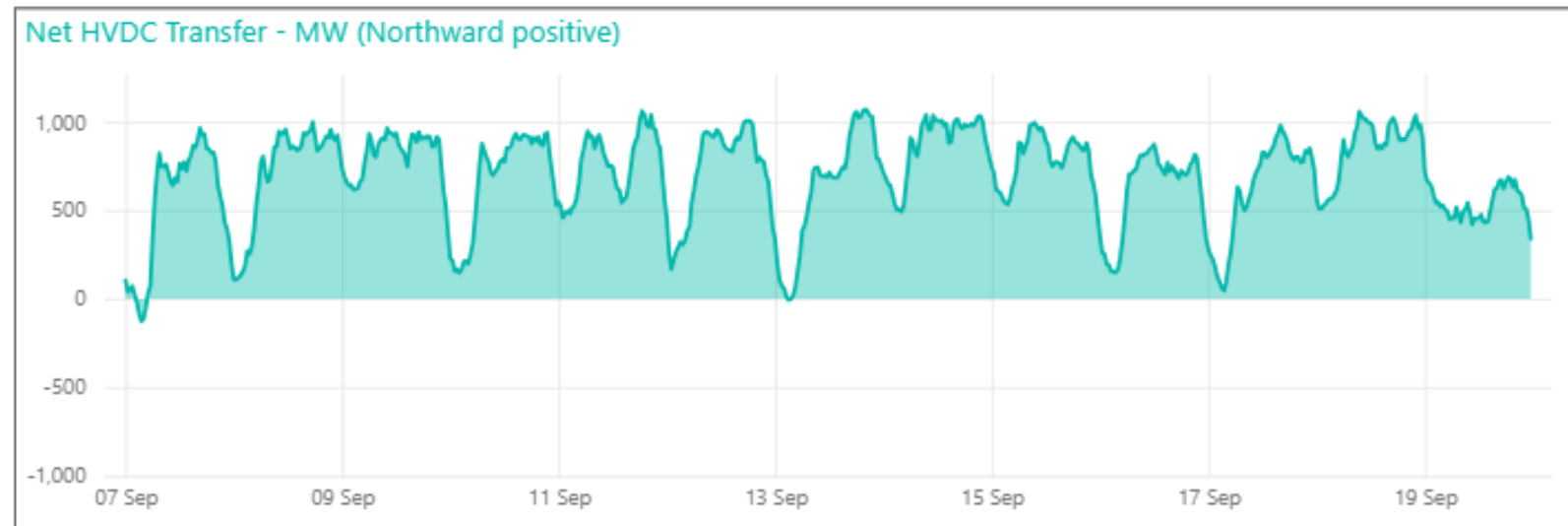
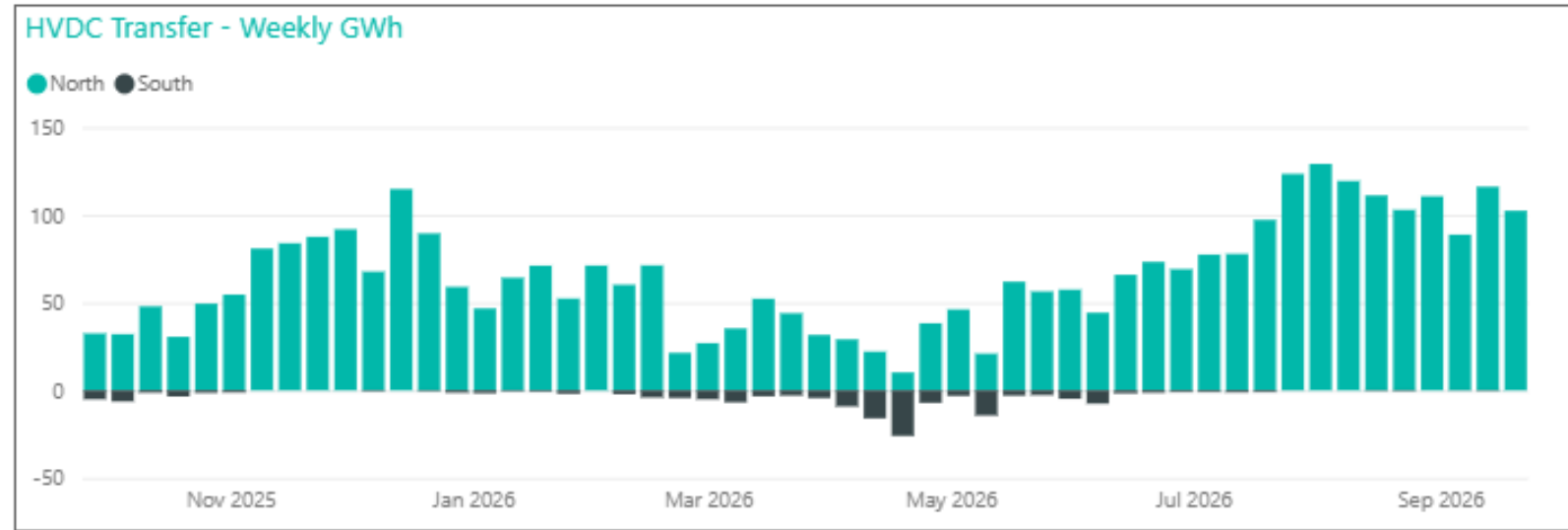
Pricing

- Fair amounts of price separation over the last fortnight due to the high amounts of hydro generation and sudden low wind periods
- Price at Ōtāhuhu averaged \$48/MWh last week and \$39/MWh the week before
- Prices peaked at \$220/MWh at Ōtāhuhu on Monday 14 September during a low wind morning peak



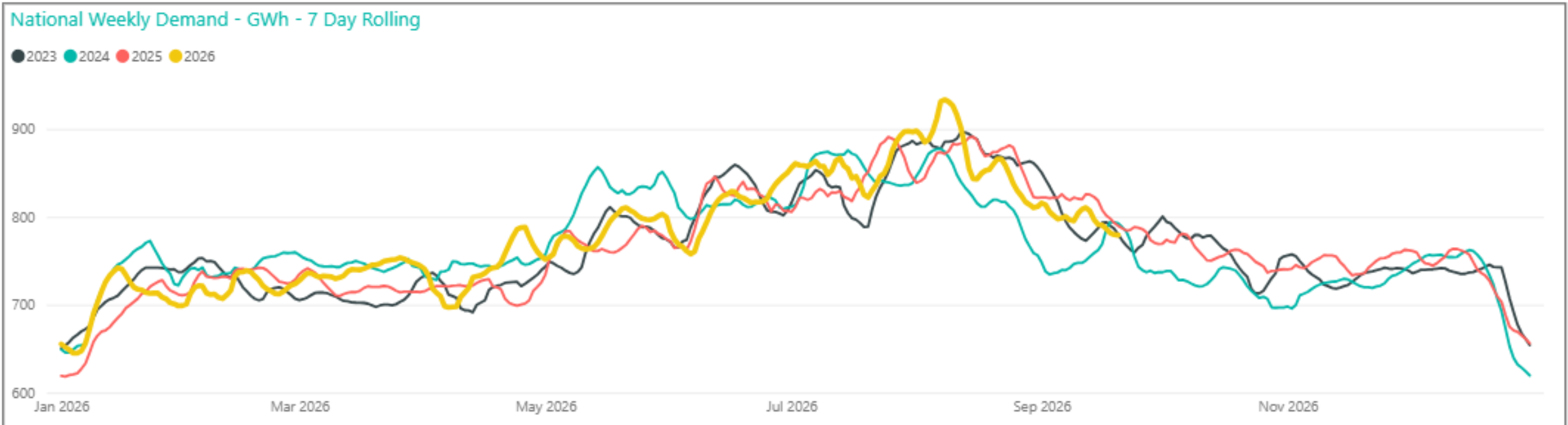
HVDC transfer

- HVDC transfer was almost entirely northward during the last fortnight.
- Northward transfer was 116 GWh during the first week and 103 GWh in the second



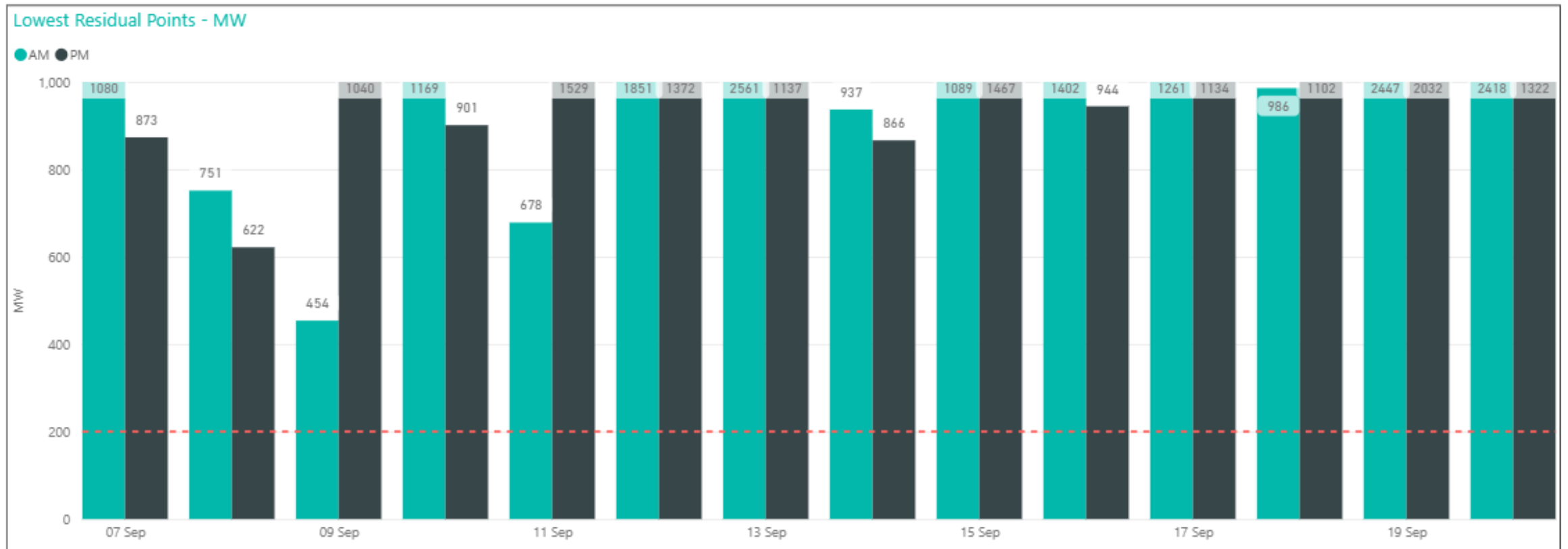
Demand

- Peak demand reached 6,304 MW on the morning of Monday 7 September
- In total, demand was 779 GWh last week and 806 GWh the week prior



Capacity residual margins

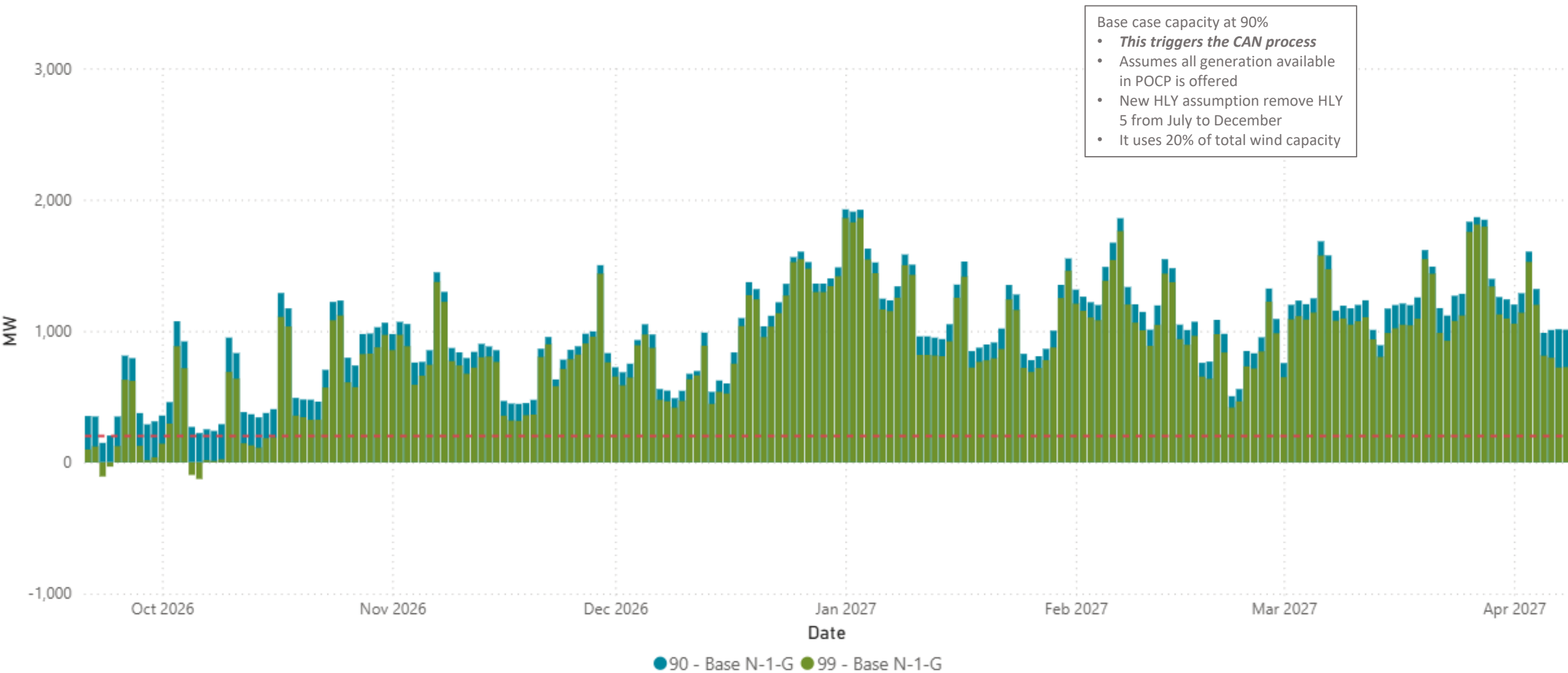
- Healthy residuals overall
- The lowest residual occurred on Wednesday 9 September during a low wind generation period



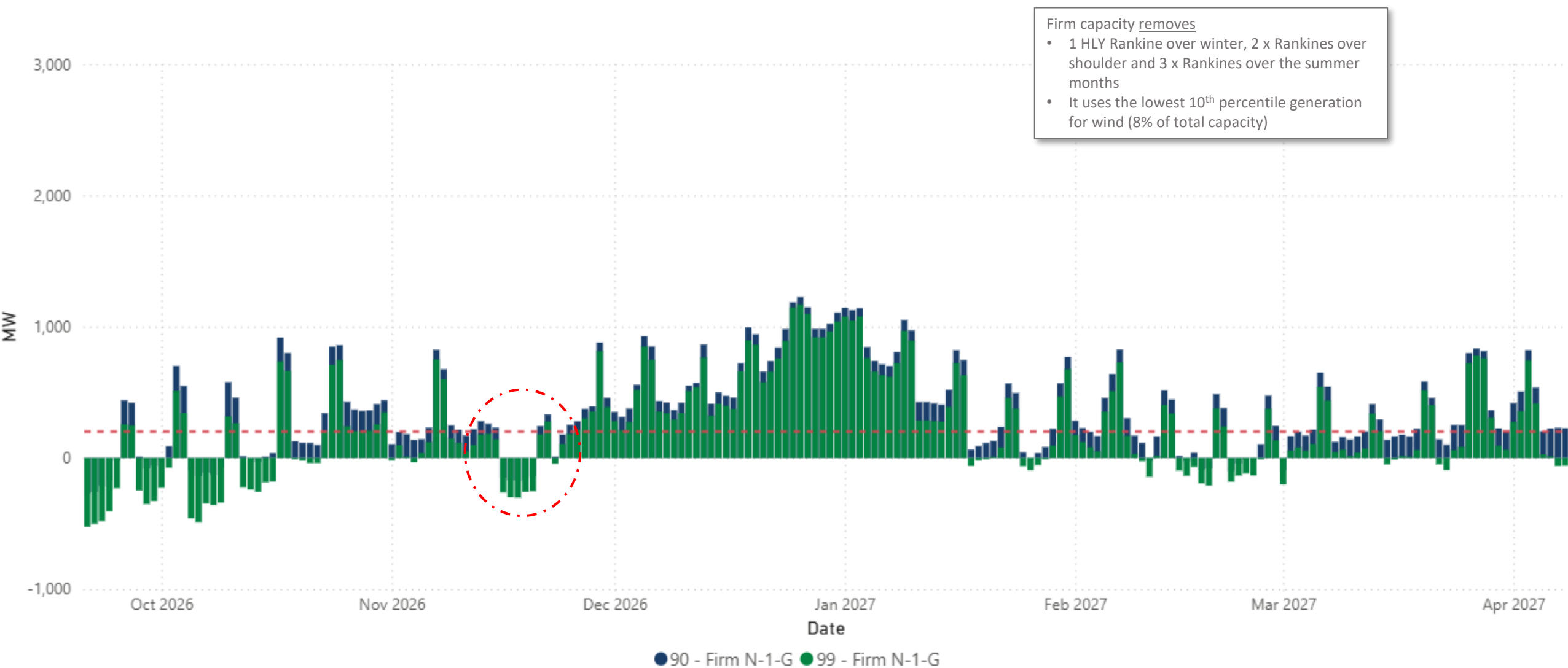


NZGB update

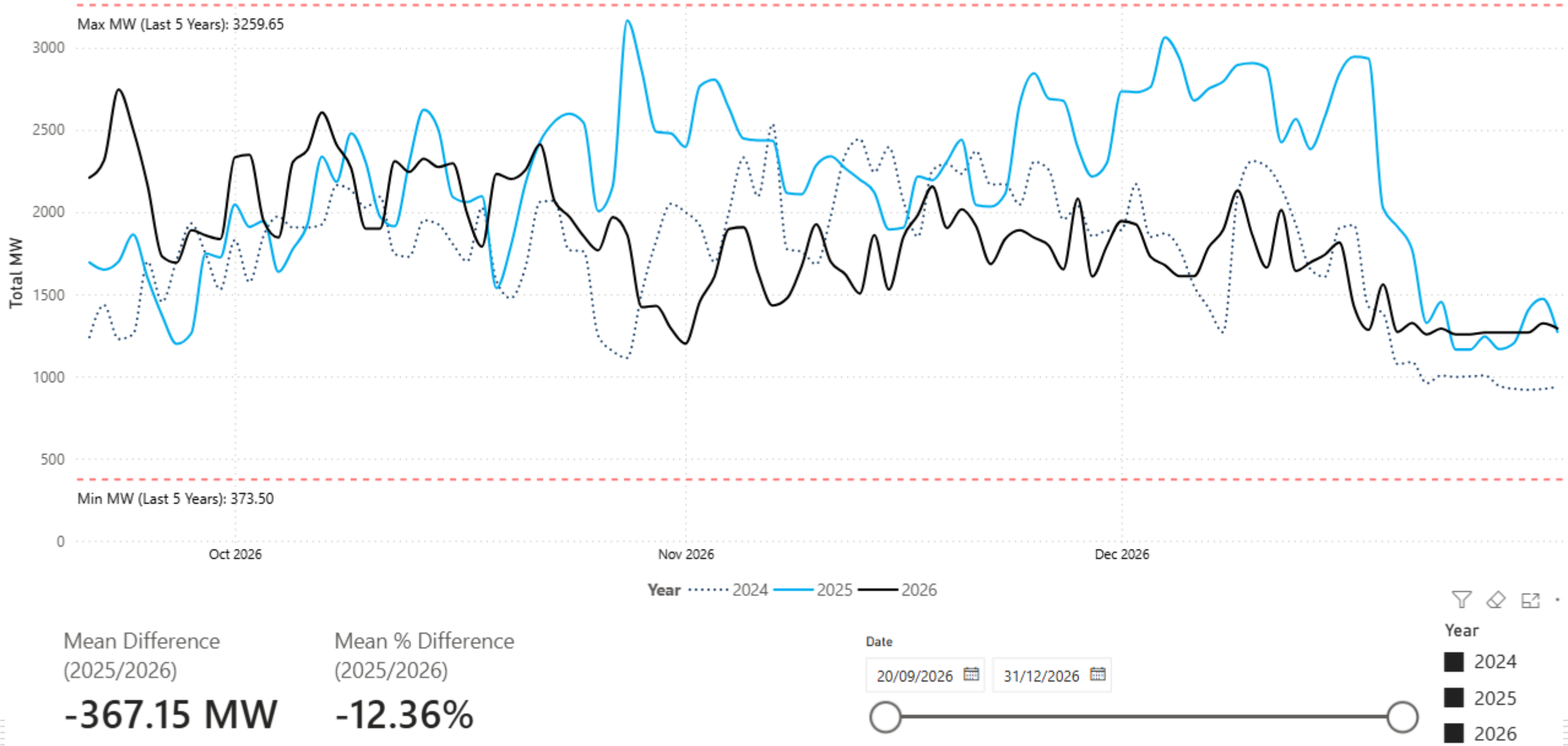
NZGB update: base capacity N-1-G



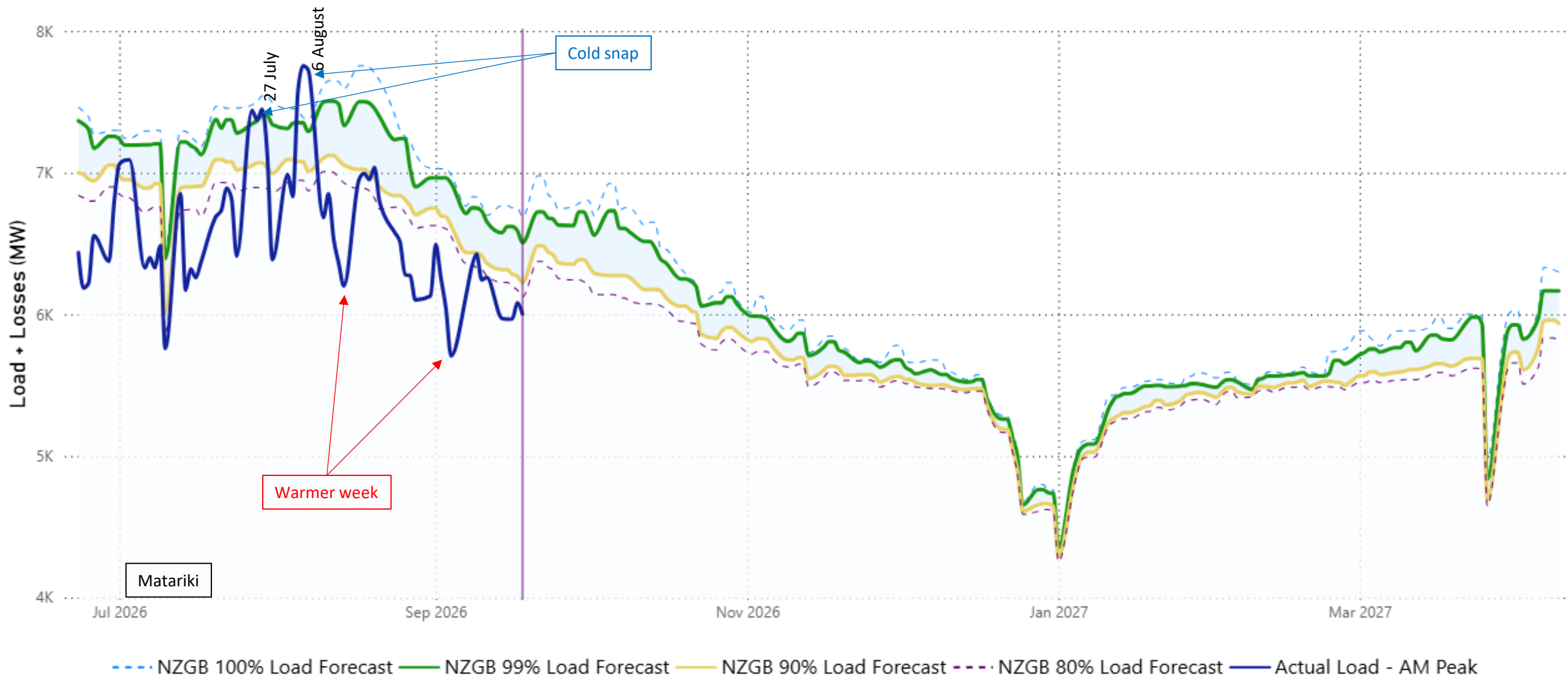
NZGB update: firm capacity only N-1-G



POCP Generation Outages



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 28 September

- HEP_ROS_2
- OTA_PEN_2 / OTA_PEN_5
- OHW_OTA_2
- EDG_TRK_2

Week of 5 October

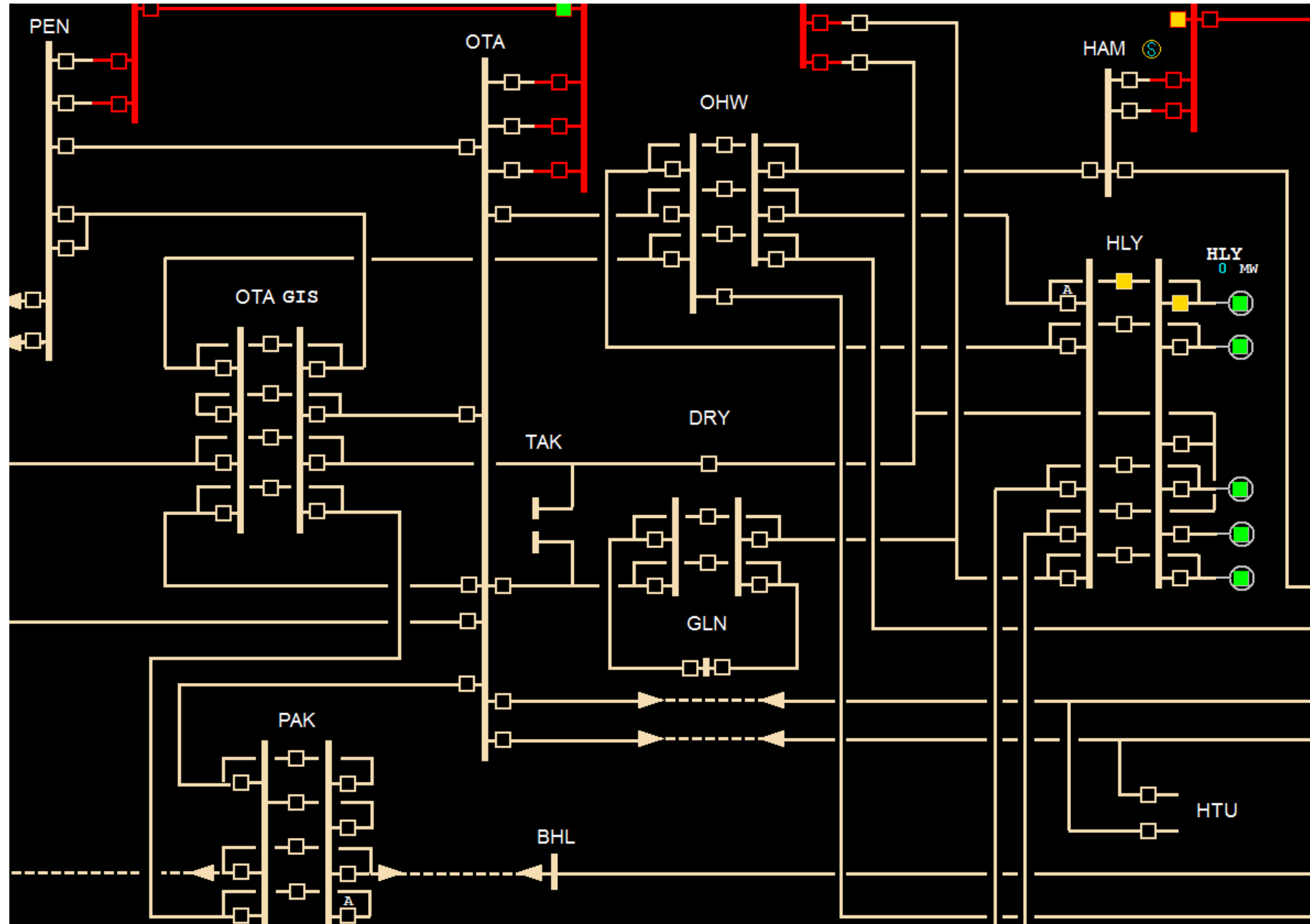
- HEN_MPE_1 then 2
- DRY_BOB_HLY_1
- KIN_317_368 (Split the bus)
- EDG_427_437_447 (N-security)
- KAW_547_587_627 (N-security)

Week of 12 October

- OTA_ROS_1 / OTA_ROS_2
- DRY_BOB_HLY_2
- KAW_OHK_1

Week of 19 October

- DRY_BOB_HLY_2
- OTA_ROS_2 / HEP_ROS_1
- HEN_WEL_1 / HEN_WEL_2



SNI Outages

Week of 28 September

- BPE_MTN_WGN_1
- BRK_SFD_3

Week of 5 October

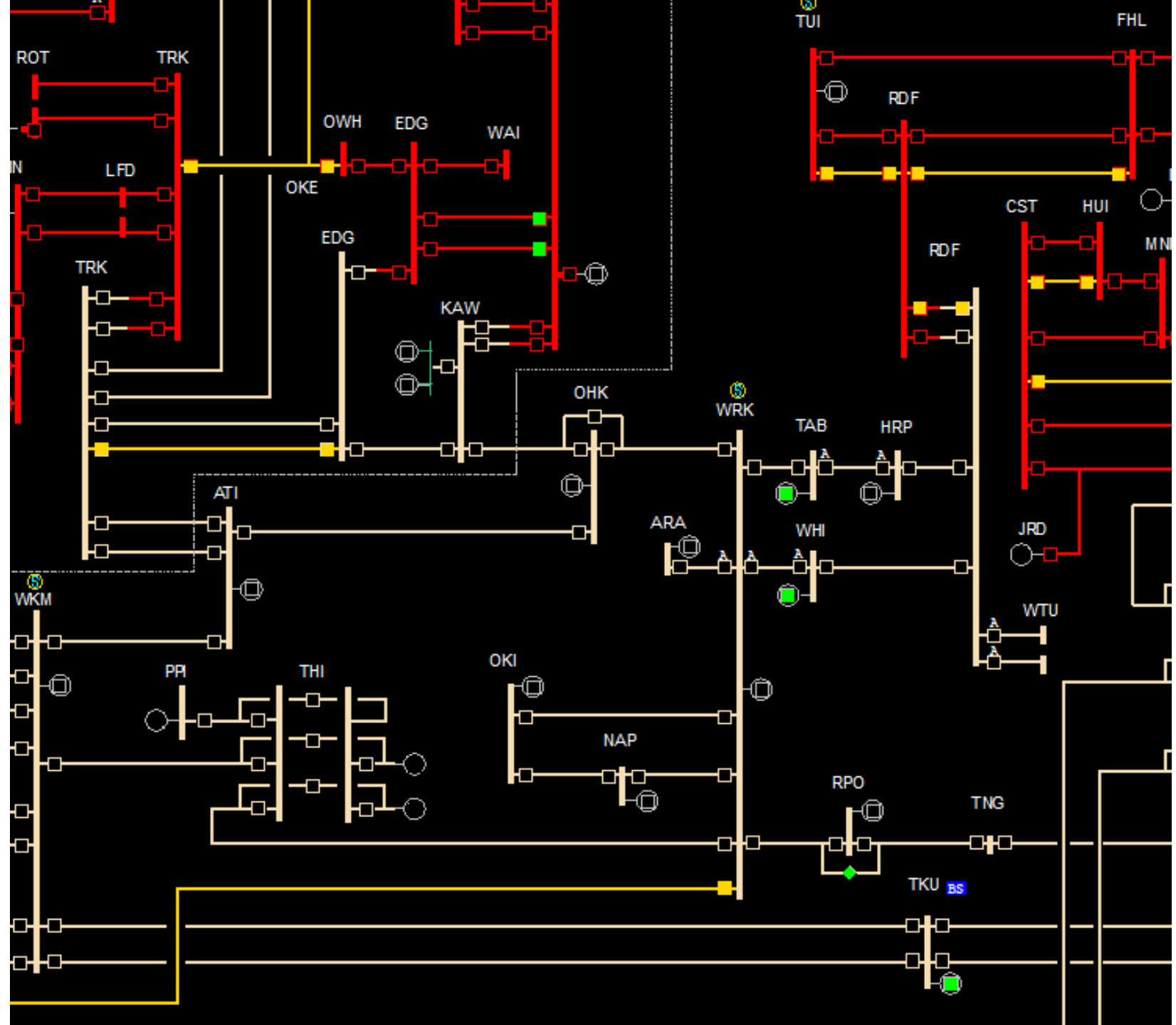
- BRK_SFD_3
- RPO_TNG_1
- CPK_WWD_WIL_3
- OKN_NPK_ONG_1

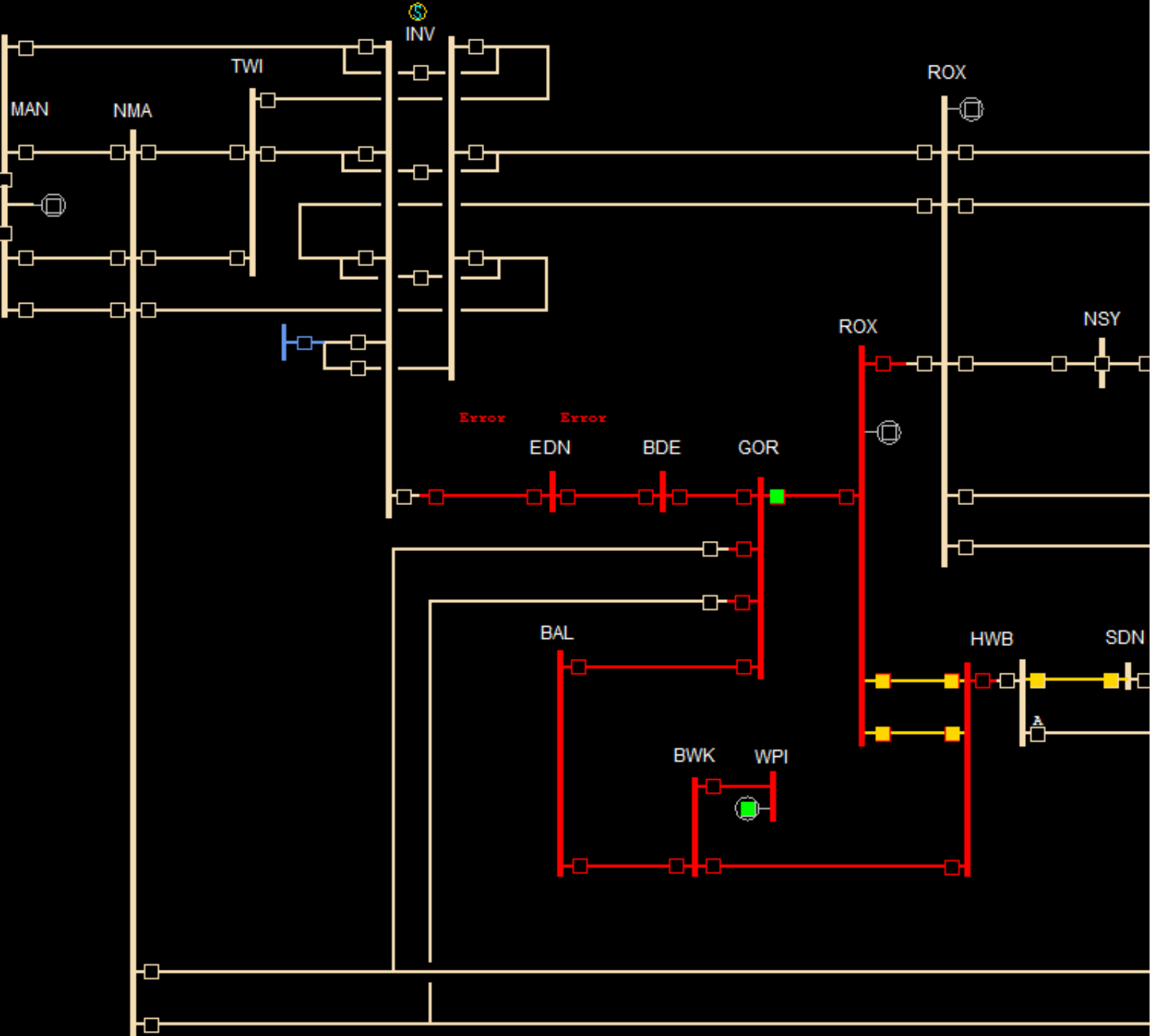
Week of 12 October

- TKU_WKM_2
- BPE_TKU_2
- HAY_WIL_LTN_2

Week of 19 October

- BPE_TKU_2
- HAY_WIL_LTN_2
- CPK_WWD_WIL_2





SI Outages

Week of 28 September

- DOB_RFN_IGH_1
- ISL_SBK_1 / ISL_SBK_2
- CYD_CML_TWZ_2
- ISL_TKB_1

Week of 5 October

- ISL_SBK_1 / ISL_SBK_2
- CYD_CML_TWZ_1
- ASB_ISL_1
- INV_MAN_2
- INV_TWI_1

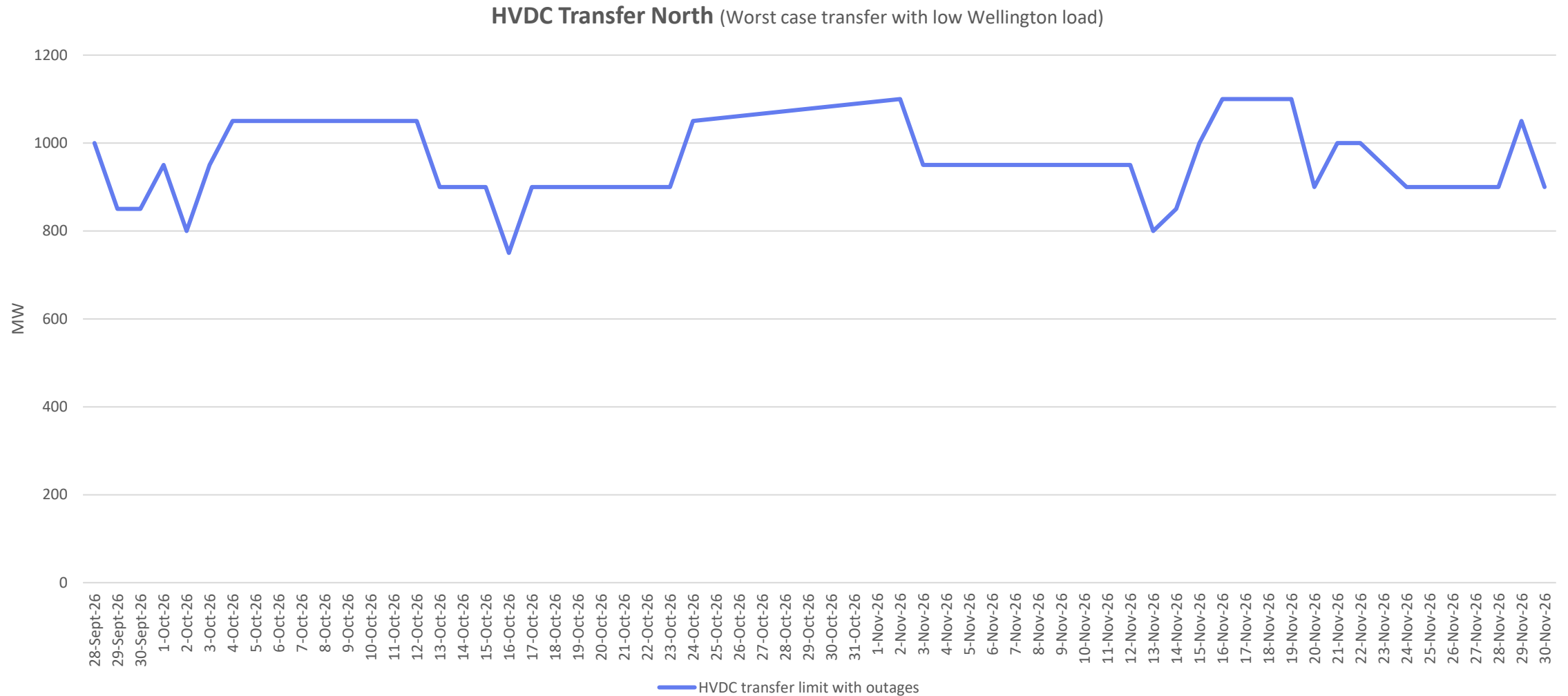
Week of 12 October

- ISL_SBK_1 / ISL_SBK_2
- MAN_NMA_2
- CYD_ROX_1

Week of 19 October

- ISL_SBK_1 / ISL_SBK_2
- MAN_NMA_2
- ROX_TMH_1

HVDC North transfer limit





Operational update

Enabling SFT to protect HEN MPE circuits during HEN HPI/BRB HPI outages

HEN HPI/BRB HPI circuit outages, 14-18 September

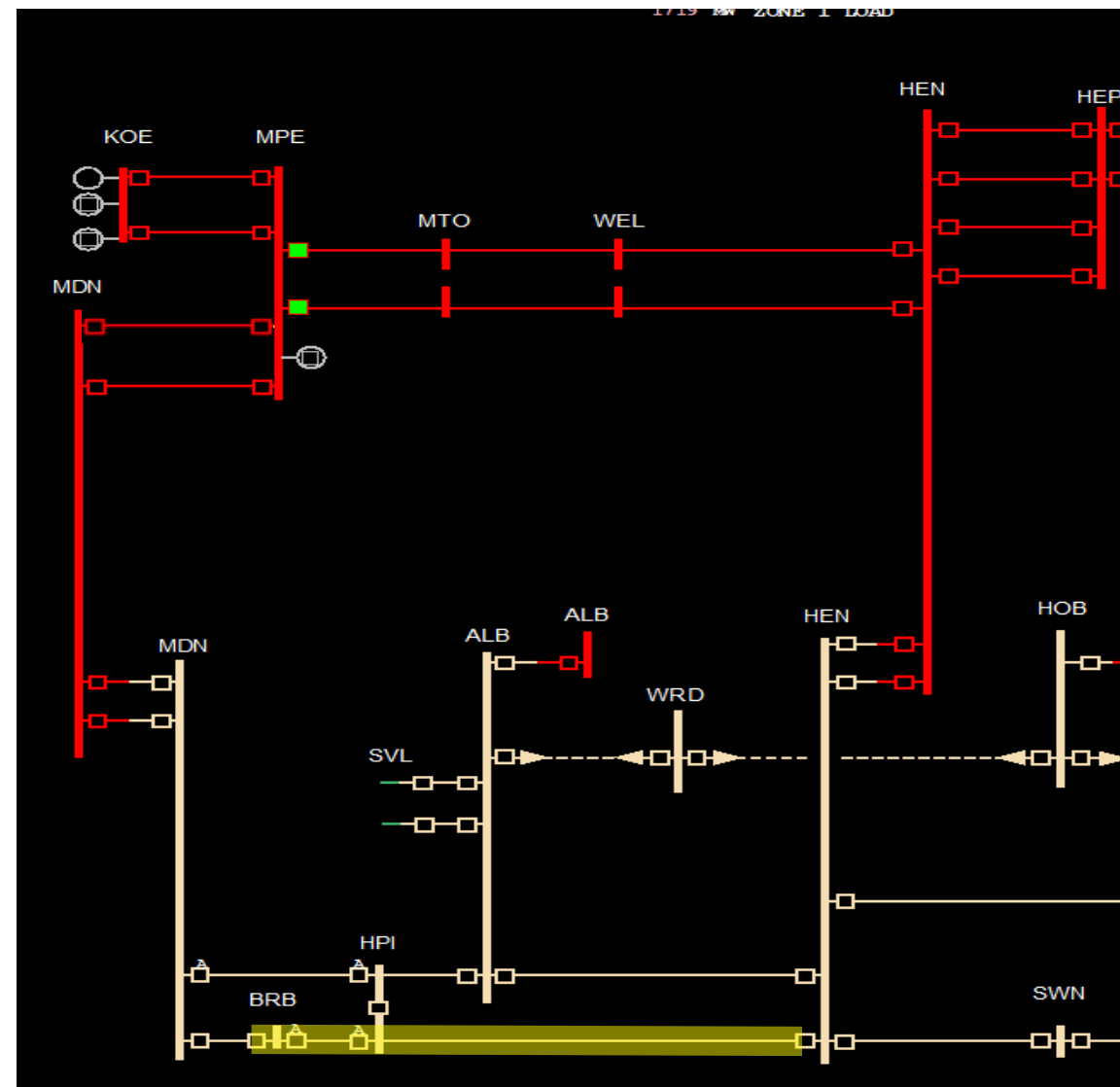
Northland solar/wind/geothermal and battery capacity is at times sufficient to allow the HEN MPE circuits to remain in service

Trial: SFT* enabled to protect the HEN MPE circuits for the loss of ALB HPI / HPI MDN circuits for outage duration

SFT constraints ensure sufficient generation is cleared or battery charging is reduced.

Analysis to come, but early indications are that we significantly reduced the time that MPE system splits were required, improving Northland resilience.

**SFT = Simultaneous Feasibility Test. SFT creates constraints in market schedules to maintain system security*

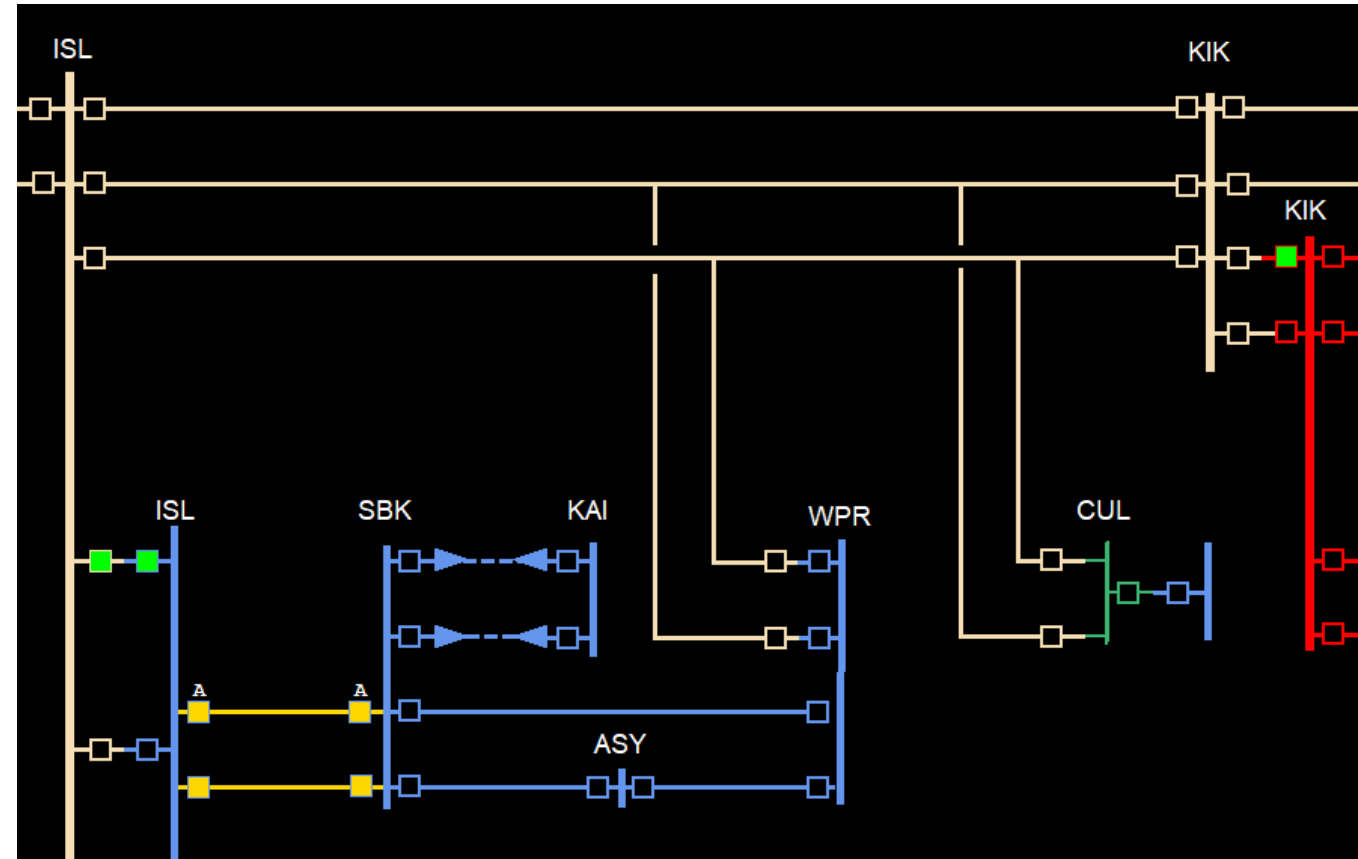


ISL-SBK 1 & 2 outages

Extended outages for reconductoring

Complex outage for Customer and System Operator

- Load Limit requirements
 - Cold weather end of last week
 - Cold weather forecast later this week
- Voltage management challenges
 - Voltage swings impact on customer connections
 - Keeping voltage within limits
- Restoration plan for Loss-of-Supply event





Ancillary Service Cost Allocation System (ASCAS)

Ancillary Services Cost Allocation System (ASCAS)

Final go-live – 28 Sept

- Transitioning key data to new system - for Sept cost allocation
- Data for EA directly from ASCAS - aggregated costs now reported separately
- Most industry participants will not be affected and will experience no change... but...
 - Different look for deductions info – (OFR providers only)



POCP

ASCAS uses POCP to check availability for services with monthly availability payment component

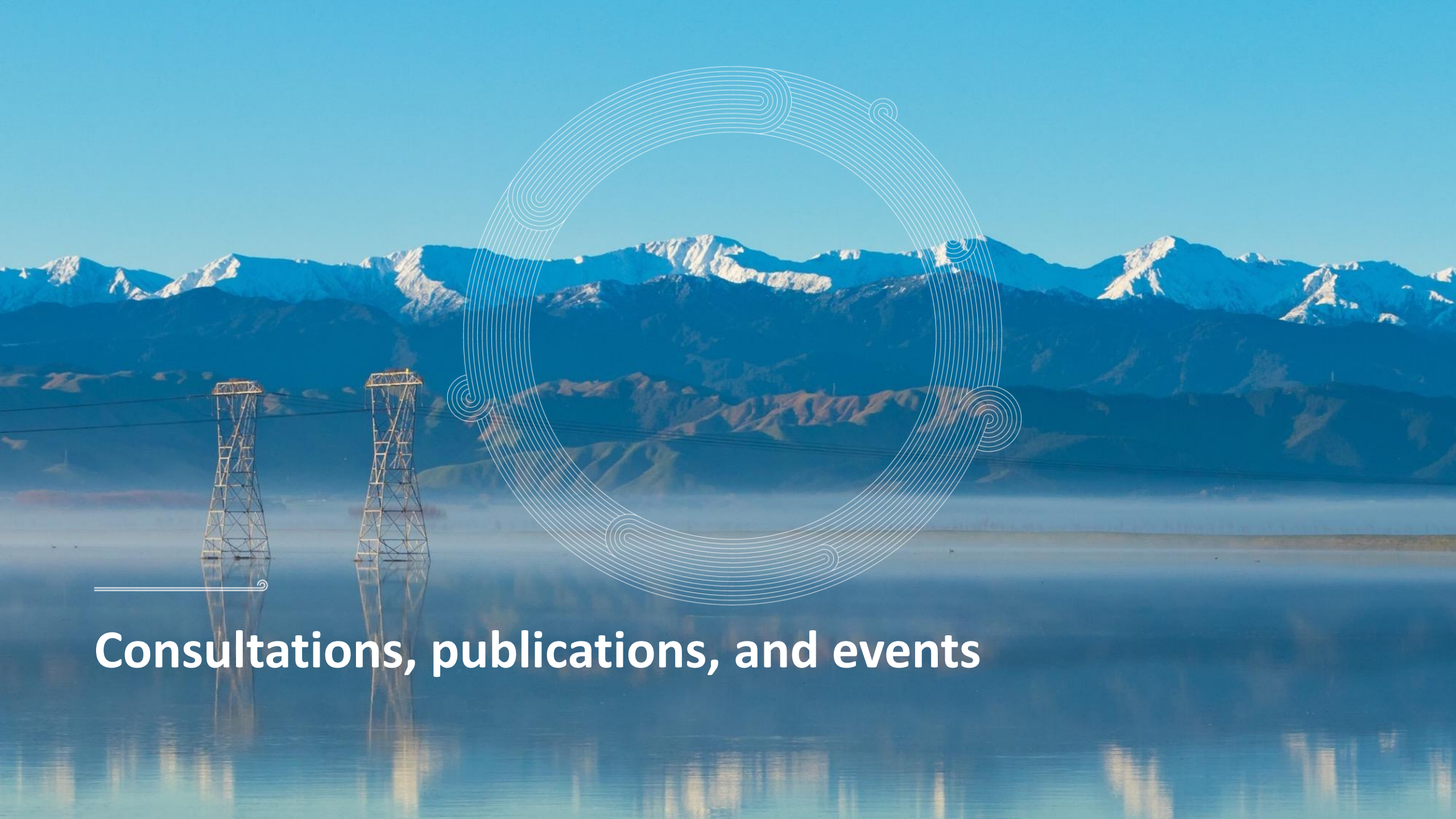
Ancillary service agents should

- Ensure outages affecting contracted AS assets in POCP
- Maintain outage information throughout outage
- Review existing internal processes to ensure POCP submissions remain accurate
- Ensure nominated contacts responsible for outage coordination/AS obligations aware of requirements

New POCP outage block codes

- BS auxiliary equipment and BSFK units



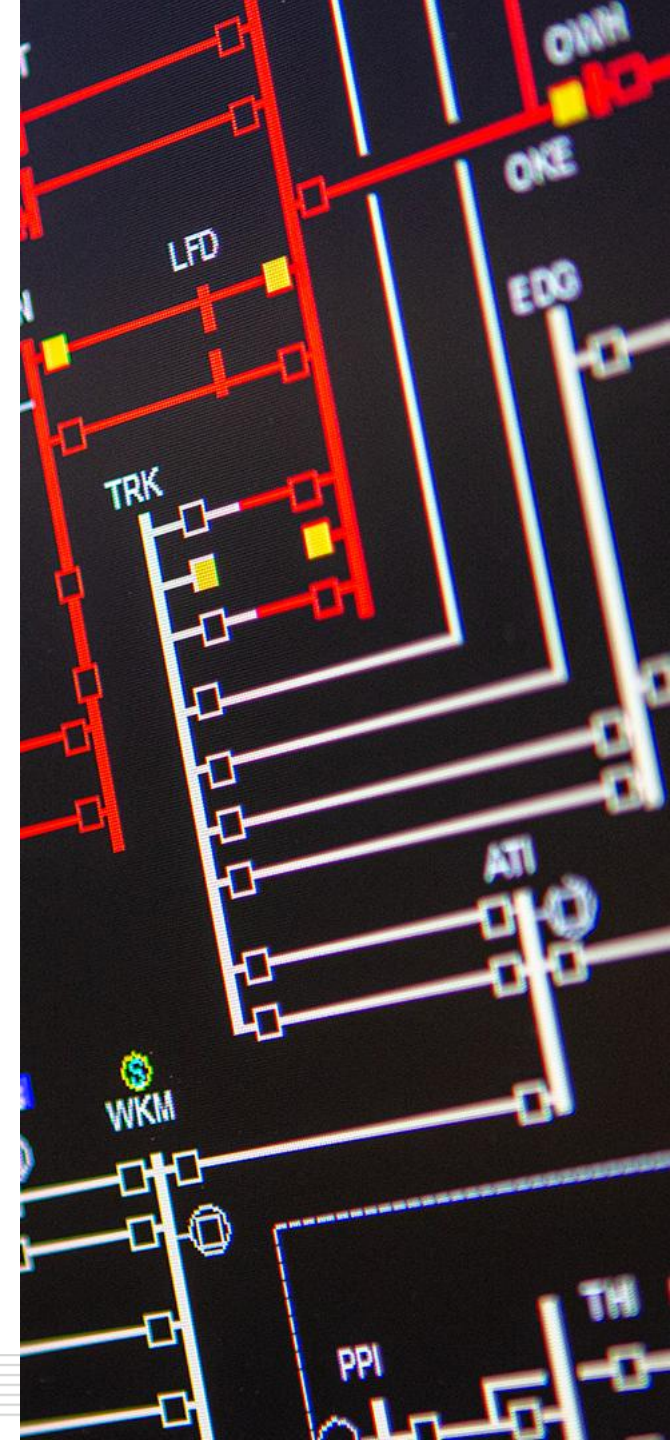


Consultations, publications, and events

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Submissions on the draft [Ancillary Services Procurement Plan to implement Emergency Reserve](#) consultation are due by 5pm this Friday 25 September, followed by a one week period for cross-submissions.

A reminder that [Instantaneous Reserve cost allocation Code changes](#) come into effect on 1 October, we have published an updated [At-risk Generation List](#) and informed affected participants.



Questions / Pātai



Please raise your hand

If you have feedback let us know via our [Feedback Form](#)

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