

ACTION LIST

The following are actions to be completed after meeting number 30 on Thursday, 12 March 2020.

Action #	Meeting created	Action	Date for completion	Status
1	17	Secretariat to keep the SRC updated with the progress of Transpower's major capital project for voltage stability issues in the upper North Island. Updates of milestones should be provided until the investment decision is made.	As needed until investment decision made	Ongoing. Several updates already given, most recently at 24 October 2019 meeting.
2	28	Secretariat to provide an update on the outcomes of 2 March 2017 compliance processes.	Once outcomes are known	Update. The Rulings Panel has confirmed it will have a hearing at the first available date after 27 May 2020.
3	30	Secretariat to prepare a paper on the industry's readiness throughout the supply chain to manage a COVID-19 emergency.	12 May 2020	Complete. Included as agenda item #8.
4	30	Secretariat to include an agenda item for the next meeting to present the scope of the 'G2' review and process (including the viability of an SRC sub-committee)	12 May 2020	Partially complete. The viability of a sub-committee and a general update is included in agenda item #9.
5	30	Review and monitor the effectiveness of the system operator's processes for communicating risks to the industry, changes the Authority has made regarding risk, and assess the system operator on outcomes in the next Annual Review.	22 October 2020	On hold.
6	30	Report on the effectiveness of the system operator's improvements to its outage planning and real time management process in the next Annual Review	22 October 2020	On hold.
7	30	Secretariat to investigate an incident that occurred under Transpower's new External Communications Plan and	12 May 2020	Not completed. Agenda item #12

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		develop a list of questions to pose to Transpower.		explains what has been progressed.
8	30	Secretariat to organise a cyber-security survey to be sent to participants for review in meeting 31	12 May 2020	Not completed. Agenda item #10 explains what has been progressed.
9	30	Secretariat to revise meeting 31 finish time to 4pm to reflect a fuller schedule	ASAP	Complete. Secretariat reserved until 3pm only as it appeared much less time would be needed.

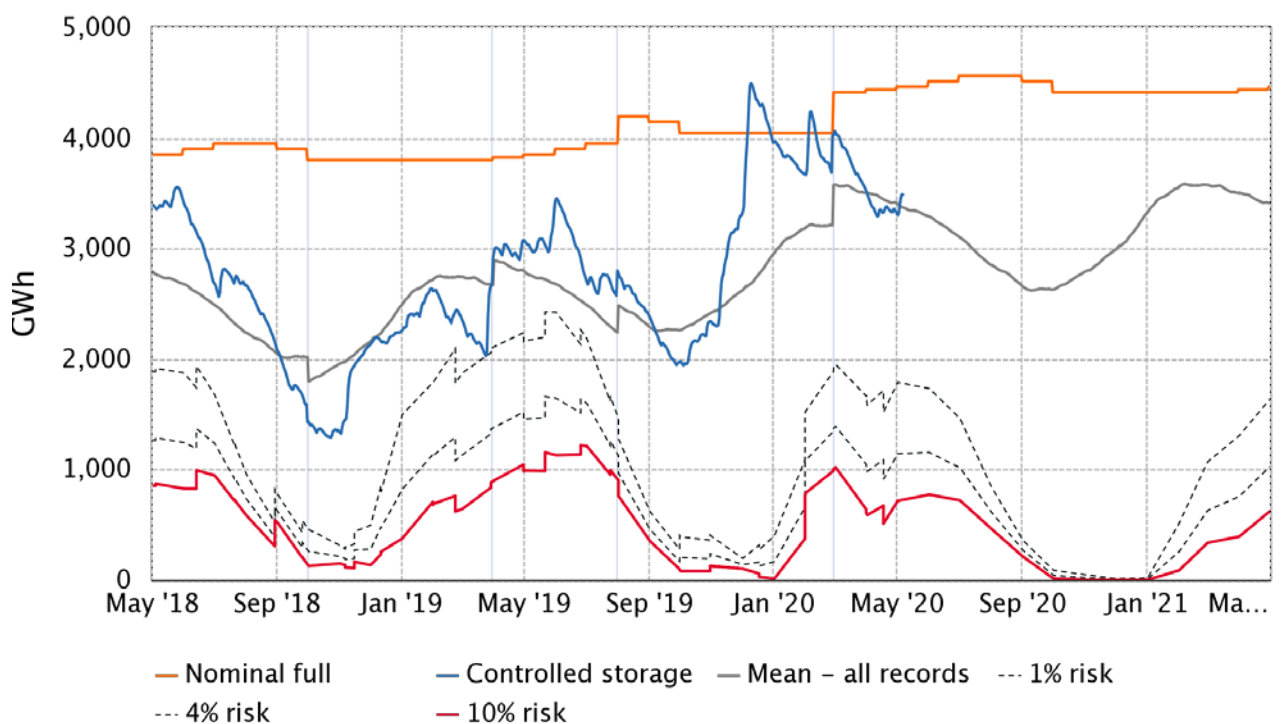
1. Updates

- 1.1. This section provides information on matters that don't warrant a dedicated agenda item, such as updates on matters that have previously been discussed by the SRC.

The current security of supply situation

- 1.2. As at 6 May 2020, national hydro storage was 78% of nominal full, which is 103% of mean storage for this time of year. The system operator has revised its demand forecasts downward to account for impacts arising during and subsequent to the COVID-19 pandemic.
- 1.3. That change is reflected in Figure 1 below, which is sourced from an Authority dataset.

Figure 1: New Zealand-wide electricity risk curves as at 6 May 2020



emi.ea.govt.nz/r/0s0vp

27 November 2019 Northland power outage

- 1.4. On Wednesday 27 November 2019, various media reported that ~90,000 Northland properties lost power for three hours. The transmission system was on reduced security when a trip occurred. By 29 November 2019, the grid owner announced that it believed that bird excrement was the likely cause of the trip.
- 1.5. In the 12 March 2020 SRC meeting updates, the secretariat undertook to review the findings from a system operator investigation on consider whether a paper on the outage is warranted. The system operator subsequently completed their report and the secretariat has reviewed it. There are some aspects of the event that could be of interest to the SRC. Agenda item #12 discusses what should be requested from Transpower in order to best meet the SRC's needs.

Australia's Energy Security Board commissioned a review of the governance of Distributed Energy Resource (DER) technical standards

- 1.6. Australia's Energy Security Board commissioned a review by Sapere Research Group on the governance of Australia's DER technical standards. Given the concerns raised at the 13 March 2020 SRC meeting about standards arrangements in New Zealand, this review is relevant. Sapere summarised their findings as follows:

"The Review highlights that to date the governance of DER technical standards has been fragmented, lacking clarity of roles and coordination. In addition, resourcing is inadequate and the pace of change is slower than needed given the rapid deployment of DER in the NEM. The result is that DER systems deployed today are not necessarily able to deliver the performance levels and services required to support system security, efficient and effective distribution network management and the optimisation of DER benefits for all electricity system users.

The Review identified critical gaps and weaknesses in the current governance system, including:

- An overall lack of leadership and coordination and clear objective as to how DER technical standards should be governed.
- Weaknesses in the Standards Australia technical standards process in terms of speed, transparency, participation and decision making not being explicitly aligned with National Electricity Objective.
- Lack of harmonisation in network connection standards across Distribution Network Service Providers (DNSPs).
- Under-resourcing of compliance and enforcement activities, and gaps especially for non-safety related standards."¹

- 1.7. The secretariat will consider what advice the SRC needs about this topic (in the New Zealand context) for future meetings.

¹

This summary and the full report are available from <https://www.srgexpert.com/publications/review-of-governance-of-der-technical-standards/>