

Consultation Impact Statement



Introduction of Generator Forecasting Compliance Procedure

Summary

The Network Technical Code was recently updated to incorporate additional Generator Performance Standards. The new standards included the requirement for generators to provide the System Controller with a rolling 24 hour capacity forecast that met identified accuracy requirements.

The final approved Code, included clause 3.3.5.17 (f), which requires the System Controller to publish a procedure that specifies the process that will be used to detect and respond to non-compliance of this clause. This proposed procedure seeks to address that obligation and provide sufficient detail to generators to fulfil their compliance obligations under the Code.

The procedure seeks to outline the approach to:

- assessing the compliance of generators' forecasts,
- notifying generators of non-compliance,
- calculating the constraint to be applied to any non-compliant generators, and
- the process to return the generator to service and lift constraints.

In developing the procedure we have attempted to balance the need for certainty and flexibility. The underlying causes of non-compliance will be varied and as such will require differing approaches to rectification and demonstrating on-going compliance. The proposed procedure endeavours to ensure the System Controller has the ability to have a tailored response to these differing situations.

The proposed approach to the capacity forecast compliance assessment prioritises generators achieving their future forecast accuracy obligations over responding to under-frequency events. It proposes that generators only respond to an under-frequency event to the level that ensures they are compliant with the forecasts for the subsequent 30 minutes. It is assumed that this response will be to the level of their firm forecast. This is to ensure that during the recovery from an under-frequency event the System Controller has certainty on the response of generators that remain on the system.

Consultation Process

This procedure has been prepared by Power and Water Corporation in accordance with clause 3.3.5.17 (f) of the Network Technical Code.

Consultation will be held over 4 weeks, commencing Thursday 16 April 2020 and ending 4pm Friday 15 May 2020. Submissions from stakeholders and interested parties are invited.

It should be noted that Power and Water will publish submissions in full. Should a stakeholder consider sections of their submission as confidential, a separate public version of the submission should be provided to Power and Water for publication.

Stakeholders, please send your submissions and any queries to market.operator@powerwater.com.au.

Proposed Amendments

This is a new document.

Consultation Questions

Is the proposed procedure aligned with the obligations outlined in the Network Technical Code?

Does the procedure provide sufficient detail on the constraint setting process?

Is the procedure suitable for use by the System Controller?

Does the proposed approach to under-frequency event and forecast appropriately balance minimising the impact of the initial under-frequency event while limiting the risk that future forecast errors present an unmanageable situation?