

# ESTIMATES COMMITTEE

## Question Taken on Notice

**Question Number:** 12.2

**Output Number:**

**Date:** 19/06/2025

**From:** Ms Selena Uibo

**To:** Mr Dennis Bree

**Portfolio:** Essential Services

**Agency:** Territory Generation

**Subject:** System Risk and non-reliability notices received

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### QUESTION:

How many system risk and non-reliability notices were received by TGen during the reporting period, and what were they in relation to?

### ANSWER:

Thank you for your question, Leader of the Opposition, Ms Selena Uibo.

For clarity, Power and Water Corporation (PWC), System Control (SC) department issue non-reliability notices (NRN's) to all system participants, and not to specific generators or participants.

The publicly available list of NRN's are available from the NTESMO website [Non-Reliable Risk Notices | NTESMO](#) and further detailed explanations are available from PWC's SC Bi annual and annual reports.

Below, Territory Generation (TGen) has provided a summary of the NRN's issued to system participants, by power system during the reporting period.

### Summary table of NRN's issued by SC during reporting period 1 July 2024 – 31 March 2025.

	# NRN's
DKPS	6
ASPS	8
TCPS	0

NRN's are issued when SC's controller determines there to be a Lack of Stand-by generation (LOS) in a power system.

The following extract from section 3.7.1 of the System Control Technical Code V7.0, describes the different levels of LOS:

*“3.7 Lack of generation stand-by conditions*

*3.7.1 Declaration of lack of stand-by generation (LOS)*

*The Power System Controller shall assess the overall stand-by availability in the power system. The Power System Controller may declare lack of stand-by generation (“LOS”) condition as follows:*

*(a) LOS1 may be declared when a power system is short of stand-by generation plant capacity up to an amount specified in the Secure System Guidelines, and the Power System Controller considers that there is a material risk of involuntary load shedding or the need to carry out voltage reduction following the Critical Credible Contingency;*

*(b) LOS2 may be declared when a power system is short of stand-by generation plant capacity up to an amount specified in the Secure System Guidelines, and the Power System Controller considers that there is a material risk of involuntary manual load shedding following the Critical Credible Contingency; and*

*(c) LOS3 may be declared when a power system is short of stand-by generation plant capacity in excess of an amount specified in the Secure System Guidelines, and the Power System Controller considers that there is a material risk of involuntary manual load shedding following the Critical Credible Contingency; and half-hourly rolling outages are imminent.”*

**Detailed breakdown of NRN’s issued by SC during reporting period 1 July 2024 – 31 March 2025.**

NRN's by LOS category				
	LOS1	LOS2	LOS3	Total
DKPS	2	4	0	6
ASPS	1	7	0	8

The below table gives a breakdown of the NRN’s durations. Whilst these durations refer to days, the LOS for which the NRN is issued, typically only occurs during the evening peaks.

NRN's active duration				
	≤1day	≤2day	≤5day	Total
DKPS	4	2	0	6
ASPS	2	2	4	8

It should be noted that, TGen are the largest system participant, ‘generator of last resort’ and are directed to operate specific machines in certain combinations to provide Essential System Services. NRN instances can be due to a shortage of energy capacity but are often due to a shortfall in ESS, such as the inertia provided by specific machines.

TGen has projects near completion and in development phase to counter these issues and supplement the required ESS, reducing the likelihood of NRN's being issued for the power system(s). These projects are:

- DKBESS battery at Channel Island – this has successfully completed the reliability run and the acceptance report is being reviewed by System Control.
- Synchronous Condenser conversion of C1 at Channel Island – Tendering phase
- BESS 2 – Battery project in the tendering phase. This includes a new BESS at Berrimah, Katherine and Alice Springs.

TGen continue to meet the SCI availability target across the fleet of >88% and our experienced maintenance teams continue to return machines to service in a timely manner following planned or forced outages, particularly when a power system is in a non-reliable state.