**Response to System Strength Impact Assessment and Power System Modelling Guidelines**

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# Background

## Tilt Renewables

Tilt Renewables owns and operates a wind generation portfolio with an installed capacity of 582MW. Installed capacity is made up of 307 operating turbines across 7 wind farms and includes both Australia’s second largest, and New Zealand’s largest wind farms. Our pipeline of development projects has the potential to produce more than 2000MW of additional renewable generation capacity, both wind and solar.

Tilt Renewables owns is presently developing additional wind and some solar farms throughout the NEM.

## The System Strength and Power System Modelling Guidelines

AEMO is seeking responses on its draft System Strength Impact Assessment Guidelines and its Power System Modelling Guidelines. Tilt Renewables is appreciative of the opportunity to contribute to this important work.

# System Strength Impact Assessment Guidelines

In section 4.1.2 of the Guidelines, there is a statement that reads:

“An Applicant should obtain clarification from the NSP as to what method has been used by the NSP for the Preliminary Assessment.”

Tilt Renewables recommends that this wording be altered to:

“Prior to undertaking the Preliminary Assessment, the NSP is required to notify the Applicant of the method to be used for the Preliminary Assessment. As part of that notification, the NSP is required to provide details of how the method is implemented.”

Such a change will ensure transparency of the process without the need to request it.

# Power System Modelling Guidelines

Tilt Renewables notes that in the Definitions, “Disturbance” is defined as “One or more of the following, in any combination”. Given that the Original Equipment Suppliers (OEMs) are required to demonstrate the suitability of their models for “Disturbances”, this definition is too broad. It is unlikely that a generator would be subjected to a “Disturbance” comprising a combination of all listed items.

Tilt Renewables thinks that the definition should be drafted as “One of the following”. Should the Modelling Guidelines need to consider multiple Disturbances, it should be clearly drafted to enable the OEMs to understand which combinations are relevant and need to be considered when demonstrating the suitability of their models

# Concluding Remarks

Tilt Renewables recognises the importance of ensuring a stable power system. We look forwards to working further on this topic with AEMO.