

# Service Standards Forum

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## TransGrid

Mal Park

Executive Manager/Strategic Network  
Development



# Introduction

- TransGrid supports this ACCC process in developing appropriate Service Standards
- Need to ensure that correct incentives for TNSPs to give maximum market benefits are developed
- TransGrid's various obligations
- TransGrid's view on proposed measures

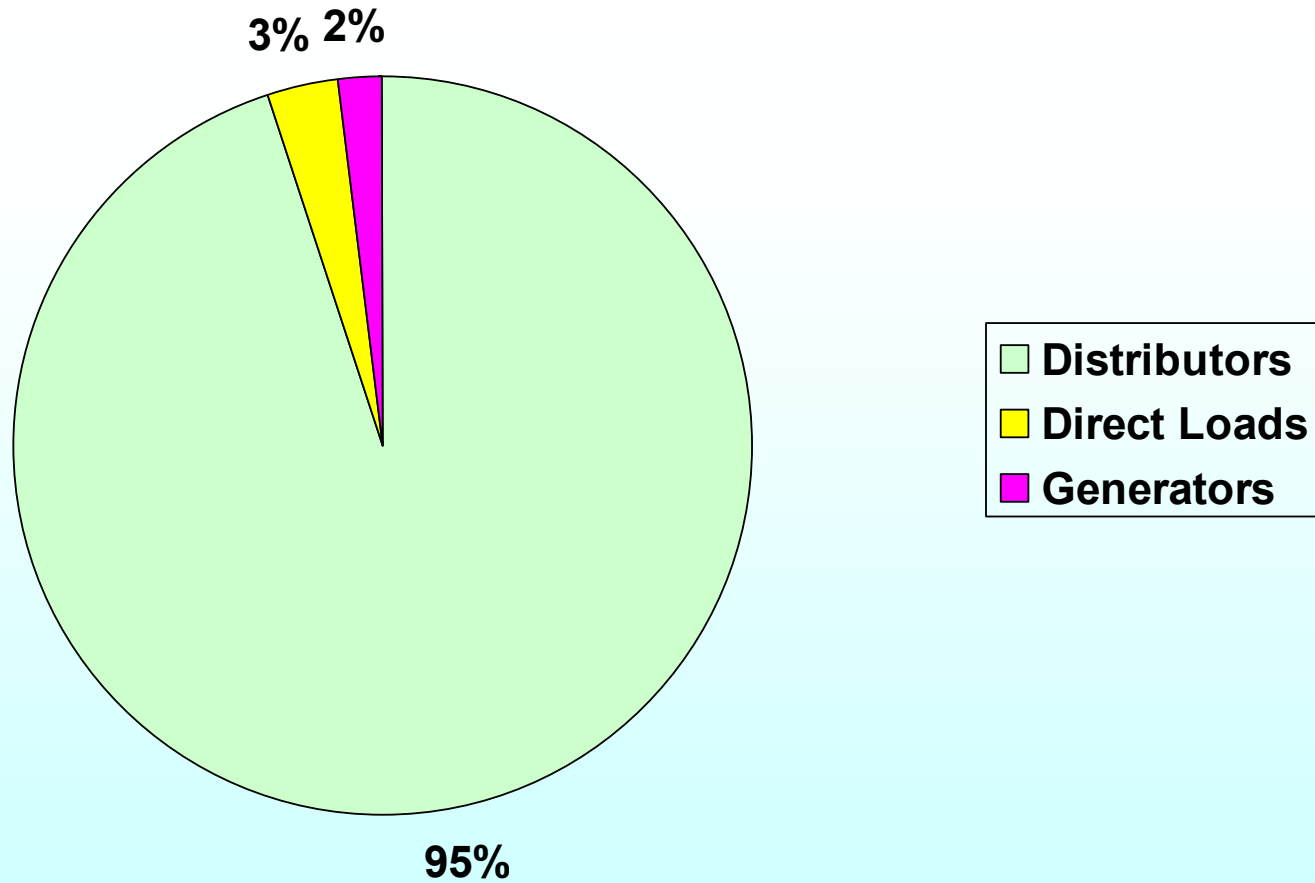
# TransGrid's Role & Obligations

- To provide a reliable supply to customers
- To connect consumers and market participants
- To facilitate trading for market participants
- To meet all statutory and legal requirements

# Reliable Delivery to Consumers

- Code and Jurisdictional requirements to appropriate secure supply
- Consumers (through DNSPs etc) predominately provide TNSPs income.

# TransGrid Revenue Sources



# Historical Network Development

- TransGrid has always been cognisant of the need to provide flexible generation dispatch alternatives.
- Outages have always been scheduled to minimise network constraints.
  - Low load seasons (Autumn/Spring)
  - Low load days (weekends)
  - Low load times
- Historically network developed by vertically integrated organisation that had control of both transmission and generation dispatch.

# Current NEM Network Needs

- Complex “constraint equ’s” used to maximise network capability
- Interconnection flows now more volatile and unpredictable
- TNSP’s need the “Right” signals to help minimise market disruption





# Market Facilitation

NCAS Dispatch  
(NEMMCO & TNSPs)

Trans. Investment  
(TNSPs + 3<sup>rd</sup> Parties including ACCC decisions)

Define Credible Contingency  
(NEMMCO & TNSPs)

Flows on other links  
(Market Bids)

Trans Outages  
(TNSPs + Planning needs)

Generation Patterns  
(Market Bids)

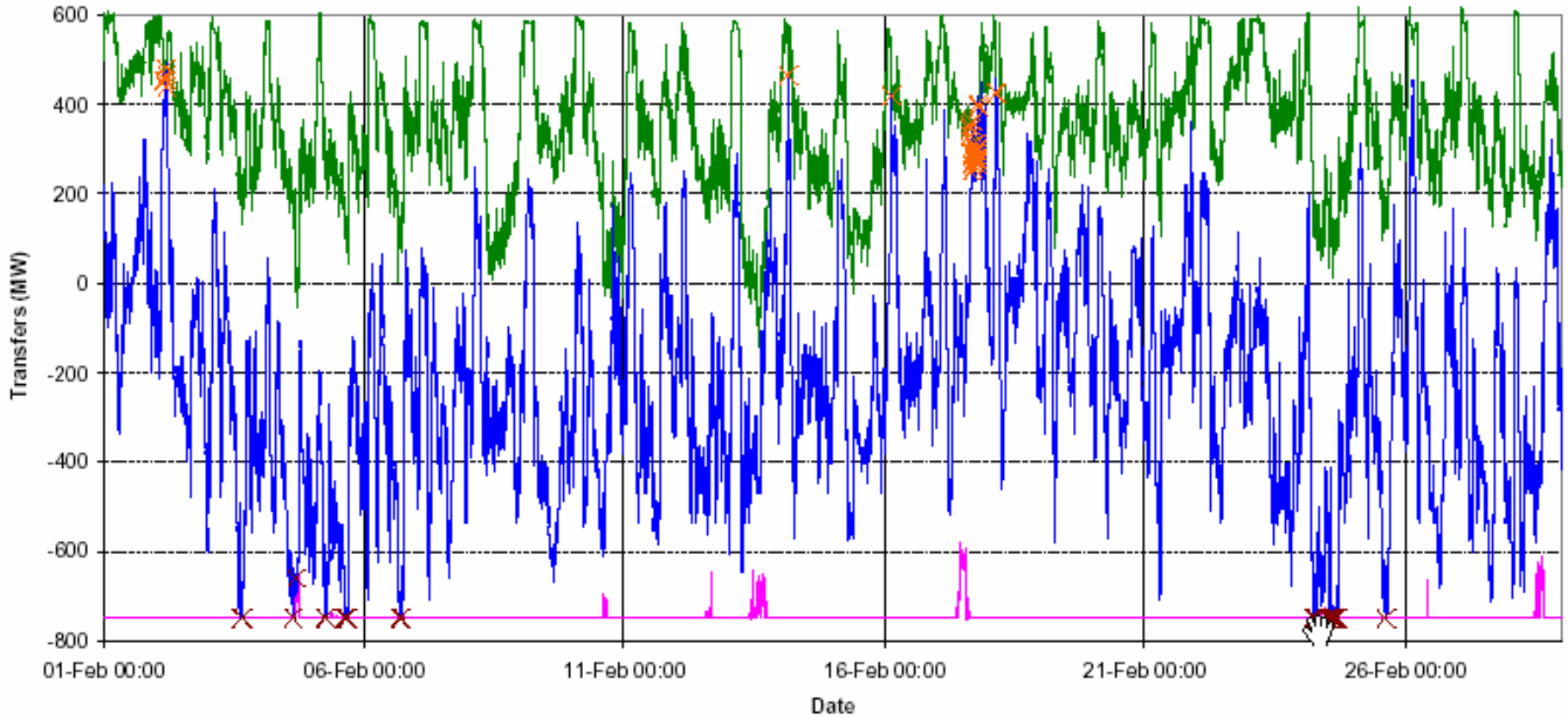
Equipment Ratings  
(TNSPs & MNSPs)

System Demand

Constraint Equations

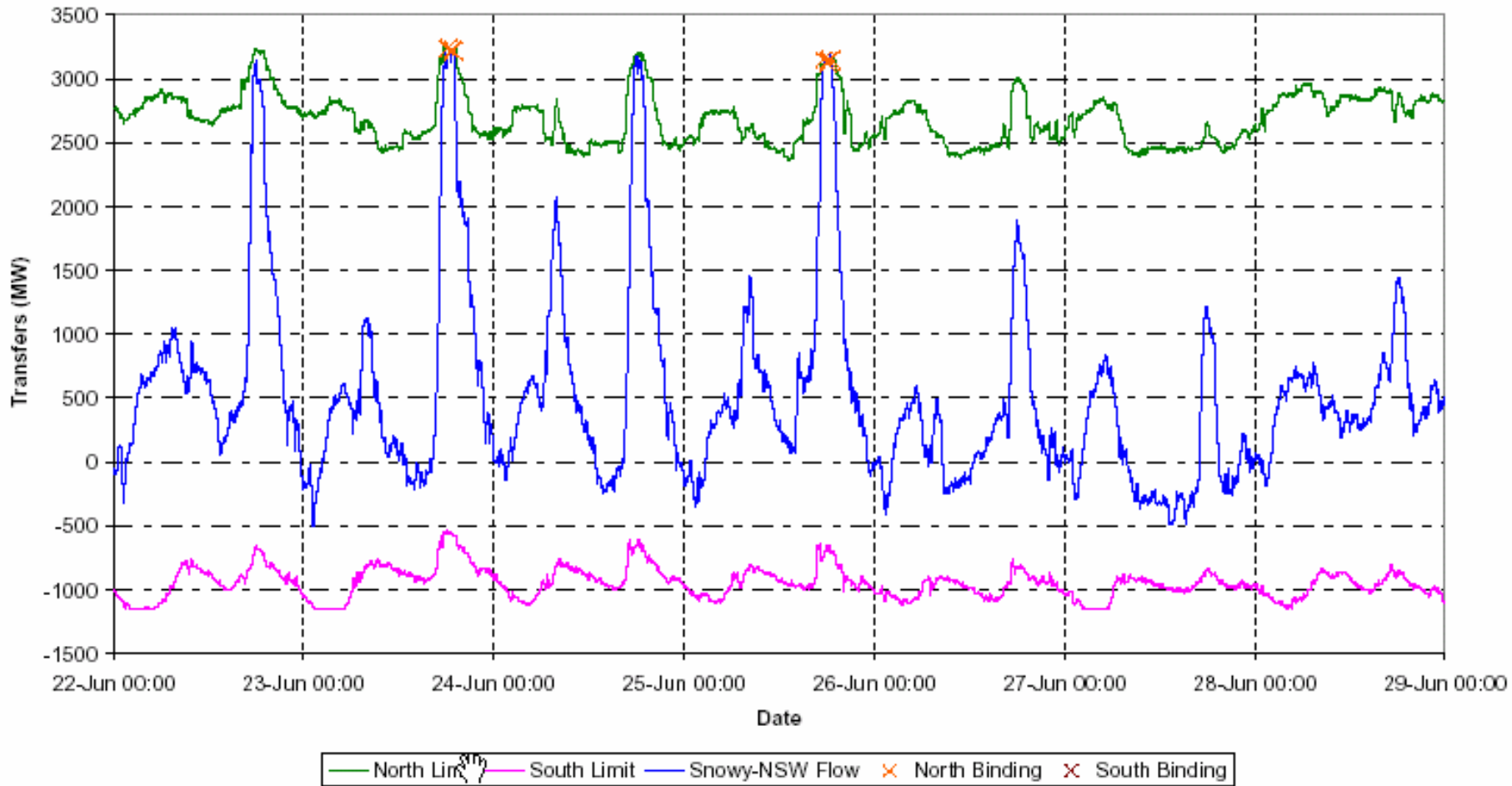
Transmission Capability

## QNI Transfer and Limits 01-Feb-2003 to 28-Feb-2003

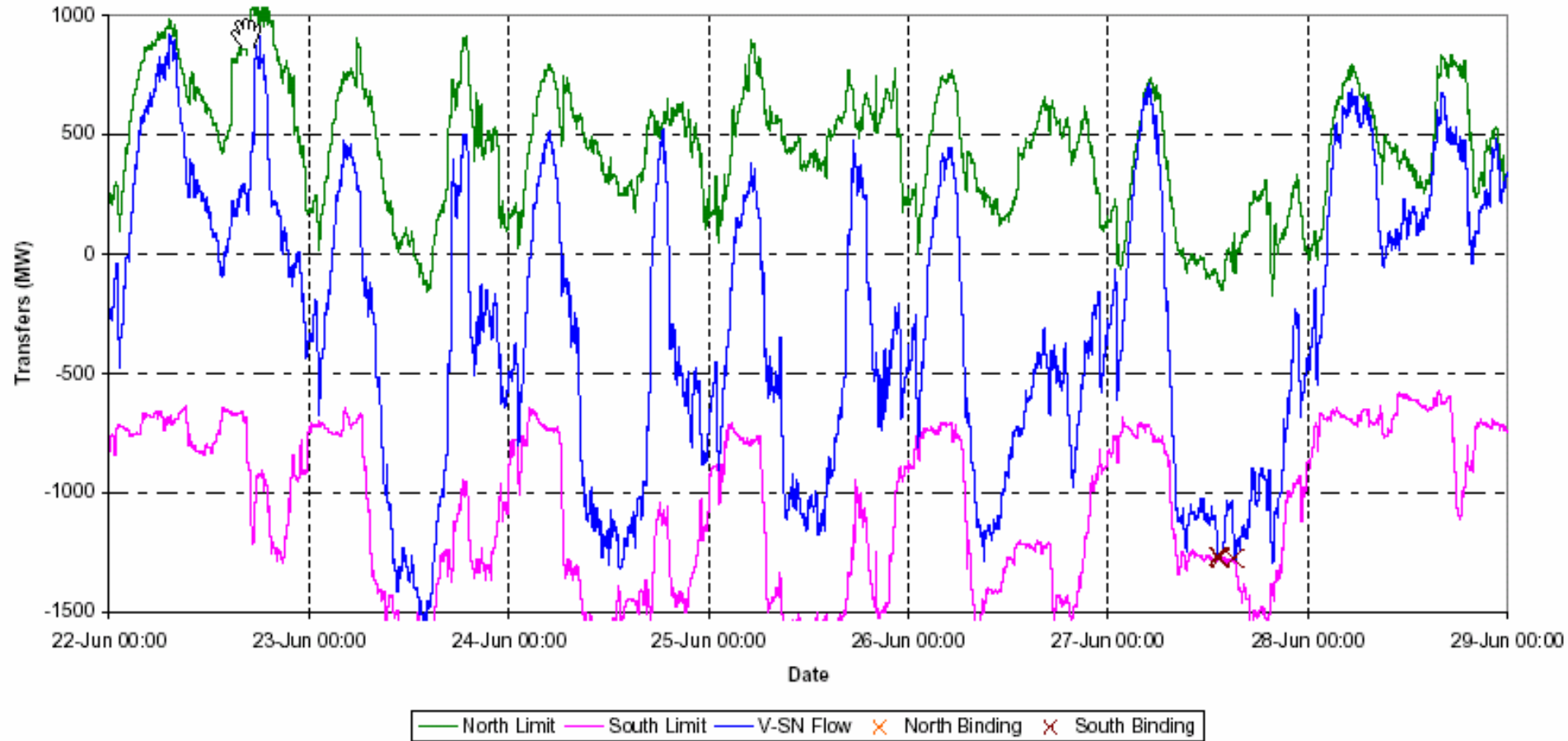


— North Limit — South Limit — QNI Flow × North Binding × South Binding

## Snowy-NSW Transfer and Limits 22-Jun-2003 to 28-Jun-2003



## V-SN Transfer and Limits 22-Jun-2003 to 28-Jun-2003



# Network Related Measures

## Supported in principle by TransGrid

1. Transmission circuit availability
2. Loss of supply event frequency index
3. Average outage duration

# Market Related Measures

TransGrid does not have control of all the levers, hence does not support, as currently defined, Measures:

4. Transmission Constraints (Intra-regional)
5. Transmission Constraints (Inter-regional)

# Discussion of Market Related Measures

- **Do market participants prefer;**
  - Predictability of outage scheduling (REIMS) or
  - Outages scheduling in response to spot prices?
- What meaningful price signals can assist TNSP's in timing of transmission outages
- TNSP's want to be involved in any further consultation on Market Related measures