



TransGrid

NSW APR 2010 FORUM

Connection of New Generators

Green Room
Wesley Centre

George Brooks
A/M/Regulated Transmission Access



OVERVIEW

- Role of TransGrid
- Recent Experience and Achievements
- NEM Rules and TransGrid Processes
- Working with TransGrid



- **Regulatory - Energy Services Corporation Act (1995)**
“to promote effective access” to transmission facilities
- **Publicly - APR 2010, Section 7.1.5**
“...TransGrid’s planning and development function is to provide connections for proposed new generators.”
- **Internally - 2009/10 Statement of Corporate Intent.**
“...and provide effective access to new customers and generators.”



Recent Experience and Achievements



- NSW Region experiencing a load growth of about 400MW each year
- TransGrid presently is engaged in:
 - 30+ active Connection Enquiries seeking information. (~4000MW)
 - Processing several formal but non conforming Generator Applications (~1700MW)
 - Majority of activity is in Gas and Wind Projects
- Three new generator connections to the TransGrid network commissioned in recent years. (~1400 MW)



NEM Rules and TransGrid's Processes



- All electrical energy passes through the National Electricity Market (**NEM**).
- TransGrid, Customer and AEMO are governed by the National Electricity Law (**NEL**)
- The Australian Energy Market Commission (**AEMC**) responsible for the **Rules** and manages the **Rules Change** process.



NEM Rules and TransGrid's Processes



- TransGrid's Website provides full details
-  The GridAustralia process guidelines apply to TransGrid
- Website contains standard TransGrid documents and agreements
- Under Rules confidentiality provisions, TransGrid unable to be a JV co-ordinator.



NEM Rules and TransGrid's Processes

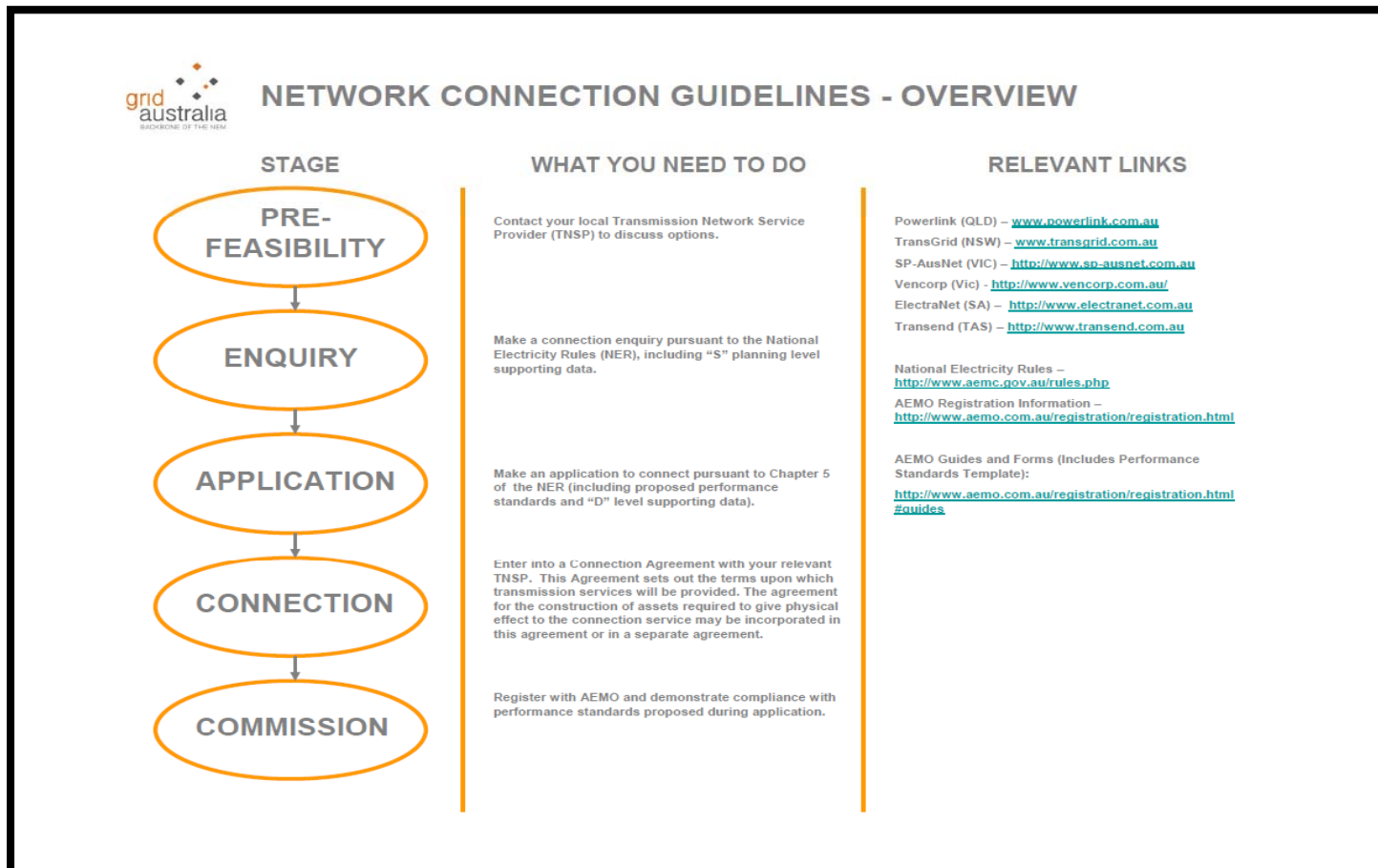


TRANSMISSION NETWORK CONNECTION GUIDELINES

Version 1 - July 2009



NEM Rules and TransGrid's Processes



Working with TransGrid



- A **Transmission** Network Connection is not a sequential process,
- A **Transmission** Network connection is a developmental process. TransGrid understands project uncertainty
- **TransGrid** works together with the Applicant to develop a connection that meets the applicants needs and integrates the generator into the network without undue impact on connected customers and other generators.



Working with TransGrid



TransGrid and the Connection Applicant working together through all the issues. eg.

- Network capability
- Connection site
- Connection design, non-network options?
- NEM and TransGrid technical requirements
- Interacting with AEMO
- Regulatory and Environmental approvals
- Construction timing and costs
- Testing, Commissioning and AEMO Generator registration.



Working with TransGrid to deliver your new Connection...



330kV



APR 2010 Forum



Questions and Discussion



APR 2010 Forum Closing



Ashok Manglick
Acting Executive General Manager/ Network Planning & Performance



