

Commissioning Huntly Unit 5

Industry briefing
20 November 06

(1)

TRANSPower



SYSTEM OPERATOR

Agenda

- Welcome – Kieran Devine, GM System Operations
- Introduction (5 min)
- Technical changes (15-20 min)
 - Risks covered
 - Tool changes
- Operational process (15-20 min)
- Scenarios and impact analysis (15 min)
- Questions and discussion (45 min)
- Close

(2)

TRANSPOWER

SYSTEM OPERATOR

Introduction

Dan Twigg
Risk & Performance Manager

(3)

TRANSPower



SYSTEM OPERATOR

Huntly U5 commissioning objectives

- Commission the plant to:
 - demonstrate asset capability
 - confirm asset can be connected to grid
 - retain secure power system
 - comply with the rules (Part C and Part G)
 - meet Genesis's economic objectives
 - meet industry/community winter 2007 expectations.

(4)

TRANSPower

SYSTEM OPERATOR

Huntly U5 commissioning

Relevant factors in SO approach

- Commissioning 385 MW on NZ system.
- Unclutched single shaft CCGT.
- Commissioning in developed electricity market.
- Commissioning in 'low demand' summer period.
- Industry/community interest.

(5)

TRANSPOWER

SYSTEM OPERATOR

Huntly U5 commissioning: approach

1. SO internal resources - substantial

- Technical.
- Market.
- Operational.
- Compliance.
- Project management.

(6)

TRANSPower

SYSTEM OPERATOR

Huntly U5 commissioning: approach

2. External resources

- Technical oversight. SKM (UK) engaged to advise on technical issues:
 - comment on plant owner information
 - review commissioning plans
 - ride thru capability/stability
 - international perspective.
- Risk Management. F Stoks engaged to advise on risk management approach:
 - internal preparedness of Transpower (grid; IT; SO procedures; planning; unexpected events)
 - joint Genesis/Transpower planning meetings
 - internal SO risk management plan (based on Genesis commissioning schedule).

(7)

TRANSPOWER

SYSTEM OPERATOR

Huntly U5 commissioning: approach

- Reasonable and prudent operator:
 - prime responsibility to industry/public
 - SO determines this.
- Responsible for secure, economic dispatch.
- Have determined commissioning risk:
 - CE until satisfied risk is reduced to ECE.
- Policy statement applies; consistent approach by SO.

(8)

TRANSPower

SYSTEM OPERATOR