

# Transmission scenarios 2050

## Identifying potential needs for transmission out to 2050

Transpower, 8 September 2008

TRANSPOWER



# Scenarios

- A matter of understanding...
- Compared with quantitative modelling/forecasting, scenarios gives a systematic approach to uncertainty, scope for dealing with radical system changes, and less easily quantified drivers, such as culture and politics.
  - Cheshire and Surrey (1975): “computation becomes a substitute for understanding”
- Based on the understanding, quantification still have to be made to form the inputs to the transmission need assessment.
- Modelling allows analysis of multiple (quantitative) interacting drives



# Programme

## **Part 1 – Setting the scene (9:30 AM – 10:45 AM)**

- Introduction by Patrick Strange, CEO, Transpower
- Grid Development Strategy by Nalin Pahalawaththa, GDS project leader, Transpower
- New Zealand's Infrastructure Challenges by Arthur Grimes, Senior Fellow, Motu

## **Morning tea**

## **Part 2 – Interactive session (11:00 AM – 2:00 PM)**

- GDS scenario approach by Magnus Hindsberger, Work package leader, Transpower
- Introduction to group work by Andrew Smaill, Partna Consulting Group
- Discussions in groups (including lunch)
- Presentations and discussions
- Summing up and the road ahead by Magnus Hindsberger, Transpower

