High System Voltage

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High System Voltage

- How have demand levels changed?
- How has this effected system voltage?
- How are we managing it now?
- What do we plan to do in the future?
Demand Levels

MW demand at 88% of 2005 levels
MVAr demand at 48% of 2005 levels
Voltage Levels
Voltage Levels

- Increase in voltage levels is due to:
  - Reduced absorption of MVAr
    - A reduction in MW demand reduces MVAr demand
  - Reduction in reactive consumption in the distribution networks.
  - Unavailability of generation in the South
  - Reduced reactor availability
  - Interconnector transfers
Current Strategy

- Operation at lower system voltage
- Voltage Control Circuits
  - Cables switched out overnight
- Generation
  - Additional generation synchronised at SEL
Constraint Costs

Increased Reactor Availability

Reduced Availability of Southern Generation
Will this continue?

Downward trend in Q/P ratio indicating further drop in MVAr demand
Future Strategy

- Increase reactor availability in key locations
  - Relocate reactors
  - Reactor replacement program 2013-16
- Develop contracting options
  - Generation tender for reactive capability
    - Operation below SEL
    - Optionality
Q&A

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