

High System Voltage

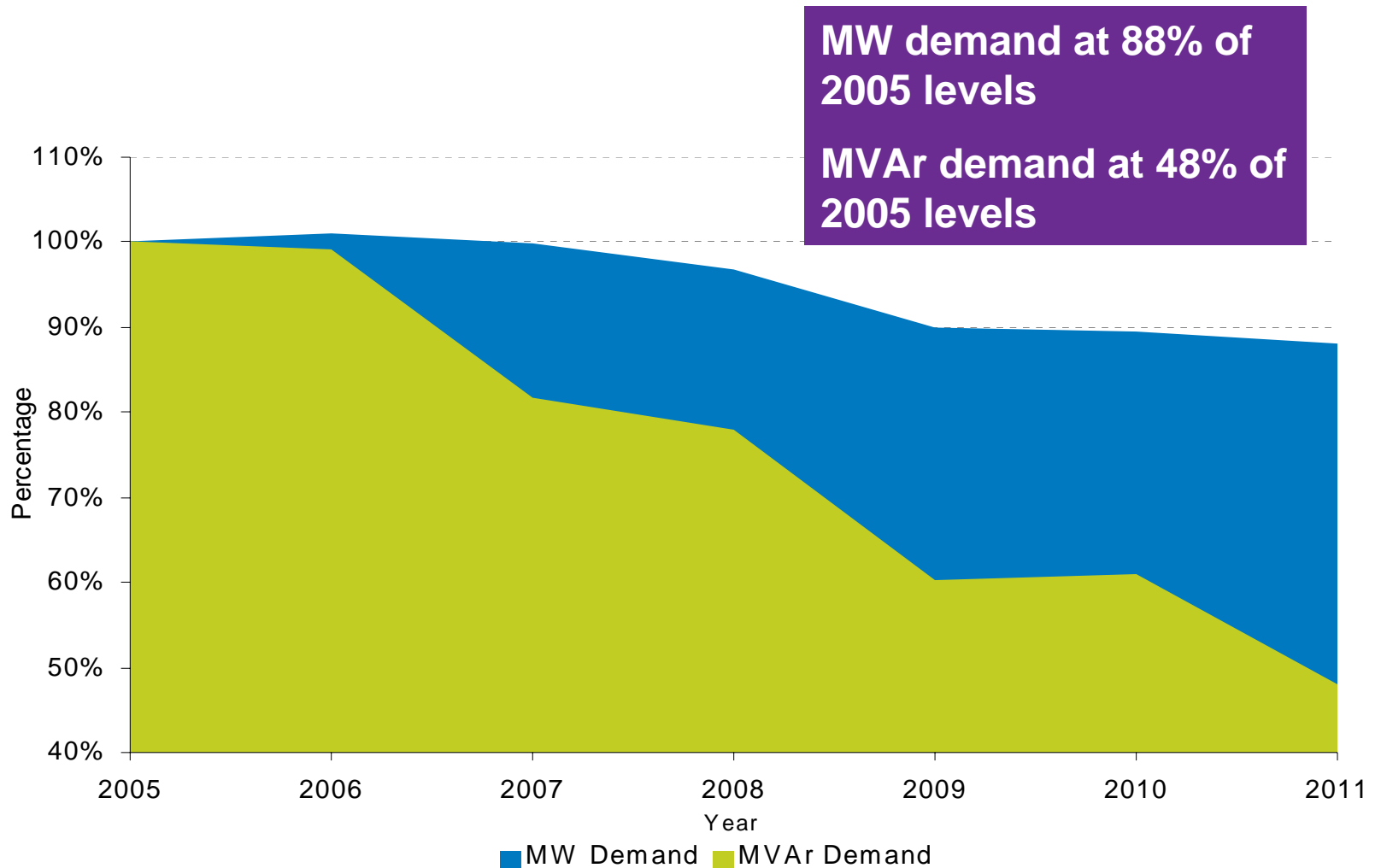


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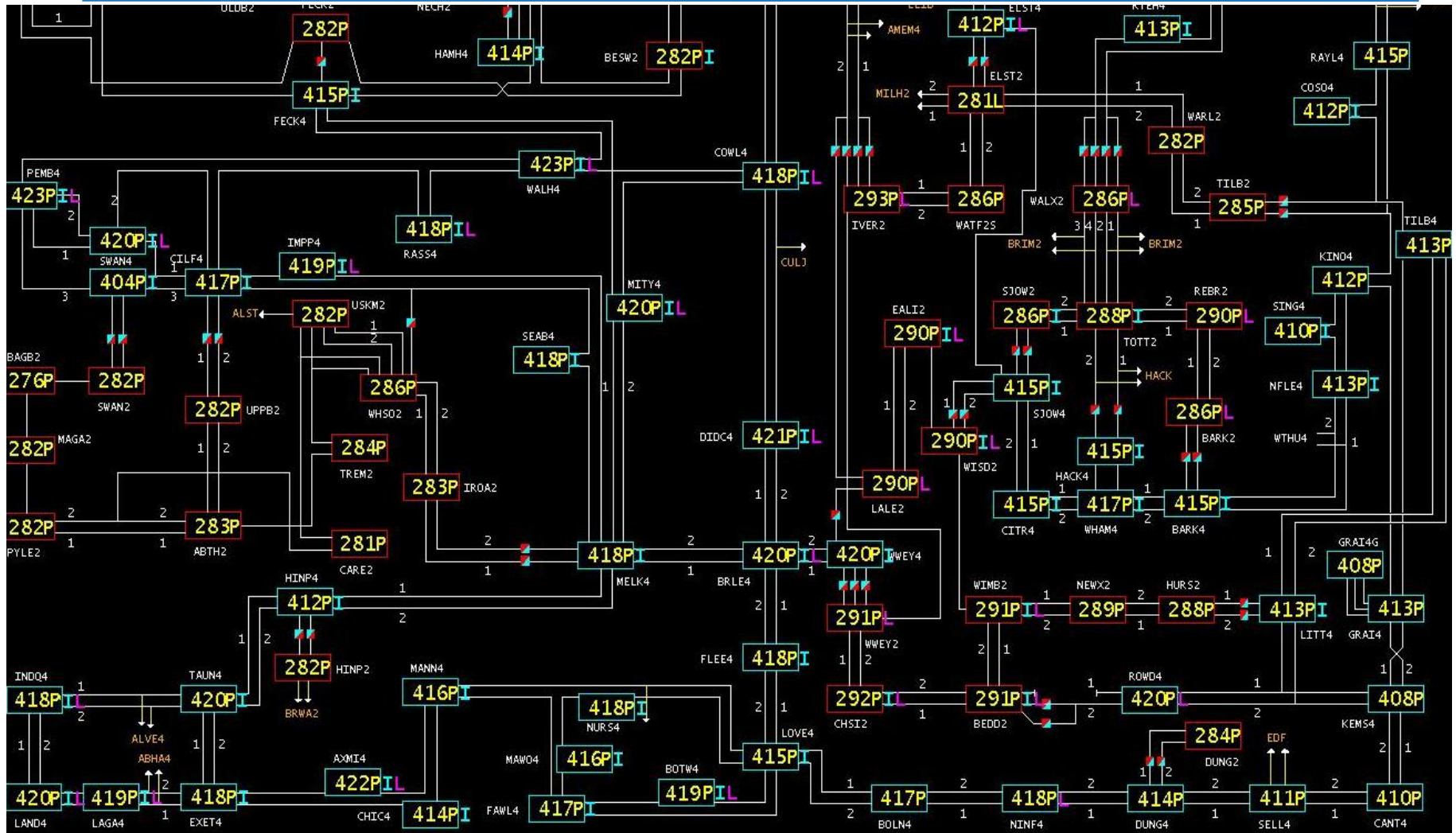
High System Voltage

- 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

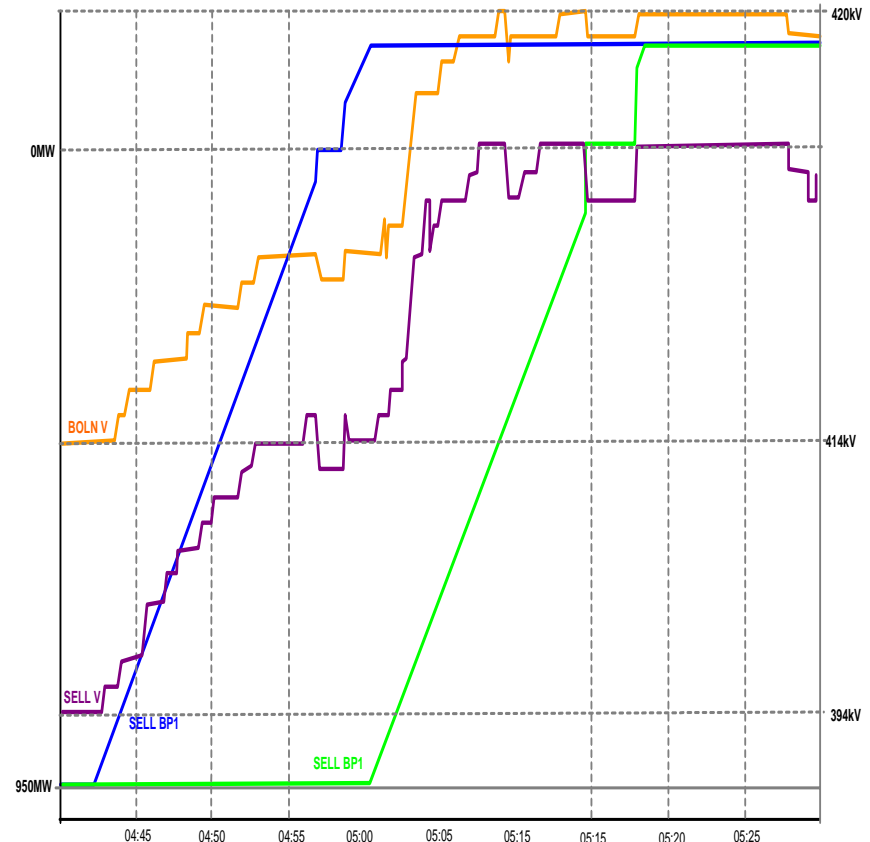


Voltage Levels



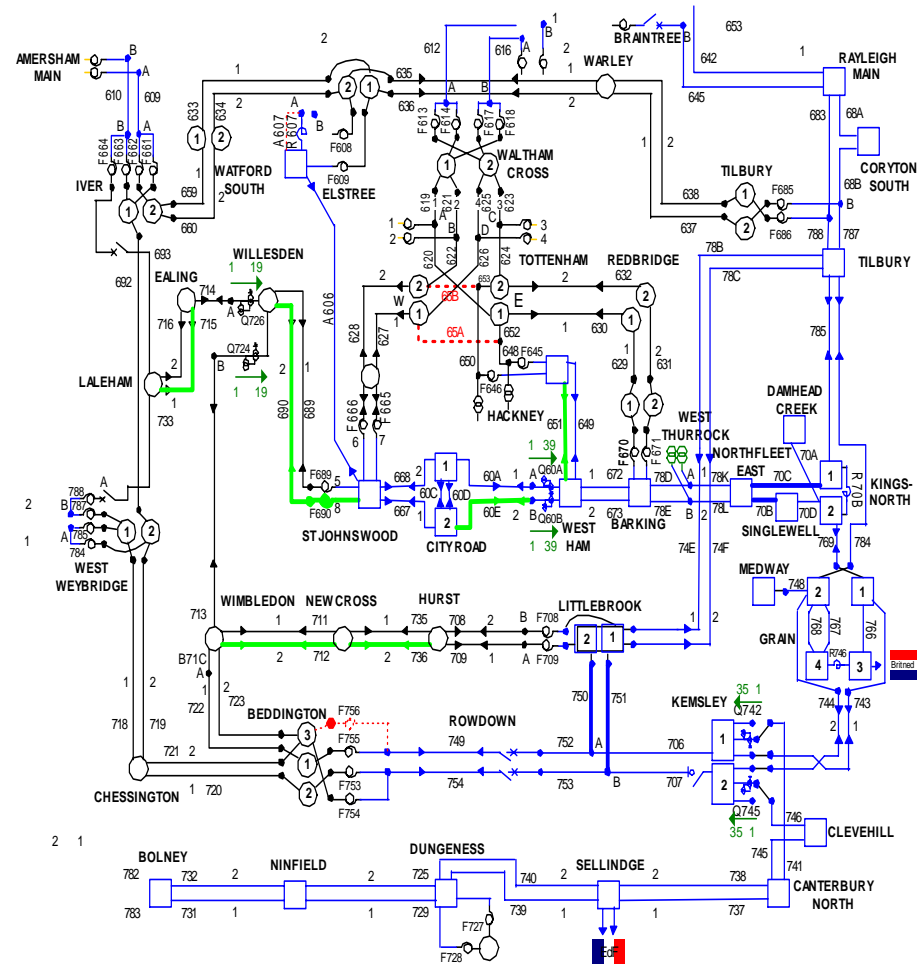
Voltage Levels

- Increase in voltage levels is due to:
 - Reduced absorption of MVARs
 - 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

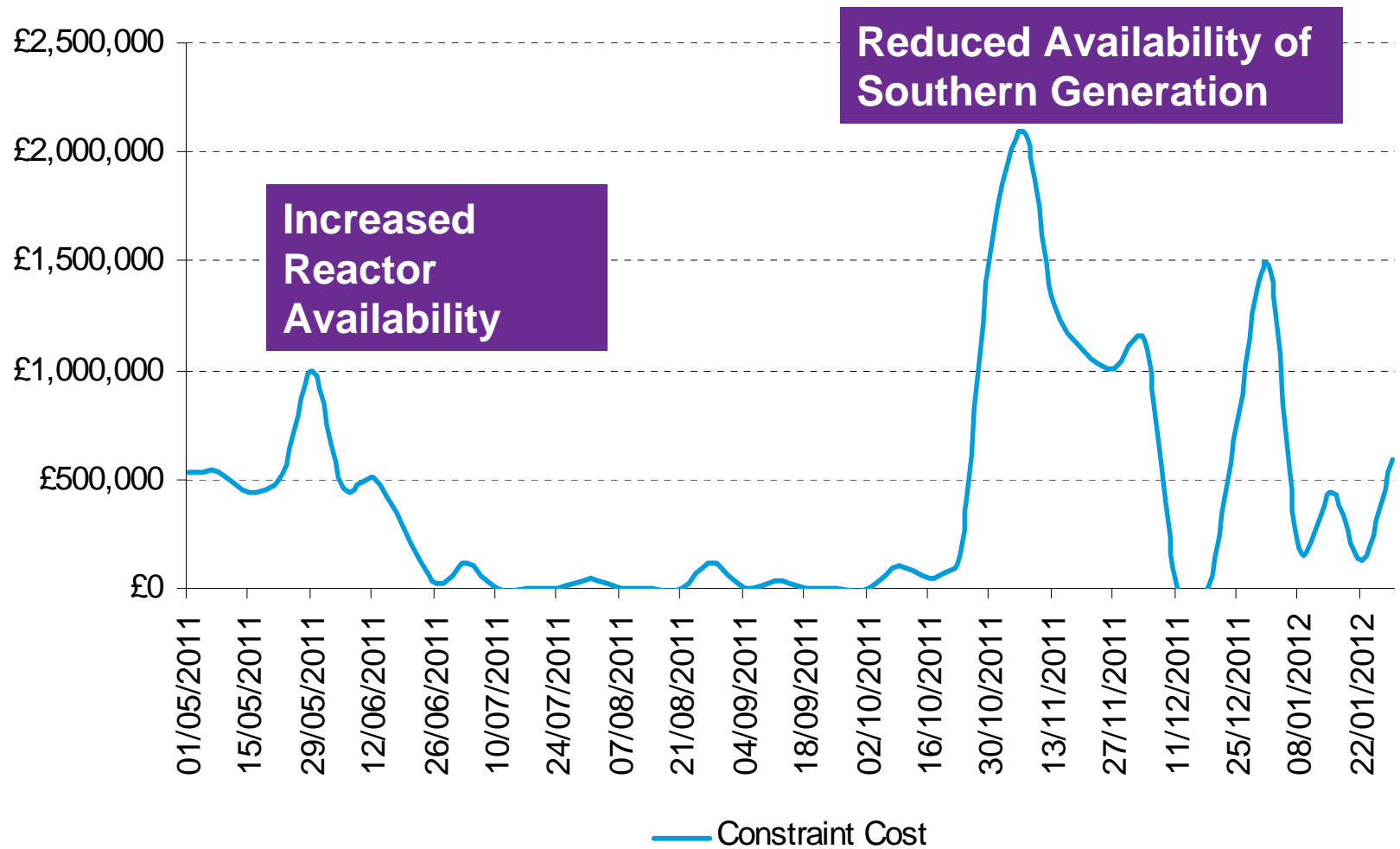


Current Strategy

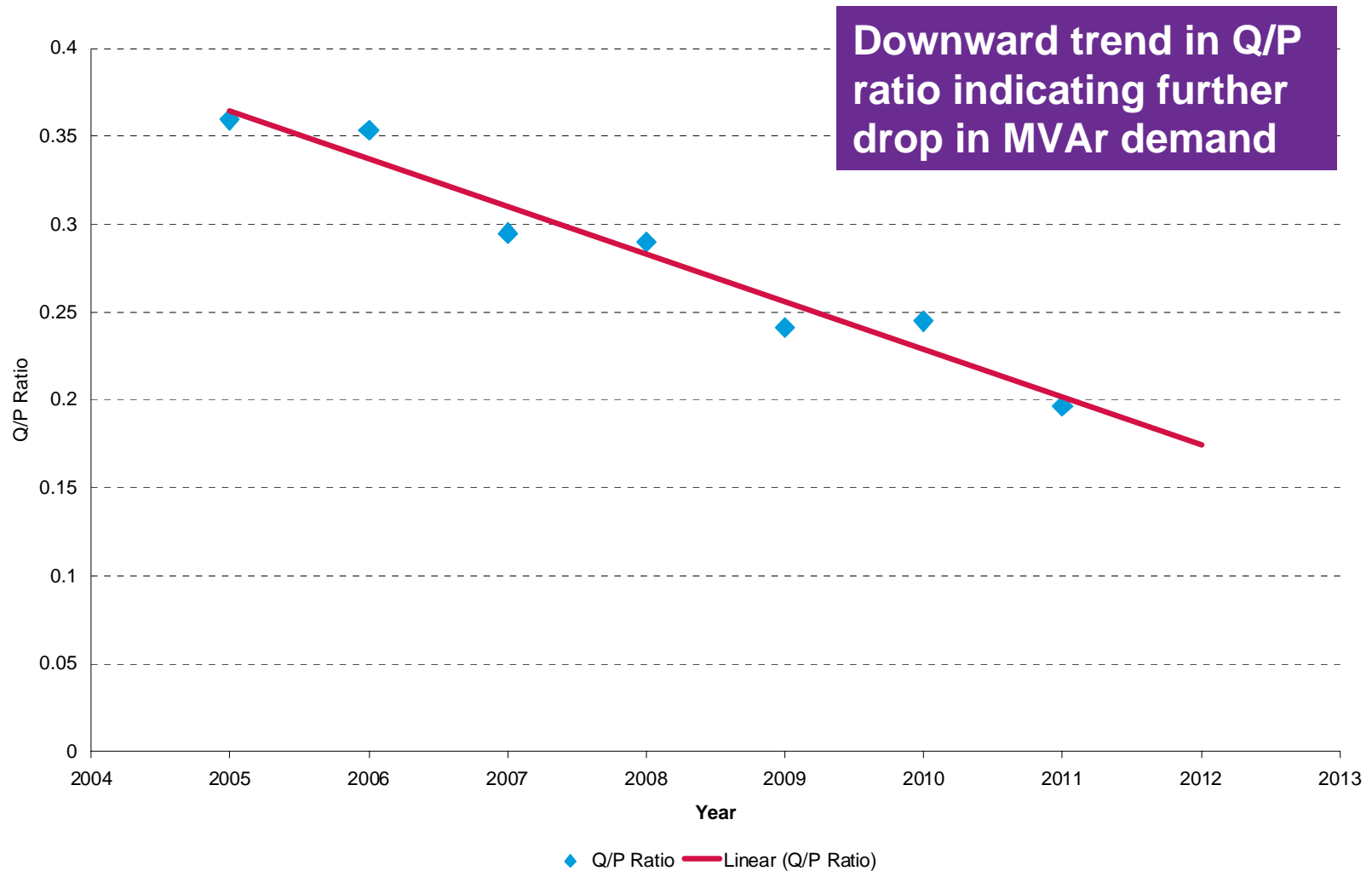
- Operation at lower system voltage
- Voltage Control Circuits
 - Cables switched out overnight
- Generation
 - Additional generation synchronised at SEL



Constraint Costs



Will this continue?



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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