



Operational Update



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Agenda

- Overnight Operation
- Wind Curtailment

Operational Update – Overnight Operation



Voltage Standards

- Maintain voltages across the system in line with the National Electricity System Security and Quality of Supply Standards
- Applies to both post-fault and steady state conditions
- Requires management of reactive gain and loss across the system and balance of active power generation against demand in a given area

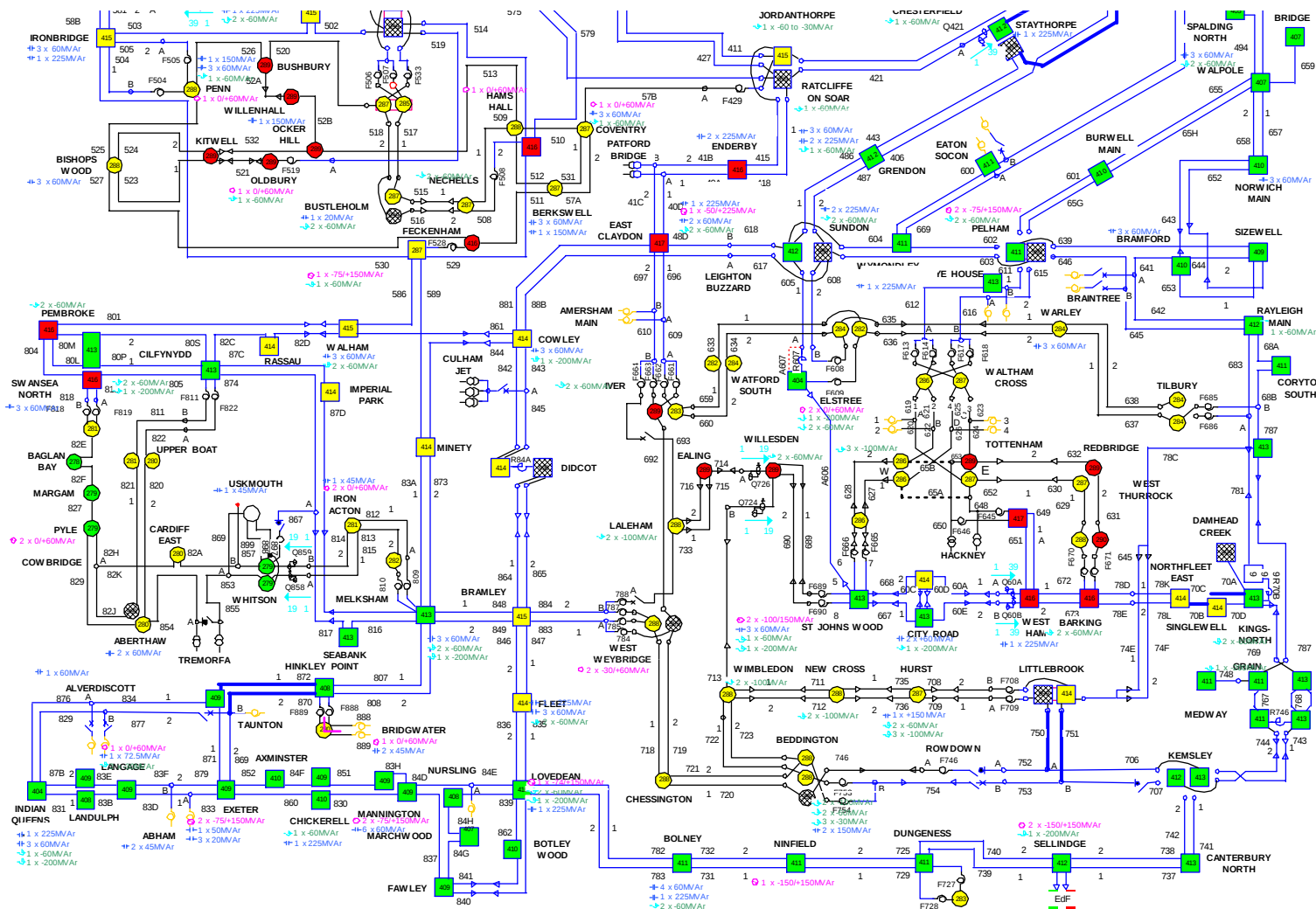
System Gain

- System built for peak demands, low demand leaves lightly loaded circuits

- Lightly loaded circuits :
 - Capacitive effect
 - Particularly cable circuits

 - “generate” MVArS – increases volts

Overnight Operation – Voltage Control



Overnight Operation – Other considerations

As well as voltage control...

- Ensure sufficient “footroom”
- Ensure sufficient response capability maintained
- Satisfy local transmission constraints
- Complex to manage

Operational Update – Wind Curtailment



Wind Curtailment

Number of Days Wind Output Reduced via BM

