On-the-day decisions in the Control Room

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System complexity

- Higher levels of renewable generation
- Demand variability
- Conventional generation being displaced
- Low system inertia
- Less system flexibility
Demand curve May 2017
What a difference a day makes
Saturday 25 March 2017 was ‘sunny’
Operational challenges 25 March 2017

- Thermal & Voltage Constraints
- Low System Inertia
- Frequency Response Requirements at low demand
- Negative Regulating Reserve Requirement
- Decisions impacting evening peak strategy
Monday 27 March 2017 was ‘not too sunny’
Key messages

- Energy diversity leads to a wide range of demand profiles and operational challenges

- Wide range of operational tools and strategies available which enables secure and economic system operations

- Actions we take can sometimes appear confusing or expensive but this isn’t deliberate