

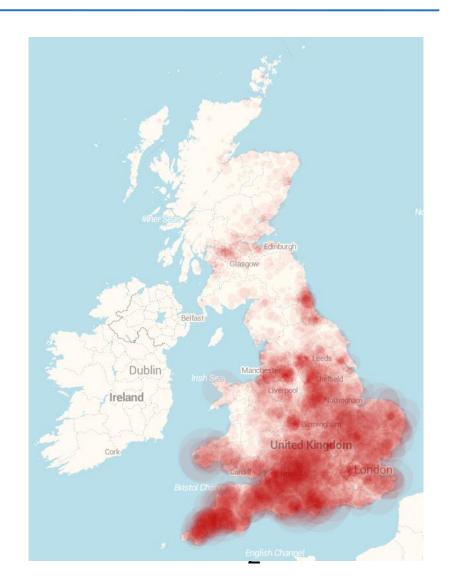
Winter 2016/17 operational context

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Winter challenges to dispatch and forecasting

- Cold Winter
 - Margin
 - Triads
 - Customer Demand Management
- Generation Mix
 - Impact of LCPD
 - Wind Variability
 - Embedded Distributed Generation
- Demand Forecast
 - Within Day Forecast
 - System Warnings
- System Control
 - Wind Predictability
 - Reserve Levels
 - Frequency Control





Supplemental Balancing Reserve

This is the last winter where Supplemental Balancing Reserve is in contract before it is replaced with the Capacity Market.

Coal plant & Gas turbines have been contracted with maximum lead time up to 52 hours.

Long notice plant could be warmed without System Warnings being in place.



Capacity Market Notices

2016/17 represents a learning opportunity

Capacity Market commences on 01 October 2016 500 to 700MW in Transitional Arrangements for 2016/17 year New Capacity Market Notice / System Stress Events communications CMNs effectively an early warning notice (4 hrs), not operational dispatch New subscribable website to support obligations (gbcmn.nationalgrid.co.uk)