Summer Operability

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What did operating the network feel like this summer?

How does this manifest itself in terms of actions National Grid must take?

What lessons are we learning for next year?
Summer operating context

Sunday 3 July 2016

Sunday 9 August 2015

Sunday 7 August 2016

Generation (GW)

Nuclear  Coal
Wind  Gas
Solar  Other

Trans. Demand
Wind  Solar
Playing whac-a-mole

Constraints
Margin
Voltage
Inertia
7th August case study

- Sunny and very windy
- Record low demand: 16.4 GW early morning & 19.7 GW in afternoon
- Mid holiday season
- Not very warm
- At point of lowest demand, circa 70% of market repositioned

Total cost of balancing actions: £9.9m

- Constraints: £7.4m
- Black Start: £0.34m
- Response: £0.73m
Preparing for future years

- Transparency of information
- New contracts and services