Cost Outturns for May - August 2015

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<tbody>
<tr>
<td>RoCoF</td>
<td>2.66</td>
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<td>4.57</td>
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<td>Others</td>
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<td>Constraints</td>
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<td>Energy</td>
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<td>34</td>
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<td>36.7</td>
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Cost Outturns for May

- £93.3M

- High wind output on 11th/12th, 16th/17th and 31st May resulted in high constraint spend.

- Increased response costs due to demand uncertainty (Solar PV and embedded wind output).
Cost Outturns for June

- £68.8M
- High wind output on the 1st, 6th, 17-18th and 28-29th June.
- Drop in overall costs
- Response, reserve and reactive costs dominated due to continued demand uncertainty.
Cost Outturns for July

- £65.9M
- High wind output on the 17 & 18 July
- Response, reserve and reactive costs dominated due to continued demand uncertainty and generator unavailability
Cost Outturns for August

- £74.7M

- High wind output on several days in August saw significant costs for managing system constraints

- Response, reserve and reactive costs dominated due to continued demand uncertainty and generator unavailability
Active constraints – May

- Constraint: £35.8M
- RoCoF: £2.66M
- Cheviot constraint active during Blyth-Eccles-Stella West outage which reduced the SCOTEX by 500MW
- England and Wales spend mainly driven by Voltage requirements and RoCoF
Active constraints – June

- Constraint: £21M
- RoCoF: £4.62M
- Blyth-Eccles-Stella West outage continued into June
- RoCoF spend increased with trades required every day.
- Fewer gas units self-dispatching overnight increasing National Grid actions for voltage management
Active constraints – July

- £15.8M
- Blyth-Eccles-Stella West outage continued into July
- RoCoF remained a high spend factor throughout the month of July requiring interconnector trades overnight, and weekend daytime
- BOA and Trades required overnight for voltage management
Active constraints – August

- £24.4M
- Scotland – England boundary outages continued into August
- ROCOF spend continued into August with interconnector trades overnight, and weekend daytime. Plus BOA action required in real-time
- BOA and Trades required overnight for voltage management
Minimising Balancing Costs

- SCOTEX constraint
  - Utilisation of intertrip
  - Rating enhancement
  - Optimal outage placement
- Voltage
  - Voltage Control Circuits
  - Index–linked Contracts
  - Trades
- RoCoF
  - Interconnector trades
- Energy
  - Fast Reserve contracts
  - FFR contracts
  - Combined voltage/FFR contracts
BSUoS Forecast Update 2015/16
BSUoS Forecast 2015-16

- External BSUoS costs estimated to be: £882.1M
- Internal Costs: £163M
- Total BSUoS costs estimated to be: £1,045M
- Total Charging Volume: 567.6TWh
- Est. BSUoS charge: £1.84/ MWh
Q&A

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