

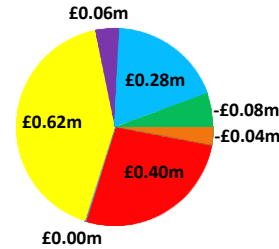
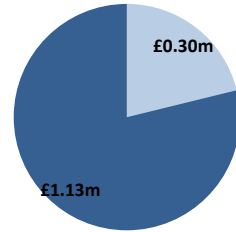
Daily Balancing Costs

Date:

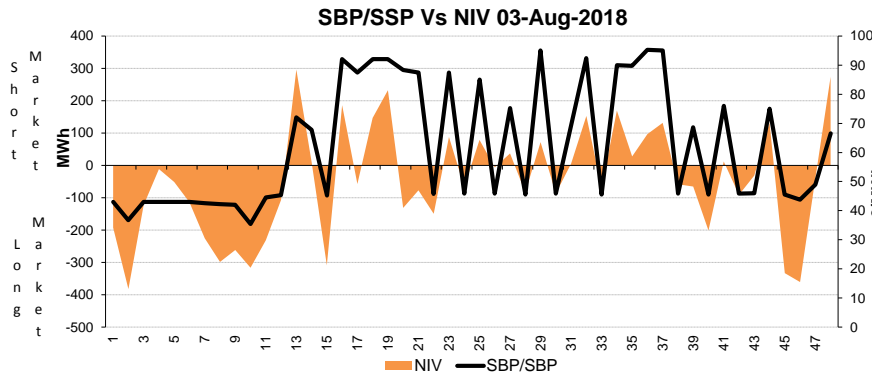
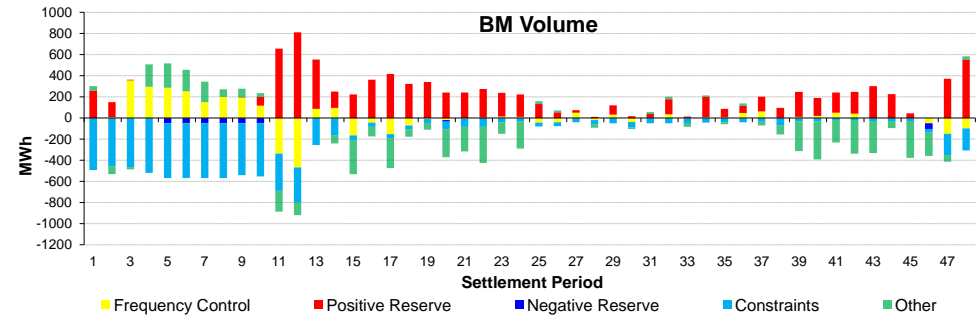
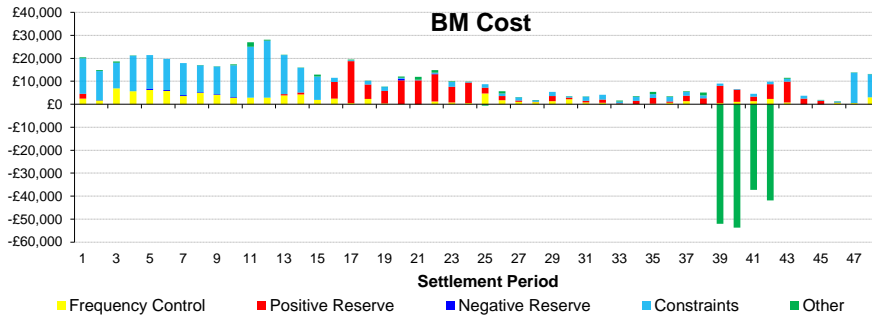
03/08/2018

BSUoS Charge Estimate: £1.49/MWh
Total Outturn: £1.43m

■ BM Cost (Indicative)
 ■ AS Cost (Estimate)



- Energy Imbalance
- Positive Reserve (Op Res + STOR)
- Negative Reserve (Footroom)
- Frequency Control (Response + Fast Reserve)
- Other Reserve (Ancillary Costs Only)
- Constraints (BM & Trades only)
- Other (Reactive + Black Start + BM & AS General)



Commentary

Demand uncertainty during the morning demand ramp required additional response to be held and SpinGen units to be instructed. STOR was instructed (200MW) to help cover an interconnector swing (change in direction of power flow) and loss of ~500MW generation early morning, followed by up to 500MW STOR instructed throughout the morning to help cover demand volatility. Interconnector trades were utilised to help with margins; negative reserve before 5am, positive reserve after 5am. Constraint issues were largely limited to the morning with trades on interconnectors and a BM unit to solve ROCOF issues; and BM actions were taken to solve a constraint in the North of England until an outage was completed early negating the need for further actions. A constraint in South Wales required BM actions to solve throughout the day.

Note: A new category - Other Reserve - has been more clearly defined. Costs in this category used to be mapped to either Positive Reserve or Fast Reserve. These costs include BM Startup, Fast Start and some Hydro services. These changes have been made to align with the new Monthly Balancing Services Summary report.