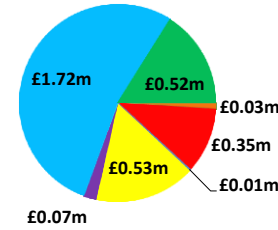
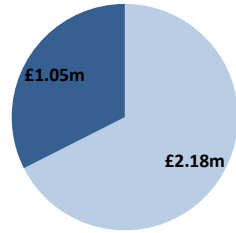


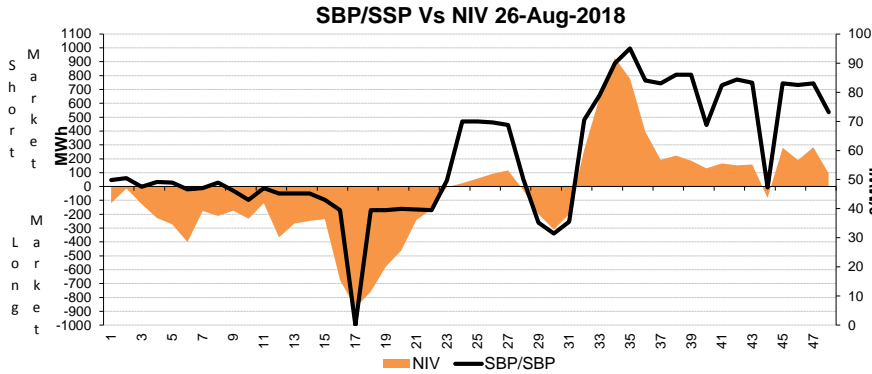
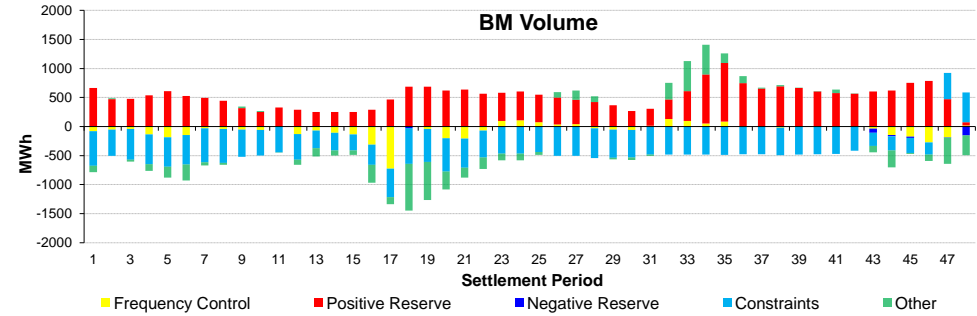
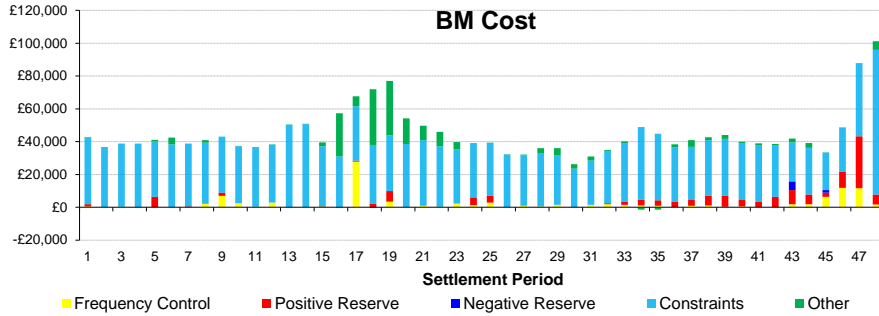
Daily Balancing Costs

BSUoS Charge Estimate: £3.13/MWh
Total Outturn: £3.23m

■ 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

Negative reserve issues were experienced throughout the day; wind units were instructed to provide high frequency response during the morning ramp, and pump storage units were utilised late evening to help manage negative reserve levels. From about 18:00 onwards additional response was held for wind volatility. 200MW of STOR was utilised during the afternoon due to shortfall in wind output and some units synchronising late. The return of a circuit in the north of England meant no actions were required for transmission constraints, except for a small number of offers to resolve an import constraint in Wales in the morning. Elsewhere units were bought on via trades or in the BM for voltage support in the South East, North East and North West overnight. ROCOF issues were resolved throughout the day via trades on interconnectors and BM actions on BM units including wind units.

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 changes have been made to align with the new Monthly Balancing Services Summary report.