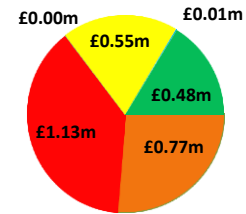
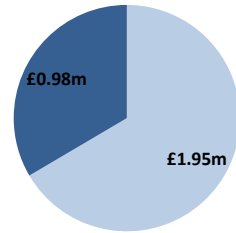


Daily Balancing Costs

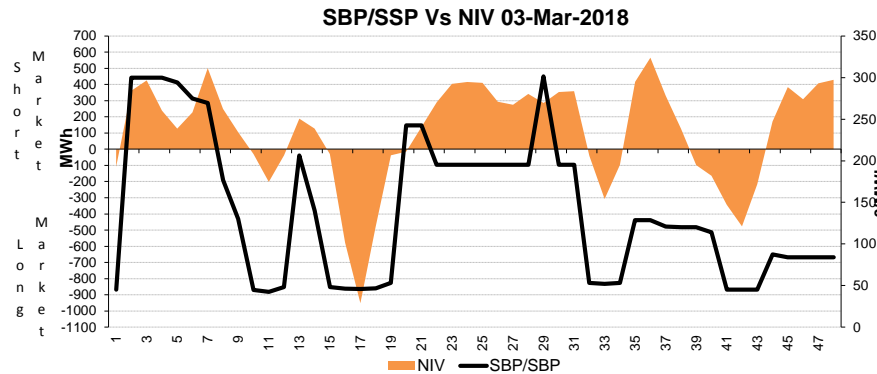
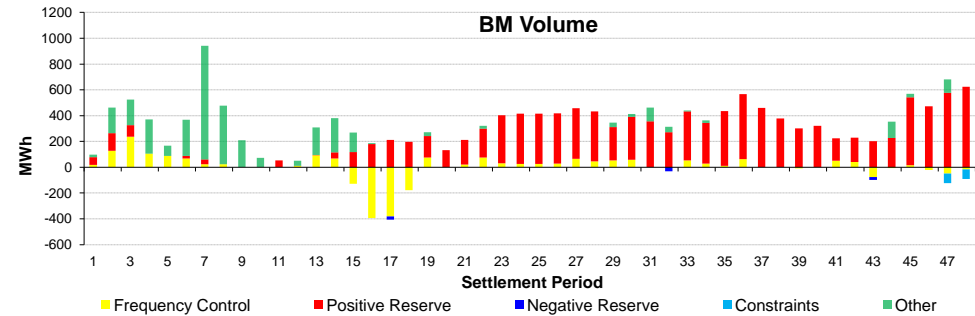
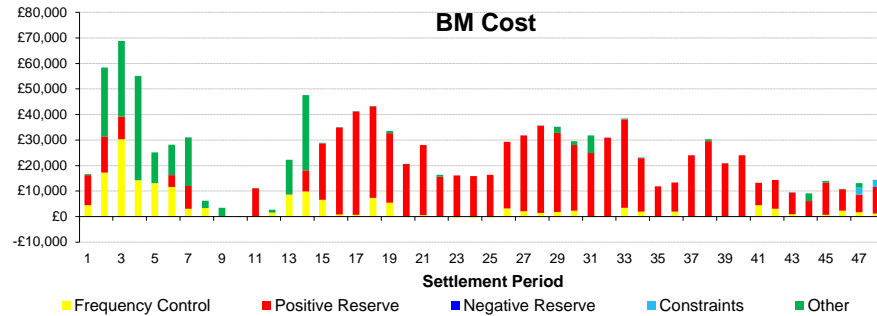
Date: 03/03/2018

BSUoS Charge Estimate: £1.89/MWh
Total Outturn: £2.93m

BM Cost (Indicative)
AS Cost (Estimate)



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



Commentary

Early morning, a circuit trip in the South East coincided with the frequency falling to 49.79Hz, believed to be a loss of 200MW of embedded generation. 100MW STOR instructed early morning, cheaper than BM actions. Reserve actions required throughout the day despite snow melting and temperatures rising. Market up to 2GW long, likely as a result of reduced demand compared to Thursday and Friday. Cash out price peaked during periods of short market at £300/MWh. BM prices lower than Friday but ten units still accepted offers in excess of £240/MWh. STOR required throughout the day, during morning pickup (500MW) and darkness peak (600MW). Trades required on interconnectors for ROCOF overnight into the 4th. Voltage requirements met by the market and no other constraints active.