

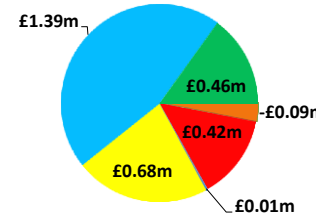
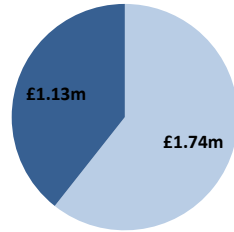
Daily Balancing Costs

Date:

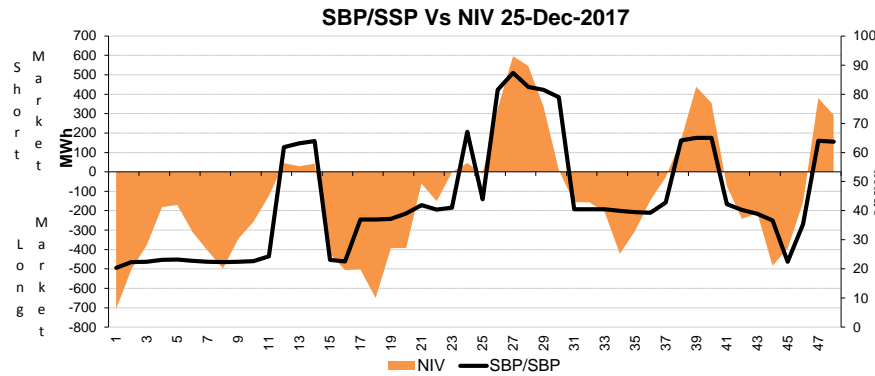
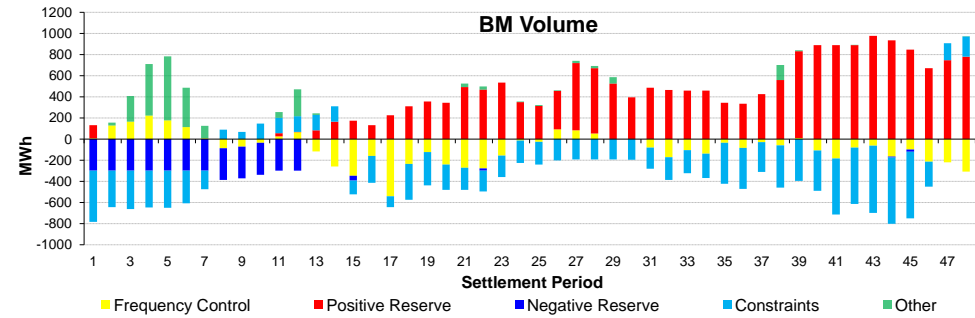
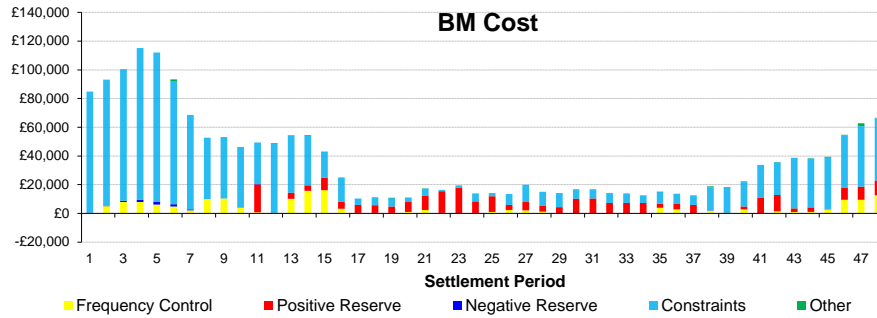
25/12/2017

BSUoS Charge Estimate: £2.58/MWh
Total Outturn: £2.86m

■ 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

Trades on interconnectors required to resolve downward regulation issues during early morning. Around 900MW of wind bids required early morning for constraints in North of England and across the Scotland-England border. Voltage actions required at numerous regions across England and Wales; solved via trades and BM actions. BM actions also required to solve constraints in South Wales for a large part of the day. Some ROCOF actions required through a large part of the day due to reduced demand and synchronised conventional generation. Additional ROCOF actions required early morning and from darkness peak until late on the interconnectors, during which, some conventional generation was kept on whilst the ROCOF strategy was decided.