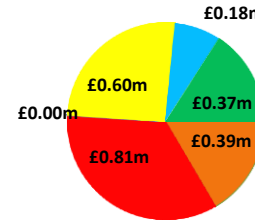
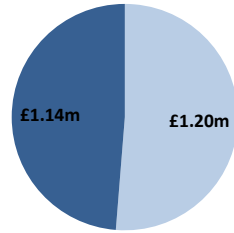


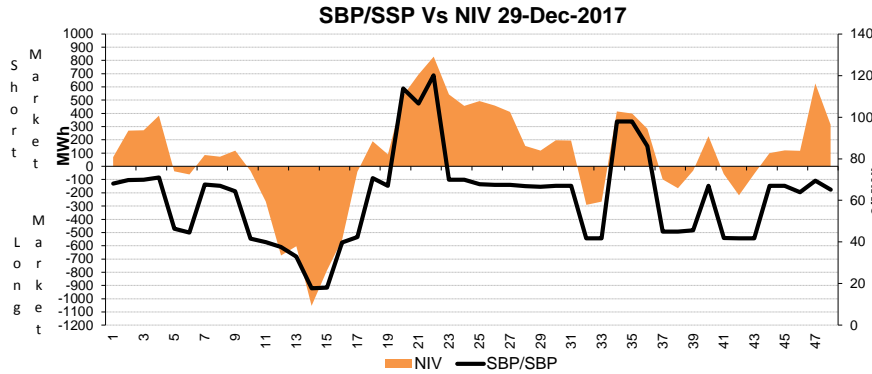
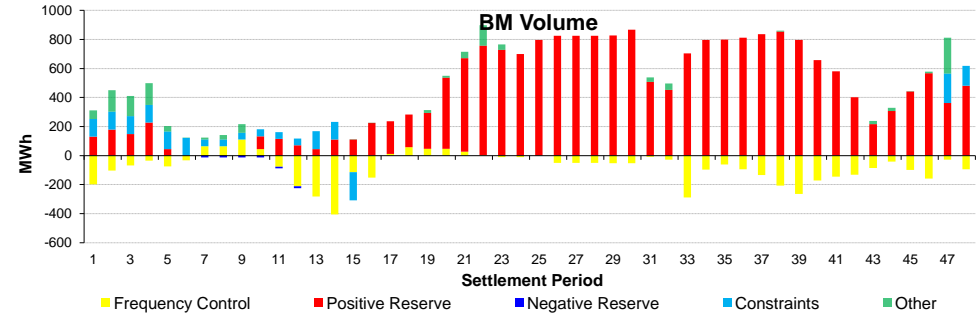
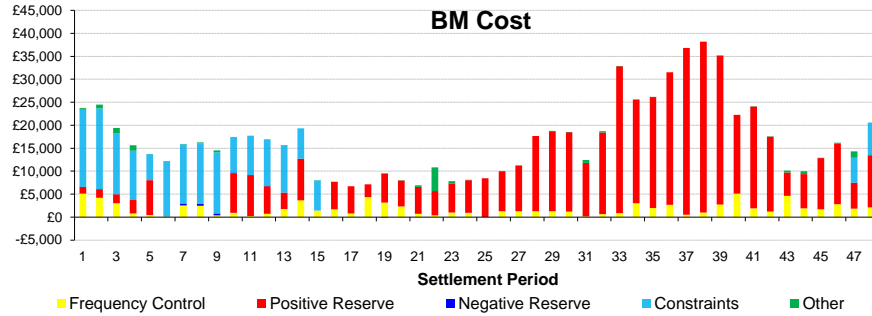
Daily Balancing Costs

BSUoS Charge Estimate: £1.72/MWh
 Total Outturn: £2.34m

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

Expected increase in wind generation was delayed early morning, STOR units utilised (190MW) in addition to other units. Interconnector trades taken for response purposes, with the control room holding additional dynamic response during periods of erratic wind. Demand picked up rapidly at 09:00 with a wind shortfall of ~800MW; STOR units run (400MW) to assist. Some Scottish water units were run in preparation for high winds overnight. Additional margin procured via trades for darkness peak. Few constraint issues were experienced. ROCOF was solved in the early morning via trades on conventional generation and interconnectors, whilst BM actions were used at the end of the day. Voltage requirements were largely solved by the market with trades enacted on a number of generators where there was a deficit.