

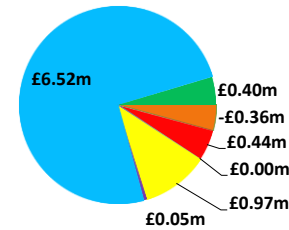
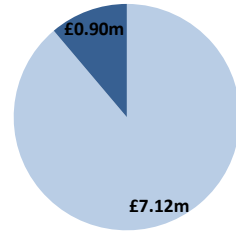
# Daily Balancing Costs

Date:

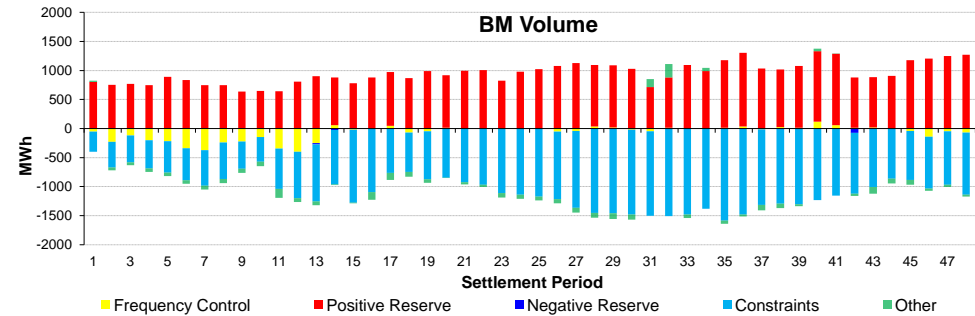
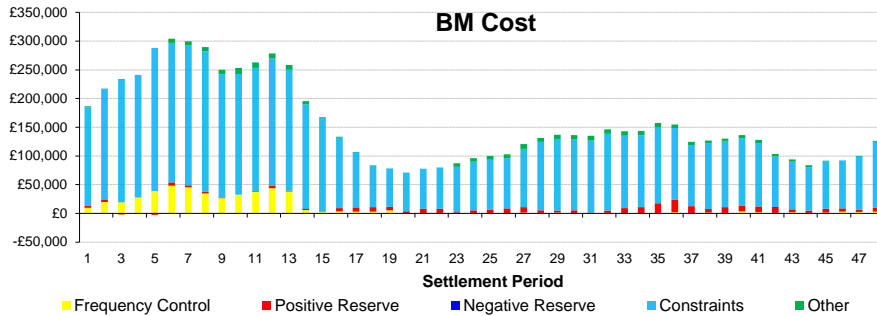
11/09/2018

**BSUoS Charge Estimate: £6.12/MWh**  
**Total Outturn: £8.01m**

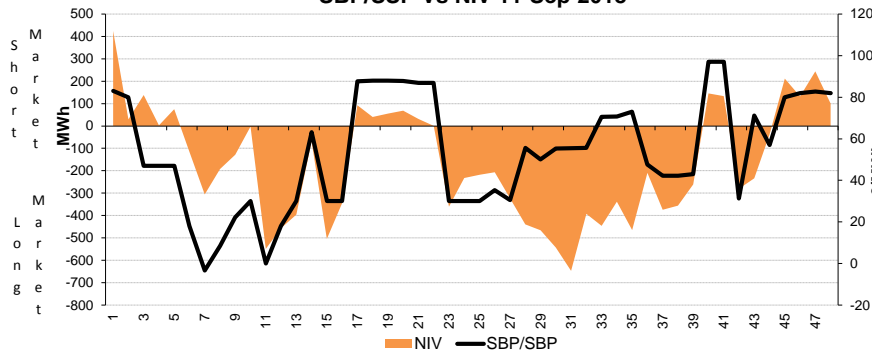
■ BM Cost (Indicative)  
 ■ AS Cost (Estimate)



- 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)



**SBP/SSP Vs NIV 11-Sep-2018**



## Commentary

There was a planned BM system outage during the day requiring additional response and reserve levels to be held and SpinGen service to be utilised. A NRAPM was issued for Dumfries and Galloway on the 10th and cancelled at 03:00 on the 11th. Energy offers were accepted throughout the day in excess of £100/MWh on at least ten different units. During the evening period, up to 900MW of STOR was utilised due to interconnector and PN changes. Some margin trades were required on the interconnectors late evening.

Throughout the day trades were used to solve a local constraint in Scotland with significant volumes of wind and water actions to resolve a constraint in the North of England. Control room made changes to transmission system to reduce constraint costs from around 17:00 onwards. A local constraint in South Wales was resolved via bids in the BM through most of the day. Trades were enacted to solve voltage issues in the South East, North West, Central and North East England. ROCOF actions were largely traded overnight with some additional BM actions during the morning ramp.

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.