

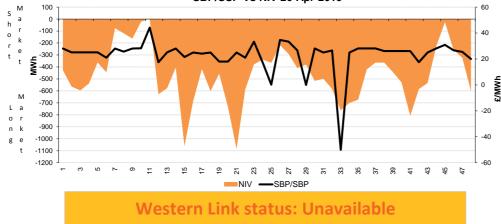
13 15 17 19 21 23 25 27 29 31 33 35

9 11

3 5

Frequency Control

#### Positive Reserve Negative Reserve Constraints

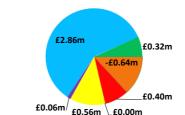


# SBP/SSP Vs NIV 26-Apr-2019

Settlement Period

37 39 41 43 45 47

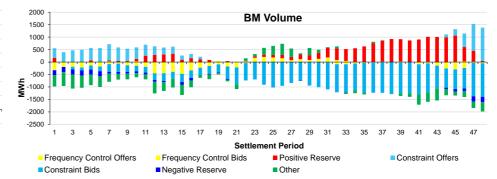
Other



# nationalgridESO

# 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

The market was long throughout the 24 hours. Overnight, multiple trades on the interconnectors were taken for downward regulation and for positive margin. Additional dynamic response was held between the afternoon and the late evening for wind volatility.

From the midmorning onwards, as wind levels increased, power flow restrictions were in place on the network boundary between England and Wales, requiring high volume of BM actions to buy off wind generation in Scotland. Some BM actions were taken overnight to manage the voltage levels in England and to secure RoCoF. Trades were taken for voltage as well as for RoCoF just before midnight.