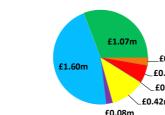


## **Daily Balancing Costs**



11 13 15 17 19 21 23 25 27 29

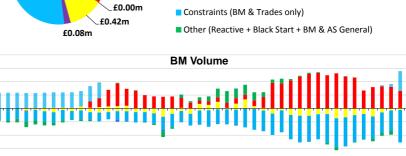
9

## nationalgridESO

31 33

35 37 39

## Energy Imbalance Positive Reserve (Op Res + STOR) Negative Reserve (Footroom) Frequency Control (Response + Fast Reserve) \_£0.10m £0.21m Other Reserve (Ancillary Costs Only) £0.00m £0.42m



Frequency Control Offers Constraint Bids

Settlement Period Frequency Control Bids Positive Reserve Negative Reserve Other

41 Constraint Offers

43 45 47

## Commentary

1 3

500

-500

Wind output shortfalled during morning period leading to 200MW of STOR being called off. The evening peak experienced the same issue whereby 500MW of STOR was called off to manage the shortfall in wind generation during that time. Margin trades were made on the interconnectors for the morning period and for the evening period. Spin Gen was utilised during demand ramping periods in morning and evening to manage wind volatility.

There were trades made to manage voltage issues in South of England, South East of England, and North East of England, from midnight through to morning ramp period. BM Actions were used for voltage support in Wales. Interconnector trades and trades were made to manage RoCoF issues. BM Actions were needed to manage power flow restrictions in Scotland.