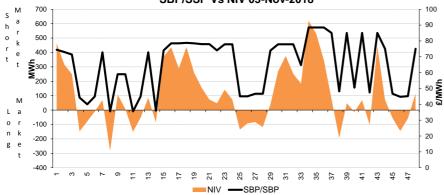
Date: 03/11/2018 **Daily Balancing Costs** national gridESO BSUoS Charge Estimate: £6.96/MWh Total Outurn: £9.13m ■ Energy Imbalance ■ Positive Reserve (Op Res + STOR) BM Cost ■ Negative Reserve (Footroom) £7.10m (Indicative) £0.35m Frequency Control (Response + Fast Reserve) £0.45m AS Cost (Estimate) Other Reserve (Ancillary Costs Only) £0.69m Constraints (BM & Trades only) £0.00m £8.13m £0.04m £0.50m ■ Other (Reactive + Black Start + BM & AS General) £350,000 **BM Cost BM Volume** £300,000 £250,000 £200,000 £150,000 £100,000 -1000 £50,000 -£50,000 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 Settlement Period Settlement Period ■ Negative Reserve Frequency Control ■ Positive Reserve Other Constraints Frequency Control Offers - Frequency Control Bids ■ Positive Reserve ■Negative Reserve Constraint Bids Other SBP/SSP Vs NIV 03-Nov-2018 Commentary M 700 600 Interconnectors in the morning and early evening for positive reserve. 500



Western Link status: Available

Additional response was held in the early hours to cover for demand uncertainty. Trades were carried out on the

■ Constraint Offers

ROCOF issues were resolved via trades on interconnectors and BM units; further actions in the BM were also required. High wind levels resulted in a large volume of BM actions on hydro and wind units to solve transmission constraints in Scotland and Northern England. Trades and BM actions on generating units were taken to regulate the voltage levels in England and Scotland.