

Mullion

 DNOA Decision
Reinforce with Flexibility

Constraint description

Mullion is a single transformer site with firm capacity limited by 11 kV backfeeds. Recent studies suggest a constraint is present, based on the firm capacity calculated of 4 MVA.

Reinforcement description

Proposal is to add a second transformer, new 11 kV board and 33 kV circuit.



Constraint Season
Winter and Summer



Outage Type
N-1

Justification for decision

Reinforcement works are being progressed. Flexibility will be utilised as required to manage the constraint in the interim.

Constraint management timeline

- 2024 H2 Procurement
- 2024 H1 Procurement
- 2023 H2 Procurement
- 2023 H1 Procurement
- 2022 H2 Procurement
- 2022 H1 Procurement
- 2021 H2 Procurement

Time to Reinforce: 3 years

Constraint Type: Demand

Estimated flexibility price (£/MWh) and volumes (MWh) per year under Best View:

	2024	2025	2026	2027	2028	2029
Availability	£150 / MWh 24 MWh	£150 / MWh 37 MWh	£150 / MWh 53 MWh	£150 / MWh 83 MWh	£150 / MWh 98 MWh	£128 / MWh 133 MWh
Utilisation	£9,000 / MWh 2 MWh	£9,000 / MWh 4 MWh	£9,000 / MWh 5 MWh	£9,000 / MWh 8 MWh	£9,000 / MWh 9 MWh	£7,679 / MWh 14 MWh



For more information see the **Rame BSP NDP report**: <https://www.nationalgrid.co.uk/dso/network-development-plan>