

Grassmoor



DNOA Decision

Reinforce with Flexibility

Constraint description

Grassmoor is a 33/11 kV primary substation supplied from Chesterfield Bulk Supply Point (BSP). Both transformers are expected to exceed their thermal capacity following an outage on the other. The 33 kV circuits are the next limiting factor.

Reinforcement description

The current reinforcement proposal covers 33 kV circuit works and transformer works at Grassmoor (with this scheme covering the transformer works).



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 Procurement
2020 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	£135 / MWh	£85 / MWh	£79 / MWh	£77 / MWh	£78 / MWh
	674 MWh	733 MWh	1,104 MWh	1,150 MWh	1,169 MWh	1,166 MWh
Utilisation	£9,000 / MWh	£8,094 / MWh	£5,085 / MWh	£4,754 / MWh	£4,630 / MWh	£4,652 / MWh
	4 MWh	4 MWh	8 MWh	9 MWh	9 MWh	9 MWh



For more information see the **Chesterfield, Goitside and Buxton 33 kV NDP report:** <https://www.nationalgrid.co.uk/dso/network-development-plan>