

Chesterfield Main

 DNOA Decision
Flexibility

Constraint description

The Chesterfield – Grassmoor 33 kV circuits have limited capacity for an N-1 circuit outage. A constraint occurs for the loss of the Chesterfield – Grassmoor No.2 33 kV circuit, which results in the Chesterfield – Grassmoor No.1 33 kV circuit picking up the entire aggregate demand of Grassmoor, Biwater and Danesmoor primaries.

Reinforcement description

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



Constraint Season
Winter



Flexibility Product
Secure



Outage Type
N-1



Justification for decision

No further procurement is being pursued; existing flexibility contracts are currently being maintained.

Constraint management timeline

- 2024 H1 **Maintain Active**
- 2023 H1 Maintain Active
- 2023 H1 Maintain Active
- 2022 H2 Procurement
- 2022 H1 Procurement
- 2021 H2 Procurement
- 2021 H1 Procurement
- 2020 H2 Procurement
- 2020 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Thermal

Estimated flexibility volumes (MWh) per year under Best View:

	2024	2025	2026	2027	2028	2029
Availability	4 MWh	5 MWh	12 MWh	51 MWh	320 MWh	1,192 MWh
Utilisation	4 MWh	5 MWh	12 MWh	51 MWh	320 MWh	1,192 MWh



For more information visit: nationalgrid.co.uk/network-flexibility-map-application