

Alfreton – Wessington

 DNOA Decision
Flexibility

Constraint description

The Wessington, Ambergate, and Ravensdale Park 33/11 kV primaries are fed via two 33 kV circuits from Alfreton Bulk Supply Point (BSP). It is anticipated that one of these circuits could overload following an N-1 outage on the other. Voltage constraints are also projected to occur on this section of 33 kV network.

Reinforcement description

The current reinforcement plan is to re-conductor the overhead lines and update parts of the cable sections.



Constraint Season
Winter/Summer



Flexibility Product
Secure



Outage Type
N-1

Justification for decision

Flexibility procurement is required to ensure the needs of the network are met.

Constraint management timeline

2024 H1 Procurement

Time to Reinforce: 2 years

Constraint Type: Thermal

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

	2024	2025	2026	2027	2028	2029
Availability	£ 11 / 1,637 MWh	£ 10 / 1,769 MWh	£ 10 / 1,818 MWh	£ 10 / 1,912 MWh	£ 8 / 2,096 MWh	£ 8 / 2,119 MWh
Utilisation	£ 16 / 1,637 MWh	£ 15 / 1,769 MWh	£ 14 / 1,818 MWh	£ 14 / 1,912 MWh	£ 12 / 2,096 MWh	£ 12 / 2,119 MWh



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