

Ellesmere Avenue



DNOA Decision

Reinforce with Flexibility

Constraint description

Ellesmere Avenue is a primary substation with a firm capacity of 23 MVA. Both the 33 kV circuits to and the 33/11 kV transformers at Ellesmere Avenue are forecast to be constrained for N-1 outages on the other infeed.

Reinforcement description

The current reinforcement plan is to replace both transformers at the site with 20/40 MVA units and reinforce the 33 kV infeeds.



Constraint Season
Winter/Summer



Flexibility Product
Secure



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 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Thermal

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

	2024	2025	2026	2027	2028	2029
Availability	-	£ 1,252 / 2 MWh	£ 353 / 109 MWh	£ 65 / 590 MWh	£ 15 / 2,387 MWh	£ 5 / 6,740 MWh
Utilisation	-	£ 1,753 / 2 MWh	£ 494 / 109 MWh	£ 91 / 590 MWh	£ 22 / 2,387 MWh	£ 7 / 6,740 MWh



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