

Tuxford

Constraint description

Tuxford is a single transformer primary site. An N-1 condition for the loss of the transformer means the demand has to be restored on the 11 kV backfeeds.

Reinforcement description

The reinforcement proposal is to install a second primary transformer at Tuxford and create a second 33 kV infeed.



Constraint Season
Winter/Summer



Flexibility Product
Secure



Outage Type
N-1



DNOA Decision
Flexibility

Justification for decision

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

Constraint management timeline

2024 H1 **Maintain Active**

2023 H2 Procurement

2023 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Security of Supply

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

	2024	2025	2026	2027	2028	2029
Availability	0.5 MWh	0.6 MWh	0.8 MWh	1 MWh	16 MWh	28 MWh
Utilisation	0.5 MWh	0.6 MWh	0.8 MWh	1 MWh	16 MWh	28 MWh



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