

Stamford

Constraint description

Wittering is backfed at 11 kV to Stamford primary for a number of arranged outages, the most onerous of which is an outage on the main 1 33 kV busbar at Stamford (which also takes out one of the transformers at Stamford). The N-1 condition is the arranged outage on the main 1 busbar at Stamford causing an overload on the remaining primary transformer at Stamford.

Reinforcement description

The reinforcement solution is replacing the transformers with 20/40 MVA rated units at Stamford.



Constraint Season
Winter/Summer



Flexibility Product
Secure



Outage Type
N-1



DNOA Decision

Reinforce with Flexibility

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	£91 / 173 MWh	£68 / 232 MWh	£41 / 378 MWh	£24 / 651 MWh	£12 / 1,204 MWh	£5 / 3,002 MWh
Utilisation	£128 / 173 MWh	£95 / 232 MWh	£58 / 378 MWh	£33 / 651 MWh	£18 / 1,204 MWh	£7 / 3,002 MWh



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