

Stamford



DNOA Decision

Reinforce with Flexibility

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 current reinforcement proposal is to establish a new primary substation to the north of Stamford BSP near the centre of load growth.



Constraint Season
Winter and Summer



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 H2 Procurement

2024 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Demand

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

	2024	2025	2026	2027	2028	2029
Availability	£7 / MWh 2,095 MWh	£7 / MWh 2,143 MWh	£6 / MWh 2,425 MWh	£5 / MWh 2,618 MWh	£5 / MWh 2,969 MWh	£4 / MWh 3,332 MWh
Utilisation	£418 / MWh 192 MWh	£407 / MWh 197 MWh	£358 / MWh 225 MWh	£327 / MWh 247 MWh	£289 / MWh 279 MWh	£249 / MWh 326 MWh



For more information see the **Bourne and Stamford 33 kV NDP report:** <https://www.nationalgrid.co.uk/dso/network-development-plan>