

Woodbeck



DNOA Decision

Reinforce with Flexibility

Constraint description

Woodbeck is a single 33/11 kV transformer primary fed from the Checkerhouse Bulk Supply Point (BSP) via the West End Farm Tee from Ordsall Road primary with a firm capacity of 4.2 MVA. As it only has a single transformer in an N-1 outage condition the primary must be supplied by the 11 kV backfeeds.

Reinforcement description

The proposed reinforcement is to install a second 33 kV circuit to Woodbeck which will be initially run at 11 kV to increase the backfeed capacity, and then install a second 33/11 kV transformer and run the new circuit at 33 kV at a later date.



Constraint Season
Winter/Summer



Flexibility Product
Dynamic



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
 2023 H2 Procurement
 2023 H1 Procurement
 2022 H2 Procurement
 2022 H1 Procurement
 2021 H2 Procurement
 2021 H1 Procurement
 2020 H2 Procurement
 2020 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Security of Supply

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

	2024	2025	2026	2027	2028	2029
Availability	£137 / 230 MWh	£149 / 300 MWh	£132 / 368 MWh	£114 / 437 MWh	£91 / 591 MWh	£81 / 681 MWh
Utilisation	£8,212 / 4.6 MWh	£8,950 / 4.5 MWh	£7,945 / 4.5 MWh	£6,821 / 5.1 MWh	£5,489 / 5.5 MWh	£4,839 / 6 MWh



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