

Knighton



DNOA Decision

Reinforce with Flexibility

Constraint description

Knighton primary is a single 66/11 kV transformer site with firm capacity reliant on 11 kV interconnection. The capacity is expected to be exceeded for an outage of the transformer.

Reinforcement description

Installing a new 66 kV circuit to the site and adding a second primary transformer.



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

2023 H2 Procurement

2023 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	£1,252 / 6 MWh	£1,252 / 5 MWh	£1,252 / 7 MWh	£1,252 / 8 MWh	£1,252 / 9 MWh	£1,252 / 11 MWh
Utilisation	£1,753 / 6 MWh	£1,753 / 5 MWh	£1,753 / 7 MWh	£1,753 / 8 MWh	£1,753 / 9 MWh	£1,753 / 11 MWh



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