

Hereford - Ledbury Ring



DNOA Decision

Reinforce with Flexibility

Constraint description

The Hereford 66 kV ring consists of five primary substations and 66 kV connected customers, all fed via two 66 kV circuits from the Hereford Bulk Supply Point (BSP), within Bishops Wood Grid Supply Point (GSP). An outage of one of the infeeds to the ring can cause voltages to drop below statutory limits.

Reinforcement description

Installing a Statcom at Dymock 66/11 kV substation to mitigate the voltage constraint.



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
2023 H2 Procurement
2023 H1 Procurement
2022 H2 Procurement
2022 H1 Procurement
2021 Procurement
2020 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	£150 / MWh 222 MWh	£68 / MWh 1,188 MWh	£20 / MWh 2,587 MWh	£13 / MWh 3,246 MWh	£14 / MWh 3,201 MWh	£8 / MWh 4,628 MWh
Utilisation	£9,000 / MWh 2 MWh	£4,097 / MWh 20 MWh	£1,210 / MWh 86 MWh	£802 / MWh 138 MWh	£823 / MWh 134 MWh	£500 / MWh 229 MWh



For more information see the **nan NDP report**: <https://www.nationalgrid.co.uk/dso/network-development-plan>