

Netherhills Primary



DNOA Decision
Flexibility

Constraint description

An outage of either of the two transformers at Netherhills primary substation could cause an overload of the other transformer at Netherhills primary substation.

Reinforcement description

Replace transformers at Netherhills primary substation with 20/40 MVA units and replace the 1250 A 11 kV board with a 2000 A 11 kV board.



Constraint Season
Winter and Summer



Outage Type
N-1

Justification for decision

Flexibility procurement is required to ensure the needs of the network are met.

Constraint management timeline

2024 H2 Procurement

Time to Reinforce: 2 years

Constraint Type: Demand

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

	2024	2025	2026	2027	2028	2029
Availability	£1 / MWh 5,732 MWh	£1 / MWh 12,262 MWh	£1 / MWh 23,114 MWh	£1 / MWh 24,900 MWh	£1 / MWh 27,013 MWh	£1 / MWh 29,078 MWh
Utilisation	£79 / MWh 731 MWh	£32 / MWh 1,844 MWh	£15 / MWh 3,843 MWh	£14 / MWh 4,264 MWh	£12 / MWh 4,794 MWh	£11 / MWh 5,349 MWh



For more information see the **Iron Acton GSP Network (West Midlands) NDP report**: <https://www.nationalgrid.co.uk/dso/network-development-plan>