

Mansfield Primary



DNOA Decision
Signposting

Constraint description

Mansfield is a 132/33 kV Bulk Supply Point (BSP) supplied from Chesterfield Grid Supply Point (GSP) via a pair of 132 kV circuits. Mansfield primary is located within the same substation and comprises two 33/11 kV transformers. Overloads are expected on the primary transformers following an outage on the other.

Reinforcement description

Install two 132/11 kV GTs and move the existing Mansfield primary demand. The proposed reinforcement scheme also resolves the constraint at Mansfield BSP.



Constraint Season
Winter and Summer



Outage Type
N-1

Justification for decision

No flexibility requirement under Best View until 2032.

Constraint management timeline

2024 H2 **Signposting**

Time to Reinforce: 4 years

Constraint Type: Demand

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

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
-	-	-	-	-	-	-	-	1 MWh	12 MWh	36 MWh



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