

Shepshed



DNOA Decision

Reinforce with Flexibility

Constraint description

Shepshed primary has two 33/11 kV transformers. The site's firm capacity is limited by these transformers (with the next limiting factor being the 33 kV circuits from Loughborough Bulk Supply Point (BSP). Following an arranged or fault outage on one of the transformers the full site demand is picked up by the other transformer.

Reinforcement description

The reinforcement proposal is to uprate both existing transformers and install a new 33 kV infeed from Loughborough BSP.



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

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	£101 / MWh
	-	-	-	-	47 MWh	399 MWh
Utilisation	-	-	-	-	£9,000 / MWh	£6,080 / MWh
	-	-	-	-	2 MWh	14 MWh



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