llkeston

Constraint description

Ilkeston primary is fed via two transformers, which are currently limiting the firm capacity of the site. Under an N-1 condition (loss of one transformer) the load would be fully applied to the remaining transformer, potentially causing it to overload.

Reinforcement description

The current reinforcement proposal is to replace the two transformers and the 11 kV switchboard at Ilkeston.





n Flexibi

Flexibility Product Dynamic



Outage Type **N-1**





Justification for decision

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

Constraint management timeline

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Procurement		

Time to Reinforce: 3 years Constraint Type: Thermal

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

	2024	2025	2026	2027	2028	2029
Availability	-	-	£20 / 8 MWh	£81 / 164 MWh	£38 / 925 MWh	£16 / 2,410 MWh
Utilisation	-	-	£1,179 / 2 MWh	£4,843 / 7 MWh	£2,255 / 12 MWh	£976 / 23 MWh

