

Kettering BSP



DNOA Decision
Flexibility

Constraint description

Kettering BSP has two 132/33 kV Grid Transformers (GTs) which are projected to be constrained due to demand growth for an N-1 (fault or arranged outage on either GT).

Reinforcement description

A third GT will be installed at Kettering BSP, along with the additional 33 kV switchgear required to allow the full capacity of the new GT to be utilised.



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: 3 years

Constraint Type: Demand

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

	2024	2025	2026	2027	2028	2029
Availability	£20 / MWh	£11 / MWh	£6 / MWh	£3 / MWh	£2 / MWh	£1 / MWh
	956 MWh	1,398 MWh	2,494 MWh	5,788 MWh	9,695 MWh	15,295 MWh
Utilisation	£1,196 / MWh	£670 / MWh	£357 / MWh	£165 / MWh	£94 / MWh	£54 / MWh
	90 MWh	164 MWh	310 MWh	665 MWh	1,174 MWh	2,071 MWh



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