

Stony Stratford BSP



Constraint description

Stony Stratford 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 and fourth GT will be installed at Bradwell Abbey BSP, along with the additional switchgear required to allow the full capacity of the new GTs to be utilised.



Constraint Season
Winter



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: 4 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	£49 / MWh	£21 / MWh	£9 / MWh
	-	-	293 MWh	684 MWh	1,161 MWh	2,713 MWh
Utilisation	-	-	£9,000 / MWh	£2,953 / MWh	£1,252 / MWh	£554 / MWh
	-	-	6 MWh	38 MWh	96 MWh	216 MWh



For more information see the **East Claydon 132 kV NDP report:** <https://www.nationalgrid.co.uk/dso/network-development-plan>