

Towcester Primary



DNOA Decision
Flexibility

Constraint description

Towcester Pagnell primary has three 33/11 kV transformers. Following an arranged or fault outage on one of the transformers the full site demand is picked up by the other transformers.

Reinforcement description

Construction of a new primary substation within the Towcester area.



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	£19 / MWh	£4 / MWh	£2 / MWh	£1 / MWh	£1 / MWh	£1 / MWh
	877 MWh	3,164 MWh	7,019 MWh	14,761 MWh	26,145 MWh	42,755 MWh
Utilisation	£1,140 / MWh	£265 / MWh	£90 / MWh	£37 / MWh	£21 / MWh	£12 / MWh
	121 MWh	527 MWh	1,578 MWh	3,840 MWh	6,879 MWh	12,340 MWh



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