

Newport Pagnell Primary



DNOA Decision
Flexibility

Constraint description

Newport Pagnell primary has two 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 transformer.

Reinforcement description

Upgrading both 33/11 kV transformers at Newport Pagnell primary, along with the circuits from Bradwell Abbey BSP would alleviate this constraint.



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: 2 years

Constraint Type: Demand

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

	2024	2025	2026	2027	2028	2029
Availability	£3 / MWh 2,649 MWh	£1 / MWh 5,791 MWh	£1 / MWh 9,776 MWh	£1 / MWh 9,769 MWh	£1 / MWh 9,456 MWh	£1 / MWh 11,249 MWh
Utilisation	£190 / MWh 205 MWh	£67 / MWh 609 MWh	£34 / MWh 1,227 MWh	£34 / MWh 1,225 MWh	£35 / MWh 1,173 MWh	£31 / MWh 1,329 MWh



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