Newton Abbot to Newton Abbot Main Circuits

DNOA Decision
Reinforce with Flexibility

Constraint description
Newton Abbot Main is a three transformer primary and constrained by winter circuit ratings and summer transformer ratings. An N-1 condition for the loss of one of the 33/11 kV transformers/circuits would overload the remaining transformers/circuits at peak loading.

Reinforcement description
Uprating the incoming 33 kV circuits.

Constraint Season
Winter/Summer

Flexibility Product
Secure

Outage Type
N-1

Justification for decision
Reinforcement works are being progressed. Flexibility will be utilised as required to manage the constraint in the interim.

Constraint management timeline
2024 H1 **Procurement**
2023 H2 Procurement
2023 H1 Procurement

Time to Reinforce: 2 years

Constraint Type: Thermal

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

	2024	2025	2026	2027	2028	2029
Availability	£ 347 / 2 MWh	£ 236 / 2 MWh	£ 205 / 2 MWh	£ 163 / 3 MWh	£ 104 / 5 MWh	£ 60 / 8 MWh
Utilisation	£ 486 / 2 MWh	£ 330 / 2 MWh	£ 287 / 2 MWh	£ 229 / 3 MWh	£ 145 / 5 MWh	£ 85 / 8 MWh

For more information visit: **nationalgrid.co.uk/network-flexibility-map-application**