

Trevaughan



DNOA Decision

Reinforce with Flexibility

Constraint description

Trevaughan is a two transformer 33/11 kV primary substation. An N-1 scenario for the loss of one of these transformers can cause an overload of the remaining transformer.

Reinforcement description

The proposed reinforcement solution is to build a new primary substation and shift load away from Trevaughan.



Constraint Season
Winter



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 Maintain Active
2023 H2 Maintain Active
2023 H1 Maintain Active
2022 H2 Procurement
2022 H1 Procurement
2021 H2 Procurement
2021 H1 Procurement
2020 H2 Procurement
2020 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Thermal

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

	2024	2025	2026	2027	2028	2029
Availability	29 MWh	30 MWh	50 MWh	77 MWh	172 MWh	338 MWh
Utilisation	29 MWh	30 MWh	50 MWh	77 MWh	172 MWh	338 MWh



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