

Morwenstow

 DNOA Decision
Reinforce with Flexibility

Constraint description

Morwenstow primary is a single transformer primary site with a firm capacity limited by the 11 kV backfeeds. Peak demand is currently over the 11 kV backfeed capacity (under N-1 for the loss of the transformer).

Reinforcement description

Additional 33 kV circuit and second transformer.



Constraint Season
Winter and Summer



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 H2 Procurement
- 2024 H1 Procurement
- 2023 H2 Procurement
- 2023 H1 Procurement
- 2022 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	£22 / MWh 479 MWh	£26 / MWh 415 MWh	£27 / MWh 407 MWh	£30 / MWh 370 MWh	£38 / MWh 310 MWh	£45 / MWh 260 MWh
Utilisation	£1,343 / MWh 54 MWh	£1,582 / MWh 46 MWh	£1,621 / MWh 45 MWh	£1,804 / MWh 40 MWh	£2,253 / MWh 32 MWh	£2,726 / MWh 26 MWh



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