

Plymouth/South Hams



DNOA Decision

Reinforce with Flexibility

Constraint description

The constraint occurs during the loss of a 400 kV circuit between Langage and Exeter Grid Supply Point (GSP) and the 132 kV 'B-Route' circuit (between Landulph, Ernesettle and Plymouth Bulk Supply Points (BSPs)), or similar combinations. Under high load conditions the 132 kV circuit between Ernesettle and Milehouse BSPs are at risk of overloading.

Reinforcement description

Design works are ongoing for this constraint. The final proposal will include a new GSP or a selection of 132 kV circuit works.



Constraint Season
Winter/Summer



Flexibility Product
Dynamic



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 Maintain Active
 2022 H1 Maintain Active
 2021 H2 Maintain Active
 2021 H1 Maintain Active
 2020 H2 Procurement
 2020 H1 Procurement
 2019 H2 Procurement
 2019 H1 Procurement

Time to Reinforce: 5 years

Constraint Type: Thermal

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

	2024	2025	2026	2027	2028	2029
Availability	12,243 MWh	15,282 MWh	30,292 MWh	43,156 MWh	56,639 MWh	69,452 MWh
Utilisation	245 MWh	258 MWh	392 MWh	454 MWh	589 MWh	735 MWh



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