

Hayle – Camborne



DNOA Decision

Reinforce with Flexibility

Constraint description

An N-1 outage on the Indian Queens – Fraddon Tee – Camborne 132 kV circuit causes an overload on the Hayle – Rame 132 kV circuit, and vice versa. The demand on both Hayle and Camborne 132/33 kV substations contributes to this overload.

Reinforcement description

Building a new 132 kV circuit from Rame to Camborne.



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 Procurement
 2023 H2 Procurement
 2023 H1 Procurement
 2022 H2 Procurement
 2022 H1 Procurement
 2021 H2 Procurement
 2021 H1 Procurement
 2020 H2 Procurement
 2020 H1 Procurement
 2019 H2 Procurement
 2019 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Thermal

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

	2024	2025	2026	2027	2028	2029
Availability	-	-	£ 66 / 1,645 MWh	£ 42 / 5,792 MWh	£ 27 / 10,070 MWh	£ 17 / 18,505 MWh
Utilisation	-	-	£ 3,937 / 98 MWh	£ 2,491 / 156 MWh	£ 1,624 / 219 MWh	£ 1,032 / 299 MWh



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