

Plymouth / South Hams



DNOA Decision

Reinforce with Flexibility

Scheme description

Extremely complicated area of 132 kV network with a number of interrelated constraints. A number of reinforcement schemes have been proposed to manage the constraints in the area, including laying new 132 kV cable, reconductoring the H-route and splitting the 132 kV bar at Plymouth BSP. A comprehensive network study of the area was carried out as part of the 2022 Network Development Plan.



Constraint Season
Winter/Summer



Flexibility Product
Dynamic



Justification for decision

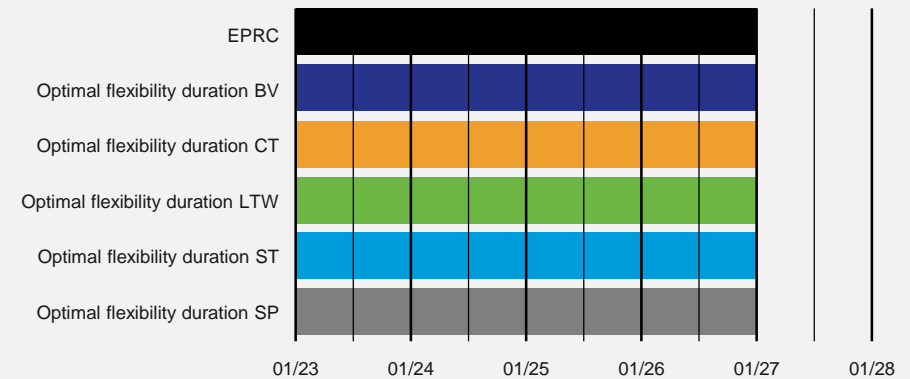
Reinforcement scheduled to be completed in 2027 as managing this constraint long term with flexibility is unfeasible due to its complexity. Current flexibility contracts are being kept active to deal with the constraint in the interim and provide additional network security.

Constraint management timeline

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 H1&2 Procurement
2019 H1&2 Procurement

Estimated flex utilisation required per year (MWh):

	2023	2024	2025	2026	2027
BV	275.00	294.63	358.21	444.25	
CT	–	333.27	400.59	535.61	
LTW	–	525.71	628.75	1128.96	
ST	–	266.71	287.78	297.62	
SP	–	227.17	226.74	250.01	



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