

Plymouth / South Hams



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

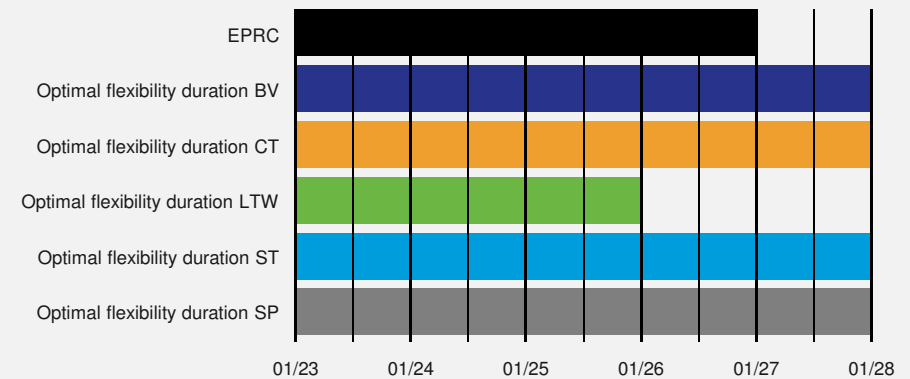
Flexibility is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2027 under Best View.

Constraint management timeline

- 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

Estimated flex utilisation required per year (MWh):

	2023	2024	2025	2026	2027
BV	275.00	294.63	358.21	444.25	537.43
CT	–	333.27	400.59	535.61	783.32
LTW	–	525.71	628.75		
ST	–	266.71	287.78	297.62	338.24
SP	–	227.17	226.74	250.01	268.86



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