

Morwenstow



Scheme description

Morwenstow is a single transformer Primary substation with restricted FCO restoration capacity. The capacity under an outage is limited by the 11 kV backfeeds to neighbouring substations. Proposed reinforcement is to install a second 33 kV infeed and transformer at Morwenstow.



Constraint Season
Winter



Flexibility Product
Dynamic

Justification for decision

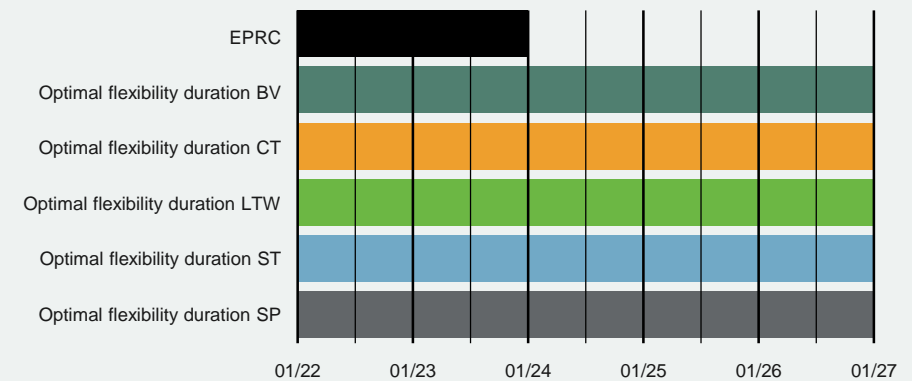
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under all scenarios.

Constraint management timeline

2022 H2 Procurement

Estimated flex utilisation required per year (MWh):

	2022	2023	2024	2025	2026
BV	11.87	13.73	16.29	18.15	21.88
CT	15.14	18.13	22.50	29.49	44.24
LTW	14.11	17.84	22.81	30.49	47.52
ST	10.68	10.97	11.75	12.47	14.10
SP	9.91	10.00	9.53	9.11	8.95



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