

Aberaeron



Scheme description

Aberaeron 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 33/11 kV transformer and a new 33 kV circuit to Aberaeron.



Constraint Season
Winter/Summer



Flexibility Product
Dynamic

Justification for decision

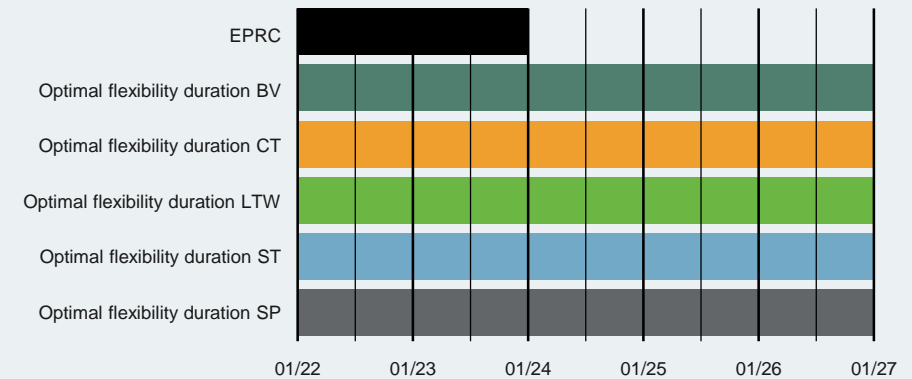
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under all scenarios.

Constraint management timeline

- 2022 H2 Procurement
- 2022 H1 Procurement
- 2021 H2 Procurement

Estimated flex utilisation required per year (MWh):

	2022	2023	2024	2025	2026
BV	7.72	8.20	8.50	9.20	10.29
CT	8.32	9.20	9.98	11.25	13.93
LTW	8.26	9.21	10.01	11.81	15.09
ST	7.58	7.73	7.85	7.92	8.25
SP	7.03	7.07	6.85	6.68	6.60



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