

Llandrindod - Rhayader



Scheme description

The Rhayader 11 kV network voltage falls below the statutory voltage limit when there is a fault resulting in the loss of the Builth Wells to Rhayader and Llandrindod Wells T1 66 kV circuits, leaving all of the Rhayader and Llandrindod Wells 11 kV demand supplied via Llandrindod Wells T2. The voltage can be brought back within statutory limits by reducing demand at Rhayader.



Constraint Season
Winter/Summer



Flexibility Product
Dynamic

Justification for decision

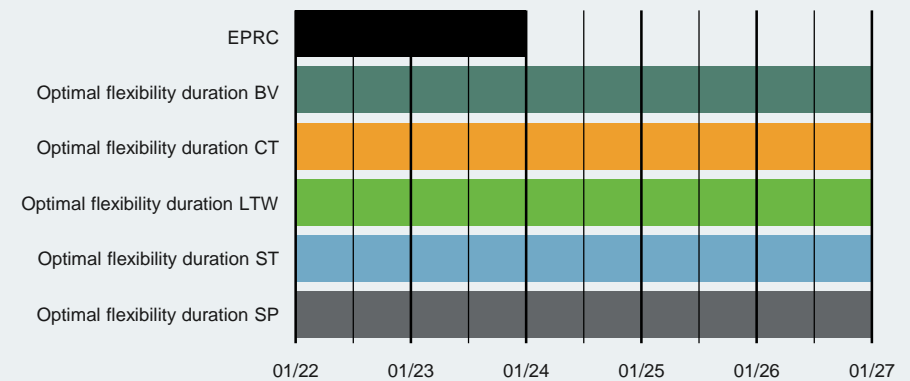
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under all scenarios.

Constraint management timeline

- 2022 H2 Procurement
- 2022 H1 Procurement
- 2021 H2 Procurement
- 2021 H1 Procurement
- 2020 H2 Procurement
- 2020 H1 Procurement

Estimated flex utilisation required per year (MWh):

	2022	2023	2024	2025	2026
BV	12.07	12.98	13.57	14.70	16.10
CT	13.57	14.80	15.79	17.28	19.57
LTW	13.51	14.62	15.87	17.63	20.73
ST	11.68	11.74	11.90	12.21	12.90
SP	11.11	11.11	10.86	10.78	10.70



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