

# Llanfyrnach



## Scheme description

Llanfyrnach 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 Llanfyrnach.



Constraint Season  
Winter



Flexibility Product  
Dynamic

## Justification for decision

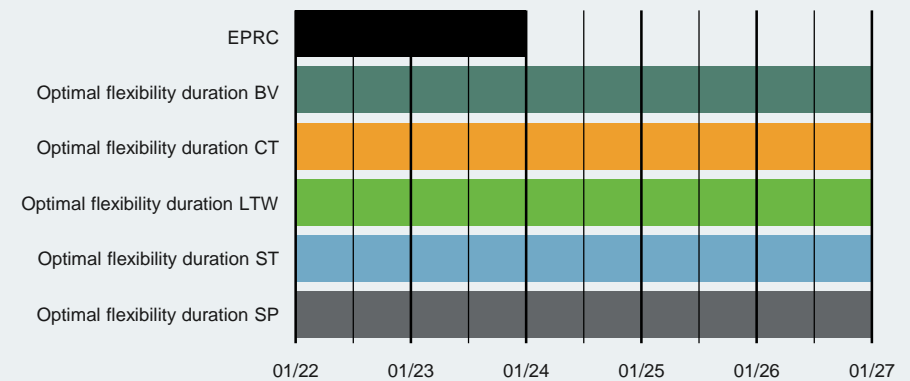
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under all scenarios.

## Constraint management timeline

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

## Estimated flex utilisation required per year (MWh):

	2022	2023	2024	2025	2026
<b>BV</b>	30.03	30.85	31.58	32.85	34.66
<b>CT</b>	31.53	33.00	34.24	36.21	39.32
<b>LTW</b>	31.41	33.11	34.39	36.95	40.85
<b>ST</b>	29.63	29.66	29.82	29.82	30.67
<b>SP</b>	28.73	28.70	28.40	28.11	27.97



For more information visit: [www.westernpower.co.uk/network-flexibility-map-application](http://www.westernpower.co.uk/network-flexibility-map-application)