

Llanfyrnach



DNOA Decision

Reinforce with Flexibility

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. The reinforcement solution 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

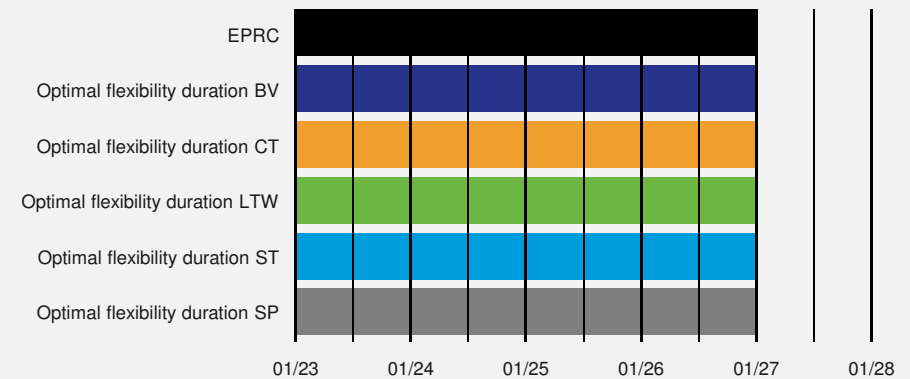
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2027 under all scenarios.

Constraint management timeline

2023 H1 Maintain Active
2022 H2 Procurement
2022 H1 Procurement
2021 H2 Procurement

Estimated flex utilisation required per year (MWh):

	2023	2024	2025	2026	2027
BV	18.40	18.81	19.51	23.52	
CT	–	18.65	19.25	22.97	
LTW	–	20.01	21.58	28.65	
ST	–	21.15	22.08	23.46	
SP	–	18.32	18.37	20.89	



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