

Mackworth


DNOA Decision
Reinforce with Flexibility

Scheme description

The transformers at Mackworth Primary are not fitted with automatic on-load tap changers, meaning that the site firm capacity is restricted in order to maintain the 11 kV voltage within statutory limits. It is proposed to upgrade the transformers and replace the 11-panel switchboard to prevent a constraint for the FCO loss of a transformer.



Constraint Season
Winter



Flexibility Product
Secure

Justification for decision

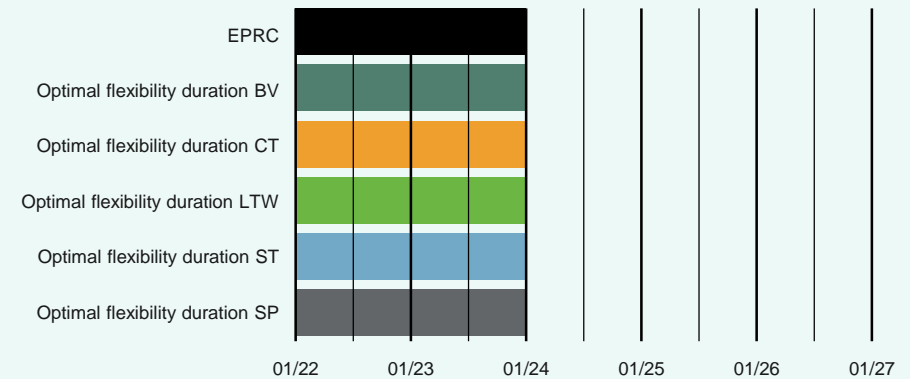
Reinforcement scheduled to be completed in 2023. Flexibility procurement is ongoing to deal with the constraint in the interim and provide additional network security.

Constraint management timeline

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

Estimated flex utilisation required per year (MWh):

	2022	2023	2024	2025	2026
BV	21.90	46.01			
CT	32.50	76.32			
LTW	34.81	89.87			
ST	9.03	13.65			
SP	4.80	6.78			



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