

Clowne



DNOA Decision

Reinforce with Flexibility

Scheme description

Clowne 33/11 kV is a single transformer Primary substation. When the Primary is backfed, the 11 kV backfed capacity is limited by thermal and voltage issues on the 11 kV circuits to Westhorpe and Craggs Lane Primaries. It is proposed to install a second 33/11 kV transformer supplied by the Whitwell - Shirebrook/Bolsover/Clowne 33 kV circuit, along with a new 11 kV switchboard and improve the 33 kV feeding arrangement utilising a 33 kV ring main unit.



Constraint Season
Winter



Flexibility Product
Dynamic

Justification for decision

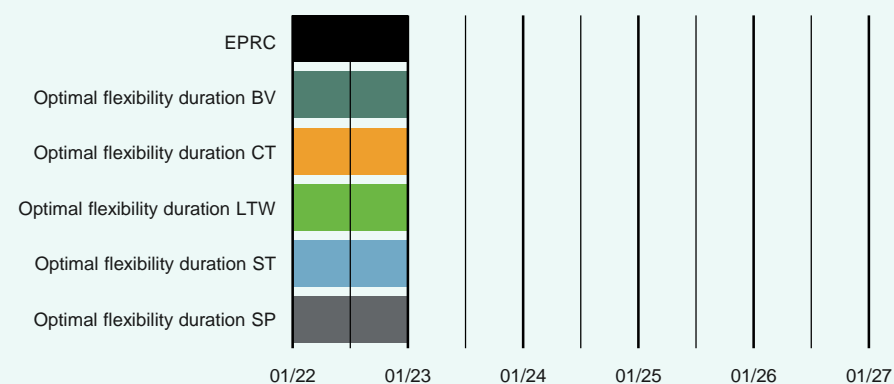
Reinforcement scheduled to be completed in 2022. Flexibility procurement is ongoing to deal with the constraint in the interim and provide additional network security.

Constraint management timeline

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

Estimated flex utilisation required per year (MWh):

	2022	2023	2024	2025	2026
BV	24.76				
CT	25.20				
LTW	25.63				
ST	21.97				
SP	19.53				



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