

# Alfreton



## Scheme description

Meadow Lane (Alfreton) has two 33/11 kV transformers. For the loss of a single 33/11 kV transformer the site is supplied from the remaining transformer. Internal analysis has identified there is little remaining headroom for further demand and the local planner has live offers which will initiate uprating of the transformer capacity.



Constraint Season  
Summer



Flexibility Product  
Secure

## Justification for decision

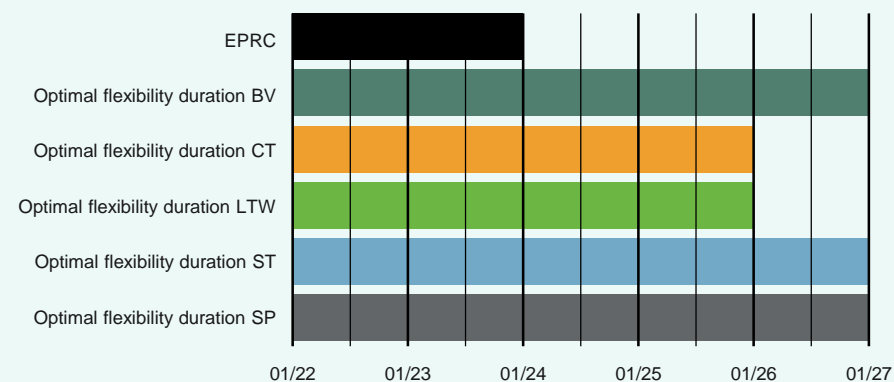
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under WPD Best View and 2025 under all scenarios.

## 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
<b>BV</b>	14.77	17.74	20.99	25.72	33.34
<b>CT</b>	15.75	19.61	24.35	31.54	
<b>LTW</b>	15.41	19.83	24.08	31.56	
<b>ST</b>	13.06	14.36	15.49	17.20	19.18
<b>SP</b>	11.84	12.63	13.38	14.01	14.69



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