

# Ilkeston



## Scheme description

Ilkeston primary is fed via two 15/21.75MVA transformers which are currently limiting the firm capacity of the site. Demand growth at the site is creating a FCO constraint. The proposed reinforcement is to uprate the existing transformers and 33 kV feeder circuits to Ilkeston.



Constraint Season  
Winter/Summer



Flexibility Product  
Dynamic

## Justification for decision

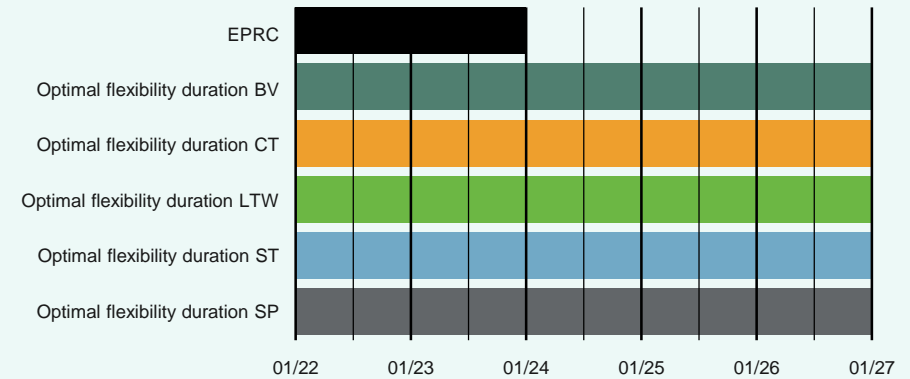
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under all scenarios.

## Constraint management timeline

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

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

	2022	2023	2024	2025	2026
BV	4.9	6.6	9.9	12.1	15.6
CT	5.2	8.9	12.5	15.0	26.6
LTW	5.8	9.5	12.8	16.7	29.1
ST	1.4	1.8	2.2	2.6	2.9
SP	2.4	3.1	3.9	5.3	5.9



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