

# Loughborough



## Scheme description

To support Enderby during an outage on one of its SGTs Coalville and Hinckley 11 kV can be transferred into Ratcliffe GSP. If a fault occurred on one of the circuits between Ratcliffe and the tee to Loughborough BSP during this transfer the remaining circuit could overload. The conventional reinforcement solution is to uprate the 132 kV circuits from Ratcliffe to Loughborough tee. The overhead line sections of the circuits are being reconnected, but the next limiting factor is the underground cable ratings.



Constraint Season  
Summer



Flexibility Product  
Dynamic

## Justification for decision

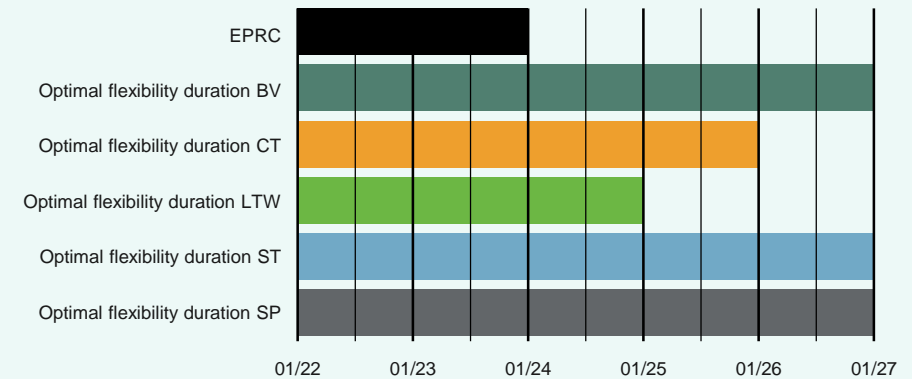
Flexibility procurement is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under WPD Best View and 2024 under all scenarios.

## 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
<b>BV</b>	213.66	103.5	107.8	140.9	185.6
<b>CT</b>	274.71	97.1	134.0	182.3	277.5
<b>LTW</b>	288.9	119.0	148.3	191.2	317.1
<b>ST</b>	127.76	37.3	46.4	64.5	93.5
<b>SP</b>	107.34	22.9	27.0	30.6	34.7



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