

Loughborough



DNOA Decision
Flexibility

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 have been reconducted, but the next limiting factor is the underground cable ratings.



Constraint Season
Summer



Flexibility Product
Dynamic

Constraint management timeline

2023 H1 Procurement
2022 H2 Procurement
2022 H1 Procurement
2021 H2 Procurement
2021 H1 Procurement

EPRC: 2025

Estimated flex availability price (£) and volumes (MWh) per year :

	2023	2024	2025	2026	2027
BV	£ 153 / 65 MWh	£ 145 / 249 MWh	£ 38 / 1123 MWh	£ 12 / 3633 MWh	£ 6 / 11020 MWh
CT	–	£ 144 / 235 MWh	£ 41 / 1074 MWh	£ 13 / 3426 MWh	£ 6 / 9719 MWh
LTW	–	£ 15 / 2674 MWh	£ 5 / 13341 MWh	£ 2 / 34927 MWh	£ 1 / 66791 MWh
ST	–		£ 151 / 70 MWh	£ 144 / 215 MWh	£ 92 / 451 MWh
SP	–			£ 143 / 98 MWh	£ 145 / 289 MWh

Estimated flex utilisation price (£) and volumes (MWh) per year:

	2023	2024	2025	2026	2027
BV	£ 9173 / 1 MWh	£ 8687 / 4 MWh	£ 2287 / 23 MWh	£ 705 / 75 MWh	£ 347 / 91 MWh
CT	–	£ 8661 / 4 MWh	£ 2445 / 21 MWh	£ 752 / 70 MWh	£ 378 / 89 MWh
LTW	–	£ 885 / 64 MWh	£ 278 / 121 MWh	£ 98 / 362 MWh	£ 44 / 990 MWh
ST	–		£ 9030 / 1 MWh	£ 8618 / 4 MWh	£ 5529 / 10 MWh
SP	–			£ 8594 / 2 MWh	£ 8714 / 5 MWh



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