

Chesterfield GSP



Scheme description

Chesterfield GSP is supplied via four SGTs run 2 + 2 split due to fault level constraints. National Grid ESO identified constraints in the latest Statement of Works submission for both N-1 and N-2 scenarios. The proposed reinforcement is to install a 5th SGT on a swing arrangement which will be run on hot standby.



Constraint Season
Summer



Flexibility Product
Dynamic

Justification for decision

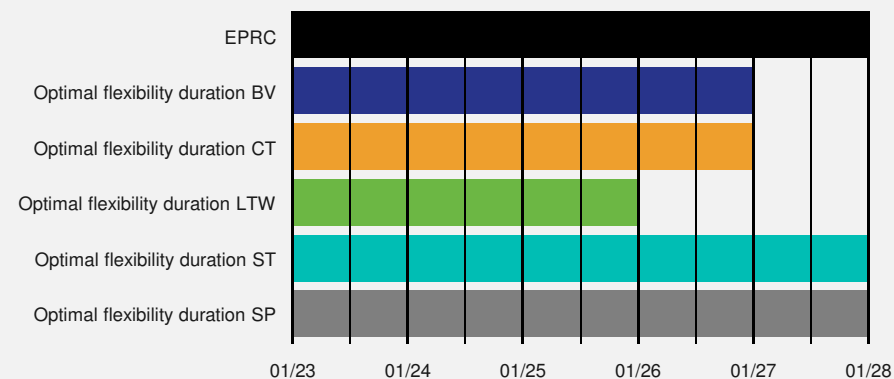
Flexibility is necessary to manage this constraint. Cost Benefit Analysis indicates flexibility is the optimum solution until at least 2026 under Best View.

Constraint management timeline

- 2023 H1 **Maintain Active**
- 2022 H2 Maintain Active
- 2022 H1 Maintain Active
- 2021 H2 Maintain Active
- 2021 H1 Maintain Active
- 2020 H2 Procurement

Estimated flex utilisation required per year (MWh):

	2023	2024	2025	2026	2027
BV	54.53	172.39	235.71	540.41	
CT	–	180.01	248.22	577.28	
LTW	–	490.71	763.87		
ST	–	23.01	47.19	154.69	258.69
SP	–	5.39	7.18	54.36	191.76



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