

# Chesterfield GSP



## Constraint description

Chesterfield Grid Supply Point (GSP) is supplied via four Super Grid Transformers (SGTs); that normally run as a 2+2 split at 132 kV due to fault level constraints. National Grid Electricity Transmission (NGET) identified demand constraints within the latest Statement of Works submission and the constraints are present under both N-1 and N-2 scenarios.

## Reinforcement description

The proposal is for a 5th SGT on a swing arrangement, on hot stand-by, with the ability for running three SGTs on a solid 132 kV busbar. This will cause fault level issues on the distribution network that will need addressing.



Constraint Season  
Winter/Summer



Flexibility Product  
Dynamic



Outage Type  
N-2

## Justification for decision

No further procurement is required; existing flexibility contracts are sufficient and currently being maintained.

## Constraint management timeline

- 2024 H1 **Maintain Active**
- 2023 H2 Maintain Active
- 2023 H1 Maintain Active
- 2022 H2 Maintain Active
- 2022 H1 Maintain Active
- 2021 H2 Maintain Active
- 2021 H1 Maintain Active
- 2020 H2 Procurement

**Time to Reinforce:** 5 years

**Constraint Type:** Thermal

## Estimated flexibility volumes (MWh) per year under Best View:

	2024	2025	2026	2027	2028	2029
Availability	546 MWh	9,941 MWh	32,149 MWh	59,404 MWh	103,852 MWh	185,065 MWh
Utilisation	40 MWh	916 MWh	1,242 MWh	1,661 MWh	2,345 MWh	3,134 MWh



For more information visit: [nationalgrid.co.uk/network-flexibility-map-application](https://nationalgrid.co.uk/network-flexibility-map-application)