Shrewsbury GSP

DNOA Decision
Reinforce with Flexibility

Constraint description
Shrewsbury Grid Supply Point (GSP) is fed via one Super Grid Transformer (SGT) which runs in parallel (via two 132 kV circuits) with three other SGTs at Ironbridge GSP. An arranged outage of the Shrewsbury SGT followed by a fault on either of the 132 kV circuits between the GSPs can thermally overload the remaining in service circuit.

Reinforcement description
Installing a second SGT at Shrewsbury and run the 132 kV network split between both GSPs.

Constraint Season
Winter/Summer

Flexibility Product
Dynamic

Outage Type
N-2

Justification for decision
Reinforcement works are being progressed. Flexibility will be utilised as required to manage the constraint in the interim.

Constraint management timeline
2024 H1 Procurement
2023 H2 Procurement
2023 H1 Procurement

Time to Reinforce: 5 years

Constraint Type: Thermal

Estimated flexibility price (£) and volumes (MWh) per year under Best View:

	2024	2025	2026	2027	2028	2029
Availability	£15 / 51 MWh	£24 / 254 MWh	£25 / 509 MWh	£18 / 1,229 MWh	£10 / 3,688 MWh	£4 / 10,417 MWh
Utilisation	£896 / 16 MWh	£1,456 / 48 MWh	£1,481 / 95 MWh	£1,075 / 141 MWh	£573 / 241 MWh	£261 / 485 MWh

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