

Burton to Bretby

 DNOA Decision
Flexibility

Constraint description

The 33 kV circuits between Burton BSP and Bretby primary supply both Bretby and Woodville primaries. Arranged outages or faults on either circuit leave the full demand on the remaining circuit.

Reinforcement description

Two new 33 kV circuits could be built from Burton BSP to Bretby primary, allowing it to be unstitched from Woodville primary (adding capacity and resolving this constraint).



Constraint Season
Winter and Summer



Outage Type
N-1



Justification for decision

Flexibility procurement is required to ensure the needs of the network are met.

Constraint management timeline

2024 H2 Procurement

Time to Reinforce: 3 years

Constraint Type: Demand

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

	2024	2025	2026	2027	2028	2029
Availability	-	-	-	£150 / MWh 2 MWh	£150 / MWh 10 MWh	£150 / MWh 30 MWh
Utilisation	-	-	-	£9,000 / MWh 0.1 MWh	£9,000 / MWh 0.3 MWh	£9,000 / MWh 1 MWh



For more information see the **Burton, Burton South and Gresley 33 kV NDP report:** <https://www.nationalgrid.co.uk/dso/network-development-plan>