

Tamworth to Polesworth and Atherstone



Constraint description

For an arranged or fault outage on the main 1 33 kV busbar at Tamworth Grid BSP the Tamworth to Polesworth main 2 33 kV circuit could overload. Constraints are also seen for outages on the other circuits to Atherstone and Polesworth.

Reinforcement description

A new circuit to Polesworth primary (or new circuits to Atherstone primary) would allow the two primaries to be unstitched, alleviating this constraint. These circuit works would need to be carried out in conjunction with reinforcement at both primaries (as discussed for the Polesworth Primary and Atherstone constraints) to free up capacity.



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	£1 / MWh 4,031 MWh	£1 / MWh 8,699 MWh	£1 / MWh 17,804 MWh	£1 / MWh 23,786 MWh	£1 / MWh 29,914 MWh	£1 / MWh 31,774 MWh
Utilisation	£43 / MWh 499 MWh	£19 / MWh 1,109 MWh	£8 / MWh 2,594 MWh	£6 / MWh 3,791 MWh	£4 / MWh 5,135 MWh	£4 / MWh 5,576 MWh



For more information see the Tamworth Grid and Tamworth Town 33 kV NDP report: <https://www.nationalgrid.co.uk/dso/network-development-plan>