

Rugby

 DNOA Decision
Flexibility

Constraint description

Rugby is a 132/33 kV and 132/11 kV Bulk Supply Point (BSP) supplied from Coventry Grid Supply Point (GSP) through a 132 kV circuit ring arrangement which also supplies Daventry, Pailton and Hinckley BSPs. The 132/33 kV transformers are expected to overload following an outage on the other. The 132 kV circuits are also a limiting factor on this network.

Reinforcement description

Install a third 132/33 kV transformer and extend the 132 kV compound to accommodate it.



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	£150 / MWh	£96 / MWh
	-	-	-	19 MWh	98 MWh	157 MWh
Utilisation	-	-	-	£9,000 / MWh	£9,000 / MWh	£5,737 / MWh
	-	-	-	5 MWh	12 MWh	23 MWh



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