

Newdigate Primary



Constraint description

Newdigate is a 33/11 kV primary substation comprising two transformers, one of which is supplied from Coventry North Bulk Supply Points (BSP) and the other from Nuneaton BSP. Both transformers are expected to exceed their thermal capacity following an outage on the other.

Reinforcement description

Uprate both 33/11 kV transformers and the 11 kV switchboard.



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: 2 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	£8 / MWh	£2 / MWh	£1 / MWh
	-	-	149 MWh	1,728 MWh	4,256 MWh	8,464 MWh
Utilisation	-	-	£9,000 / MWh	£463 / MWh	£143 / MWh	£63 / MWh
	-	-	4 MWh	115 MWh	392 MWh	911 MWh



For more information see the **The Coventry Group 33 kV NDP report**: <https://www.nationalgrid.co.uk/dso/network-development-plan>