

Barnstaple to South Molton

 DNOA Decision
Signposting

Constraint description

An N-1 outage on one of the 33 kV circuits feeding Heddon Cross, Aaronsons and South Molton primaries leaves the full demand on the remaining circuit and leads to low voltage at South Molton 33 kV. Demand forecasts indicate this outage will overload this circuit in the future.

Reinforcement description

Installing an additional circuit between South Molton and Tinker's Cross, removing the circuit between Tinker's Cross and Lapford, and installing a new circuit between Lapford and Witheridge.



Constraint Season
Winter/Summer



Flexibility Product
Secure



Outage Type
N-1

Justification for decision

No flexibility requirement under Best View until 2029.

Constraint management timeline

2024 H1 **Signposting**

2023 H2 Signposting

2023 H1 Signposting

Time to Reinforce: 3 years

Constraint Type: Thermal

Estimated flex utilisation required per year (MWh):

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
-	-	-	-	-	1 MWh	20 MWh	821 MWh	2,704 MWh	6,424 MWh	12,558 MWh



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