

Tiverton to Bridge Mills and Cullompton circuits



Constraint description

Bridge Mills and Cullompton primaries are fed from Tiverton Bulk Supply Point (BSP) via a 33 kV ring, with connected 33 kV customers. An outage of one of the infeeds to the ring subsequently leads to low voltage on the 33 kV circuits.

Reinforcement description

Installing a new 33 kV cable circuit on one side of the ring to boost the voltage.



Constraint Season
Winter



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

2024 H1 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	£57 / MWh	£9 / MWh	£6 / MWh	£3 / MWh	£2 / MWh	£2 / MWh
	396 MWh	1,262 MWh	1,639 MWh	2,913 MWh	3,647 MWh	4,535 MWh
Utilisation	£3,392 / MWh	£554 / MWh	£369 / MWh	£182 / MWh	£139 / MWh	£107 / MWh
	9 MWh	70 MWh	108 MWh	225 MWh	296 MWh	387 MWh



For more information see the **Tiverton BSP NDP report**: <https://www.nationalgrid.co.uk/dso/network-development-plan>