

Milford Haven BSP



DNOA Decision

Reinforce with Flexibility

Constraint description

There are three 132 kV circuits between Pembroke Grid Supply Point (GSP) and Milford Haven Bulk Supply Point (BSP), with tees off these circuits to Golden Hill and Waterston BSPs. Haverfordwest BSP and multiple large industrial customers are also fed via Milford Haven. Under N-2 scenarios the entire group could be fed via just one 132 kV circuit.

Reinforcement description

The proposed reinforcement solution is to install a fourth 132 kV circuit between Pembroke GSP and Milford Haven BSP. Additional works include extending the existing 132 kV mesh layout at Milford Haven BSP.



Constraint Season
Winter/Summer



Flexibility Product
Dynamic



Outage Type
N-2



Justification for decision

Reinforcement works are being progressed. Flexibility will be utilised as required to manage the constraint in the interim.

Constraint management timeline

2024 H1 Procurement

2023 H2 Procurement

2023 H1 Procurement

Time to Reinforce: 3 years

Constraint Type: Thermal

Estimated flexibility price (£) and volumes (MWh) per year under Best View:

	2024	2025	2026	2027	2028	2029
Availability	£ 88 / 3,094 MWh	£ 13 / 31,345 MWh	£ 5 / 76,849 MWh	£ 3 / 133,533 MWh	£ 2 / 224,782 MWh	£ 1 / 356,215 MWh
Utilisation	£ 5,307 / 73 MWh	£ 764 / 337 MWh	£ 319 / 754 MWh	£ 165 / 1,705 MWh	£ 94 / 3,131 MWh	£ 62 / 4,234 MWh



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