

Milford Haven BSP



DNOA Decision

Reinforce with Flexibility

Scheme description

There are three 132 kV circuits between Pembroke GSP and Milford Haven 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 one 132 kV circuit. The proposed reinforcement is to install two new 132 kV circuits, one from Pembroke to Golden Hill and one from Golden Hill to Milford Haven.



Constraint Season
Summer



Flexibility Product
Dynamic

Justification for decision

Insufficient flexibility has been procured to defer reinforcement so works are being progressed. Flexibility will continue to be procured to deal with the constraint in the interim and provide additional network security.

Constraint management timeline

2023 H2 Procurement

2023 H1 Procurement

EPRC: 2026

Estimated flex availability price (£) and volumes (MWh) per year :

	2023	2024	2025	2026	2027
BV	£ 5 / 982 MWh	£ 8 / 1856 MWh	£ 6 / 3540 MWh	£ 6 / 14081 MWh	
CT	–	£ 8 / 1856 MWh	£ 6 / 3540 MWh	£ 6 / 14081 MWh	
LTW	–	£ 6 / 3411 MWh	£ 5 / 10930 MWh	£ 3 / 111369 MWh	
ST	–	£ 7 / 1477 MWh	£ 7 / 2784 MWh	£ 5 / 5736 MWh	
SP	–	£ 5 / 913 MWh	£ 8 / 1750 MWh	£ 5 / 3993 MWh	

Estimated flex utilisation price (£) and volumes (MWh) per year:

	2023	2024	2025	2026	2027
BV	£ 329 / 895 MWh	£ 467 / 1090 MWh	£ 350 / 1435 MWh	£ 370 / 1173 MWh	
CT	–	£ 467 / 1090 MWh	£ 350 / 1435 MWh	£ 370 / 1173 MWh	
LTW	–	£ 357 / 1410 MWh	£ 304 / 1535 MWh	£ 158 / 1435 MWh	
ST	–	£ 434 / 1008 MWh	£ 393 / 1283 MWh	£ 276 / 1798 MWh	
SP	–	£ 312 / 878 MWh	£ 477 / 1067 MWh	£ 329 / 1520 MWh	



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