

Aberaeron



DNOA Decision

Reinforce with Flexibility

Scheme description

Aberaeron is a single transformer primary substation with restricted FCO restoration capacity. The capacity under an outage is limited by the 11 kV backfeeds to neighbouring substations. Proposed reinforcement is to install a second 33/11 kV transformer and a new 33 kV circuit to Aberaeron.



Constraint Season
Winter/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
2022 H2 Procurement
2022 H1 Procurement
2021 H2 Procurement

EPRC: 2026

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

	2023	2024	2025	2026	2027
BV	£ 24 / 1725 MWh	£ 20 / 1854 MWh	£ 19 / 1977 MWh	£ 15 / 2654 MWh	
CT	–	£ 20 / 1871 MWh	£ 18 / 2094 MWh	£ 11 / 3559 MWh	
LTW	–	£ 16 / 2471 MWh	£ 13 / 3036 MWh	£ 7 / 5533 MWh	
ST	–	£ 19 / 2007 MWh	£ 17 / 2217 MWh	£ 16 / 2366 MWh	
SP	–	£ 20 / 1854 MWh	£ 19 / 1977 MWh	£ 15 / 2654 MWh	

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

	2023	2024	2025	2026	2027
BV	£ 1412 / 30 MWh	£ 1202 / 32 MWh	£ 1138 / 34 MWh	£ 892 / 41 MWh	
CT	–	£ 1194 / 32 MWh	£ 1087 / 35 MWh	£ 675 / 53 MWh	
LTW	–	£ 947 / 39 MWh	£ 791 / 45 MWh	£ 429 / 84 MWh	
ST	–	£ 1112 / 35 MWh	£ 1023 / 37 MWh	£ 974 / 38 MWh	
SP	–	£ 1202 / 32 MWh	£ 1138 / 34 MWh	£ 892 / 41 MWh	



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