

Aberaeron



DNOA Decision
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

Constraint management timeline

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 | £ 12 / 3377 MWh |
| CT | – | £ 20 / 1871 MWh | £ 18 / 2094 MWh | £ 11 / 3559 MWh | £ 8 / 5019 MWh |
| LTW | – | £ 16 / 2471 MWh | £ 13 / 3036 MWh | £ 7 / 5533 MWh | £ 5 / 7967 MWh |
| ST | – | £ 19 / 2007 MWh | £ 17 / 2217 MWh | £ 16 / 2366 MWh | £ 14 / 2725 MWh |
| SP | – | £ 20 / 1854 MWh | £ 19 / 1977 MWh | £ 15 / 2654 MWh | £ 12 / 3377 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 | £ 712 / 50 MWh |
| CT | – | £ 1194 / 32 MWh | £ 1087 / 35 MWh | £ 675 / 53 MWh | £ 474 / 76 MWh |
| LTW | – | £ 947 / 39 MWh | £ 791 / 45 MWh | £ 429 / 84 MWh | £ 290 / 128 MWh |
| ST | – | £ 1112 / 35 MWh | £ 1023 / 37 MWh | £ 974 / 38 MWh | £ 863 / 42 MWh |
| SP | – | £ 1202 / 32 MWh | £ 1138 / 34 MWh | £ 892 / 41 MWh | £ 712 / 50 MWh |



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