

Llandrindod – Rhayader



DNOA Decision
Flexibility

Scheme description

The Rhayader 11 kV network voltage falls below the statutory voltage limit when there is a fault resulting in the loss of the Builth Wells to Rhayader and Llandrindod Wells T1 66 kV circuits, leaving all of the Rhayader and Llandrindod Wells 11 kV demand supplied via Llandrindod Wells T2. The voltage can be brought back within statutory limits by reducing demand at Rhayader.



Constraint Season
Winter/Summer



Flexibility Product
Dynamic

Constraint management timeline

2023 H1 Procurement
2022 H2 Procurement
2022 H1 Procurement
2021 H2 Procurement
2021 H1 Procurement
2020 H2 Procurement
2020 H1 Procurement

EPRC: 2025

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

| | 2023 | 2024 | 2025 | 2026 | 2027 |
|------------|-----------------|-----------------|-----------------|----------------|-----------------|
| BV | £ 16 / 1089 MWh | £ 10 / 1338 MWh | £ 8 / 1646 MWh | £ 5 / 2561 MWh | £ 4 / 3695 MWh |
| CT | – | £ 13 / 1015 MWh | £ 11 / 1181 MWh | £ 8 / 1625 MWh | £ 6 / 2072 MWh |
| LTW | – | £ 10 / 1338 MWh | £ 8 / 1646 MWh | £ 5 / 2561 MWh | £ 4 / 3695 MWh |
| ST | – | £ 14 / 869 MWh | £ 13 / 925 MWh | £ 13 / 998 MWh | £ 12 / 1079 MWh |
| SP | – | £ 16 / 758 MWh | £ 16 / 748 MWh | £ 14 / 898 MWh | £ 12 / 1065 MWh |

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

| | 2023 | 2024 | 2025 | 2026 | 2027 |
|------------|----------------|----------------|----------------|----------------|----------------|
| BV | £ 935 / 15 MWh | £ 580 / 18 MWh | £ 469 / 22 MWh | £ 314 / 31 MWh | £ 222 / 43 MWh |
| CT | – | £ 764 / 14 MWh | £ 656 / 16 MWh | £ 481 / 21 MWh | £ 381 / 26 MWh |
| LTW | – | £ 580 / 18 MWh | £ 469 / 22 MWh | £ 314 / 31 MWh | £ 222 / 43 MWh |
| ST | – | £ 841 / 13 MWh | £ 809 / 13 MWh | £ 763 / 14 MWh | £ 718 / 14 MWh |
| SP | – | £ 954 / 12 MWh | £ 953 / 12 MWh | £ 824 / 13 MWh | £ 730 / 14 MWh |



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