

Morwenstow



DNOA Decision
Flexibility

Scheme description

Morwenstow 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 kV infeed and transformer at Morwenstow.



Constraint Season
Winter



Flexibility Product
Dynamic

Constraint management timeline

2023 H1 Procurement

2022 H2 Procurement

EPRC: 2024

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

	2023	2024	2025	2026	2027
BV	£ 76 / 738 MWh	£ 77 / 594 MWh	£ 82 / 482 MWh	£ 74 / 555 MWh	£ 67 / 640 MWh
CT	–	£ 96 / 490 MWh	£ 100 / 362 MWh	£ 95 / 391 MWh	£ 93 / 403 MWh
LTW	–	£ 77 / 593 MWh	£ 83 / 478 MWh	£ 73 / 562 MWh	£ 65 / 659 MWh
ST	–	£ 102 / 544 MWh	£ 111 / 431 MWh	£ 118 / 337 MWh	£ 125 / 263 MWh
SP	–	£ 100 / 498 MWh	£ 100 / 373 MWh	£ 101 / 363 MWh	£ 101 / 352 MWh

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

	2023	2024	2025	2026	2027
BV	£ 4574 / 8 MWh	£ 4623 / 8 MWh	£ 4921 / 7 MWh	£ 4416 / 7 MWh	£ 4019 / 8 MWh
CT	–	£ 5754 / 7 MWh	£ 6025 / 6 MWh	£ 5689 / 6 MWh	£ 5597 / 6 MWh
LTW	–	£ 4648 / 8 MWh	£ 4967 / 7 MWh	£ 4387 / 7 MWh	£ 3928 / 8 MWh
ST	–	£ 6127 / 7 MWh	£ 6682 / 7 MWh	£ 7085 / 6 MWh	£ 7518 / 5 MWh
SP	–	£ 5994 / 7 MWh	£ 6022 / 6 MWh	£ 6083 / 6 MWh	£ 6080 / 6 MWh



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