

Shrewsbury GSP



DNOA Decision
Flexibility

Scheme description

Shrewsbury GSP is fed via one SGT, and is run in parallel via two 132 kV circuits with Ironbridge GSP which has three SGTs. For an N-2 of an arranged outage on the Shrewsbury SGT followed by an outage on one of the 132 kV circuits the demand of Shrewsbury GSP is picked up by the remaining 132 kV circuit which could potentially overload. The proposed reinforcement is to install a second SGT at Shrewsbury GSP and split the network between the two GSPs.



Constraint Season
Summer



Flexibility Product
Dynamic

Constraint management timeline

2023 H1 Procurement

EPRC: 2027

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

| | 2023 | 2024 | 2025 | 2026 | 2027 |
|------------|----------------|-----------------|-----------------|-----------------|------------------|
| BV | £ 15 / 534 MWh | £ 8 / 3310 MWh | £ 5 / 7431 MWh | £ 2 / 24461 MWh | £ 1 / 48749 MWh |
| CT | – | £ 9 / 2523 MWh | £ 7 / 5018 MWh | £ 3 / 14025 MWh | £ 2 / 33948 MWh |
| LTW | – | £ 5 / 7567 MWh | £ 2 / 21908 MWh | £ 1 / 65209 MWh | £ 1 / 120789 MWh |
| ST | – | £ 13 / 1107 MWh | £ 9 / 1860 MWh | £ 8 / 3612 MWh | £ 5 / 6435 MWh |
| SP | – | £ 14 / 463 MWh | £ 14 / 699 MWh | £ 10 / 1577 MWh | £ 8 / 3129 MWh |

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

| | 2023 | 2024 | 2025 | 2026 | 2027 |
|------------|-----------------|-----------------|-----------------|-----------------|------------------|
| BV | £ 885 / 173 MWh | £ 503 / 291 MWh | £ 316 / 426 MWh | £ 133 / 899 MWh | £ 84 / 1240 MWh |
| CT | – | £ 545 / 278 MWh | £ 398 / 353 MWh | £ 207 / 600 MWh | £ 105 / 1065 MWh |
| LTW | – | £ 325 / 409 MWh | £ 142 / 849 MWh | £ 70 / 1343 MWh | £ 39 / 2289 MWh |
| ST | – | £ 752 / 213 MWh | £ 555 / 283 MWh | £ 467 / 312 MWh | £ 329 / 419 MWh |
| SP | – | £ 810 / 165 MWh | £ 858 / 191 MWh | £ 602 / 262 MWh | £ 462 / 323 MWh |



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