Hereford – Ledbury Ring

DNOA Decision
Reinforce with Flexibility

Scheme description
The Hereford 66 kV ring includes a solar farm and a number of 66/11 kV primary substations fed via two 66 kV circuits from Hereford BSP. During an outage on either of these infeeds, the volts at the solar farm could drop to below statutory limits. The conventional reinforcement solution is to install a STATCOM to improve the voltage regulation, upgrade the isolators at Ledbury and install a new 66 kV feeder bay with a circuit breaker and two new isolators at Brotheridge Green.

Constraint Season
Winter

Flexibility Product
Secure

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: 2024

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

	2023	2024	2025	2026	2027
BV	£1252 / 45 MWh	£500 / 115 MWh			
CT	–	£377 / 152 MWh			
LTW	–	£146 / 392 MWh			
ST	–	£771 / 75 MWh			
SP	–	£1252 / 33 MWh			

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

	2023	2024	2025	2026	2027
BV	£1753 / 45 MWh	£700 / 115 MWh			
CT	–	£527 / 152 MWh			
LTW	–	£205 / 392 MWh			
ST	–	£1079 / 75 MWh			
SP	–	£1753 / 33 MWh			

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