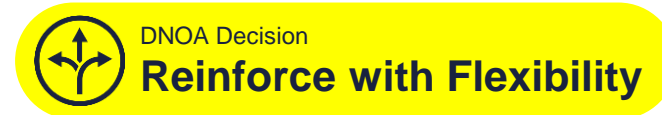


Hereford - Ledbury Ring



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

Justification for decision

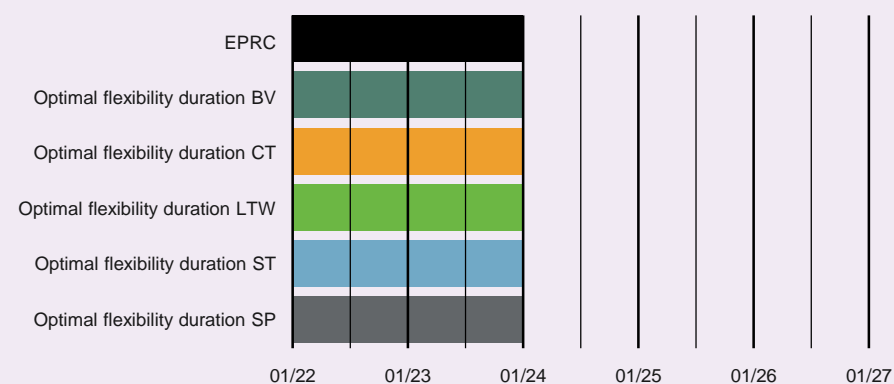
Reinforcement scheduled to be completed in 2023. Flexibility procurement is ongoing to deal with the constraint in the interim and provide additional network security.

Constraint management timeline

- 2022 H2 Procurement
- 2022 H1 Procurement
- 2021 H2 Procurement
- 2021 H1 Procurement
- 2020 H2 Procurement

Estimated flex utilisation required per year (MWh):

	2022	2023	2024	2025	2026
BV	29.90	43.95			
CT	52.83	118.18			
LTW	52.54	108.13			
ST	24.42	29.64			
SP	20.71	24.35			



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