

Mullion



DNOA Decision

Reinforce with Flexibility

Scheme description

Mullion 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 Mullion.



Constraint Season
Winter



Flexibility Product
Secure



Justification for decision

Insufficient flexibility has been procured to defer reinforcement so works are being progressed. Flexibility will continue to be procured to deal with the constraint in the interim and provide additional network security.

Constraint management timeline

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

EPRC: 2025

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

	2023	2024	2025	2026	2027
BV	£ 1252 / 29 MWh	£ 1252 / 33 MWh	£ 1252 / 33 MWh		
CT	–	£ 1252 / 17 MWh	£ 1252 / 14 MWh		
LTW	–	£ 1252 / 33 MWh	£ 1252 / 33 MWh		
ST	–	£ 1252 / 14 MWh	£ 1252 / 11 MWh		
SP	–	£ 1252 / 7 MWh	£ 1252 / 4 MWh		

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

	2023	2024	2025	2026	2027
BV	£ 1753 / 29 MWh	£ 1753 / 33 MWh	£ 1753 / 33 MWh		
CT	–	£ 1753 / 17 MWh	£ 1753 / 14 MWh		
LTW	–	£ 1753 / 33 MWh	£ 1753 / 33 MWh		
ST	–	£ 1753 / 14 MWh	£ 1753 / 11 MWh		
SP	–	£ 1753 / 7 MWh	£ 1753 / 4 MWh		



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