

Staythorpe GSP



DNOA Decision

Reinforce with Flexibility

Scheme description

Staythorpe GSP has two SGTs, each rated at 240 MVA. For an outage on one of the SGTs the other supplies the full group's demand, overloading it once the demand exceeds 240 MVA. The proposed solution is to install an additional SGT at Staythorpe.



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

EPRC: 2027

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

	2023	2024	2025	2026	2027
BV	£ 785 / 188 MWh	£ 191 / 752 MWh	£ 73 / 1963 MWh	£ 22 / 6499 MWh	£ 9 / 15137 MWh
CT	–	£ 190 / 758 MWh	£ 72 / 1977 MWh	£ 21 / 6591 MWh	£ 9 / 15357 MWh
LTW	–	£ 71 / 2012 MWh	£ 25 / 5759 MWh	£ 5 / 27247 MWh	£ 2 / 66189 MWh
ST	–	£ 488 / 295 MWh	£ 209 / 687 MWh	£ 99 / 1444 MWh	£ 51 / 2779 MWh
SP	–	£ 1041 / 139 MWh	£ 525 / 274 MWh	£ 152 / 939 MWh	£ 64 / 2235 MWh

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

	2023	2024	2025	2026	2027
BV	£ 1099 / 188 MWh	£ 268 / 752 MWh	£ 102 / 1963 MWh	£ 30 / 6499 MWh	£ 12 / 15137 MWh
CT	–	£ 266 / 758 MWh	£ 102 / 1977 MWh	£ 30 / 6591 MWh	£ 12 / 15357 MWh
LTW	–	£ 100 / 2012 MWh	£ 35 / 5759 MWh	£ 7 / 27247 MWh	£ 2 / 66189 MWh
ST	–	£ 684 / 295 MWh	£ 293 / 687 MWh	£ 139 / 1444 MWh	£ 72 / 2779 MWh
SP	–	£ 1457 / 139 MWh	£ 735 / 274 MWh	£ 214 / 939 MWh	£ 89 / 2235 MWh



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