

Knighton



DNOA Decision
Flexibility

Scheme description

Knighton is a 66/11 kV single transformer primary. Its firm capacity is limited by its 11 kV backfeed capacity. The demand at Knighton is projected to exceed this firm capacity at some point in the near future. The conventional reinforcement solution is to install a second 66 kV infeed circuit and a new 66/11 kV transformer at the site.



Constraint Season
Winter



Flexibility Product
Secure



Constraint management timeline

2023 H1 Procurement

EPRC: 2025

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

	2023	2024	2025	2026	2027
BV	£ 1252 / 2 MWh	£ 1252 / 4 MWh	£ 1252 / 7 MWh	£ 700 / 37 MWh	£ 185 / 139 MWh
CT	–	£ 1252 / <1 MWh	£ 1252 / <1 MWh	£ 1252 / 5 MWh	£ 977 / 27 MWh
LTW	–	£ 1252 / 4 MWh	£ 1252 / 6 MWh	£ 465 / 56 MWh	£ 97 / 266 MWh
ST	–	£ 1252 / <1 MWh	£ 1252 / 1 MWh	£ 1252 / 1 MWh	£ 1252 / 2 MWh
SP	–	£ 1252 / <1 MWh	£ 1252 / <1 MWh	£ 1252 / <1 MWh	£ 1252 / 2 MWh

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

	2023	2024	2025	2026	2027
BV	£ 1753 / 2 MWh	£ 1753 / 4 MWh	£ 1753 / 7 MWh	£ 981 / 37 MWh	£ 260 / 139 MWh
CT	–	£ 1753 / <1 MWh	£ 1753 / <1 MWh	£ 1753 / 5 MWh	£ 1367 / 27 MWh
LTW	–	£ 1753 / 4 MWh	£ 1753 / 6 MWh	£ 651 / 56 MWh	£ 136 / 266 MWh
ST	–	£ 1753 / <1 MWh	£ 1753 / 1 MWh	£ 1753 / 1 MWh	£ 1753 / 2 MWh
SP	–	£ 1753 / <1 MWh	£ 1753 / <1 MWh	£ 1753 / <1 MWh	£ 1753 / 2 MWh



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