

Dowsby Fen



DNOA Decision

Signposting

Constraint description

Dowsby Fen is a 33/11 kV single transformer site fed out of Bourne Bulk Supply Point (BSP). The site's firm capacity is limited by its 11 kV circuit breakers and 11 kV circuits to surrounding primaries. Predicted demand growth is greater than the firm capacity, creating an N-1 scenario (loss of the transformer and overload of the surrounding circuits).

Reinforcement description

Reinforcement for this site aims to install 15 km of 33 kV circuit split between overhead lines and underground cables to feed a second primary transformer.



Constraint Season
Winter/Summer



Flexibility Product
Secure



Outage Type
N-1

Justification for decision

No flexibility requirement under Best View until 2033.

Constraint management timeline

2024 H1 Signposting

Time to Reinforce: 3 years

Constraint Type: Thermal

Estimated flexibility volumes (MWh) per year under Best View:

2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
-	-	-	-	-	-	-	-	-	0.05 MWh	0.33 MWh



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