

Voltage



DNOA Decision
Reinforce

Scheme description

Many of the constraints identified on the network across NGED's four licence areas are related to voltages dropping below statutory limits.

Managing voltage constraints using flexibility services is possible. However, for more severe voltage constraints the fact that only real power (MW) is procured becomes a limiting factor. This is due to the fact that procuring real power without reactive power (MVar) leads to a reduction in power quality (the power factor for the network drops).

The following voltage constraints have been identified which are not suitable for mitigation with flexibility under NGED's current processes:

East Midlands

Alfreton to
Ravensdale Park

South Holland to
Long Sutton and
Holbeach



South Wales

Llandrindod to
Rhayader

Pembroke to
Broadfield

Abergavenny to
Glasbury



West Midlands

Feckenham to
Evesham and
Strensham

Hinksford to
Wribbenhall

Ironbridge to Star
Aluminium



South West

Barnstaple to South
Molton

Camborne Holmans

Feeder Road

Hayle BSP

Lapford and Tinkers
Cross

St Tudy to
Davidstow

