

# Physical restriction



DNOA Decision  
**Reinforce**

## Scheme description

Physical restrictions at some of NGED's substations can prevent additional feeder circuits from being installed, reducing opportunities for demand and generation customers to connect to the downstream network. The conventional reinforcement solution for these restrictions is the extension of the existing switchgear (or construction of a new switchroom) to facilitate additional feeder circuits and/or allow more secure running arrangements.

As these issues are based on physical restrictions, reducing loading through flexibility procurement would not mitigate these constraints. Flexibility can therefore not be used to defer switchgear extension schemes. The following switchgear extension schemes are planned on the EHV and 132 kV networks in NGED's four licence areas between now and 2025:

- Halesowen 132/11 kV
- Sutton Coldfield 132/11 kV
- Coseley 11 kV



For more information visit: [nationalgrid.co.uk/network-flexibility-map-application](https://nationalgrid.co.uk/network-flexibility-map-application)