

Our plans for an extension at Middleton Substation

Welcome

National Grid is proposing an extension at Middleton Substation, located around 5 km from Lancaster on the outskirts of Heysham.

Who is National Grid Electricity Transmission?

National Grid Electricity Transmission, owns, builds and maintains the high-voltage electricity transmission network in England and Wales. In England and Wales, the high voltage network operates primarily at 400,000 volts (400 kV) and 275,000 volts (275 kV).

The extension is being proposed in response to several energy projects being developed near Middleton, which require connections to the grid. As National Grid is legally obligated to fulfil any connection requests, this extension will help meet new demand and ensure Middleton Substation remains able to ensure resilient, efficient energy transmission for years to come.

Our proposals include:

- extending the existing 400 kV substation
- expanding the Gas Insulated Substation (GIS) building
- installing two new supergrid transformers (SGTs)
- laying new internal access roads and boundary fencing

The benefits



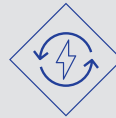
meeting growing demand by ensuring connections for two new projects and a further project in the future



improving infrastructure at the site, through upgrades to the GIS building and installing two new SGTs



mitigating disruption by installing new internal access roads, taking vehicles off local roads



future-proofing Middleton Substation, ensuring it remains operational for years to come

We're committed to transparent, effective communication throughout the project. Residents are invited to join the project team and learn more by:

Scanning the QR code to visit our website and register for a webinar on 5 March 2025, from 6-7pm

Joining us on 13 March 2025, from 4-7pm, at Heysham Jubilee Institute
30 Main Street, Heysham, Morecambe, LA3 2RW





Heysham



Key:

- NGET new equipment (infrastructure)
- Existing equipment
- NGET new connection equipment
- New user works
- - - User 400 kV cable
- Existing NGET boundary
- Perimeter fence
- ▨ Temporary Construction Compound

A683



Highways and transport

We recognise the impact that large vehicles and HGVs can have on local roads and local people.

The highly strategic location of the site, close to the A683, will allow our vehicles direct access to the site without travelling through residential areas and on local roads, significantly mitigating any disruption.

Vehicle movements will be highest during the construction period. During operation, vehicle movements to and from the site are typically limited to required maintenance at the substation, and much fewer than movements during construction.

Critical infrastructure

The extension will connect two significant energy projects to the grid:

- a 940 MW energy storage project
- a 200 MW energy storage project.

The upgrades to Middleton Substation will allow further demand to be met in the future.

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