

Grimsby to Walpole

Strengthening the electricity network in the East Midlands



Grimsby to Walpole is a proposed new electricity transmission project between north east Lincolnshire and north Norfolk. The project will connect our homes, businesses and public services to more secure, cleaner, home-grown energy from more affordable sources.

It includes new overhead lines and substations, enabling more electricity to flow from where it is generated to where it is needed across the East Midlands. This includes connecting new home-grown British energy, generated from offshore wind and other sources planned in the region.

The project forms part of the Great Grid Upgrade, the largest upgrade of the electricity network in generations. Together, these upgrades are helping to deliver a grid that is fit for the future, supporting secure and affordable electricity for homes and businesses.

Why this is needed

The way we generate electricity has changed and is continuing to change. The existing network in the region does not have the capacity to deliver the required amount of electricity to where it is needed across the East Midlands.

The existing network, built in the 1960s, has insufficient capacity for new homegrown electricity connections. To meet future demand, we need to reinforce parts of the network.

The Great Grid Upgrade

The Great Grid Upgrade is upgrading the electricity network so it can:



carry more home-grown renewable energy



improve Britain's energy security



prepare the grid for rising electricity demand

In the East Midlands, these upgrades bring investment closer to home, while strengthening the infrastructure that communities and businesses rely on every day.

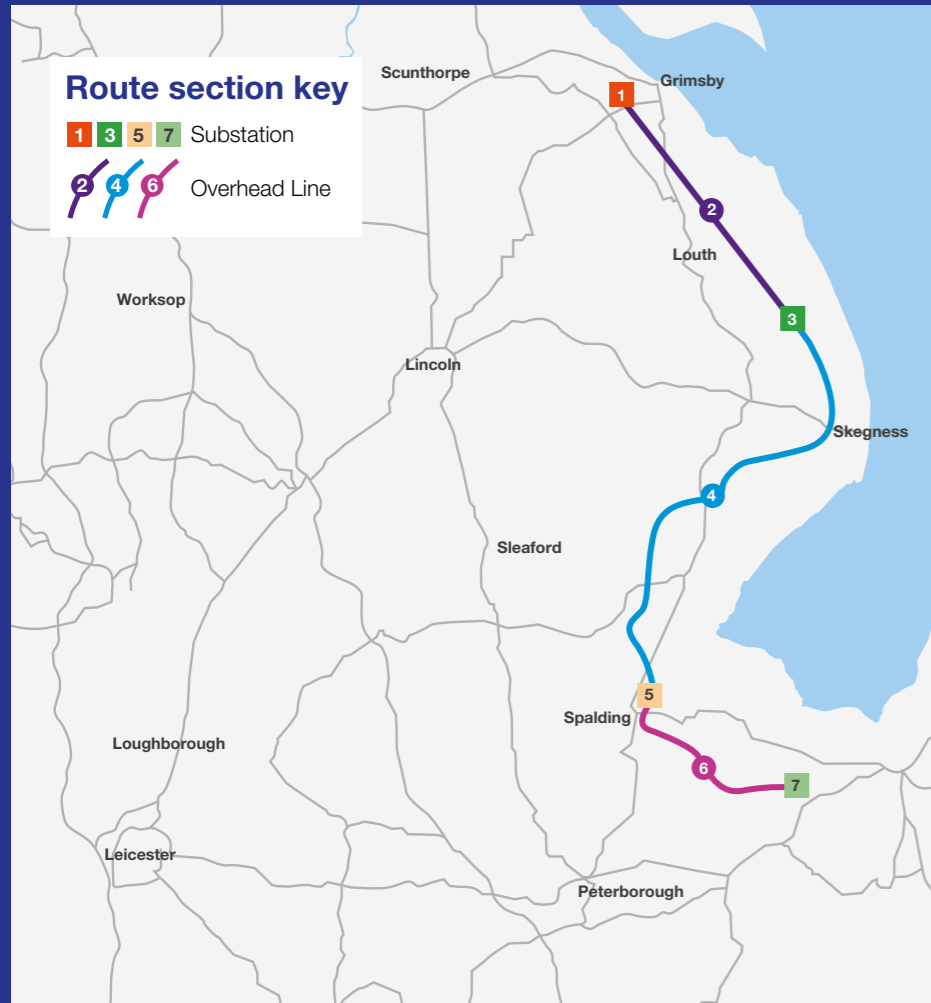


How the route is organised

Each section focuses on a specific length of overhead line or a substation location.

Route section 1 – New Grimsby West Substation

A new 400 kV substation near the existing Grimsby West substation. Once built, the existing substation would be fully or partly decommissioned.



Route section 2 – New Grimsby West Substation to Lincolnshire Connection Substation A

A new overhead line connecting the new Grimsby West Substation to Lincolnshire Connection Substation A, including sections of low-height pylons to reduce potential impacts on the Lincolnshire Wolds.

Route section 3 – Lincolnshire connection substations A and B

Two new 400 kV substations south-west of Mablethorpe, connected by a short length of overhead line.

Route section 4 – Lincolnshire connection substation B to Weston Marsh

An overhead line running through Lincolnshire, connecting Lincolnshire Connection Substation B to Weston Marsh Substation A.

Route section 7 – Walpole B substation

A new 400 kV substation near the existing Walpole Substation in north Norfolk.

Route section 5 – Weston Marsh substations

Two new substations at Weston Marsh, connected to each other by a short underground cable, and to the existing electricity network via modified and new overhead lines.

Route section 6 – Weston Marsh to Walpole B substation

An overhead line connecting Weston Marsh Substation A to Walpole B substation.

Respecting the landscape and environment

Our detailed environmental surveys and assessments have helped us to understand potential impacts and how they can be avoided, reduced or mitigated during construction and operation. Where avoidance and mitigation is not possible, we would seek to offset – or compensate for – effects by planting or enhancing the environment near to the area of works.

We are working closely with local authorities and relevant stakeholders to identify what kind of enhancement is most suitable and where to locate it.

The project is also designed to deliver biodiversity net gain, leaving habitats in a better condition than before.

Construction and minimising disruption

Construction would involve activities such as:

- building pylon foundations and overhead lines
- constructing substations and installing equipment
- using temporary access routes and compounds.

Our proposals include measures to manage traffic, noise and dust, and to limit disruption to homes, businesses and agricultural activities, where possible.



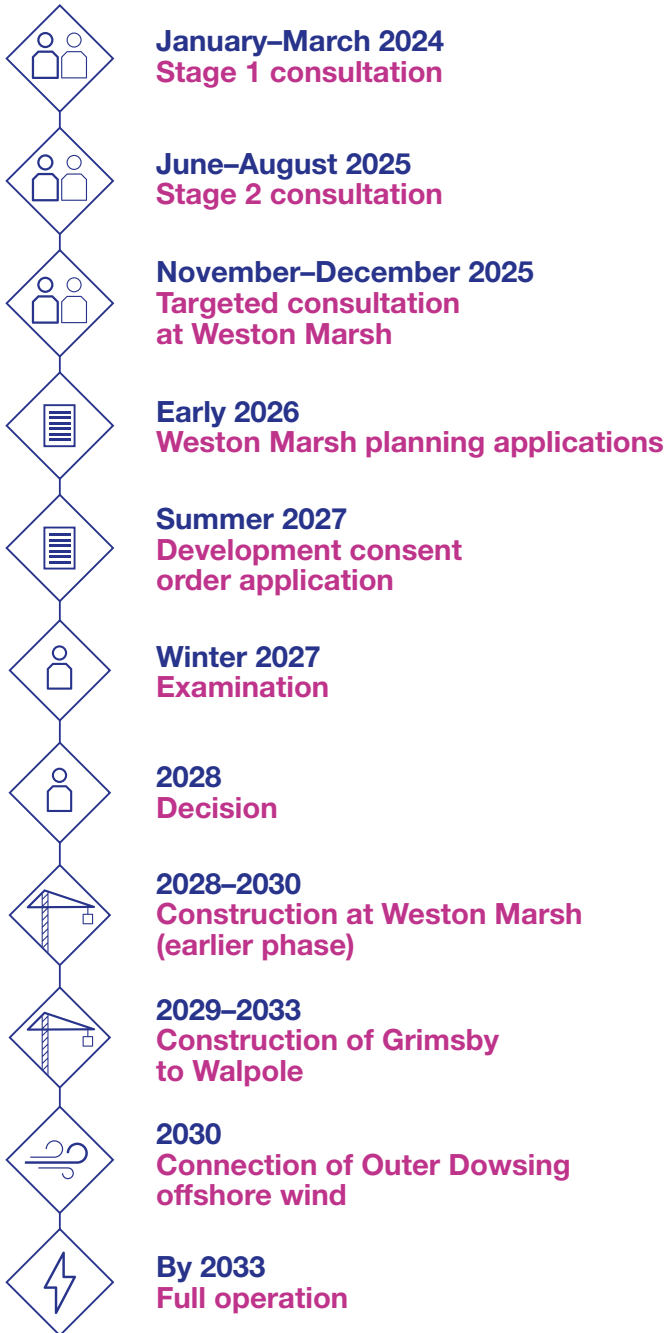
Communities and local benefits

Communities hosting new electricity infrastructure should benefit from doing so. Millions of pounds will be available to benefit local communities and the wider area.

We have asked local people for their views on what matters most and where this funding could deliver the greatest local value. Ideas raised include:

- investment in the local environment, supporting nature recovery, greener shared spaces and long-term environmental resilience
- locally-led initiatives addressing fuel poverty, access, wellbeing and community resilience
- skills development and jobs, helping people access training, apprenticeships and employment linked to the energy transition.

Indicative timeline



Information of landowners

If you have a legal interest in land within or near the proposed route, you may be contacted as part of the planning process. We have appointed Dalcour Maclaren to help identify land interests and arrange access for surveys.

If you have questions about land or surveys:

- email: g-w@dalcourmaclaren.com
- phone: **0333 034 7961**



More information

Further information about Grimsby to Walpole is available online, including plans and maps showing the proposed route. You can view project information at nationalgrid.com/g-w

You can also contact the project team:

phone: 0808 258 4395

email: contact@g-w.nationalgrid.com

mail: Freepost G To W (no stamp needed)

nationalgrid