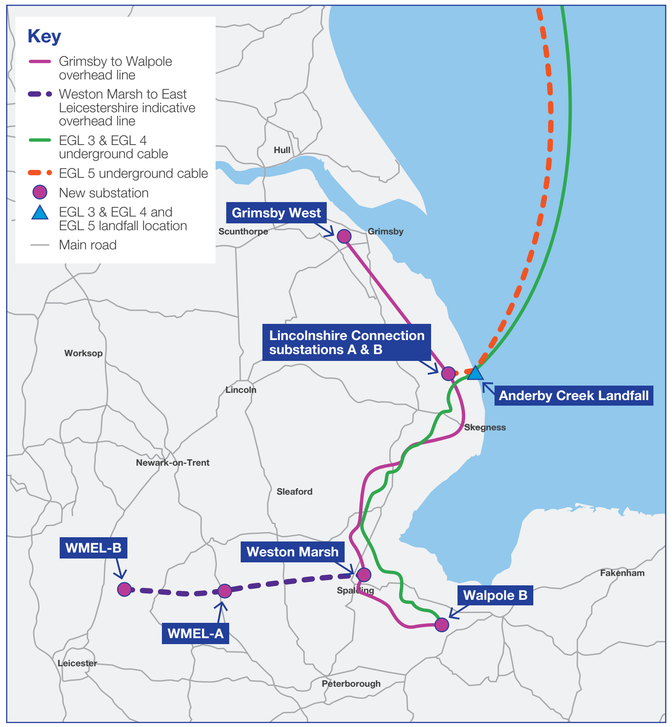
The region's role in the Great Grid Upgrade

The Great Grid Upgrade is the largest overhaul of the electricity grid in generations. These major infrastructure projects will help to connect more clean, secure energy to homes and businesses.

Four of these new projects are connecting in the Lincolnshire area, with each serving a unique purpose in reinforcing the network, connecting clean energy from where it's generated to where it is needed.



Co-ordinating The Great Grid Upgrade locally

In developing The Great Grid Upgrade, we have considered how these projects can be delivered cohesively, while ensuring maximum benefit for consumers, local communities and the environment. In the Lincolnshire area, this has included:

1. sharing cable corridor routes
2. sharing landfall locations
3. managing construction impacts
4. considering cumulative impacts
5. co-ordinating environmental management
6. co-ordinating local engagement

Grimsby to Walpole

Grimsby to Walpole is a 140 km overhead line between Northeast Lincolnshire and North Norfolk, needed to reinforce the network, and to connect new sources of electricity planned in the area, including offshore wind, solar, gas-fired generation, interconnectors, battery storage and subsea links from Scotland.

Powering up to six million homes
Statutory Consultation: June to August 2025
Anticipated Construction: 2028 – 2033

Visit the project website

EGL 3 & EGL 4 (Eastern Green Link)

EGL3 and EGL4 are two primarily offshore subsea cables, needed to move clean wind energy generated offshore in Scottish waters through offshore subsea cables and underground onshore cables to the Midlands and South of England.

Powering up to two million homes each
Statutory Consultation: May to June 2025
Anticipated Construction: 2029 - 2034

Visit the project website

Weston Marsh to East Leicestershire

Weston Marsh to East Leicestershire is a proposed network reinforcement, carrying electricity into the Midlands.

Powering up to six million homes
Non-Statutory Consultation: June to August 2025
Anticipated Construction: 2029 - 2033

Visit the project website

EGL 5 (Eastern Green Link)

EGL 5 is a proposed cable route connecting offshore wind power in Scotland to the Midlands. The cable will be subsea when offshore and underground when onshore.

Powering up to two million homes
Non-Statutory Consultation: May to June 2025
Anticipated Construction: 2030 - 2035

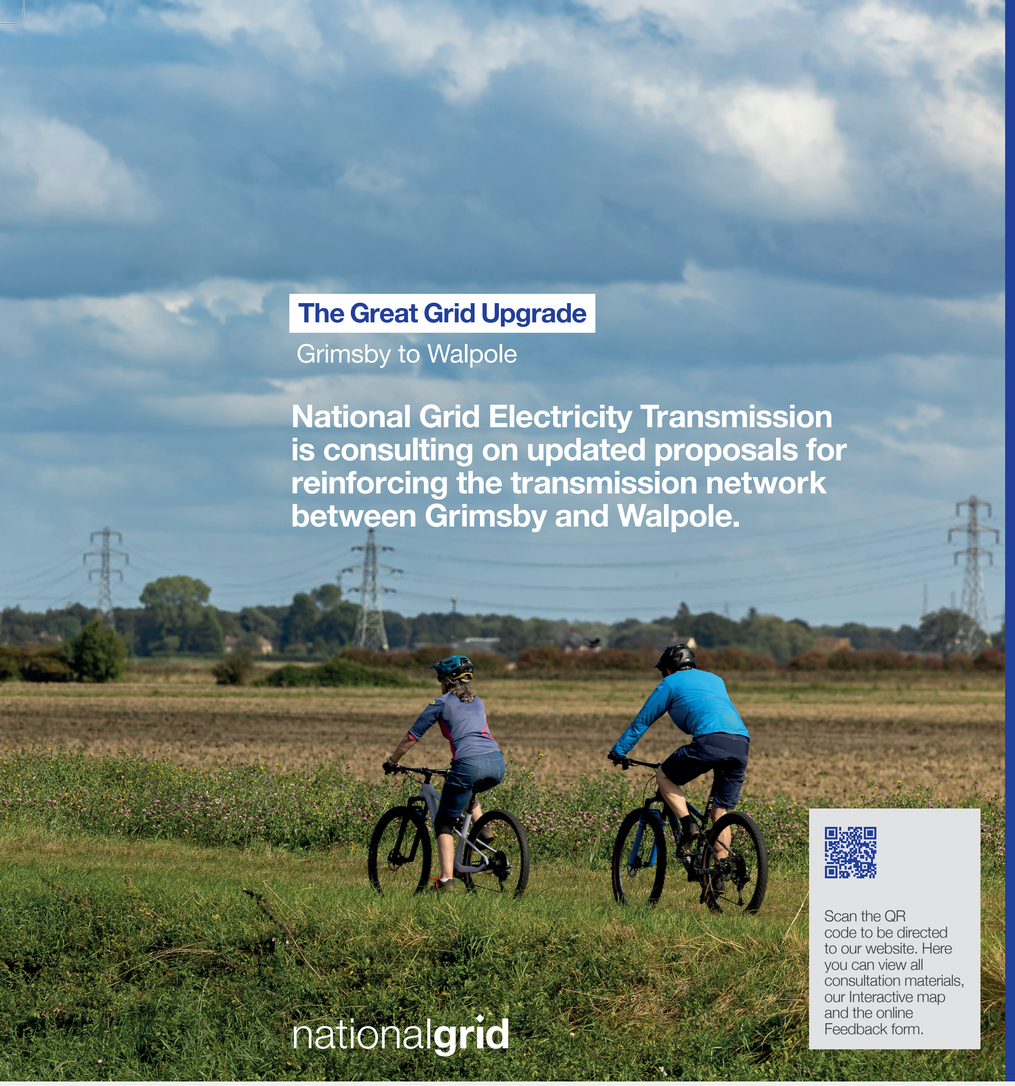
Visit the project website

Supporting local communities

We believe local communities hosting new transmission infrastructure should receive benefits for doing so. Here are some thoughts about what could potentially be supported through community benefit funds - but we want to hear your views.

We will engage with local communities and stakeholders to ensure we identify community benefits that work for you.

- **Delivering environmental enhancements**
- **Supporting employment, education, and skills development**
- **Promoting health and wellbeing in the community**
- **Investing in community infrastructure and facilities**
- **Alleviating fuel poverty and enhancing energy efficiency**
- **Supporting communities to decarbonise**



The Great Grid Upgrade

Grimsby to Walpole

National Grid Electricity Transmission is consulting on updated proposals for reinforcing the transmission network between Grimsby and Walpole.

nationalgrid

Scan the QR code to be directed to our website. Here you can view all consultation materials, our Interactive map and the online Feedback form.

Grimsby to Walpole will connect the East Midlands to home-grown, more affordable sources of power, helping to deliver energy security for Britain and meet rising demand for electricity.

Our consultation

We'd like to hear your thoughts on our proposals as we finalise our plans and prepare to submit our application for development consent.

Our consultation will run until 11:59pm on **Wednesday 6 August 2025**.

Today's event is a chance to learn more about the proposals and speak to members of the team. There are other ways you can get involved, including:

- visiting our website at **nationalgrid.com/g-w**
- **attending a webinar** where you can learn more about our proposals. Details on how to sign up for a webinar are available on the website or by contacting us
- **completing the Feedback form**. You can do this online through our website, in person at today's event, or by sending your Feedback form to us by email or letter by **Freepost G TO W** (no stamp required).

Who we are

nationalgrid
In the UK

National Grid Electricity Transmission

Owns and manages the high voltage electricity transmission system in England and Wales.

National Grid Strategic Infrastructure

Delivers major strategic UK electricity transmission projects, focused on connecting more clean, low-carbon power to England and Wales.

National Grid Electricity Distribution

Owns and operates the electricity distribution networks for the Midlands, the South West of England and South Wales, with 8m customer connections serving a population of over 18m people.

National Grid Ventures

Operates a mix of energy assets and businesses to help accelerate the development of our clean energy future (such as undersea interconnectors that allow the UK to share energy with other European countries).

What is The Great Grid Upgrade?

As we transition to clean, green energy, we need to build new infrastructure, as well as upgrading the existing grid, to bring this power from where it's generated to where it's needed in homes and businesses.

A grid that's fit for the future

Investment close to home

More clean energy for all

Energy security

Indicative Project timeline

January 2024 - March 2024
Stage 1 consultation

April 2024 - May 2025
Consideration of 2024 Stage 1 consultation feedback

June 2025 to August 2025
Stage 2 consultation

Summer 2027
DCO Application submission

Spring 2026
Localised consultation at Weston Marsh

Winter 2027
Examination

2028
Recommendation and Decision

2029 - 2033
Construction

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Our proposals in your area

Route section 1

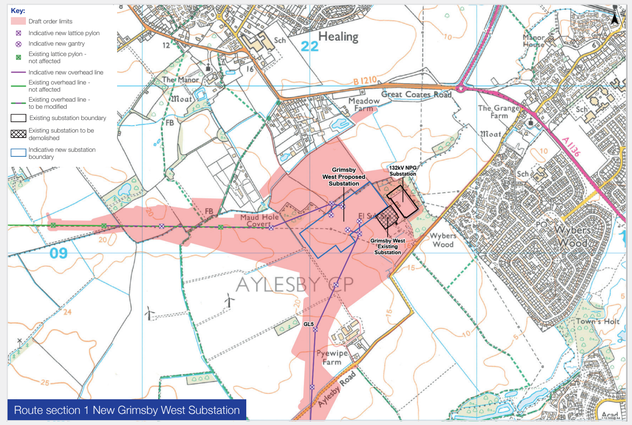
New Grimsby West Substation

New Grimsby West Substation would be located west of the existing substation, which would be mostly or entirely decommissioned.

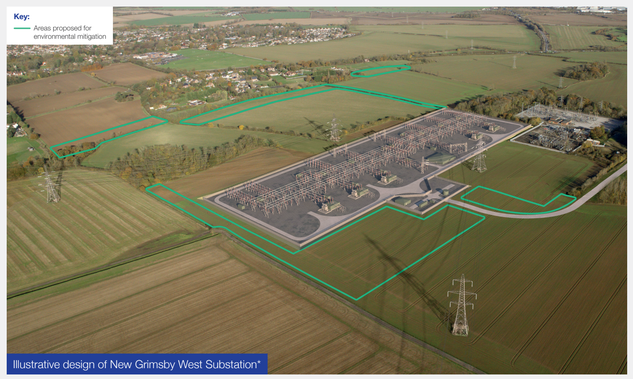
The new substation would feature Air Insulated Switchgear (AIS), with most of the equipment outdoors within a securely fenced area. There would also be connections and modifications to the existing 400 kV overhead lines, and a connection to the new 400 kV Grimsby to Walpole line.

Proposed substation technology

There are primarily two different types of substations, Air Insulated Switchgear (AIS) and Gas Insulated Switchgear (GIS). AIS uses air to insulate the electrical components. AIS is the default for substations because it allows for much easier installation, procurement of equipment, and operation and maintenance. Gas Insulated Switchgear (GIS) uses gas to insulate the electrical components. Substations included as part of our proposals for Grimsby to Walpole are proposed to be AIS.



Route section 1 New Grimsby West Substation



Illustrative design of New Grimsby West Substation*

* For more information on the production of the imagery, please refer to the Stage 2 consultation document. For the detailed drawings of the design being consulted on please see the Route section plans.

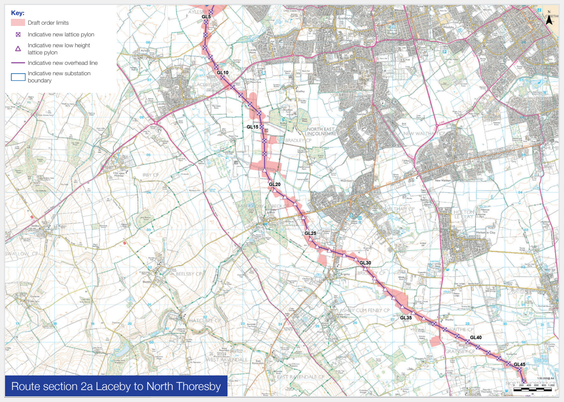
Route sections 2a and 2b

New Grimsby West Substation to Alvingham

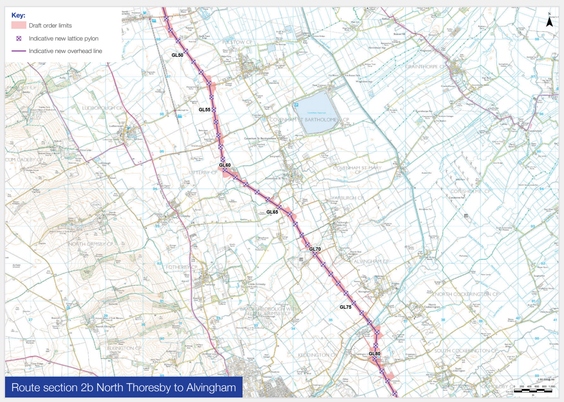
The overhead line would cross the A46 between Laceby and Laceby Acres, routing southeast as low-height pylons between Barnoldby le Beck and Waithe.

The proposed alignment would continue between Waithe and Grainsby, crossing the B1201 east of North Thoresby.

It would then head south from B1201 to the west of Covenham St Mary, and towards Alvingham.



Route section 2a Laceby to North Thoresby



Route section 2b North Thoresby to Alvingham

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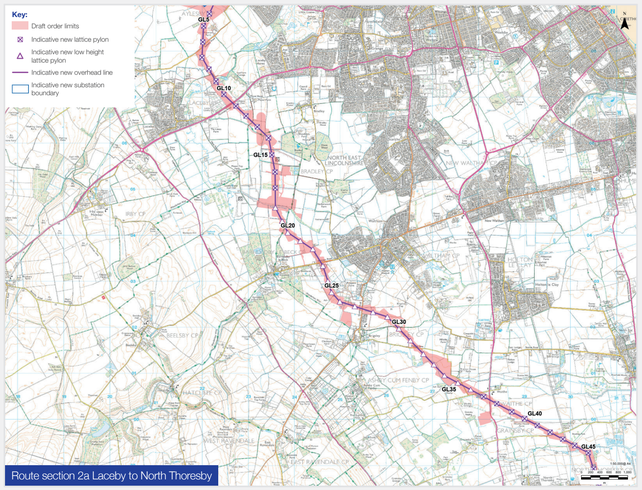
Our proposals in your area

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

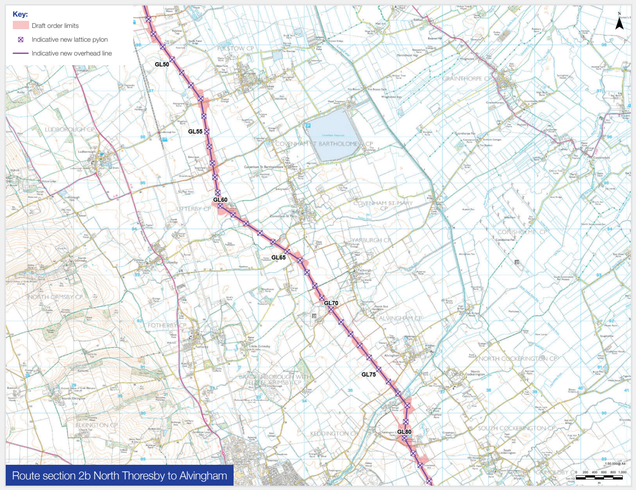
The overhead line would cross the A46 between Laceby and Laceby Acres, routing southeast as low-height pylons between Barnoldby le Beck and Waithe.

The proposed alignment would continue between Waithe and Grainsby, crossing the B1201 east of North Thoresby. It would then head south from B1201 to the west of Covenham St Mary, and towards Alvingham.

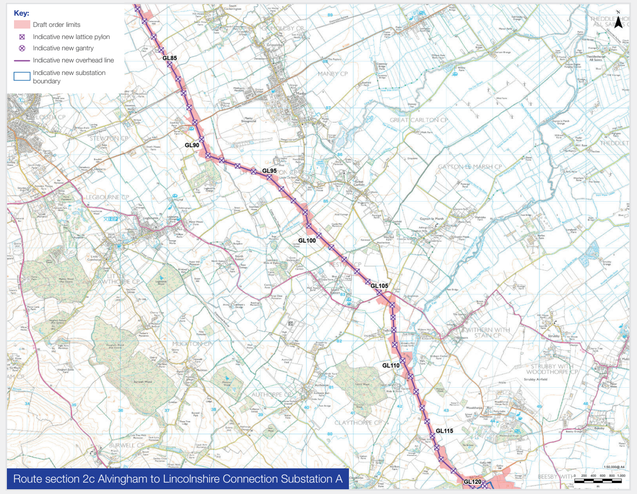
From Alvingham, the route would cross Louth Canal, pass between Tothill and Withern, and connect into Lincolnshire Connection Substation A, east of Greenfield Wood and Mother Wood.



Route section 2a Laceby to North Thoresby



Route section 2b North Thoresby to Alvingham



Route section 2c Alvingham to Lincolnshire Connection Substation A

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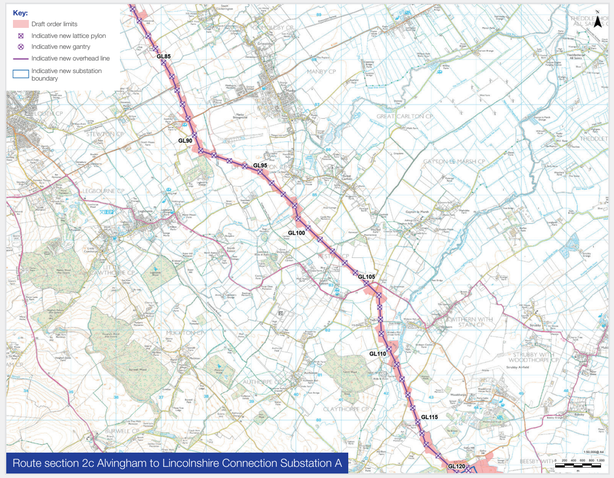
Our proposals in your area

Route section 2c
Alvingham to Lincolnshire Connection Substation A

From Alvingham, the route would cross Louth Canal, pass between Tothill and Withern, and connect into Lincolnshire Connection Substation A, east of Greenfield Wood and Mother Wood.



Route section 2c Alvingham to Lincolnshire Connection Substation A

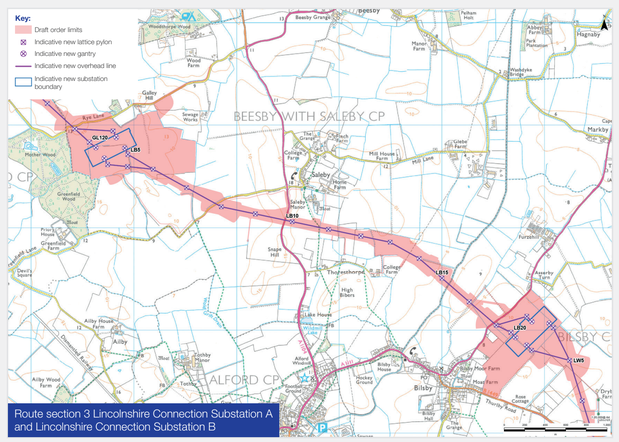
Route section 3
Lincolnshire Connection Substation A and Lincolnshire Connection Substation B

Two new 400kV substations, Lincolnshire Connection Substations A and B, are proposed in the area, one to the east of Greenfield Wood and Mother Wood, and the other north east of Brigsley.

Both would use Air Insulated Switchgear (AIS), meaning most of the equipment will be outdoors within a securely fenced area.

Illustrative design of Lincolnshire Connection Substation A*

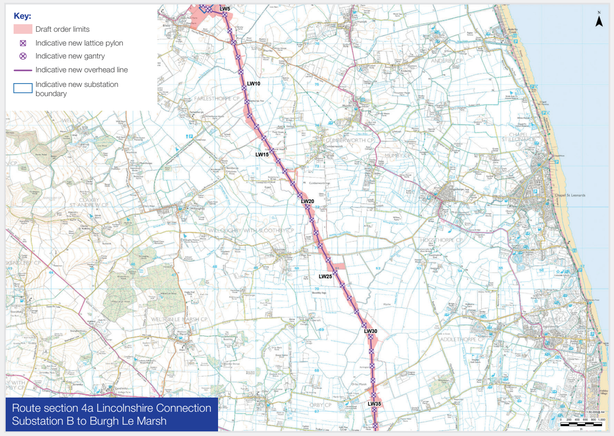
Illustrative design of Lincolnshire Connection Substation B*



Route section 3 Lincolnshire Connection Substation A and Lincolnshire Connection Substation B

Route section 4a
Lincolnshire Connection Substation B to Burgh le Marsh

The overhead line would route south from Lincolnshire Connection Substation B, passing west of Cumberworth and east of Sloothby. It would then continue south towards the A158 Skegness Road before passing west of Burgh le Marsh.



Route section 4a Lincolnshire Connection Substation B to Burgh Le Marsh

Proposed substation technology

There are primarily two different types of substations, Air Insulated Switchgear (AIS) and Gas Insulated Switchgear (GIS). AIS uses air to insulate the electrical components. AIS is the default for substations because it allows for much easier installation, procurement of equipment, and operation and maintenance. Gas Insulated Switchgear (GIS) uses gas to insulate the electrical components. Substations included as part of our proposals for Grimsby to Walpole are proposed to be AIS.

* For more information on the production of the imagery, please refer to the Stage 2 consultation document. For the detailed drawings of the design being consulted on please see the Route section plans.

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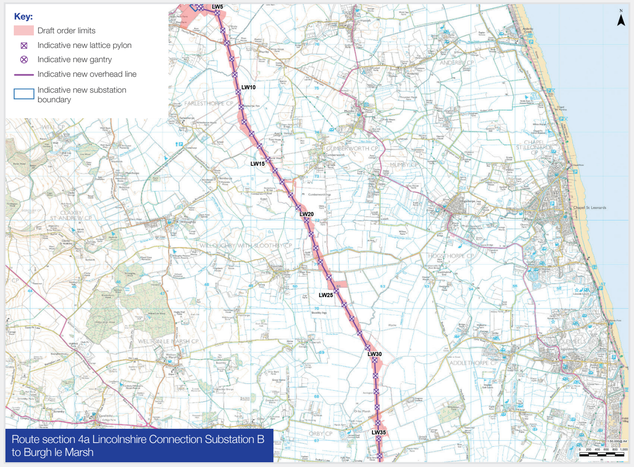
Our proposals in your area

Route sections 4a, 4b and 4c
Lincolnshire Connection Substation B to Gipsey Bridge

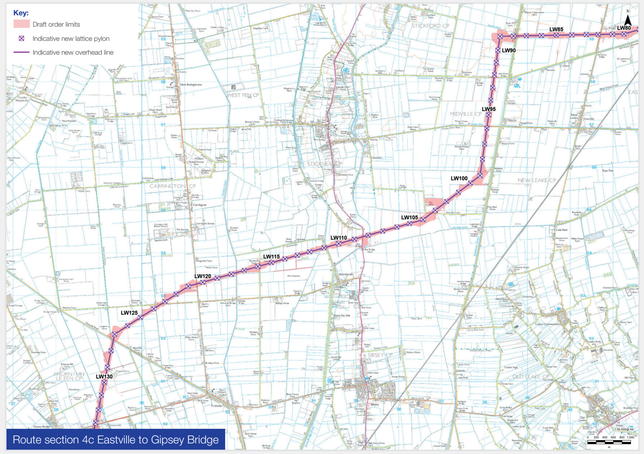
The overhead line would route south from Lincolnshire Connection Substation B, passing west of Cumberworth and east of Sloothby.
It would then continue south towards the A158 Skegness Road before passing west of Burgh le Marsh.

The line would then cross the Poacher railway line and Steeping River, running parallel to the railway line before crossing it again northeast of New Leake.
Just north of Midville, it would route south, passing west of Midville and continue southwest between Gipsey Bridge and Frithville.



Route section 4a Lincolnshire Connection Substation B to Burgh le Marsh

Route section 4b Burgh le Marsh to Eastville



Route section 4c Eastville to Gipsey Bridge

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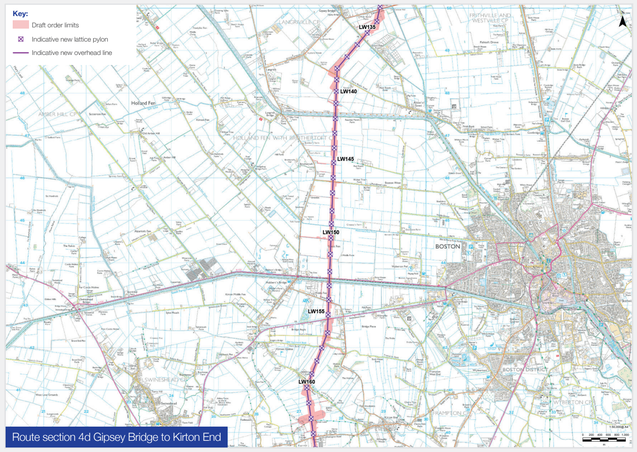
Our proposals in your area

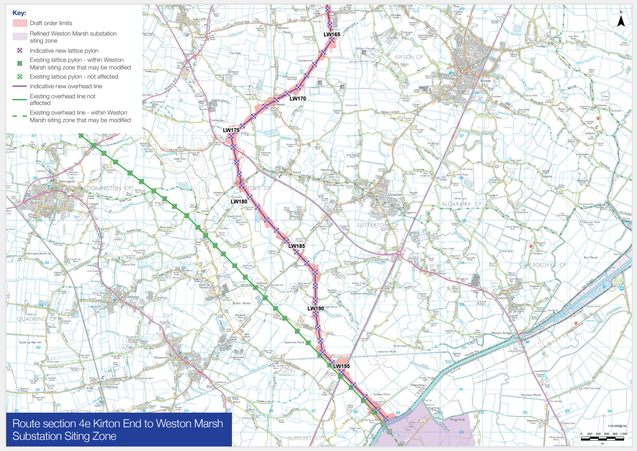
Route sections 4d and 4e
Gipsey Bridge to Refined Weston Marsh Substation Siting Zone

The proposed overhead line would route southwest between Gipsey Bridge and Frithville, before continuing south to cross River Witham and over the A121, Poacher railway line and the South Forty Foot Drain at Hubbert's Bridge.

The route would then head south to the B1391 west of Kirton End, before going southwest, passing to the west of Wigtoft. It would then head southeast, passing to the west of Sutterton Dowdyke, before continuing southeast towards the Refined Weston Marsh Substation Siting Zone.



Route section 4d Gipsey Bridge to Kirton End

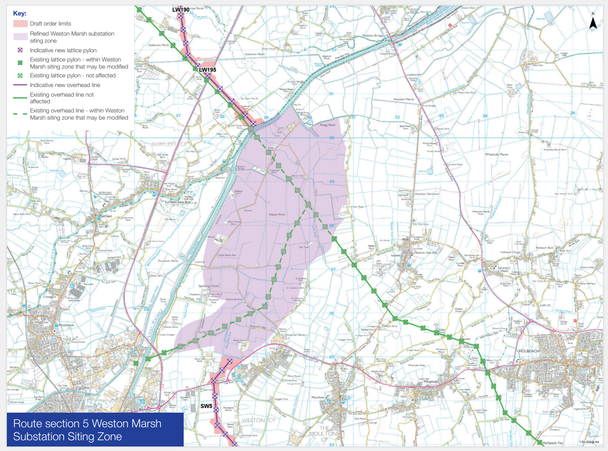


Route section 4e Kirton End to Weston Marsh Substation Siting Zone

Route section 5
Refined Weston Marsh Substation Siting Zone

Up to two new 400 kV substations could be needed in the vicinity of Spalding Tee-Point to connect new electricity generation into the network.

The proposals for Weston Marsh are still at an early stage and we will consult on the details of these substations in a further consultation.



Route section 5 Weston Marsh Substation Siting Zone

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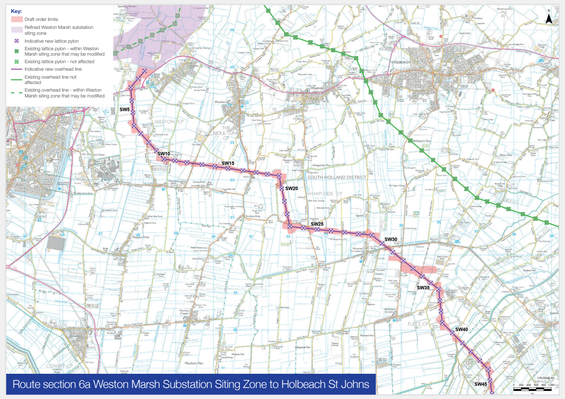
Our proposals in your area

Route section 6

Refined Weston Marsh Substation Siting Zone to Walpole B Substation

The proposed overhead line would head south from Weston, before heading east, passing north of Weston Hills and Austendike. From Whaplode Fen, the proposed alignment would route southeast, passing northeast of Holbeach St Jones, before continuing south of Tydd St Giles to cross the River Nene.

After crossing the river, the overhead line would continue east to connect into the new Walpole B Substation.



Route section 6a Weston Marsh Substation Siting Zone to Holbeach St Johns

Route section 6b Holbeach St Johns to Walpole B

Route section 7

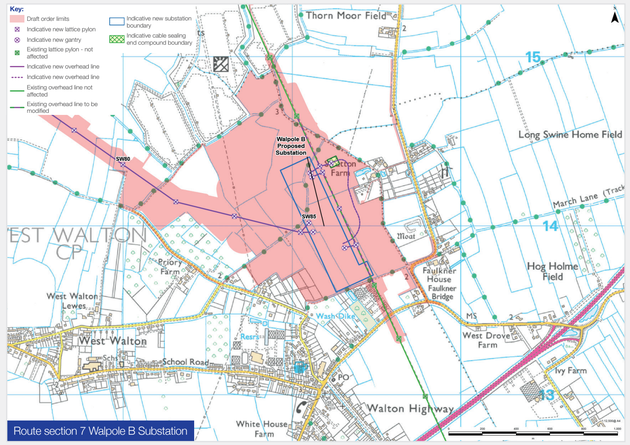
Walpole B Substation

A new substation is proposed north of Walton Highway, adjacent to the existing 400 kV overhead line. We are proposing an Air Insulated Switchgear (AIS), with most of the equipment outdoors within a securely fenced area.

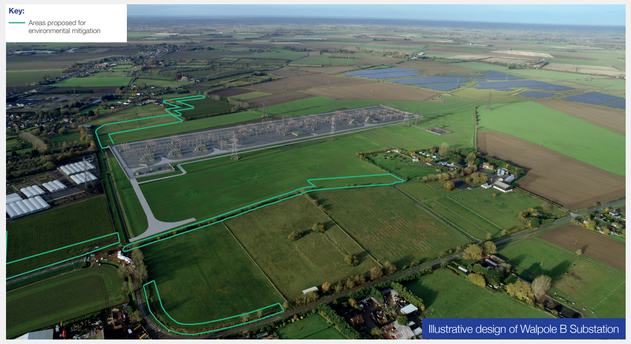
The substation would require reconfiguration of existing overhead lines and installation of a short underground cable to enable connections and allow circuits to cross each other as they enter the new substation.

Proposed substation technology

There are primarily two different types of substations, Air Insulated Switchgear (AIS) and Gas Insulated Switchgear (GIS). AIS uses air to insulate the electrical components. AIS is the default for substations because it allows for much easier installation, procurement of equipment, and operation and maintenance. Gas Insulated Switchgear (GIS) uses gas to insulate the electrical components. Substations included as part of our proposals for Grimsby to Walpole are proposed to be AIS.



Route section 7 Walpole B Substation



Illustrative design of Walpole B Substation

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