The Great Grid Upgrade

North Humber to High Marnham

NHHM-CAV-CNS-REP-0002

North Humber to High Marnham

Volume 5: Reports and Statements

Document 5.1 Consultation Report Appendix H - Section 47 Consultation Materials

Final Issue A

October 2026

Planning Inspectorate Reference: EN020034

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(q)

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H.1 Social Media Advertising

Inactive

Library ID: 605418278977403

19 Mar 2025 - 27 Mar 2025

Platforms

Categories

Estimated audience size: **100K-500K**

Amount spent (GBP): **£300-£399**

Impressions: **150K-175K**

See ad details

National Grid

Sponsored · Paid for by National Grid UK

Mark your calendars for our public information event at Cottingham Civil Hall about National Grid's North Humber to High Marnham project.

The event is your chance to learn about our detailed proposals to build a new overhead line between planned new substations at Birkhill Wood in East Riding of Yorkshire and ...



NATIONALGRID.COM

Tap to learn more

Learn more

Inactive

Library ID: 1209977580922268

14 Mar 2025 - 22 Mar 2025

Platforms

Categories

Estimated audience size: **100K-500K**

Amount spent (GBP): **£300-£399**

Impressions: **150K-175K**

See ad details

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Learn more

Inactive

Library ID: 664981105885842

12 Mar 2025 - 19 Mar 2025

Platforms

Categories

Estimated audience size: **100K-500K**

Amount spent (GBP): **£300-£399**

Impressions: **150K-175K**

See ad details

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Tap to learn more

Learn more

The Great Grid Upgrade

All Saints Community Centre, Church Hill, South Cave HU15 2EU

Friday 14 March

1-7pm



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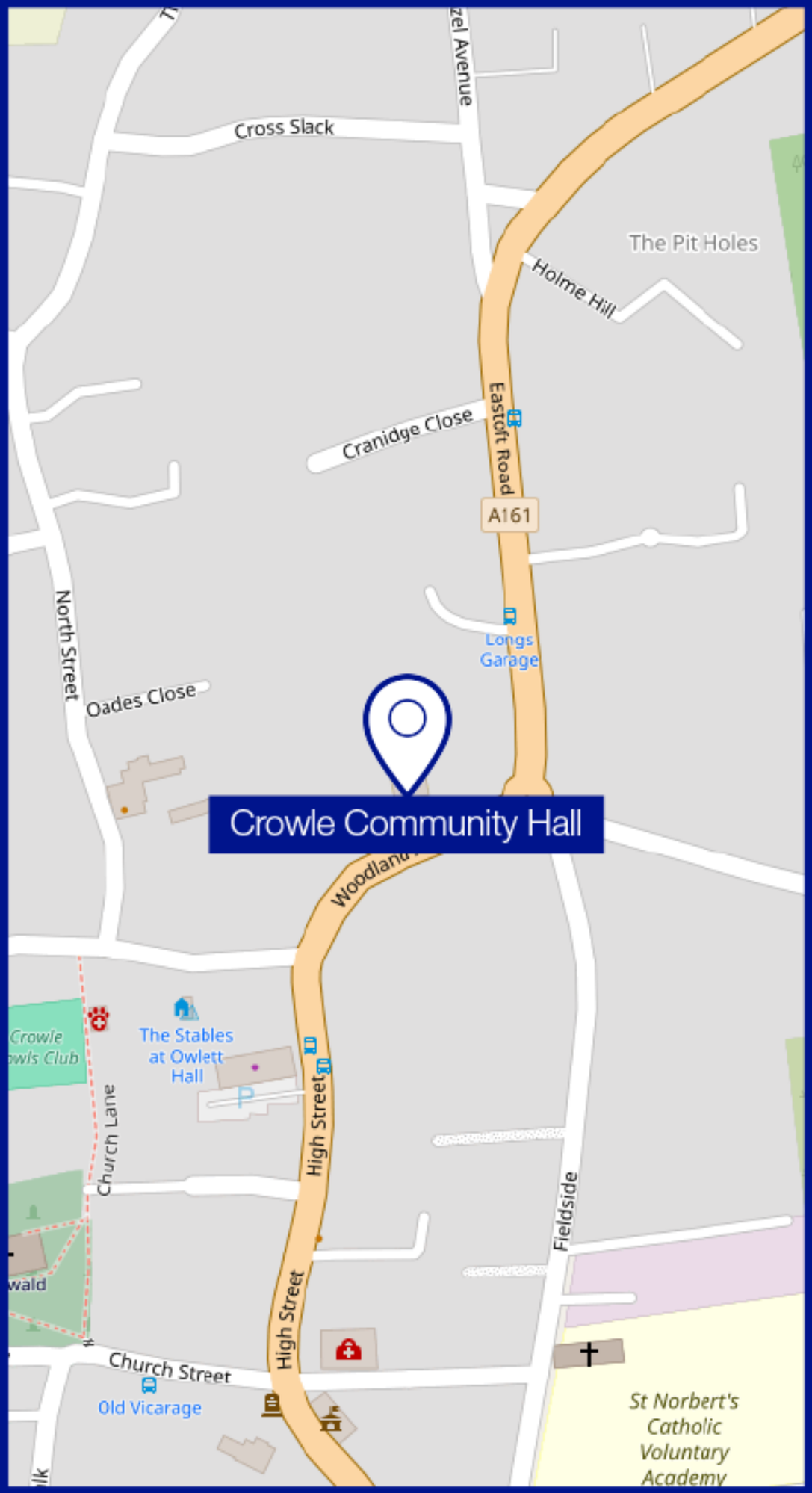
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The Great Grid Upgrade

Crowle Community Hall, Crowle, Scunthorpe DN17 4LL

Monday 10 March

1-7pm



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The Great Grid Upgrade

Dunham on Trent & district Village Hall, Dunham, Newark NG22 0FJ

Saturday 1 March

11am - 4pm



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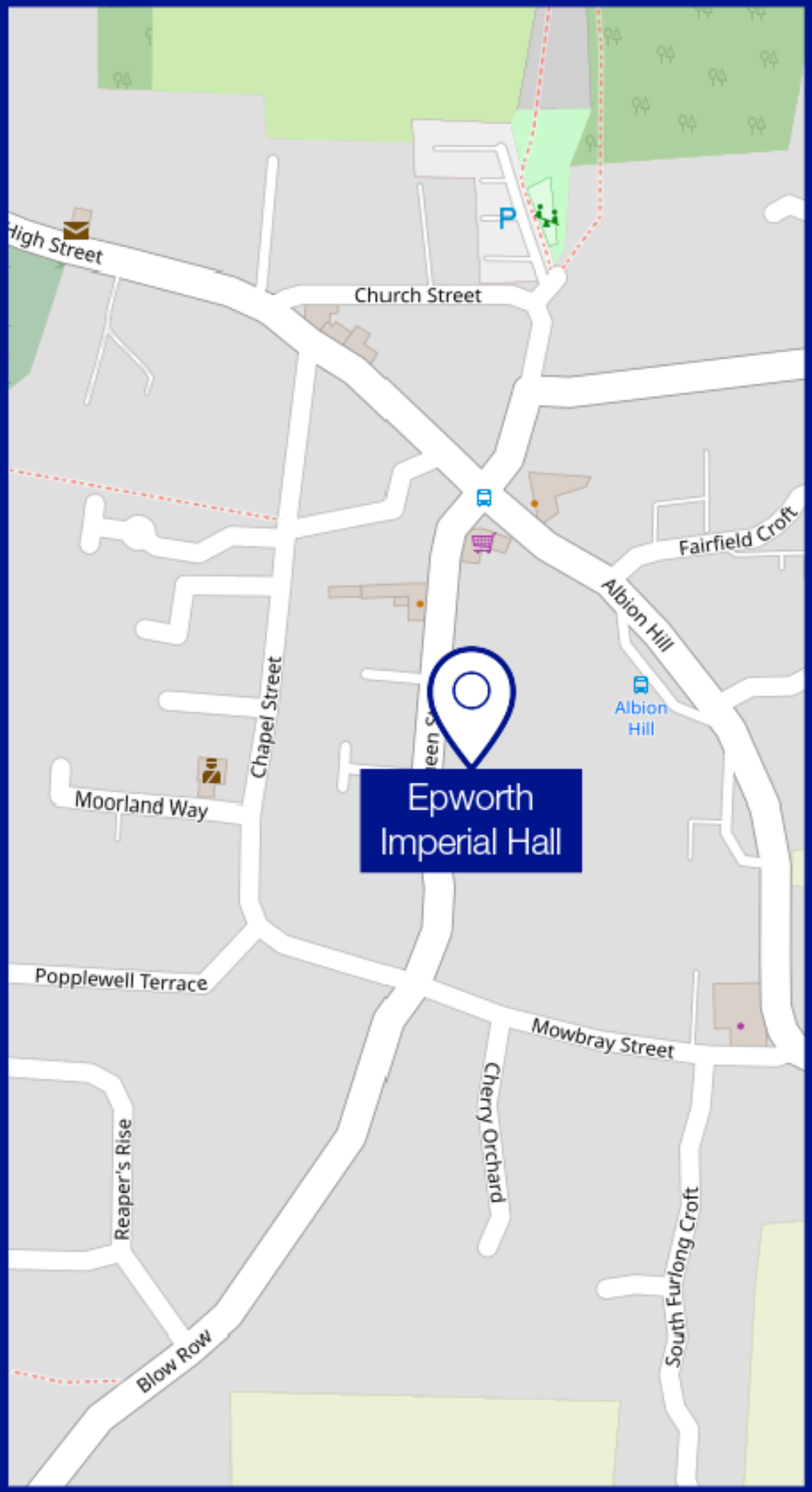
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The Great Grid Upgrade

Epworth Imperial Hall, Epworth, Doncaster DN9 1HJ

Friday 21 March

1-7pm



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The Great Grid Upgrade

Garthorpe Village Hall, Scunthorpe DN17 4AF

Wednesday 19 March

1-7pm



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The Great Grid Upgrade

Gilberdyke Memorial Hall, Gilberdyke, Brough HU15 2UB

Saturday 15 March

11am - 4pm



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The Great Grid Upgrade

Gringley on the Hill Community Centre, Gringley on the Hill, Doncaster DN10 4QY

Monday 3 March

1-7pm



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The Great Grid Upgrade

North and South Wheatley Village Hall, South Wheatley, Retford DN22 9DH

Tuesday 4 March

1-7pm



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H.2 Press Release

Press Release

RELEASED UNDER EMBARGO UNTIL 18.02.2025

National Grid invites communities to take part in consultation on proposals for electricity network reinforcement between North Humber and High Marnham

- **The proposals, which are part of The Great Grid Upgrade, include approximately 90 km of new overhead line, between new substations at Birkhill Wood (East Riding of Yorkshire) and High Marnham (Nottinghamshire).**
- **The latest round of consultation follows over 700 feedback responses from two earlier rounds of public consultation – one in 2023 and another in 2024 - which have helped to shape the latest proposals.**
- **Network reinforcement is needed by 2030 to help carry renewable and low-carbon power to homes and businesses.**

National Grid is inviting communities to comment on its latest proposals for North Humber to High Marnham, a planned new overhead electricity transmission line that would run for approximately 90 km between two new substations at Birkhill Wood and High Marnham. The eight-week public consultation begins on Tuesday 18 February and runs until Tuesday 15 April 2025.

The proposals for North Humber to High Marnham will reinforce the electricity transmission network and help provide much-needed additional capacity between the North of England and the Midlands. As part of The Great Grid Upgrade, the project will help the country meet future energy demands.

National Grid previously consulted communities on its early proposals for the project at two non-statutory consultations in 2023 and 2024. Since then, it has carefully reviewed the feedback received alongside the outcome of technical and environmental studies. This work has fed into the development of detailed plans, including a preferred route alignment. National Grid is now seeking feedback on these detailed plans ahead of submitting an application for development consent to the Planning Inspectorate next year.

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[redacted], **Project Director for North Humber to High Marnham, commented:**

“As demand for electricity is set to double, we need to increase the capacity of the network between the North of England and the Midlands. This will support the Government’s decarbonisation targets, so that people living and working in these areas and beyond can benefit from the new renewable sources of energy planned to connect.

“We’re looking forward to sharing our detailed plans for North Humber to High Marnham with communities over the next eight weeks. We encourage anyone interested to take part in our consultation and share their views on the plans.

“National Grid’s detailed proposals will be available on the project website from midday on Tuesday 18 February. Additionally, National Grid is holding a series of in-person public information events and online webinars where those interested can learn more about the project and speak to members of the team.”

View the consultation materials

All consultation documents prepared for the statutory consultation will be available on the project website, nationalgrid.com/nh-hm, from midday on Tuesday 18 February. Printed copies of key consultation materials and visuals will also be available for reference at the below locations between Tuesday 18 February and Tuesday 15 April.

Beverley Library, Champney Treasure House, Champney Road, Beverely, HU17 8HE	Misterton Library, High Street, Misterton, DN10 4BU
South Cave Library, 97 Church Street, South Cave, HU15 2EP	Retford Library, Churchgate, Retford, DN22 6PE
Goole Library, Carlisle Street, Goole, DN14 5DS	Bassetlaw District Council (Retford Office), 179 The Square, Retford, DN22 6DB*
Cottingham Library and Customer Service Centre, Market Green, Cottingham, HU16 5QG	Epworth Library, Live Well Isle of Axholme, Burnham Road, Epworth, DN9 1BZ
Crowle Library, The Market Hall, Crowle, DN17 4LA	Gainsborough Library, Cobden Street, Gainsborough, DN21 2NG
All Saints Parish Church Misterton, High Street, Misterton, DN10 4AL	Nottinghamshire Mobile Libraries (North Route 11)
Haxey Library, The Memorial Hall, Haxey, DN9 2HH	

**Bassetlaw District Council’s Retford Office is operating from a temporary location until late-February 2025. For more information, visit the Council’s website.*

For up-to-date opening hours, please check with the relevant venue.

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Attend a public information event

National Grid is holding a series of drop-in public information events at venues close to the preferred route alignment. At each event, attendees can view the proposals, speak to members of the project team and read printed copies of all consultation materials. Events are being held as follows:

Date	Time	Venue
Saturday 1 March 2025	11am-4pm	Dunham on Trent Village Hall, Low Street, Dunham, NG22 0FJ
Monday 3 March 2025	1-7pm	Gringley on the Hill Community Centre, W Wells Lane, Gringley on the Hill, DN10 4QY
Tuesday 4 March 2025	1-7pm	North and South Wheatley Village Hall, Sturton Road, South Wheatley, DN22 9DL
Monday 10 March 2025	1-7pm	Crowle Community Hall, Woodland Avenue, Crowle, DN17 4LL
Friday 14 March 2025	1-7pm	All Saints Community Centre, Church Hill, South Cave, HU15 2EU
Saturday 15 March 2025	11am-4pm	Gilberdyke Memorial Hall, 11 Clementhorpe Road, Gilberdyke, HU15 2UB
Wednesday 19 March 2025	1-7pm	Garthorpe Village Hall, Shore Road, Garthorpe, DN17 4AD
Friday 21 March 2025	1-7pm	Epworth Imperial Hall, Chapel Street, Epworth, DN9 1HJ
Wednesday 26 March 2025	1-7pm	Cottingham Civic Hall, Market Green, Cottingham, HU16 5QF

Attend a webinar

National Grid is holding six online webinar sessions where attendees can learn more about the proposals. Details of how to sign up for a webinar are available on the project website and are set out in the following table:

Date	Time	Topic
Tuesday 25 February 2025	6:30-7:30pm	General – Overview of the proposals
Thursday 6 March 2025	6:30-7:30pm	Route sections 1, 2 and 3
Tuesday 11 March 2025	6:30-7:30pm	Route sections 4, 5, 6 and 7
Thursday 13 March 2025	6:30-7:30pm	Route sections 8 and 9
Tuesday 18 March 2025	6:30-7:30pm	Route sections 10 and 11
Thursday 27 March 2025	2-3pm	General – Overview of the proposals

Providing feedback

To learn more about the consultation and how to get involved, members of the public can:

- **visit the project website:** nationalgrid.com/nh-hm
- **email:** contact@nh-hm.nationalgrid.com
- **write to:** Freepost NH TO HM
- **call:** 0808 189 1346.

The deadline for feedback is 11:59 pm on Tuesday 15 April 2025. Feedback can be submitted online, by email and by post using the details listed above.

ENDS

Notes to editor

Contact for media information only:

[redacted]

About National Grid in the UK

National Grid sits at the heart of Britain's energy system, connecting millions of people and businesses to the energy they use every day. National Grid is working to build a cleaner, fairer and more affordable energy system that serves everyone, powering the future of our homes, transport and industry. National Grid Electricity Transmission, owns, builds and maintains the electricity transmission network in England and Wales. It is National Grid Electricity Transmission that is developing the plans for Norwich to Tilbury.

National Grid has recently launched the largest overhaul of the grid in generations. The Great Grid Upgrade is part of National Grid's continued programme of investment into the UK energy transition, which will see £16bn invested from 2021-2026 to support the UK's net zero goals. National Grid is one of the largest green investors in the FTSE.

About North Humber to High Marnham

North Humber to High Marnham is a proposal to build a new 400kV overhead electricity transmission line with an overall length of approximately 90km between two proposed new substations, Birkhill Wood 400kV substation and High Marnham 400kV substation.

The project is needed due to growing offshore wind generation, an anticipated tripling of wind generation connected across the Scottish networks by 2030 and the Government's increased ambition to connect 50GW of offshore wind by 2030. This new renewable energy generation will increase power flows, which the existing electricity transmission network will not be able to accommodate without significant upgrades.

H.3 Project Updates



The Great Grid Upgrade

North Humber to High Marnham

Community update newsletter

This newsletter provides an update on National Grid's proposals for new electricity infrastructure from North Humber to High Marnham.

In June 2023, we introduced our plans to build 90 kilometres (km) of new overhead electricity transmission line between a new substation at Creyke Beck, north of Hull, and High Marnham in Nottinghamshire. Following the feedback we received during our Stage 1 consultation and before deciding which potential route to take forward to develop more detailed proposals, we also held a localised consultation between 9 July and 6 August 2024 to gain feedback on a potential alternative corridor (the 'eastern corridor') between South Wheatley and High Marnham.

A corridor is a proposed area that shows where the transmission system (for example, overhead electricity line and pylons) could be routed.

Our localised consultation

We would like to thank everyone who attended our localised consultation events and provided feedback on the eastern corridor. We held three in-person consultation events in Dunham on Trent, Sturton Le Steeple and Rampton, which attracted more than 230 visitors in total from the local community. We also held two online webinars during the consultation period, which were well-attended and featured a summary of our proposals for the eastern corridor, followed by a question and answer session. You can find out more about our localised consultation and the proposed eastern corridor on our website: **nationalgrid.com/nh-hm/localised-consultation**.

We are now carefully reviewing all feedback received.

Survey access

As we continue to refine our proposals, we are undertaking a range of environmental and technical surveys to enhance our understanding of the local environment and identify any potential impacts the proposals could have on the surrounding area.

In August, we undertook 373 surveys, which included wetland bird, otter and water vole surveys and a variety of other ecological and engineering assessments.

These surveys will help to inform the development of the proposals and we would like to thank all landowners and occupiers for their cooperation in providing access to their land to allow the surveys to be completed.

Our dedicated Land Team will be contacting landowners and occupiers affected by our proposals in advance of any upcoming survey works. If you have a specific enquiry regarding your land, you can contact the North Humber to High Marnham Land Team at Dalcour Maclaren by calling **0333 188 3511**, writing to **Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU**, or by emailing **NH-HM@dalcourmaclaren.com**.





Community benefits and volunteering

Earlier this year, the North Humber to High Marnham team spent the day volunteering with Nottinghamshire Wildlife Trust at Idle Valley Nature Reserve.

Idle Valley is one of the largest sites for nature conservation in the East Midlands at 375 hectares and is home to a diverse range of wildlife and recognised as one of the richest birding sites in the region.

The team helped with a number of conservation tasks including willow clearance and coppicing. The team were pleased to be able to contribute to the reserve and enjoyed their conservation work.



Community benefits

Communities play a vital role in the transition to cleaner sources of energy and achieving net zero. We want to ensure that the communities hosting energy infrastructure benefit from doing so. National Grid has a Community Grant Programme aimed at community organisations and charities in areas affected by our work. We want to leave a lasting positive legacy across host communities and regions. We will work with communities to understand their priorities and endeavour to deliver initiatives that support them. You can find out more about our community grant programme at **nationalgrid.com/responsibility/community/community-grant-programme**.





Update on our substations

North Humber to High Marnham would need to connect to two new substations - one at Creyke Beck, Cottingham (known as Birkhill Wood substation) and one at High Marnham, Nottinghamshire (part of a project called Brinsworth to High Marnham).

Substations are an essential component in the energy network that connect sources of generation, such as wind farms. They connect overhead and underground circuits, convert electricity into different voltages and are critical in maintaining an efficient energy network.

A watt is a measure of power and there are 1 billion watts in 1 GW. 1 GWh is the equivalent of powering one million UK homes for one hour.

A kV is a measurement of electrical voltage. The measurement stands for kilovolts or one thousand volts. Put simply, the higher the kV capacity of an overhead line, the more power it can transport.

A consultation on the proposals for the Birkhill Wood substation took place simultaneously with the North Humber to High Marnham Stage 1 consultation in July 2023. You can read about Birkhill Wood substation at **nationalgrid.com/creyke-beck**

A consultation on the proposals for a new substation at High Marnham, Nottinghamshire, took place in April and May 2024. You can read more about Brinsworth to High Marnham here: **nationalgrid.com/b-hm**

We are applying for planning permission under the Town and Country Planning Act for the two new 400 kV substations to the relevant local planning authorities, East Riding of Yorkshire Council and Bassetlaw District Council.

We are applying for planning permission from the local planning authorities for the substations because they are also needed to provide a connection point for third party developments to connect into the transmission network in the Cottingham and High Marnham areas.

A planning application will be submitted to East Riding of Yorkshire Council for the new Birkhill Wood substation in winter 2024. A planning application will be submitted to Bassetlaw District Council for the new High Marnham substation in 2025. Members of the public should submit comments on the applications directly to the relevant council once the applications have been submitted.

Whilst the new substations did not form part of our proposals for North Humber to High Marnham during our Stage 1 consultation, we have made the decision to include both substations within the Stage 2 (statutory) consultation for the North Humber to High Marnham project as well. The new proposed substations will play an important role in building a more secure and resilient future energy system.

The Great Grid Upgrade

North Humber to High Marnham is part of The Great Grid Upgrade, the largest overhaul of the electricity grid in generations. Our infrastructure projects across England and Wales are helping to connect more clean, affordable energy to your homes and businesses.

The Great Grid Upgrade comprises 17 major infrastructure projects that will both scale up the grid and update our existing networks. It will enable us to carry more clean, secure energy from where it's generated – like out in the North Sea by wind turbines – to where you need it, boosting energy security and helping the nation become more self-sufficient.

As the UK moves away from fossil fuels and increases clean energy generation, we'll all be using more electricity than ever before. This means we need to build new infrastructure, as well as upgrading the existing grid, to make sure this clean, green energy can be brought from where it's generated to where it's needed by homes and businesses.

More information on The Great Grid Upgrade can be found here: **nationalgrid.com/the-great-grid-upgrade**



Looking ahead to our Stage 2 consultation

We are currently busy processing and analysing all feedback received during the localised consultation.

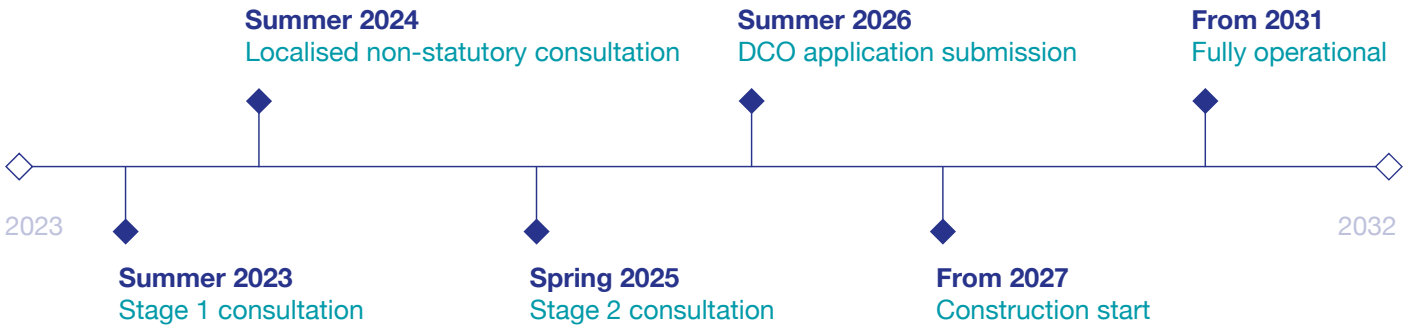
We are also in the early stages of preparing for our next of consultation in spring 2025, and carrying out a range of further environmental and technical surveys.

All consultation feedback received to date, alongside the findings from our surveys, will inform the updated proposals for the project.

We will share our updated proposals during our Stage 2 consultation, currently planned for spring 2025.

We are intending to include a single route for the proposed corridor between South Wheatley and High Marnham in the consultation. Following Stage 2 consultation, we will finalise our proposals for submission of a Development Consent Order (DCO) application. Our DCO application will include a Consultation Report setting out how we have had regard to the feedback received during all stages of consultation.

Indicative timeline below shows some of the key dates for the project.



Contact us

contact@nh-hm.nationalgrid.com
0800 051 4430
Freepost NH TO HM
No stamp or further address details are required

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The Great Grid Upgrade

North Humber to High Marnham

Community update

September 2025



Thank you to everyone who took the time to participate in our consultation on North Humber to High Marnham, a proposed new high voltage overhead electricity transmission line.

Between 18 February and 15 April 2025, we asked for your feedback on our proposals as part of our statutory consultation. We were pleased to receive 472 responses and would like to thank everyone who attended our in-person events and online webinars. We are currently reviewing all feedback as we seek to further refine our plans.

In this newsletter, you can read about some of the emerging key themes from consultation feedback and find out more about how we are considering your comments. You can also learn about upcoming survey works and the project's next steps.

About the project

North Humber to High Marnham is a proposed new 400 kilovolt (kV) overhead electricity transmission line. It would run for approximately 90 km between two proposed new substations: one at Creyke Beck in East Riding of Yorkshire and one at High Marnham in Nottinghamshire.

The project is part of The Great Grid Upgrade, the largest overhaul of the electricity grid in generations. Alongside other National Grid projects in England and Wales, the project will enable us to carry more clean, secure energy from where it's generated, to where it's needed, boosting energy security and helping the nation become more self-sufficient.

To find out more about The Great Grid Upgrade, visit **nationalgrid.com/tggu**.

11,680
newsletters sent to addresses within 1 km of our proposals

582
people attended our 9 consultation events

47
people attended our 10 online webinars

472
feedback responses received

8,565
visits to our project website

+1 million
views of our social media advertising

The consultation has now closed, but copies of all the documents published as part of previous consultations remain in the Document library on our website. If you have any questions about the proposals, you can contact the project team using the details in this newsletter.

What you told us

We are still in the process of reviewing consultation feedback, however some of the emerging key themes include:

Overhead lines: Suggestions of alternative routes that the new overhead line could take, along with questions about whether existing overhead lines can be upgraded or if the new line could be routed underground instead

Construction: Comments about the proposed location of temporary construction compounds and access routes, along with concerns about potential impact on communities during the construction phase

Ecology: Concerns about the potential loss of habitats and associated impact on wildlife, including birds and protected species

Landscape and visual: Concerns about the visual impact of the proposed new overhead line, particularly in areas where it is routed further away from existing overhead lines

Community benefit: Suggestions of areas where funding could be provided to deliver community benefit, including parks, play areas and public rights of way.



How we review your feedback

Our team is carefully considering all suggestions for changes to the design of the project as we review consultation feedback. Some of the key factors we consider when doing this include:

1

The feasibility of the suggested change – are there engineering, environmental or socio-economic constraints (such as geography, ground conditions, existing development and ecological designations) that impact the viability of the suggested change?

2

Planning policy and other guidance – does the suggested change comply with planning policy and other guidance? Examples of policy and guidance that we consider when developing proposals include the Government's National Policy Statements and the Holford Rules, which are guidelines on how to route new overhead lines.

3

National Grid's statutory duties – is the suggested change compliant with our legal duties to develop proposals in a manner that is economic and efficient? As new electricity infrastructure is paid for through all of our electricity bills, we need to minimise the cost to consumers.

Once all relevant factors have been considered, we will decide whether to incorporate the suggested change into our proposals. Where consultation feedback includes a request to make a change to our proposals that has already been considered at an earlier stage of consultation, we will review our previous work to confirm that the conclusions we reached remain accurate.

More information on how your feedback has informed the development of our proposals will be included in the Consultation report, which will form part of our application for development consent. As part of this report, we will summarise the requests we received to change our proposals, including whether the changes were implemented. If we could not make certain changes, we will explain why.

Project benefits



North Humber to High Marnham will prepare the grid for the increasing level of electricity demand across the East Midlands.



Boosting energy security by helping reduce our dependence on imported gas



Helping to lower energy bills by connecting the Grid to more affordable forms of electricity

Delivering benefits locally

We believe communities should be rewarded for hosting new transmission infrastructure essential to boosting home grown, cleaner and more affordable power for the country.

Earlier this year, the Government published a clear framework to enable us to work with communities and deliver meaningful, long-term, social and economic benefits through strategic investment.

We are committed to working with our regulator (Ofgem), industry partners, local communities and their representatives to ensure these benefits are delivered fairly and effectively, driving lasting, positive change for the people and places integral to our developing electricity network. The funding suggested by the new framework (which would only become available once construction has started) includes:

£200,000 per km of new overhead line

£530,000 per new substation

Separate to this guidance, the Government has also announced plans for an electricity bill discount scheme for nearby households, which could include bill discounts of up to £2,500 over 10 years for those living within 500 metres of our proposals. We will continue to work with Government as further details of this scheme emerge.

We will share more information, including how groups can apply for funding, after we have submitted our application for development consent.



Volunteering in the community

For its most recent day of volunteer work, the North Humber to High Marnham team spent some time with North Lincolnshire Council at Ashby Community Hub.

Located in Scunthorpe, the Hub provides residents with easy access to information, advice and support. It offers local people the opportunity to develop employability skills, reduces social isolation and provides a range of activities for both children and adults which support and improve their health and wellbeing.

The team was pleased to be able to contribute to such a valuable local resource by helping in the Hub's community garden with a number of gardening and painting tasks, including planting and building raised beds.

For more information about the Hub, search online for 'Ashby Community Hub'. If your organisation or one you know of could benefit from volunteer support, please get in touch via email at **contact@nh-hm.nationalgrid.com**.





Surveys update

Over the past few years, you may have seen members of our team out on-site along the route of the project as they carry out a range of environmental surveys. These surveys are an important part of the process. As we develop our plans, surveys will continue between now and the submission of our application for development consent.

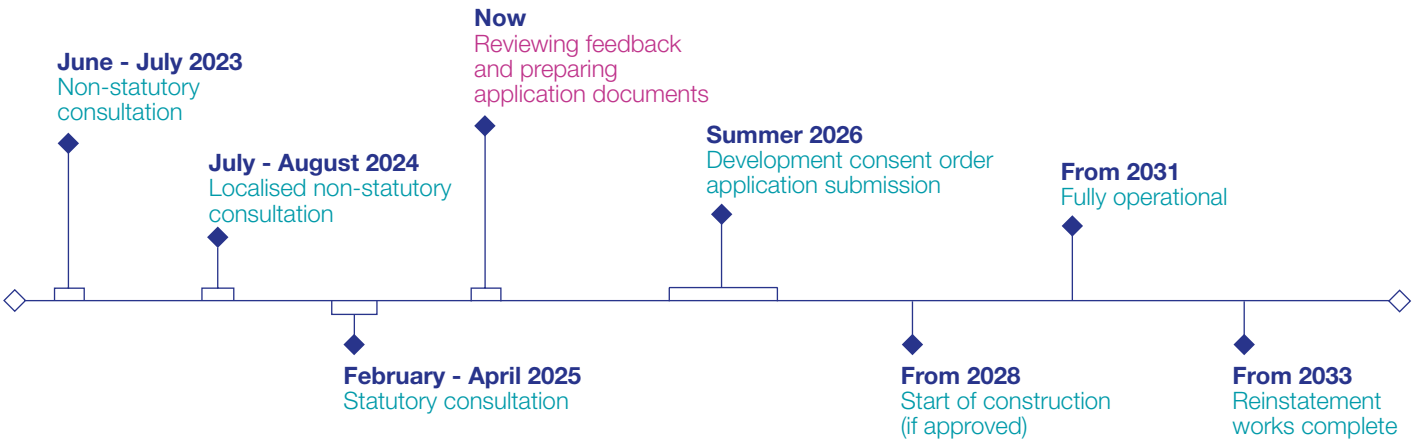
In autumn 2025, we will be carrying out archaeological surveys. These surveys will include excavating trenches for investigation and will be carried out by specialist contractors. By investigating the route at this early stage, we will ensure that any archaeological remains are found and recorded.

Any archaeological remains found will tell us about the people who lived in the parts of East Yorkshire, North Lincolnshire and Nottinghamshire crossed by the scheme from the Stone Ages, Bronze and Iron Ages, Romans, Anglo-Saxons, medieval and post-medieval periods, when many of today's farms were established.

While some surveys will take place on public rights of way, there will be instances where we need to access private land in order to carry out our work. We will always seek to agree this with the landowner/occupier before the work takes place, and the members of our team carrying out survey works will always carry identification.

If you are a landowner or occupier and have questions about surveys, you can speak to our Lands team at Dalcour Maclaren. They can be contacted by email at **NH-HM@dalcourmaclaren.com**, by phone on **0333 188 3511**, or by writing to **Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU**.

Indicative project timeline



Contact us

Email us – Send an email to **contact@nh-hm.nationalgrid.com**

Call us – You can contact the team on **0808 189 1346** (Mon – Fri, 9am-5:30pm)

Send us a letter – Write to us at **Freepost NH TO HM**

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The Great Grid Upgrade

North Humber to High Marnham

Community update

January 2026

North Humber to High Marnham is a proposed new 90-kilometre high-voltage overhead line which would carry more power to homes and businesses.

As part of The Great Grid Upgrade, we are reinforcing the electricity network in East Yorkshire, North Lincolnshire and Nottinghamshire. Our plans involve building a new overhead line between a substation just outside of Hull and a substation at High Marnham, north of Newark. By doing this, we will help boost the UK's energy security through connecting secure, cleaner and more affordable energy from where it's generated to where it's needed.

Over the last three years, we have held multiple rounds of public consultation on our plans, most recently in early 2025. Thank you to everyone who has taken part in these consultations and given their feedback.

3 rounds



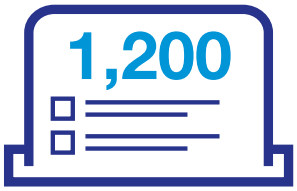
of public consultation

c. 1,850



people attended a consultation event

Around 1,200



consultation responses received

Since our last consultation, we have been busy reviewing your feedback and carrying out further technical and environmental assessments. In this newsletter, you can read about:

- targeted landowner consultation
- current surveys and updates for landowners
- archaeology updates
- Birkhill Wood and High Marnham substations update
- volunteering in the community
- our community benefit fund
- project next steps.

Targeted landowner consultation

Following the close of our last consultation in April 2025, our teams have been reviewing your feedback and the results of further, ongoing survey work. We have also continued to engage with potentially impacted landowners and stakeholders, such as expert transport, archaeology and environmental teams at your local council. You can find out more about some of the other updates in this newsletter by scanning the QR code using your phone or tablet.

This work has resulted in some changes to our draft order limits, which include all of the land we would need to build and operate North Humber to High Marnham. We are therefore undertaking a targeted landowner consultation on the changes.

If you are impacted by these changes, our Lands team will be getting in contact with you with further information.

Current surveys and updates for landowners

Over the past few years, you may have seen members of our team out on-site along the route of the project as they carry out a range of environmental surveys. These surveys are important as they help us to understand the area around our proposals so that we can take into account as we develop our plans. Surveys will continue between now and the submission of our application for development consent.

While some surveys will take place on public rights of way, there will be instances where we need to access private land to carry out our work. We will always seek to agree this with the landowner/occupier where we can before the work takes place, and the members of our team carrying out survey works will always carry identification.

Archaeology surveys

Alongside our engineering and environmental surveys, we are looking into the archaeological heritage of the region. We are committed to understanding the archaeological potential of the landscape, ensuring all heritage assets are identified and protected as much as possible along our proposed route.

In autumn 2025, we started archaeological surveys along the route that will continue through the winter period. This work involves excavating trenches for investigation by specialists. The results of these surveys are being used to inform the environmental assessment and proposed design of the project. Our findings will be detailed in full as part of our development consent order application.

If you are a landowner or occupier and have questions about surveys, you can speak to our Lands team at Dalcour Maclaren. They can be contacted by:

emailing **NH-HM@dalcourmaclaren.com**

calling **0333 188 3511**

or writing to **The Barn, Bignell Park Barns, Chesterton, Bicester, OX26 1TD.**

Project benefits

Up-to 6 million homes could be powered through the energy carried by North Humber to High Marnham

Boosting energy security by helping reduce our dependence on imported gas

Helping to lower energy bills by connecting the Grid to more affordable forms of electricity

Birkhill Wood and High Marnham substations update

At our last consultation in early 2025, the planning applications for both Birkhill Wood and High Marnham substations had not been submitted. We therefore consulted on both substations as part of our proposals for North Humber to High Marnham.

Since then, we have shared all feedback about the substations with each of the substation project teams for consideration as part of their design development, and further progress has been made to ensure the relevant permissions are in place.

We are pleased to say that the planning applications for Birkhill Wood and High Marnham substations have now been submitted to the relevant local planning authorities.

As a result, we have removed the Birkhill Wood and High Marnham substations and associated works from our proposals for North Humber to High Marnham. We will continue to work closely with both substation projects to coordinate our works.



Have your say on community benefits for your area

In 2025, the Government published new guidance that sets out how projects like ours can deliver a lasting positive legacy through community benefit funding.

This guidance could unlock millions of pounds of funding to benefit local communities and the wider area:

£200,000 **new overhead lines could provide £200,000 of funding for every kilometre built**

Any funding would be available after the project is granted development consent and construction work has started. In the meantime, we have developed a community benefits survey to ask for your views on how any future funding could be spent. The community benefit fund on North Humber to High Marnham could be in the region of around £18 million.

We want to understand what is important to you, and where funding could deliver long-lasting benefits, including through community grant schemes and investment in community groups or via regional partnerships.

Some of the areas we think could benefit from community benefit funding include:

Better community spaces: investment in places you use every day, village halls, play parks, leisure areas, community rooms, and faster broadband. Grants to help local clubs and restore heritage sites.

Safer, easier travel: fixing roads, adding pavements, cycle paths, bridleways, and improving rural transport options like buses and community schemes.

Secure, cleaner and more affordable energy: ways to cut bills and go greener. Insulation grants, EV charge points, and community energy tariffs.

Protecting nature: to reduce the impact of new infrastructure. Planting trees and hedgerows, boosting biodiversity, and creating nature areas around affected villages.

Local jobs and skills: to create opportunities for local people, offer apprenticeships, hire local contractors, support STEM in schools, and fund youth skills programmes.

You can share your views by completing our online survey by scanning the QR code with your phone or tablet. You can also request a paper copy of the survey by emailing us at **contact@nh-hm.nationalgrid.com** or by calling us on **0808 189 1346** (Mon – Fri, 9am-5:30pm).

Completed paper surveys can be sent free of charge to **Freepost NH TO HM**.

The survey will close on **23 March 2026**, after which the project team will review the feedback received.





Volunteering in the community

Members of our project team were pleased to be able to roll up their sleeves and help out recently at The Moorlands Youth and Community Centre. Located in Goole, the Centre works with the community by providing support for people, running a local food bank service, and working with youth in the community.

The team was pleased to be able to contribute to such a valuable local resource by helping renovate some of the inside of the building, such as fitting ceiling tiles, renovating an office space, organising their pantry and clearing rooms for the community to use.

For more information about the centre, search online for 'The Moorlands Youth and Community Centre'.

If your organisation or one you know of could benefit from volunteer support from National Grid, please get in touch via email at **contact@nh-hm.nationalgrid.com**



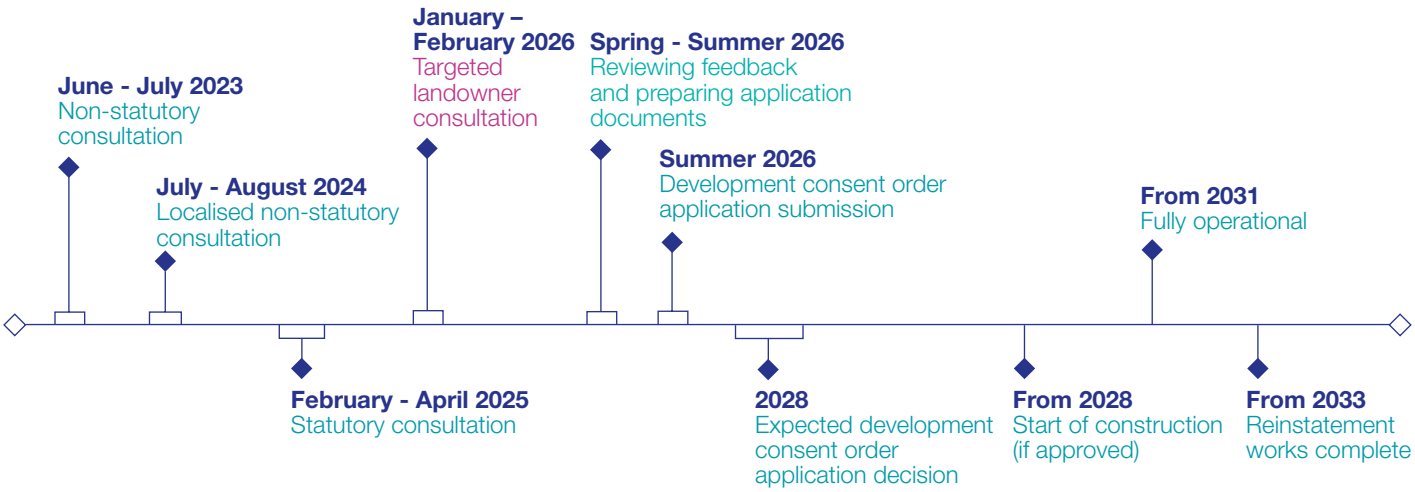
Next steps

We will carefully consider all feedback received through our current targeted landowner consultation alongside the outcome of ongoing technical and environmental assessments. We will then finalise our proposals and prepare our application for development consent. A full account of how we have considered consultation feedback will be provided in the Consultation report, which we will prepare as part of our development consent order application.

We will continue to provide regular updates, including via our project website and update newsletters, as we prepare to submit our application for development consent in Summer 2026.



Indicative project timeline



Contact us

Email us – Send an email to **contact@nh-hm.nationalgrid.com**

Call us – You can contact the team on **0808 189 1346** (Mon – Fri, 9am-5:30pm)

Send us a letter – Write to us at **Freepost NH TO HM**

nationalgrid

H.4 Consultation Pack Cover Letter

Freepost NH TO HM
T: 0808 189 1346
E: contact@nh-hm.nationalgrid.com
W: nationalgrid.com/nh-hm

Dear Sir/Madam,

North Humber to High Marnham – Statutory consultation launch

I am writing to inform you that National Grid Electricity Transmission plc (National Grid) has launched a statutory consultation on the North Humber to High Marnham Project. The consultation will run from the 18 February until 15 April 2025.

About the Project

National Grid proposes to reinforce the electricity transmission network between a new substation at Creyke Beck (known as Birkhill Wood), north of Hull, and a new substation in High Marnham in Nottinghamshire. This would be achieved by the construction and operation of a new 400 kilovolt (kV) electricity transmission line over a distance of approximately 90 kilometers (km).

We are consulting on all aspects of the proposed development for the Project including:

- approximately 90 km of new overhead line between the new Birkhill Wood and High Marnham 400 kV substations
- replacement and realignment of a section of the existing 400 kV 4ZQ overhead line route between Brantingham and east of Broomfleet
- replacement and realignment of a section of the existing 400kV ZDA overhead line route between Ealand and west of Keadby
- a new 400 kV Birkhill Wood substation with a new permanent access. This is proposed to be a Gas Insulated Switchgear (“GIS”) substation
- replacement and realignment of a section of the existing 400 kV 4ZR route to allow for connection into the new Birkhill Wood substation
- a new 400 kV High Marnham substation, with a new permanent access. This is proposed to be an air-insulated switchgear substation
- replacement and realignment of the existing 4ZV and XE 275kV overhead line routes and existing 400kV ZDA and ZDF overhead line routes, to allow for connection into the new High Marnham substation

- other required works, for example, temporary diversions for works on existing overhead line routes, temporary access roads, highway works, temporary works compounds, work sites and ancillary works. The Project will also include utility diversions and drainage works. There would also be land required for mitigation, compensation and enhancement of the environment, including for biodiversity net gain.

Further information

Enclosed within this letter are the following materials, which provide further details of this consultation and our proposals:

- copy of the Community Newsletter February 2025
- consultation feedback questionaire

Please visit our website nationalgrid.com/nh-hm for further details about this consultation and our proposals.

We are also holding a series of public information events and webinars to enable you to find out more about the proposals and ask any questions. Details of the events can be found below and in the Community Newsletter February 2025 enclosed.

Public information events

Date	Time	Venue
Saturday 1 March 2025	11am-4pm	Dunham on Trent Village Hall, Low Street, Dunham, NG22 0FJ
Monday 3 March 2025	1-7pm	Gringley on the Hill Community Centre, W Wells Lane, Gringley on the Hill, DN10 4QY
Tuesday 4 March 2025	1-7pm	North and South Wheatley Village Hall, Sturton Road, South Wheatley, DN22 9DL
Monday 10 March 2025	1-7pm	Crowle Community Hall, Woodland Avenue, Crowle, DN17 4LL
Friday 14 March 2025	1-7pm	All Saints Community Centre, Church Hill, South Cave, HU15 2EU
Saturday 15 March 2025	11am-4pm	Gilberdyke Memorial Hall, 11 Clementhorpe Road, Gilberdyke, HU15 2UB
Wednesday 19 March 2025	1-7pm	Garthorpe Village Hall, Shore Road, Garthorpe, DN17 4AD
Friday 21 March 2025	1-7pm	Epworth Imperial Hall, Chapel Street, Epworth, DN9 1HJ
Wednesday 26 March 2025	1-7pm	Cottingham Civic Hall, Market Green, Cottingham, HU16 5QF

Webinars

Date	Time	Topic
Tuesday 25 February 2025	6:30-7:30pm	General – Overview of the proposals
Thursday 6 March 2025	6:30-7:30pm	Route sections 1, 2 and 3
Tuesday 11 March 2025	6:30-7:30pm	Route sections 4, 5, 6 and 7
Thursday 13 March 2025	6:30-7:30pm	Route sections 8 and 9
Tuesday 18 March 2025	6:30-7:30pm	Route sections 10 and 11
Thursday 27 March 2025	2-3pm	General – Overview of the proposals

Reference copies of some consultation materials including the Statement of Community Consultation and Non Technical Summary of the Preliminary Environmental Information Report, will also be available to view free of charge from 18 February 2025 for the duration of the consultation at local information points which are listed in the enclosed Community Newsletter February 2025.

Digital and paper copies of consultation materials and documents can be provided on request by contacting us by email at contact@nh-hm.nationalgrid.com or by telephone 0808 189 1346. Please note that paper copies of some documents will be subject to a reasonable copying charge (up to a maximum of £500 for the full suite of documents).

Responding to the consultation

We encourage you to respond to this consultation before the closing date of **23:59 on 15 April 2025**. We appreciate you taking the time to share your feedback, as it will help us to shape the final proposals for the Project.

Responses to this consultation can be submitted online at nationalgrid.com/nh-hm. Alternatively, you can return a printed copy of the consultation feedback form or a free text response (email or letter) via email (contact@nh-hm.nationalgrid.com) or post **FREEPOST NH TO HM** (please write in capitals, you do not need a stamp).

Please get in touch with us using the details below if you would like a printed or alternative format copy of the materials.

Telephone: 0808 189 1346

Email: contact@nh-hm.nationalgrid.com

We will review the proposals for the Project in light of the feedback we receive as part of this consultation and will consider if changes are needed to further reduce the effects on communities and the local area, before we make our application for development consent.

We may be required to make copies of consultation feedback available to the Planning Inspectorate and/or the Secretary of State. We will however request that personal details are not placed on the public record. We will hold personal details securely in accordance with the applicable data laws and will be used solely in connection with the consultation process and the development of this Project and, except as noted above, will not be disclosed to any third parties.

If you have any questions about the Project, please do not hesitate to get in touch with us.

Yours faithfully,



Project Director, North Humber to High Marnham

National Grid Electricity Transmission

Email: contact@nh-hm.nationalgrid.com
Freephone information line: **0808 189 1346**
Freepost: **FREEPOST NH TO HM** (please write in capitals, you do not need a stamp)

Enc.
Community Newsletter February 2025
Consultation Feedback Questionnaire

H.5 Non-Prescribed Consultees

Non-Prescribed Consultee List

Consultee		Responded to the Statutory Consultation Y or N
Parish Councils		
Anlaby with Anlaby Common Parish Council		N
Ashby Parkland Parish Council		N
Bishop Burton Parish Council		N
Blyton Parish Council		N
Bottesford Parish Council		N
Carlton-on-Trent Parish Council		Y
Cherry Burton Parish Council		N
Corringham Parish Council		N
East Butterwick Parish Council		N
Eaton Parish Council		N
Gamston with West Drayton and Eaton Parish Council		N
Goole Fields Parish Council		N
Goole Town Council		N
Headon cum Upton, Grove and Stokeham Parish Council		N
Hook Parish Council		N
Kettlethorpe and Laughterton Parish Council		N
Laughton Parish Council		N
Lea and Cottam Parish Council		N
Leconfield Parish Council		N
Lound Parish Council		N
Markham Clinton Parish Council		N
Mattersey Parish Council		N
Messingham Parish Council		N
Molescroft Parish Council		N
North and South Cliffe Parish Council		N
North Ferriby Parish Council		N
Norwell Parish Council		N
Spalford Parish Council		N
Thorney Parish Council		N
Tickton and Routh Parish Council		N
West Halton and Coleby Parish Council		N
Whitton Parish Meeting		N
Wigsley Parish Council		N
Winteringham Parish Council		N
Political		
Bassetlaw	Host MP	N

Consultee		Responded to the Statutory Consultation Y or N
Bassetlaw District Council	Leader/relevant cabinet member	Y
Bassetlaw District Council	Beckingham Ward	N
Bassetlaw District Council	Everton Ward	N
Bassetlaw District Council	Rampton Ward	N
Bassetlaw District Council	Tuxford and Trent Ward	N
Bassetlaw District Council	Tuxford and Trent Ward	N
Bassetlaw District Council	Misterton Ward	N
Beverley and Holderness	Host MP	N
Bridlington and the Wolds	Neighbouring MP	N
Brigg and Immingham	Neighbouring MP	N
Doncaster Central	Neighbouring MP	N
Doncaster East and the Isle of Axholme	Host MP	N
Doncaster North	Neighbouring MP	N
East Riding of Yorkshire Council	Leader/relevant cabinet member	Y
East Riding of Yorkshire Council	Minster and Woodmansey Ward	N
East Riding of Yorkshire Council	Minster and Woodmansey Ward	N
East Riding of Yorkshire Council	Minster and Woodmansey Ward	N
East Riding of Yorkshire Council	Dale Ward	N
East Riding of Yorkshire Council	Dale Ward	N
East Riding of Yorkshire Council	Dale Ward	N
East Riding of Yorkshire Council	Howdenshire Ward	N
East Riding of Yorkshire Council	Howdenshire Ward	N
East Riding of Yorkshire Council	Howdenshire Ward	N

Consultee		Responded to the Statutory Consultation Y or N
East Riding of Yorkshire Council	South Hunsley Ward	N
East Riding of Yorkshire Council	South Hunsley Ward	N
East Riding of Yorkshire Council	Snaith, Airmyn, Rawcliffe and Marshland Ward	N
East Riding of Yorkshire Council	Snaith, Airmyn, Rawcliffe and Marshland Ward	N
East Riding of Yorkshire Council	Wolds Weighton	N
East Riding of Yorkshire Council	Willerby and Kirk Ella	N
East Riding of Yorkshire Council	Goole North	N
East Riding of Yorkshire Council	East Wolds and Coastal	N
East Riding of Yorkshire Council	Willerby and Kirk Ella	N
East Riding of Yorkshire Council	Goole North	N
Gainsborough	Neighbouring	N
Goole and Pocklington	Host MP	N
Grantham and Bourne	Neighbouring MP	N
Kingston Upon Hull North and Cottingham	Neighbouring MP	N
Kingston Upon Hull West & Haltemprice	Neighbouring MP	N
Melton and Syston	Neighbouring MP	N
Newark	Host MP	N
Newark and Sherwood District Council	Leader/relevant cabinet member	Y
Newark and Sherwood District Council	Collingham Ward	N
Newark and Sherwood District Council	Collingham Ward	N
North Lincolnshire Council	Leader/relevant cabinet member	Y
North Lincolnshire Council	Axholme North Ward	N

Consultee		Responded to the Statutory Consultation Y or N
North Lincolnshire Council	Axholme North Ward	N
North Lincolnshire Council	Axholme Central Ward	N
North Lincolnshire Council	Axholme Central Ward	N
North Lincolnshire Council	Axholme South Ward	N
North Lincolnshire Council	Axholme South Ward	N
Nottinghamshire County Council	Leader/relevant cabinet member	Y
Nottinghamshire County Council	Misterton Ward	N
Nottinghamshire County Council	Tuxford Ward	N
Ruschliffe	Neighbouring MP	N
Selby	Neighbouring MP	N
Sleaford and North Hykeham	Neighbouring MP	N
York Outer	Neighbouring MP	N
Community		
Bassetlaw Action Centre		N
Bassetlaw Community and Voluntary Service		N
Bassetlaw Youth Council		N
Beckingham and Saundby History Group		N
Beverley Leisure Group		N
Beverley Ramblers		N
Beverley RUFC		N
Business Lincolnshire		N
CARE		N
Confederation of British Industry		N
Cottingham and District Traders Association		N
Cottingham Local History Society Group		N
Crowle Peatland Railway		N
Cycling UK Lincolnshire		N
D2N2 Local Enterprise Partnership (Nottinghamshire)		N
Darlton Gliding Club		Y
Dot Spiritual Centre		N
Dunham-on-Trent CofE Primary School		N

Consultee	Responded to the Statutory Consultation Y or N
East Riding College	N
East Riding Health and Wellbeing	N
East Riding Leisure: South Cave	N
East Yorkshire CTC	N
East Yorkshire Cycling UK	N
East Yorkshire Long Distance Walkers	N
Eastoft Community Information	N
EDTEC Humber	N
Engineering UTC Northern Lincolnshire	N
Epworth Community Wellbeing Hub	N
Federation of Small Businesses	N
Fledgelings Pre School	N
Gainsborough College	N
Gainsborough Ramblers	N
Guided Rides North Lincs	N
Haxey Walkers	N
Hessle Golf Club	N
Hull and Humber Chamber of Commerce - Northern Lincolnshire	N
Hull College	N
Humber Education Trust	N
Humber Learning Consortium	N
Invest East Riding	N
Invest Gainsborough	N
Invest Humber	N
Invest in North Lincolnshire	N
JUST Lincolnshire	N
Leverton C Of E Academy	N
Lincolnshire Jewish Community	N
Lincolnshire Ramblers	N
Lincolnshire Walking Group	N
Lindsey AgeUK	N
Manor Holiday Park, Retford	N
Microflight Aviation	N
Milfield Golf Complex	N
MySight Notts	N
National Education Union (North Lincs District)	N
North Lincs Council Adult Education and Community Learning	N
North Lincs Riding Club	N

Consultee	Responded to the Statutory Consultation Y or N
North Lindsey College	N
North Leverton Boarding Kennels & Cattery	N
North Leverton Windmill	N
Open Spaces Society	N
Ramblers Lincolnshire	N
Nottingham Area Ramblers	Y
Rampton Primary School	N
Retford & District Wheelers	N
Retford Golf Club	N
Retford Ramblers	N
Retford u3a (University of the Third Age)	N
Rural Action Community Action Nottinghamshire	N
Scunthorpe Ramblers	N
Social Enterprise Yorkshire and Humber	N
Sport England	N
SSAFA Lincolnshire	N
Sturton C Of E School	N
Sundown Adventureland	N
Supporting Older People	
Sustrans	Y
Sustrans (East Midlands)	N
Sustrans (Yorkshire and the Humber)	N
Swanland u3a (University of the Third Age)	N
Swanland Village Organisations	N
The Countryside Charity Nottinghamshire	N
The Ramblers Group	N
University of Hull	N
Visit East Yorkshire	N
Visit North Lincolnshire	N
Walking the Way to Health (East Riding of Yorkshire Council)	N
We live here - Haxey	N
Windmill Walkers (Ramblers)	N
Yorkshire Wolds Way Partnership	Y
Seldom Heard	
Alzheimer's Society - North & North East Lincolnshire	N
Hull and East Riding LGBT Forum	N
Hull Hebrew Congregation	N
Hull Mosque and Islamic Centre	N
Lincoln and Lindsey Blind Society	N

Consultee	Responded to the Statutory Consultation Y or N
Lincolnshire Jewish Community	N
Linconlshire Autistic Society	N
North Lincolnshire Autism Spectrum Education Team (ASET)	N
North Lincolnshire Dementia Action Alliance	N
North Lincolnshire Special Educational Needs and Disability (SEND)	N
Environment	
Campaign to protect rural England (CPRE)	N
Countryside and Land Owners Association (CLA)	N
Lincolnshire Wildlife Trust	Y
National Farmers' Union (NFU)	Y
National Trust	N
Nottinghamshire Wildlife Trust	Y
Royal Society for the Protection of Birds (RSPB)	N
The British Horse Society	Y
The Ramblers Association	N
The Wildlife Trust (TWT)	N
Woodland Trust	N
Yorkshire Wildlife Trust	N
Developers	
Cottam and West Burton Solar	N
Enso Energy (Bumble Bee Solar Farm)	Y
Enso Energy (Bumble Bee Solar Farm/Oaks Lane Solar Farm/Tuxford Road Solar Farm)	Y
Gate Burton Solar	N
Humber Carbon Capture Pipeline	Y
Keadby 3 Carbon Capture Power Station Project	N
One Earth Solar	Y
Scottish Power Renewables (Wood Lane Solar)	N
South Wheatley Solar Farm	N
Steeple Renewables	Y
Tiln Solar Farm	N
Tween Bridge Solar Farm	N
Other	
Royal National Lifeboat Institution	N
South Yorkshire Mayoral Combined Authority	N

H.6 Community Newsletter



The Great Grid Upgrade

North Humber to High Marnham

Community newsletter

February 2025

National Grid is seeking your feedback on our developed proposals for North Humber to High Marnham.

The way we generate electricity in the UK is changing rapidly, and we are transitioning to cheaper, cleaner and more secure forms of energy, like new offshore wind farms. We therefore need to adapt and develop the electricity network to connect new sources of low-carbon energy to homes and businesses.

North Humber to High Marnham is a proposal for a new high voltage overhead electricity transmission line. This would add much-needed capacity, upgrading the electricity transmission network between a new substation to the north of Hull and a new substation at High Marnham in Nottinghamshire.

We are now consulting on our latest proposals, which are part of The Great Grid Upgrade, the largest overhaul of the grid in generations. The Great Grid Upgrade will play a big part in the UK Government's plans to boost homegrown power.

It will help to reduce carbon emissions and make sure our electricity network is fit for the future by carrying more clean, secure energy from where it's generated to where you need it.

After two years of development and listening to public feedback, we would like to hear your views about our latest proposals.

Our consultation will run from 12:00 noon on Tuesday 18 February to 11:59pm on Tuesday 15 April 2025. The consultation is an opportunity to see how our proposals have developed and how previous feedback has been considered as we have evolved our plans. We want to hear your views on our updated proposals.

The deadline for providing feedback is 11:59pm on Tuesday 15 April 2025.

View our statutory consultation proposals

Scan the QR code to visit our website, where you can view all of our consultation materials (including our interactive map) and submit your feedback.

What are we asking for your views on?

We'd like to hear your thoughts about our detailed proposals, including the preferred route for the new overhead line, possible pylon positions and how we are proposing to avoid, minimise and address any potentially significant environmental effects.

A full summary of our proposals is as follows:

- approximately 90 km of new 400 kilvolt (kV) overhead line between the new Birkhill Wood and High Marnham substations
- replacement and realignment of a section of the existing overhead line between Brantingham and east of Broomfleet
- replacement and realignment of a section of the existing overhead line between Ealand and west of Keadby
- a new 400 kV gas insulated switchgear substation with a new permanent access at Birkhill Wood
- replacement and realignment of a section of existing overhead line, to allow for connection into the new Birkhill Wood substation
- a new air insulated switchgear substation with a new permanent access at High Marnham
- replacement and realignment of sections of existing overhead lines, to allow for connection into the new High Marnham substation
- other required works, including temporary overhead line diversions and access roads, highway works, temporary construction areas, utility diversions, drainage works and other ancillary activities
- environmental mitigation, compensation and enhancement works, including for biodiversity net gain (BNG).

BNG explained: We will be required to deliver a minimum of 10 per cent biodiversity net gain (known as BNG). This means our work needs to result in more, or better quality, natural environment than before development. This opens up real opportunities to use development to enhance our wild spaces and provide new habitats.

Substation types: There are primarily two different types of substation – one uses air to insulate the electrical components (air insulated switchgear) and the other uses gas to insulate the electrical components (gas insulated switchgear).

The decision on which type of substation we construct depends on several factors including availability of space, potential environmental impacts, cost, safety and maintenance requirements.

New substations

North Humber to High Marnham would connect to two new substations – one at Creyke Beck near Cottingham in the East Riding of Yorkshire (known as Birkhill Wood substation), and one at High Marnham in Nottinghamshire (part of a project called Brinsworth to High Marnham).

We are submitting planning applications for each of these new 400 kV substations to the relevant local planning authorities under the Town and Country Planning Act. We will also seek permission to build both substations as part of our development consent order application for North Humber to High Marnham.

You can provide comments on the proposed substations as part of this consultation, or you can provide comments directly to the relevant local planning authorities when the planning applications for the substations are submitted.

Temporary construction requirements

Building a new overhead line would involve some temporary construction activities. These would include preparing land and creating temporary haul roads to access work areas, as well as providing temporary areas to store materials and vehicles, and for staff welfare facilities. These temporary construction areas would be removed and the land returned to its original condition once the construction works are completed. You can find animations with more information on how we undertake construction on our website at **nationalgrid.com/nh-hm**.

What is a statutory consultation?

The amount of overhead line in our current proposals means North Humber to High Marnham is classed as a nationally significant infrastructure project under the Planning Act 2008. This means we need to apply for a type of planning consent called a development consent order (DCO) to build and operate it.

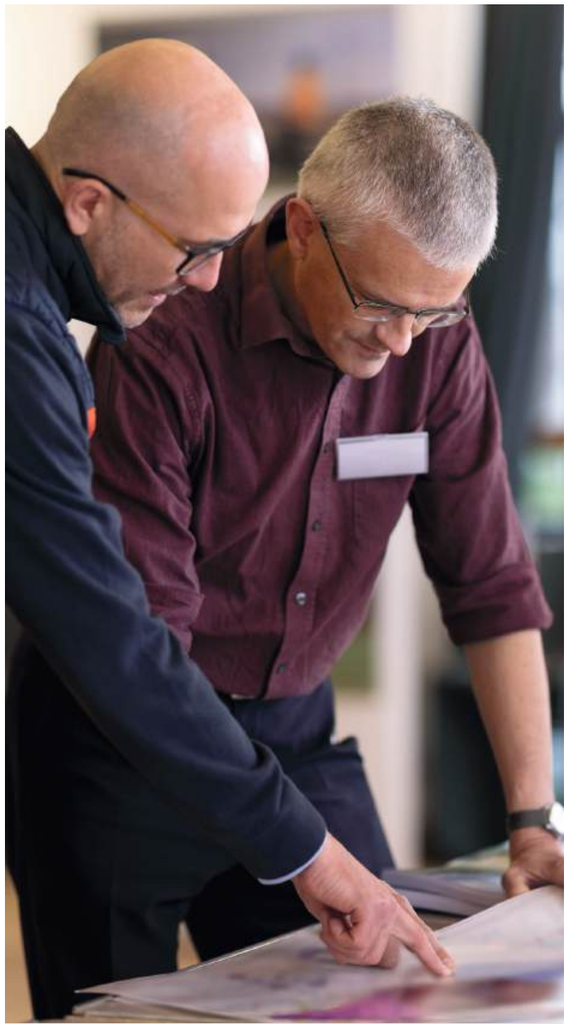
This is our next stage of public consultation on proposals for North Humber to High Marnham. It is a statutory consultation, which means that it is being carried out in line with the formal requirements of the Planning Act 2008.

Consultation is an important part of the DCO process as it enables everyone to comment on the proposals. All feedback we receive as part of this latest consultation will be carefully considered alongside the results of technical assessments and environmental surveys, as we finalise our proposals before submitting our DCO application.

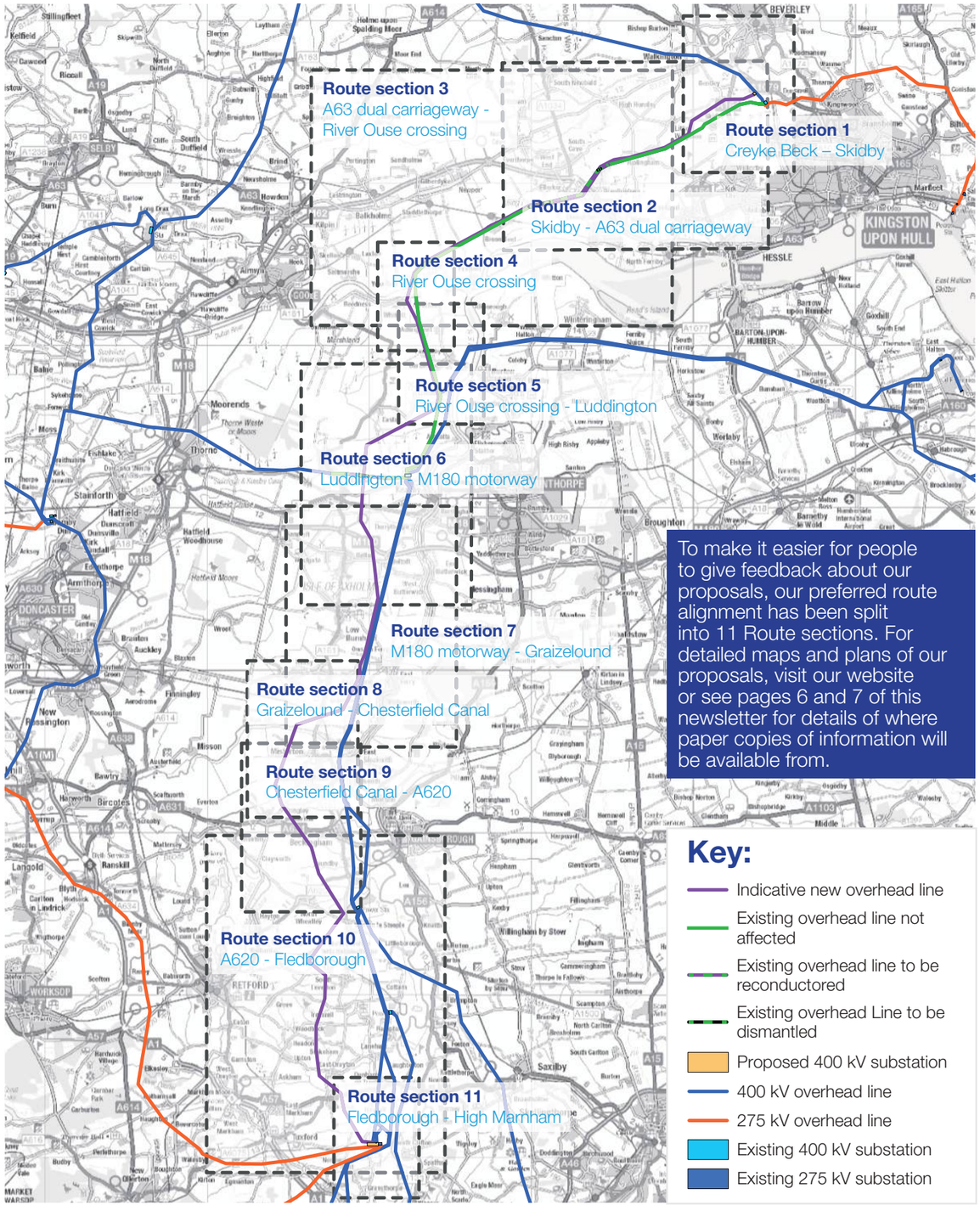
If our DCO application is accepted, the Planning Inspectorate will appoint what is called an 'Examining Authority' to independently review and examine our application, including encouraging the submission of views from communities and other interested parties.

The Examining Authority will then make a recommendation to the Secretary of State for Energy Security and Net Zero, who will decide whether to grant consent for a DCO.

To find out more about the DCO process, please see the Planning Inspectorate's website at **infrastructure.planninginspectorate.gov.uk**.



Overview of our proposals



To make it easier for people to give feedback about our proposals, our preferred route alignment has been split into 11 Route sections. For detailed maps and plans of our proposals, visit our website or see pages 6 and 7 of this newsletter for details of where paper copies of information will be available from.

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Consultation materials

We encourage you to provide feedback after reading our Project background document, which outlines our proposals and early environmental studies. More detailed information, including preliminary environmental information, is available on our website.

Our statutory consultation will run for eight weeks from 12:00 noon on Tuesday 18 February to 11:59pm on Tuesday 15 April 2025. It is open to anyone with an interest in our proposals. You can take part in the consultation by:

Attending a public information event – come to one of our events to view our proposals, speak to members of the project team and read all of our consultation materials, including our Project background document, which outlines our plans.

Attending a webinar – we are holding six online webinar sessions where you can learn more about our proposals. Two of the webinars will provide a general overview of our proposals, whilst the remaining four webinars will focus on different geographic sections of the project. Details on how to sign up for a webinar are available on our website, by contacting us on 0808 189 1346 or by email at **contact@nh-hm.nationalgrid.com**.

Visiting our website – **nationalgrid.com/nh-hm**, where you will find all of our consultation materials, including maps, technical documents, the Preliminary environmental information report and our Feedback questionnaire.

How to submit your feedback

Complete an online feedback questionnaire – the easiest way to submit your feedback is by completing our online feedback questionnaire, which is available on our website at **nationalgrid.com/nh-hm**, or by scanning the QR code.

Email us your comments – you can submit your feedback via email to **contact@nh-hm.nationalgrid.com**.

Write to us – you can download and print a paper copy of the Feedback questionnaire from our website. Paper copies are also available at public information events and at local information points. Completed paper feedback questionnaires or letters can then be sent to us at **Freepost NH TO HM** (no stamp required).

Please get in touch if you would like a paper copy of the documents.

Public information events

Date and time	Venue
Saturday 1 March 2025 11am–4pm	Dunham on Trent Village Hall, Low Street, Dunham, NG22 0FJ
Monday 3 March 2025 1–7pm	Gringley on the Hill Community Centre, W Wells Lane, Gringley on the Hill, DN10 4QY
Tuesday 4 March 2025 1–7pm	North and South Wheatley Village Hall, Sturton Road, South Wheatley, DN22 9DL
Monday 10 March 2025 1–7pm	Crowle Community Hall, Woodland Avenue, Crowle, DN17 4LL
Friday 14 March 2025 1–7pm	All Saints Community Centre, Church Hill, South Cave, HU15 2EU
Saturday 15 March 2025 11am–4pm	Gilberdyke Memorial Hall, 11 Clementhorpe Road, Gilberdyke, HU15 2UB
Wednesday 19 March 1–7pm	Garthorpe Village Hall, Shore Road, Garthorpe, DN17 4AD
Friday 21 March 1–7pm	Epworth Imperial Hall, Chapel Street, Epworth, DN9 1HJ
Wednesday 26 March 1–7pm	Cottingham Civic Hall, Market Green, Cottingham, HU16 5QF

Webinars

Date and time	Topic
Tuesday 25 February 2025 6:30–7:30pm	General overview of our proposals
Thursday 6 March 2025 6:30–7:30pm	Route sections 1, 2 and 3: Creyke Beck – River Ouse crossing
Tuesday 11 March 2025 6:30–7:30pm	Route sections 4, 5, 6 and 7: River Ouse crossing – Graizelound
Thursday 13 March 2025 6:30–7:30pm	Route sections 8 and 9: Graizelound – A620 east of North Wheatley
Tuesday 18 March 2025 6:30pm–7:30pm	Route sections 10 and 11: A620 east of North Wheatley – High Marnham
Thursday 27 March 2025 2–3pm	General overview of our proposals

Local information points

Information about North Humber to High Marnham is available to view and collect from the following locations from Tuesday 18 February 2025. For opening hours, please contact the venue directly or contact our Community relations team using the details on the back of this newsletter.

Location
Beverley Library, Champney Treasure House, Champney Road, Beverley, HU17 8HE
South Cave Library, 97 Church Street, South Cave, HU15 2EP
Goole Library, Carlisle Street, Goole, DN14 5DS
Cottingham Library and Customer Service Centre, Market Green, Cottingham, HU16 5QG
Crowle Library, The Market Hall, Crowle, DN17 4LA
Epworth Library, Live Well Isle of Axholme, Burnham Road, Epworth, DN9 1BZ
Haxey Library, The Memorial Hall, Haxey, DN9 2HH
Misterton Library, High Street, Misterton, DN10 4BU
Retford Library, Churchgate, Retford, DN22 6PE
Bassetlaw District Council (Retford Office), 17B The Square, Retford, DN22 6DB*
Gainsborough Library, Cobden Street, Gainsborough, DN21 2NG
All Saints Parish Church Misterton, High Street, Misterton, DN10 4AL
Nottinghamshire Mobile Libraries (North Route 11). To find out when the mobile library is in your area, email **ask@inspireculture.co.uk** or call **01623 677 200**

* Bassetlaw District Council's Retford Office is operating from a temporary location until late-February 2025. For more information, visit the Council's website.



Why can't the project be routed underground?

When we need to add capacity to the electricity network, we look at all the options, including overhead lines and underground cables. Underground cables have different environmental impacts and cost much more than overhead lines. Government expects us to keep costs on electricity bills as low as possible.

For those reasons, the national policy statement for new electricity infrastructure (EN-5) explains that government expect overhead lines to be appropriate in many cases, but not in sensitive locations like National Landscapes.

Have you considered environmental impacts?

Yes. As part of the consultation, we are seeking views on the potential environmental effects of the proposals and whether consultees have suggestions for reducing these effects (for example, through mitigation measures). This information is detailed in the Preliminary environmental information report (PEIR). The PEIR explains how we propose to reduce these effects and how we propose to maximise the benefits of the Project. A non-technical summary of the PEIR is also available to read.

Information for landowners

If you feel your land may be affected by the proposals, please contact the North Humber to High Marnham Lands team at Dalcour Maclaren by emailing us at **NH-HM@dalcourmaclaren.com** or by calling us on **0333 188 3511**.

Alternatively, you can write to the North Humber to High Marnham Lands team at **Dalcour Maclaren, Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU**.



Contact us

If you would like to contact the Community relations team, please get in touch via:
contact@nh-hm.nationalgrid.com
0808 189 1346
Freepost NH TO HM
nationalgrid.com/nh-hm

nationalgrid

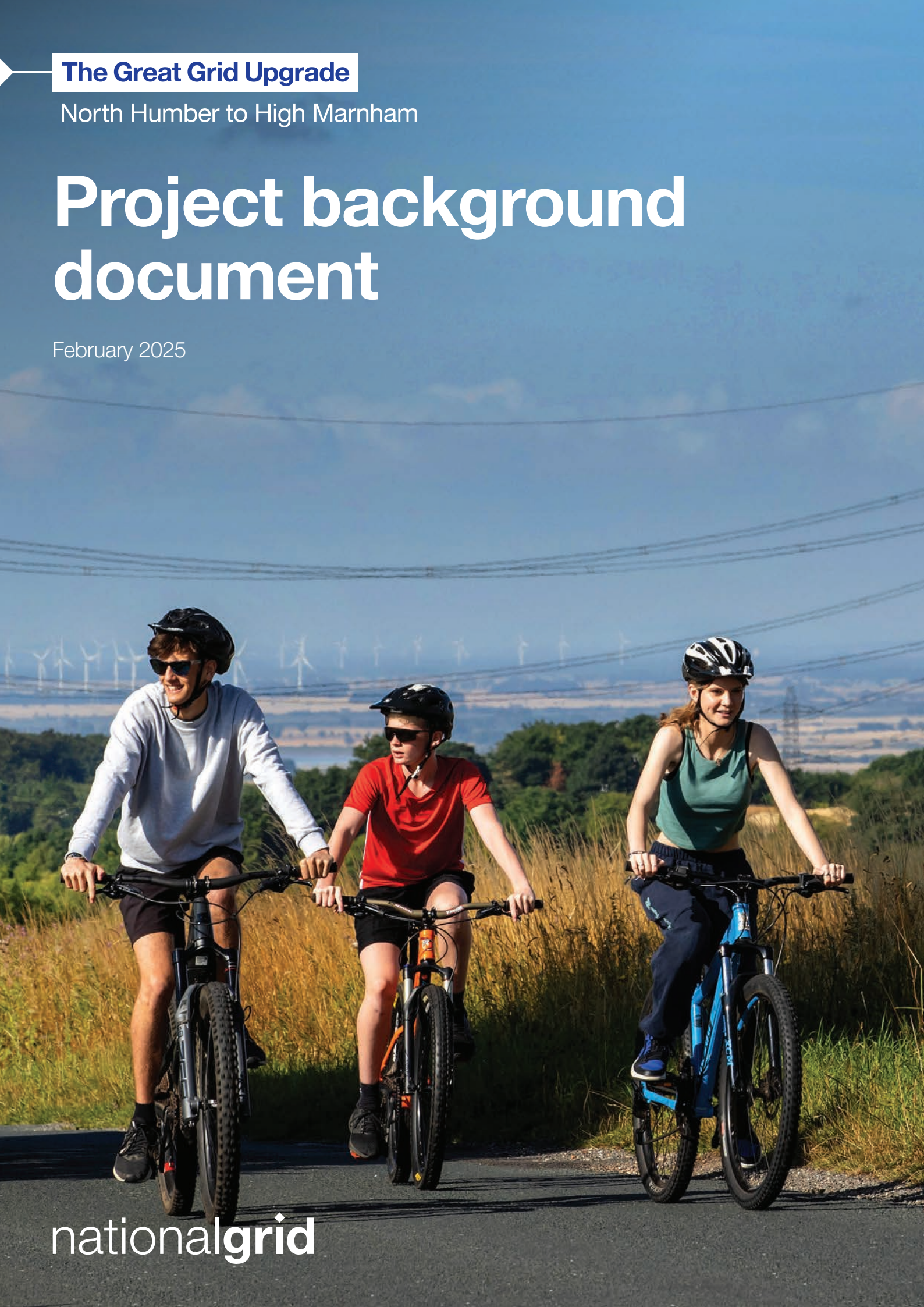
H.7 Project Background Document

The Great Grid Upgrade

North Humber to High Marnham

Project background document

February 2025



nationalgrid

About National Grid and The Great Grid Upgrade

National Grid delivers electricity safely, reliably, and efficiently to the customers we serve – all while working towards building a cleaner, fairer energy system for the future.

The parts of National Grid involved in ensuring we all have the essential electricity supplies we need are shown in the diagram below – each with its own role and responsibilities across England and Wales.

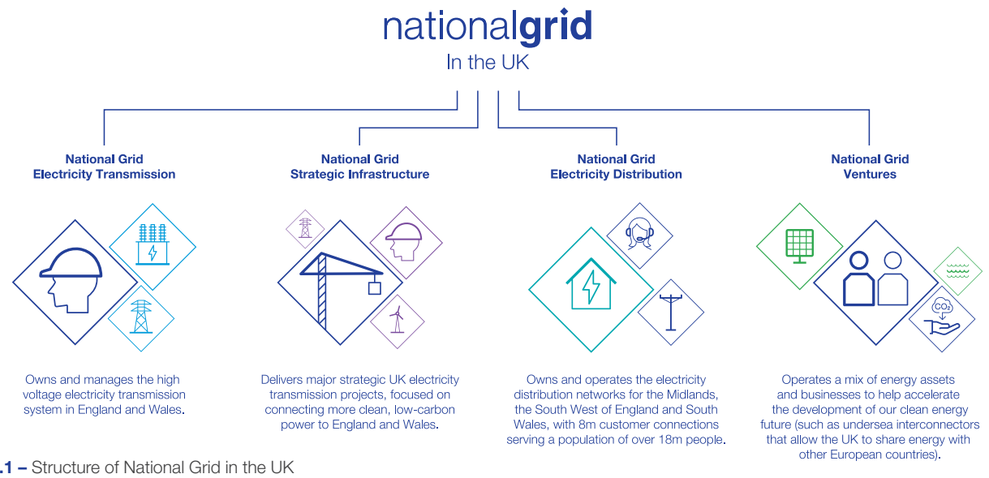


Figure 1.1 – Structure of National Grid in the UK

National Grid Electricity Transmission sits at the heart of Britain's energy system, connecting millions of people and businesses to the energy they use every day. Every time a phone is plugged in, or a switch is turned on, we've played a part, connecting you to the electricity you need.

National Grid Strategic Infrastructure is developing the proposals for North Humber to High Marnham, which are set out in this document. It must, under the Electricity Act 1989, do so in an efficient, coordinated, and economical way which also considers people, places and the environment. We have published 10 commitments to how we go about doing this in our Stakeholder, community and amenity policy[1].

National Grid Electricity Transmission's role

We don't generate electricity ourselves. We own and maintain the high voltage network in England and Wales. We transport large amounts of electricity at high voltage from where it is generated to where it is needed. The local network operators then deliver it at lower voltages to individual homes and businesses.

[1] National Grid's commitments when undertaking works in the UK: Our stakeholder, community and amenity policy (National Grid, December 2016) – Available at **https://www.nationalgrid.com/electricity-transmission/document/81026/download**

To find out more about how we develop our proposals, please see our video[2] explaining how we work.

Introducing The Great Grid Upgrade

The existing transmission system - the infrastructure including pylons, overhead lines and underground cables which transports electricity around the county - was largely built in the 1960s. It was not designed to transport electricity from where it is increasingly being generated today - offshore and from solar.

Electricity demand in Britain is forecast to at least double by 2050, increasing the amount of energy we need to transport to homes and businesses. Alongside this there has been huge growth in offshore wind, interconnectors and nuclear power which means that more electricity will be generated in the years ahead than the current network is able to transport securely and reliably.

New power lines are needed to meet the Government target of connecting 50 GW of offshore wind by 2030, enough to power every home in the country with clean, green and more affordable energy.

The Great Grid Upgrade is the largest overhaul of the grid in generations and will future proof the Grid for years to come, facilitating the transition to a clean and affordable energy future.

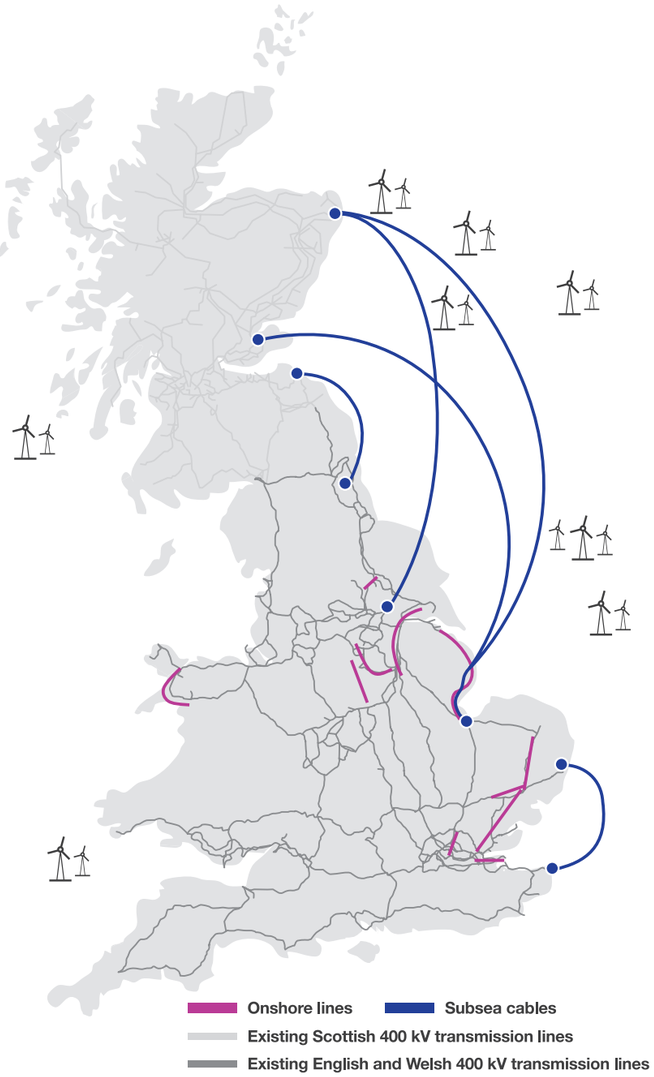


Figure 1.2 - Map of existing high voltage electricity transmission network and projects proposed as part of The Great Grid Upgrade

The Great Grid Upgrade will:

- Contribute to lower energy bills over the long term and make the UK's energy more self-sufficient.
- Support hundreds of thousands of jobs and contribute an average of £18.4 bn to GDP.

[2] How we work (National Grid) - Available at **players.brightcove.net/867903724001/default_default/index.html?videoId=6329276694112**

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Foreword

Thank you for your interest in our proposals for upgrading the electricity grid in your local area. These proposals are key to delivering The Great Grid Upgrade.

Our proposals for North Humber to High Marnham will contribute to the UK's commitment to connect 50 GW of offshore wind by 2030 and 70 GW of solar power by 2035. It will help to meet government targets to reduce carbon emissions, increase our country's energy security and carry cleaner and more affordable energy to where it is needed.

North Humber to High Marnham is needed because it will reinforce the electricity transmission network and help to provide the increased capacity needed between the North of England and the Midlands.

Following our non-statutory consultation in Summer 2023 and localised non-statutory consultation in Summer 2024, we have developed our proposals and we are pleased to share these with you now and seek your feedback.

We encourage you to share your views on where the new infrastructure could be built and what you would like to see us consider as we finalise our proposals and prepare to submit our application for development consent to the Planning Inspectorate.

All documents published as part of this consultation, including this Project background document, can be found at **nationalgrid.com/nh-hm** and are available on request by contacting the project team at **contact@nh-hm.nationalgrid.com** or **0808 189 1346**.

We encourage everyone to take time to review our proposals, get in touch with any questions, and respond by **Tuesday 15 April 2025**.



Monica Corso Griffiths
Project Director, North Humber to High Marnham

Consulting on our proposals

North Humber to High Marnham meets the criteria to be classified as a nationally significant infrastructure project.

Other examples of nationally significant infrastructure projects include new airports, major roads, renewable energy projects and power stations. These types of projects require a special type of planning permission, known as a development consent order (DCO).

Consultation is an important part of the DCO process, as it enables everyone to comment on our proposals. Feedback from you – along with the outcome of technical assessments and environmental surveys – helps us to develop our proposals before we submit our DCO application to the Planning Inspectorate.

The Planning Inspectorate will review and examine our application and encourage the submission of views from statutory stakeholders such as local authorities, as well as communities and other interested parties. They will then make a recommendation to the Secretary of State for Energy Security and Net Zero, who will decide whether to grant consent.

This is our next stage of public consultation about our more detailed proposals for North Humber to High Marnham. You can read more about our previous non-statutory public consultations on the following page.

Our approach to consulting with communities

All infrastructure projects have impacts and benefits locally and nationally. We will consult and work with local residents, their representatives, and statutory stakeholders – such as local authorities - through all stages of the planning and construction process. Our aim is to minimise the impacts and maximise the benefits for local communities.

We want The Great Grid Upgrade to deliver social and economic benefits as well as providing a vital environmental service to Britain by decarbonising the electricity network.



Public consultation stages

Between 1 June 2023 and 27 July 2023 we held an initial non-statutory consultation to introduce our proposals for North Humber to High Marnham. This was an opportunity for you to learn about the project, ask questions and provide feedback on our early proposals.

Between 9 July and 6 August 2024 we held a localised non-statutory consultation about a potential alternative corridor between South Wheatley and High Marnham. This is referred to as the Eastern corridor.

More information on the feedback we received to our previous consultations and our responses to feedback received can be found in our Non-statutory consultation feedback report, which is available in the Document library on our website at **nationalgrid.com/nh-hm**.

We have considered feedback from the local community, alongside our ongoing engagement with stakeholders, technical assessments and environmental surveys to further develop our proposals.

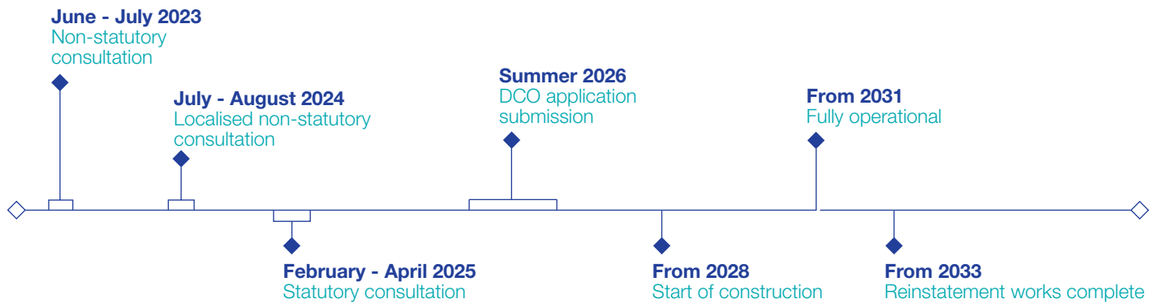
This statutory consultation is a further opportunity to share your views.







Project timeline



You can learn more about the feedback we received as part of our previous consultations and how we considered it as we developed our proposals in our Non-statutory consultation feedback report. This can be found in the Document library on our project website at nationalgrid.com/nh-hm.

Statement of community consultation

The Statement of community consultation (SoCC) is a document which sets out how we plan to engage with the community, including how and where there will be an opportunity for members of the public to get involved, ask questions, and submit feedback. We have worked with each of the local authorities in the project area to develop and agree the SoCC and you can view a copy in the Document library on our website.

What has changed since our non-statutory consultation?

Since the close of our non-statutory (1 June 2023 to 27 July 2023) and localised non-statutory (9 July 2024 to 6 August 2024) consultations, we have reviewed and carefully considered the feedback we received alongside the outcome of technical and environmental studies as we have developed our more detailed proposals.

This has been used to inform the development of our preferred route alignment and proposed pylon positions, and has resulted in several changes to our proposals.

What are we seeking feedback on now?

During this statutory consultation, we are seeking views on our updated proposals, including where the new infrastructure could be built and what you would like us to consider as we further develop the Project.

Our proposals for North Humber to High Marnham include a new 400 kV overhead electricity transmission line of an overall length of approximately 90 km between two proposed new substations, Birkhill Wood 400 kV substation and High Marnham 400 kV substation. The key elements of our proposals for consultation include:

- approximately 90 km of new overhead line between the new Birkhill Wood and High Marnham 400 kV substations
- replacement and realignment of a section of the existing 400 kV 4ZQ overhead line route between Brantingham and east of Broomfleet
- replacement and realignment of a section of the existing 400 kV ZDA overhead line route between Ealand and west of Keadby
- a new 400 kV Birkhill Wood substation with a new permanent access. This is proposed to be a gas insulated switchgear (GIS) substation
- replacement and realignment of a section of the existing 400 kV 4ZR route to allow for connection into the proposed new Birkhill Wood substation
- a new 400 kV High Marnham substation, with a new permanent access. This is proposed to be an air insulated switchgear (AIS) substation
- replacement and realignment of the existing 4ZV and XE 275 kV overhead line routes and existing 400 kV ZDA and ZDF overhead line routes, to allow for connection into the proposed new High Marnham substation
- other required works, such as temporary diversions for works on existing overhead line routes, temporary access roads, highway works, temporary works compounds, work sites and ancillary works.

The Project would also include utility diversions and drainage works. There would also be land required for mitigation, compensation and enhancement of the environment, including for biodiversity net gain (BNG). We will be required to ensure a minimum 10 per cent BNG, which means our work needs to result in more, or better quality, natural environment than before development. This opens up real opportunities to use development to enhance our wild spaces and provide new habitats.

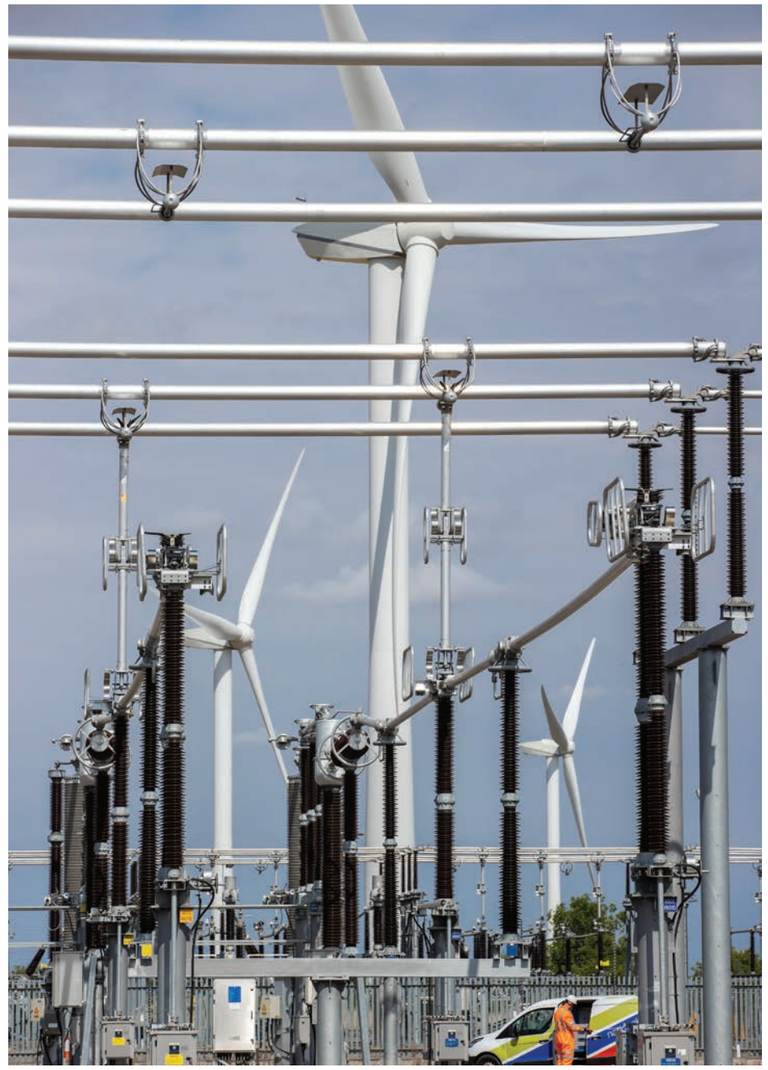
To help us and others when we refer to and work on infrastructure, we allocate this infrastructure identification codes. For example, the overhead line between Brantingham and east of Broomfleet is called “4ZQ”.

New substations

North Humber to High Marnham would need to connect to two new substations – one near the existing Creyke Beck 400 kV substation in Cottingham (known as Birkhill Wood substation) in the East Riding of Yorkshire, and a new substation at High Marnham in Nottinghamshire (part of a project called ‘Brinsworth to High Marnham’). Planning permission for each of these new 400 kV substations is needed from the relevant local planning authorities under the Town and Country Planning Act.

While the new substations did not form part of our proposals for North Humber to High Marnham during our non-statutory consultation, we have made the decision to include both substations within our statutory consultation. This approach allows National Grid to demonstrate that the Project can be delivered and that it can connect to the national electricity transmission network.

See the ‘Our proposals’ chapter for more information.



Our proposals are outlined in this Project background document, along with information about where to find out more and how to get involved in the consultation.

As part of this consultation, we have published:

- **Project background document:** provides an overview of the project, summarising our technical documents and providing information on how to take part in the consultation
- **Preliminary environmental information report (PEIR):** sets out the preliminary findings from the environmental studies and assessments we are carrying out to develop our proposals
- **Non-technical summary of the PEIR:** a summary of the PEIR in non-technical language
- **Design development report:** details the design work we have undertaken since the 2023 consultation
- **Community newsletter:** provides a high-level overview of our proposals and details of how to get involved in the consultation
- **Non-statutory consultation feedback report:** summarises the feedback we received during the non-statutory consultation in 2023 and localised non-statutory consultation in 2024 and how it has been considered
- **Strategic options report update:** an overview of our appraisal approach and strategic options considered
- **Interactive map:** online map of the preferred route alignment. A postcode or address can be entered to view pylon locations
- **Maps of our proposals:** overview map and individual section maps showing the preferred alignment, sectioned by geographical area, with further maps to highlight features considered as part of the routeing and siting process
- **Feedback questionnaire:** to gather consultation comments and feedback – can be completed online or in paper copy
- **Statement of community consultation (SoCC):** sets out how we are carrying out this consultation. The SoCC was developed in consultation with relevant local authorities.

All of these documents are available to download from our project website at **nationalgrid.com/nh-hm**.

Printed copies of most of our consultation documents are available free of charge on request. These can be requested by emailing **contact@nh-hm.nationalgrid.com** or by calling **0808 189 1346**. Some detailed technical documents may be subject to a printing charge. Paper copies of key consultation materials (the Project background document, Community newsletter and Feedback form) are available to take away at a number of locations close to the preferred route alignment during the consultation period. Reference copies of the Statement of community consultation and Non-technical summary of the PEIR are also available to view at these locations.

How to find out more

All consultation information is available on our website at nationalgrid.com/nh-hm.

Throughout the consultation we are holding a series of face-to-face events (see Table one). At these consultation events we will present information about our proposals and members of the project team will be available to answer your questions about our proposals. You will also be able to view copies of our maps and technical documents.

At our online webinar sessions, we will present our proposals and hold an open question and answer session. We are holding sessions on our proposals as a whole alongside more focussed, location-themed sessions (see Table two), so you can attend the webinar most relevant to you. Details on how to sign-up for a webinar are available on the project website at **nationalgrid.com/nh-hm** or by contacting us on **0808 189 1346** or **contact@nh-hm.nationalgrid.com**.

To learn more about our consultation and how to get involved, you can:

- read this Project background document
- visit our website at **nationalgrid.com/nh-hm**
- come to a consultation event (see Table one)
- join an online webinar session (see Table two)
- visit a local information point (see Table three)
- call us on our freephone **0808 189 1346**. Lines are open Monday to Friday 9am-5:30pm, with an answerphone taking messages outside of these hours
- email us at **contact@nh-hm.nationalgrid.com**.

To respond to the North Humber to High Marnham consultation:

- complete the online feedback questionnaire on our website at **nationalgrid.com/nh-hm**
- email your comments to **contact@nh-hm.nationalgrid.com**
- post your written responses (no stamp required) to: **Freepost NH TO HM**
- complete a printed feedback questionnaire and return it using the freepost address above.

Your comments must be received by **11:59pm** on **Tuesday 15 April 2025**.

Scan the QR code to be directed to our website. Here you can view all consultation materials, our interactive map and the online feedback questionnaire.

Table one: Public information events

We are holding a series of public information events at venues close to the preferred route alignment. These are drop-in events and will provide opportunities to view the proposals and speak to members of our team. The events will include display boards, large scale maps and technical documents. Printed copies of this Project background document and the feedback questionnaire will be available to take away.

Date and time	Venue
Saturday 1 March 2025 11am-4pm	Dunham on Trent Village Hall, Low Street, Dunham, NG22 0FJ
Monday 3 March 2025 1-7pm	Gringley on the Hill Community Centre, W Wells Lane, Gringley on the Hill, DN10 4QY
Tuesday 4 March 2025 1-7pm	North and South Wheatley Village Hall, Sturton Road, South Wheatley, DN22 9DL
Monday 10 March 2025 1-7pm	Crowle Community Hall, Woodland Avenue, Crowle, DN17 4LL
Friday 14 March 2025 1-7pm	All Saints Community Centre, Church Hill, South Cave, HU15 2EU
Saturday 15 March 2025 11am-4pm	Gilberdyke Memorial Hall, 11 Clementhorpe Road, Gilberdyke, HU15 2UB
Wednesday 19 March 2025 1-7pm	Garthorpe Village Hall, Shore Road, Garthorpe, DN17 4AD
Friday 21 March 2025 1-7pm	Epworth Imperial Hall, Chapel Street, Epworth, DN9 1HJ
Wednesday 26 March 2025 1-7pm	Cottingham Civic Hall, Market Green, Cottingham, HU16 5QF

Table two: Webinars

We are holding a series of one-hour online webinar sessions to present details of our proposals followed by a question-and-answer session. These include general overview webinars and location-themed webinars to allow you to attend the session which is of the most interest.

A recording of a general overview presentation will be available to view on our website after the first webinar session.

You can register to attend the webinars on our website. Alternatively, you can contact our community relations team on **0808 189 1346** or by email at **contact@nh-hm.nationalgrid.com**.

Date and time	Topic
Tuesday 25 February 2025 6:30-7:30pm	General – Overview of the proposals
Thursday 6 March 2025 6:30-7:30pm	Route sections 1, 2 and 3
Tuesday 11 March 2025 6:30-7:30pm	Route sections 4, 5, 6 and 7
Thursday 13 March 2025 6:30-7:30pm	Route sections 8 and 9
Tuesday 18 March 2025 6:30-7:30pm	Route sections 10 and 11
Thursday 27 March 2025 2-3pm	General – Overview of the proposals

Table three: Local information points

Paper copies of key consultation materials (the Project background document, Consultation newsletter and Feedback questionnaire) are available to take away at a number of locations close to the preferred alignment during the consultation period. Reference copies of the Statement of community consultation and Non-technical summary of the PEIR are also available to view at these locations.

Please check with the relevant venue for the most up-to-date opening times.

Location	Address	Opening hours	
Beverley library	Champney Treasure House, Champney Road, Beverley, HU17 8HE	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	9:30am-4:30pm 9:30am-6:30pm 9:30am-4:30pm Closed 9:30am-4:30pm 9am-4pm Closed
South Cave Library	97 Church Street, South Cave, HU15 2EP	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	Closed 2-5pm Closed 2-7pm Closed 10am-12pm Closed
Goole Library	Carlisle Street, Goole, DN14 5DS	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	9:30am-7pm 9:30am-5pm 9:30am-7pm 9:30am-5pm 9:30am-5pm 9am-4pm Closed
Cottingham Library and Customer Service Centre	Market Green, Cottingham, HU16 5QG	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	9:30am-4:30pm 9:30am-4:30pm Closed 9:30am-6:30pm 9:30am-1pm 9:30am-12:30pm Closed
Crowle Library	The Market Hall, Crowle, DN17 4LA	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	9am-12:30pm and 1-5pm 9am-12:30pm and 1-5pm 9am-12:30pm and 1-5pm 9am-12:30pm and 1-5pm 9am-12:30pm and 1-5pm 9am-12pm Closed
Nottinghamshire Mobile Library (North Route 11)	To find out when the mobile library is in your area, email **ask@inspireculture.co.uk** or call **01623 677 200**		

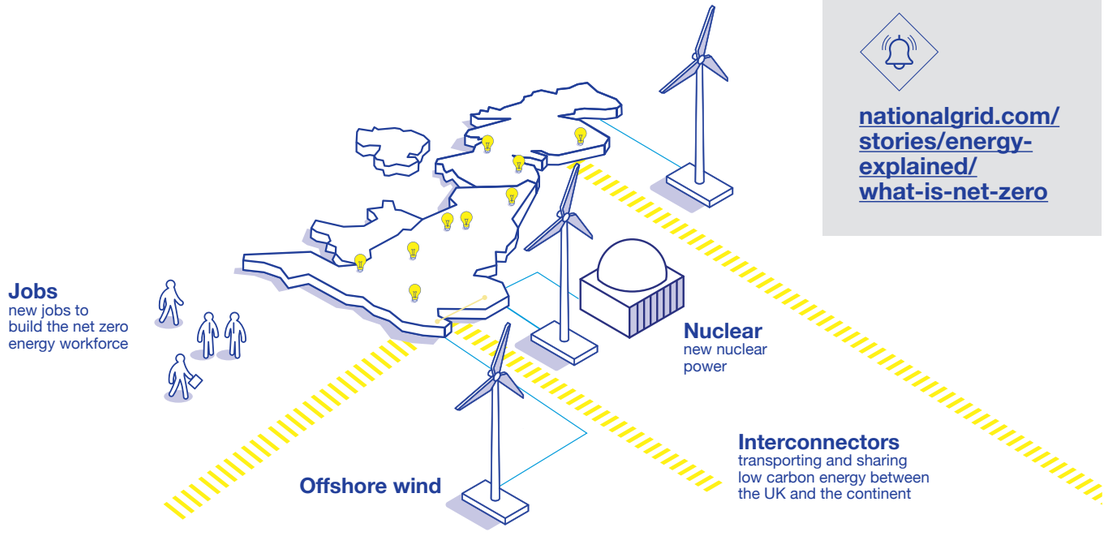
Location	Address	Opening hours	
Haxey Library	The Memorial Hall, Haxey, DN9 2HH	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	2-5pm 9am-12pm Closed 2-4pm 9am-12pm 10am-1pm Closed
Misterton Library	High Street, Misterton, DN10 4BU	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	Closed 2pm-5pm 2-5pm 2-5pm Closed 9:30am-12:30pm Closed
Retford Library	Churchgate, Retford, DN22 6PE	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	9am-6pm 9am-6pm 9am-6pm 9am-6pm 9am-6pm 9am-3:30pm Closed
Bassetlaw District Council – Retford Office	17B The Square, Retford, DN22 6DB*	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	9am-5pm 9am-5pm 9am-5pm 9am-5pm 9am-5pm Closed Closed
Epworth Library	Live Well Isle of Axholme, Burnham Road, Epworth, DN9 1BZ	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	7am-9pm 7am-9pm 7am-9pm 7am-9pm 7am-9pm 9am-4pm 12-6pm
Gainsborough Library	Cobden Street, Gainsborough, DN21 2NG	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	9am-5pm 9am-5pm 9am-5pm 9am-6pm 9am-5pm 9am-1pm Closed
All Saints Parish Church Misterton	High Street, Misterton, DN10 4AL	Monday Tuesday Wednesday Thursday Friday Saturday Sunday	10am-4pm 10am-4pm 10am-4pm 10am-4pm 10am-4pm 10am-4pm 10am-4pm

* Bassetlaw District Council's Retford Office is operating from a temporary location until late-February 2025. For more information, visit the Council's website.

The need

The UK has set a world-leading target for tackling climate change: to achieve net zero carbon emissions by 2050.

This means that we will remove the same amount of greenhouse gases from the atmosphere as we produce. The Great Grid Upgrade will connect clean energy that's produced right here in the UK, increasing the self-sufficiency of our energy supplies.



nationalgrid.com/stories/energy-explained/what-is-net-zero

While the way electricity is generated is changing, demand is also set to significantly increase as the way we power our homes, businesses, industry and transport changes. As the nation moves towards net zero, the fossil fuels that once powered our economy will continue to be replaced with sources of low-carbon electricity. Meeting government targets will be a major step towards decarbonising our economy and providing customers with clean, secure, and affordable energy.

To deliver more clean power to homes and businesses and increase our energy security, we must also upgrade the transmission system – 'the grid'. Delivering the infrastructure needed to achieve this ambition will boost local economies, provide jobs and opportunities to learn new skills and bring vital investment to towns right across the country. North Humber to High Marnham will reinforce the electricity transmission network and help to provide the increased capacity between the North of England and the Midlands.

The electricity transmission network today in the region

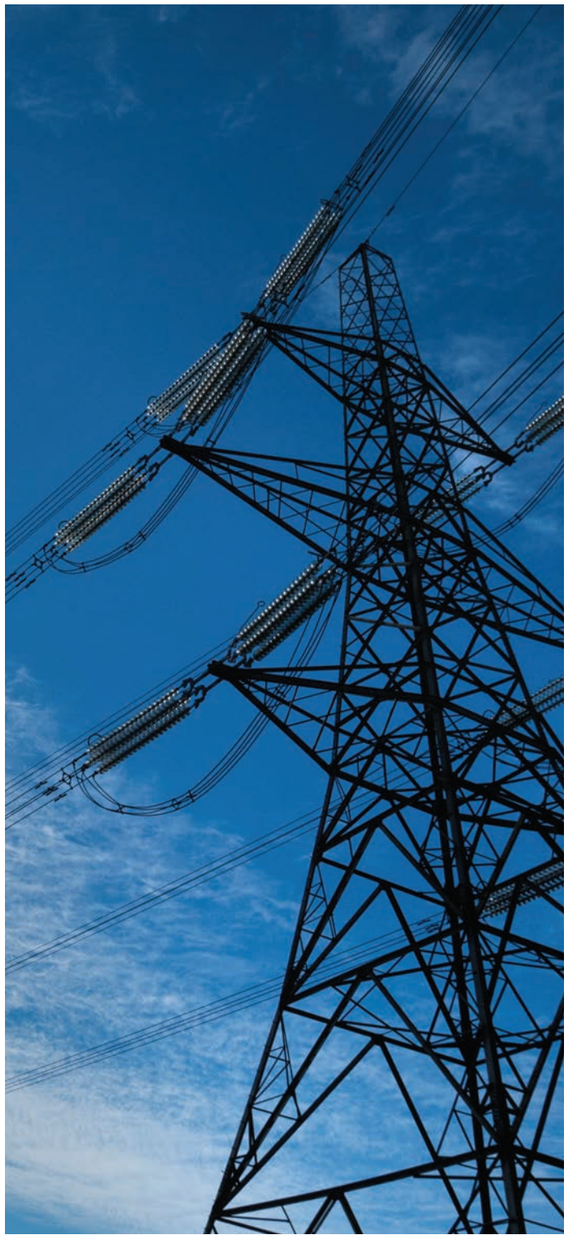
Like much of the high voltage electricity transmission network across the country, the network between the North and the Midlands was largely built in the 1960s, carrying electricity down from Scotland and the North, connecting coal fired generation in the Aire and Trent valleys with the main centres of population.

In the area north of the Humber, the network was initially developed to supply demand in and around Hull and the wider area. Two 400 kV overhead lines, each carrying two electrical circuits, connect Creyke Beck, near Cottingham, north of Hull. Creyke Beck and Salt End North are grid supply points where the local distribution network operator, Northern Powergrid, reduces the voltage to take electricity on, via their lower voltage distribution network, to homes and businesses.

In the late 1990s, gas fired generation at Salt End, east of Hull, was connected back to the transmission network at our Creyke Beck substation, via a new 275 kV overhead line from Salt End South substation. Creyke Beck and Hedon are also connection locations for existing offshore wind farms.

In the Trent Valley, the electricity transmission network was built to connect major coal fired generation at Keadby, Cottam, Staythorpe, West Burton and High Marnham, carrying electricity on towards major population centres. Electricity still flows primarily from the North to the Midlands through the region today.

A watt is a measure of power and there are 1 billion watts in 1 GW. 1 GWh is the equivalent of powering one million UK homes for one hour. A kV is a measurement of electrical voltage. The measurement stands for kilovolts or one thousand volts. Put simply, the higher the kV capacity of an overhead line, the more power it can transport.





Why does the network in the region need reinforcing?

With growing offshore wind and interconnectors, an anticipated tripling of wind generation connected across the Scottish networks by 2030 and the Government's increased ambition to connect 50 GW of offshore wind by 2030, north-south power flows are set to increase. If all of the proposed new offshore wind that is planned to connect in the Creyke Beck area gets built, this would amount to just under 12 gigawatts (GW) of generation capacity by the early 2030s.

Interconnectors are high voltage cables that are used to connect the electricity systems of neighbouring countries.

The existing network serving the Creyke Beck area can export just under 7 GW of electricity while remaining compliant with the Security and quality of supply standards to which the network is operated.

The Security and quality of supply standards are guidelines and requirements that we must follow to ensure that electricity is delivered reliably and efficiently. For example they ensure electricity flows without interruption in the event of faults and is within accepted tolerances, such as voltage and frequency.

The network as it is today would not have the capacity needed to export the significant forecast increase in contracted generation out of the area or to accommodate the north–south power flows that are expected on the network. We need to increase the capability of the electricity transmission network between the north of England and the Midlands.

The high voltage electricity transmission network in England and Wales operates largely at 400 kV and 275 kV. It connects separately owned generators, interconnectors, large demand users fed directly from the transmission system and the lower voltage distribution networks.

Most lines of pylons on the network carry two electrical circuits. The network is planned and operated under a set of standards designed to ensure there are no widespread electricity supply interruptions, even if two circuits are out of service. Before we build new infrastructure, we make sure we have done everything possible to get greater capability out of the existing network, including to accelerate the connection of clean energy projects. While there are several network upgrade projects planned, North Humber to High Marnham is an essential new reinforcement that forms part of The Great Grid Upgrade and is one of 17 network reinforcements identified as 'essential' and which need to be accelerated to meet 2030 targets.

Without these upgrades, the network won't have the capacity that is needed to move electricity from where it is produced to where it is needed. Therefore, we need to upgrade it to maintain system compliance and prevent overloading circuits as they transport the energy that is generated. The Project would support the UK's net zero targets by adding capacity to accommodate increasing power flows of energy. This is generated mostly from offshore wind in Scotland and North East England, which is expected to double within the next ten years, to areas of demand south to the Midlands and beyond. By reinforcing the network in the centre of the country, the project will facilitate the connection of more renewable and low carbon electricity, to allow clean green energy to be carried around the network.

Increasing network boundary capability

To understand current and future demands on the electricity network, the concept of network boundaries is used. A boundary splits the system into sections and shows where there are high power flows between parts of the network. When flows across a network boundary are forecast to be above the capability of the network, there are two options to manage this:

- pay electricity generators to reduce the energy they produce in one part of the country while paying others elsewhere to generate. These are called ‘constraint payments’
- increase the capability of the network to allow more electricity to flow.

Balancing the network by using constraint payments can temporarily manage power flows where network capability is insufficient, but it increases operation costs as more expensive generation is brought on. This can be an economic way to manage the network up to a point, if constraint costs are not disproportionate. Where constraint costs are substantial, the network becomes uneconomic to operate. It then becomes necessary to invest in increasing network capability.

Transmission boundary B8 runs east to west, separating the northern generation zones, including Scotland, Northern England and North Wales, from the Midlands and southern demand centres.

We need to reinforce our network to prevent system failures and circuit overloads from happening.

Wider reinforcements on the B8 boundary

Over the next decade works are planned to increase capability across the B8 electrical transmission boundary. These works include replacement of existing wires overhead and underground cables, increasing power transmission capability and installing equipment to improve the efficiency of the existing network.

While those works will increase the amount of electricity that can be transferred across boundary B8 to around 16 GW, they will not be sufficient to accommodate the north-south power flows that are expected on the network.

Up to around 28 GW of boundary transfer capability is needed by 2035 across the B8 boundary with increasing offshore wind and interconnectors. Our North Humber to High Marnham proposals will help the transition to clean energy, making sure the grid is ready.

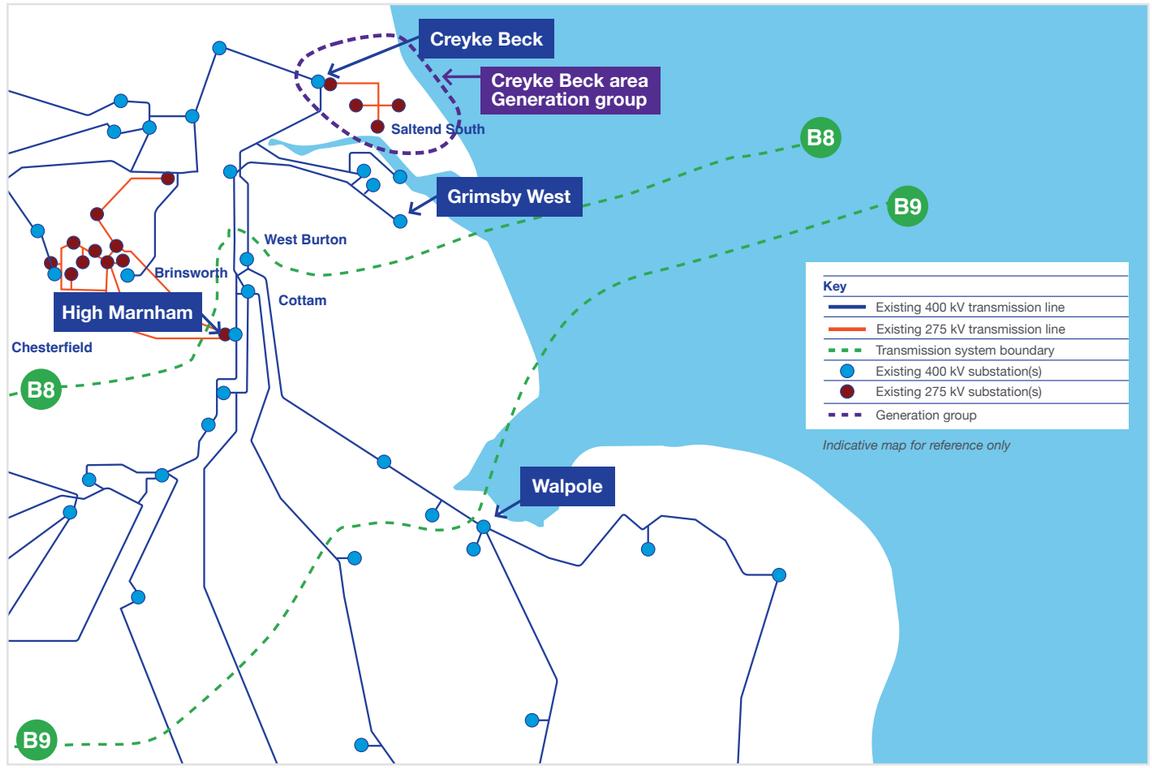


Figure 1.3 – map showing the B8 and B9 transmission boundaries

Our proposals

This section describes our proposals for a new high voltage electricity transmission line and associated works between the new Birkhill Wood substation north of Hull at Creyke Beck in East Riding of Yorkshire and the new High Marnham substation in Nottinghamshire.

This includes a new 400 kilovolt (kV) electricity transmission connection of an overall length of approximately 90 km between two proposed new substations, Birkhill Wood 400 kV substation and High Marnham 400 kV substation.

This proposed reinforcement is required to increase the capability of the electricity transmission network between the north of England and the Midlands. It is also needed to facilitate the connection of proposed new offshore wind farms that are planned in the area.

In our non-statutory consultation held in 2023, we introduced the need to build new electricity transmission infrastructure in the area and presented a 'corridor' showing where the new infrastructure could be built. In 2024 we held a localised non-statutory consultation on a potential alternative corridor known as the 'eastern corridor' between South Wheatley and High Marnham.

Following each consultation we have carefully considered all the feedback received and used it to help inform decisions on the overall preferred corridor and preferred alignment that we are now seeking your views on. We've summarised the process for identifying the preferred alignment in this section, and any changes to the corridor presented at our non-statutory consultation. More information is available in the Design development report.

At our non-statutory and targeted non-statutory consultations, we showed a preferred option corridor. This included a graduated swathe, which indicated an area within which the overhead line could be routed. The corridor area was darker where an alignment was more likely, and lighter where it is less likely.

As part of our statutory consultation, we have developed our preferred option corridor into a preferred route alignment. Where our preferred route alignment deviates from the corridor shown previously, we have explained the reason(s) for the change.

South Wheatley to High Marnham corridor decision

Following our non-statutory consultation in 2023, we reviewed all consultation feedback and undertook a review of our technical work[4] on the corridor route and siting to take into account new information, including consultation feedback and design and assessment work. As a result of this further work, we identified a potential alternative corridor referred to as - 'the eastern corridor' - in the southernmost section of the route, between the villages of South Wheatley and High Marnham. For ease of reference, the section of the emerging preferred corridor between South Wheatley and High Marnham presented during non-statutory consultation in 2023 is referred to as the 'western corridor'.

A localised non-statutory consultation was held in July and August 2024 to obtain feedback on the eastern corridor. To support and inform the localised non-statutory consultation events, an appraisal was undertaken on the eastern corridor which covered a range of criteria such as environmental, socio-economic, technical and cost factors[5].

Further technical and environmental assessment work, together with feedback from both the 2023 and 2024 consultations has informed a decision on the overall preferred corridor between South Wheatley and High Marnham, within which the preferred alignment has been identified and presented for this statutory consultation.

Whilst there would be some reduction in landscape and visual effects routeing within the eastern corridor, largely due to the existing baseline being defined by the presence of existing energy transmission infrastructure, in the absence of landscape designations in either eastern or western corridors it is not considered that the western corridor is unfeasible. Routeing within the western corridor would help to avoid the potential for adverse cumulative impacts with the existing converging and diverging overhead lines as originally concludes in the CPRSS and in accordance with Holford Rule 6. As it is not feasible for the new overhead line to run parallel with the existing overhead lines in the Trent Valley due to existing constraints, any visual benefits associated with a continuous triple parallel alignment in this location cannot be achieved through routeing in the eastern corridor.

Large sections of the eastern corridor are within areas of flood zone 3, compared to the western corridor, which has almost no areas at higher risk of flooding. Routeing within the eastern corridor could increase the risk of programme delays should flood events occur during the construction period and working restrictions be required. Routeing within areas at higher risk of flooding would also likely require complex foundation designs which increases technical complexity resulting in possible programme delays and increase in cost.

The increased presence of consented renewable developments within the eastern corridor compared to the western corridor increases costs from a land rights and compensation perspective due to the need to negotiate with landowners and developers who may have already incurred capital expenditure related to their consented projects. Compensation may be required not only for restrictions on the future development potential of these projects but also to account for investments already made, such as planning, infrastructure, and preliminary construction costs.

National Grid develops its projects in accordance with its statutory duties under the Electricity Act 1989 to be economic, efficient and have regard to the environment and amenity and national planning policy. When balancing the technical, environmental, socio-economic and cost considerations it was considered the western corridor is preferred and would best meet National Grid's duties and obligations.

Further detail on the South Wheatley to High Marnham corridor decision can be found in the Design development report.

[4] More information can be found in the Supplementary corridor routeing report (SCRR) on the Document library section of our website **nationalgrid.com/nh-hm**.

[5] More information can be found in the Corridor preliminary routeing and siting study (CPRSS) on the Document library section on our website at **nationalgrid.com/nh-hm**.

Substations

Consultation on new substations

The project would need to connect to two new substations – one at Creyke Beck in Cottingham, (known as Birkhill Wood substation) in the East Riding of Yorkshire and a new substation at High Marnham in Nottinghamshire (part of a project called 'Brinsworth to High Marnham').

Planning permission for these new 400 kV substations needs to be obtained from the relevant local planning authorities under the Town and Country Planning Act 1990. Separate public consultations have been held for each of these projects.

Consultation on proposals for a new gas insulated switchgear substation located approximately 700 metres to the north of the existing Creyke Beck substation was held in July 2023. A planning application is being submitted to East Riding of Yorkshire Council for the new Birkhill Wood substation in 2025. You can read more about the proposed new Birkhill Wood substation, previous consultation and latest updates on their project website at **nationalgrid.com/creyke-beck**.

Consultation on the proposals for a new air insulated switchgear substation at High Marnham, Nottinghamshire, took place in April and May 2024 as part of a project called Brinsworth to High Marnham. A planning application will be submitted to Bassetlaw District Council for the new High Marnham substation in 2025. You can read more about the proposed new High Marnham substation, previous consultation on Brinsworth to High Marnham and latest updates on their project website at **nationalgrid.com/brinsworth-highmarnham**.

In addition to connecting the new overhead line reinforcement which North Humber to High Marnham will provide, the substations are also needed to provide a connection point for third-party developments to connect into the transmission network in the Cottingham and High Marnham areas. Once the planning applications for each substation have been submitted to the local planning authorities, you may submit comments directly to the relevant local planning authority regarding these planning applications.

Inclusion of the new substations in the North Humber to High Marnham statutory consultation

While the new substations did not form part of our proposals for North Humber to High Marnham during our non-statutory consultation, we have made the decision to include both substations within the statutory consultation for the North Humber to High Marnham project. This approach allows National Grid to demonstrate that the project can be delivered and that it can connect to the national transmission network.

National Grid is obligated to meet certain timescales for the delivery of the network reinforcement through the proposed new 400 kV overhead line, and the substations are integral to this.

The inclusion of the substations within the North Humber to High Marnham project does not change our intention to continue to progress with the separate planning applications for each substation, and it does not affect our continuing discussions and negotiations with relevant landowners and interested parties. We are committed to, and fully intend to pursue and deliver, the substations in line with relevant planning permissions and land agreements.

National Grid will continue to keep the project consenting approach under review as the project progresses. The new proposed substations will play an important role in building a more secure and resilient future energy system.

There are primarily two different types of substation - one uses air to insulate the electrical components (air insulated switchgear, or AIS) and the other uses gas to insulate the electrical components (gas insulated switchgear, or GIS). AIS substations require more space between the equipment, so occupy a larger footprint than the GIS equivalent. The decision on which type of substation we construct depends on several factors, including availability of space, potential environmental impacts, cost, safety and maintenance requirements.

Overhead line and pylons

We are proposing a new 400 kV electricity transmission connection of approximately 90 km running between Birkhill Wood substation and High Marnham substation.

New pylons and conductors (electrical wires) would be located along the overhead line route. We have not decided on exactly what type of pylon we will use. Standard steel lattice pylons are being considered and these are common across the electricity system in the UK in line with the national policy statements for energy. These are typically around 50 m high with three sets of cross arms. The preferred alignment routes parallel with and close to existing 400 kV overhead lines (referred to as 'close parallel') in several locations, thus limiting the geographic spread of environmental and socio-economic impacts associated with the new overhead line infrastructure. The opportunities and benefits for close parallel alignment along the route are also influenced by local factors (e.g. topography, settlement pattern, woodland cover). The optimum level of benefit is likely to result from lines that, as stated in Holford Rule 6, are planned with pylon types, spans and conductors forming a coherent appearance. As such, lattice pylon types to match the existing 400 kV overhead line infrastructure in this area are preferred.

On straight sections of the route there would be approximately three pylons per kilometre, with slightly more on occasions. In some locations, specific features, such as navigable river crossings, can require taller pylons to ensure safe electrical clearance from the electrical conductors (wires).

The suitability of other pylon designs is being reviewed and considered, with our assessment to date concluding that T-pylons would not be suitable. You can read more about this in the Design development report.

The Holford Rules are guidelines on overhead line routeing that were developed by Lord William Holford in 1969. They set out the steps that National Grid uses as its basis when deciding where and how to route new overhead lines, such as by seeking to avoiding the areas of highest amenity value. Specifically, Rule 6 sets out guidance around where new overhead line infrastructure will interact with existing infrastructure.



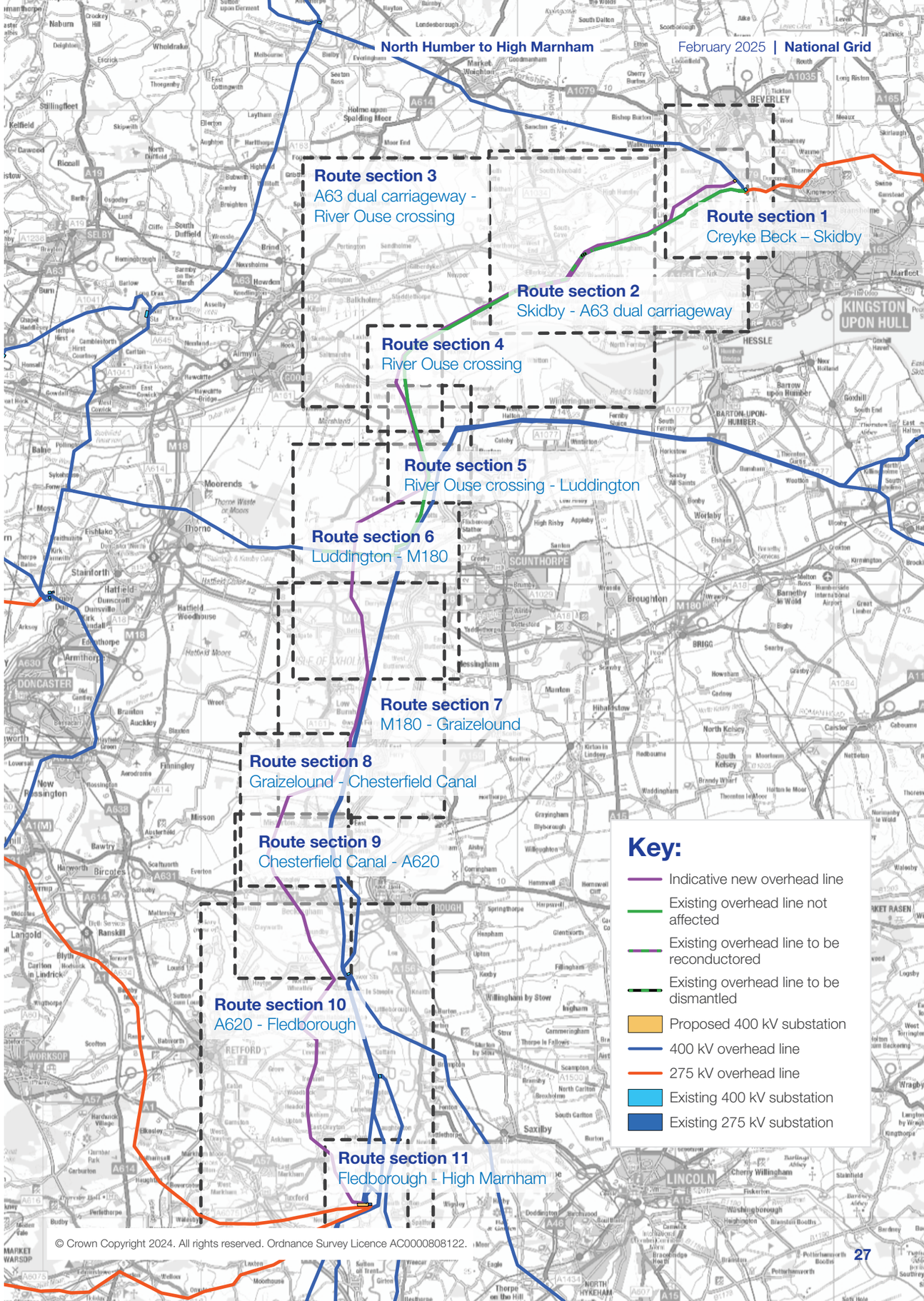
Proposals by location

Our preferred alignment has been split into 11 Route sections to make it easier for people to give feedback about any particular areas that they may wish to comment on. The sections are the same as used at our non-statutory consultation. Summaries of the proposals for Route sections 1 to 11, including maps, key issues and constraints, are included on the following pages.

- **Route section 1:** Creyke Beck - Skidby
- **Route section 2:** Skidby - A63 dual carriageway
- **Route section 3:** A63 dual carriageway - River Ouse crossing
- **Route section 4:** River Ouse crossing
- **Route section 5:** River Ouse crossing - Luddington
- **Route section 6:** Luddington - M180 motorway
- **Route section 7:** M180 motorway - Graizelound
- **Route section 8:** Graizelound - Chesterfield Canal
- **Route section 9:** Chesterfield Canal - A620 east of North Wheatley
- **Route section 10:** A620 east of North Wheatley - Fledborough
- **Route section 11:** Fledborough - High Marnham.

Information about the two new substations is included in Route section 1 for Birkhill Wood substation, and Route section 11 for High Marnham substation.

To view all indicative pylon locations (each pylon has been allocated a number), you can use our interactive map available on the Project website - **nationalgrid.com/nh-hm**, the Design development report 2025, and our Project maps.



Substation
Birkhill Wood

The new Birkhill Wood substation is required to enable new sources of electricity to connect into the grid, including the proposed Dogger Bank South and Dogger Bank D offshore windfarms. The new substation would also serve as the connection point for the North Humber to High Marnham Project.

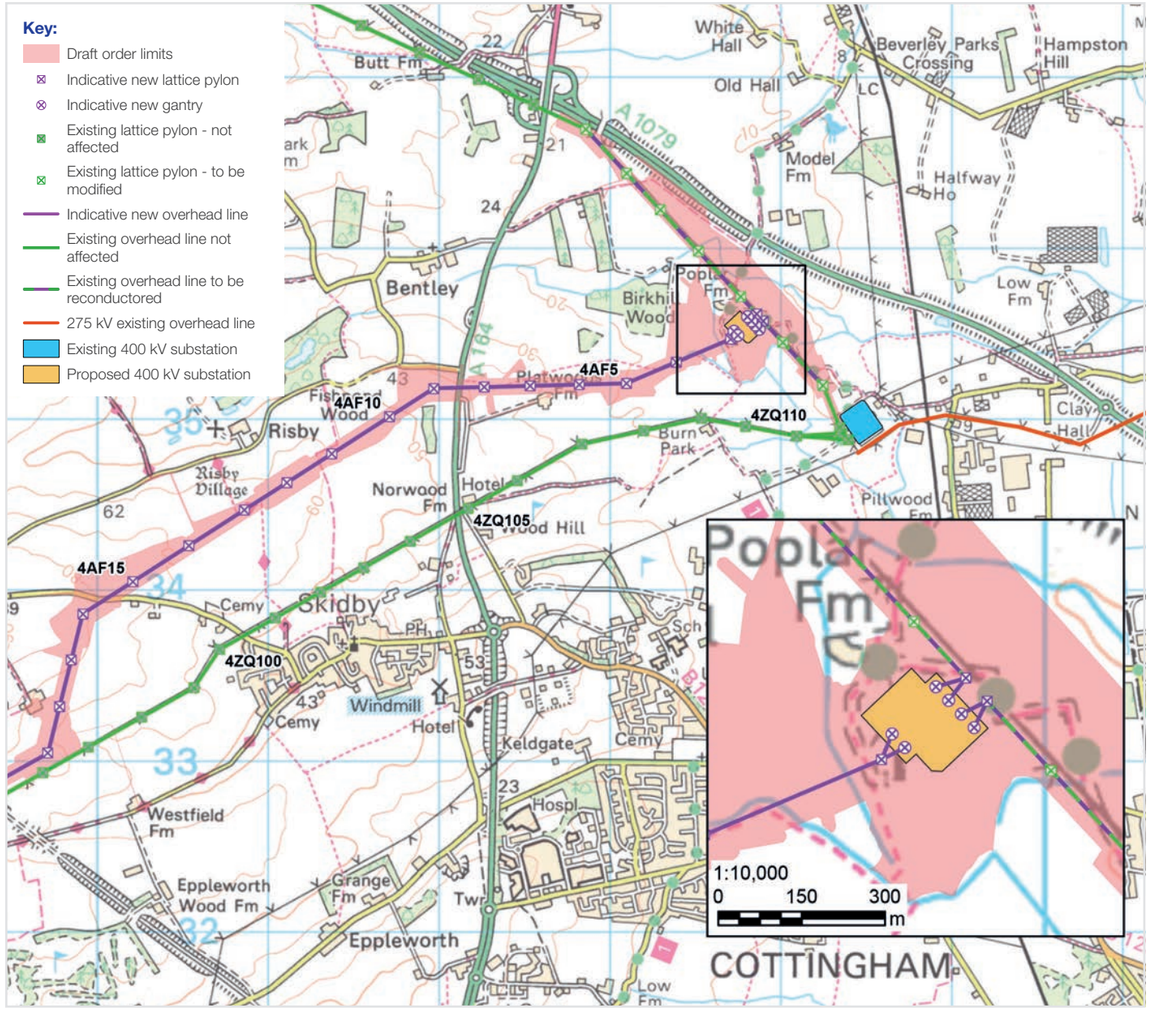
The proposed Birkhill Wood substation is located approximately 700 m to the north of the existing Creyke Beck substation. A 1.2 km temporary and permanent access road is proposed from the A1079 which would require two new permanent culverts for the crossing of two field drains. Three construction compounds / laydown areas are proposed. As part of the substation works there is a requirement to turn in the existing 4ZR 400 kV overhead line into the proposed new substation.

Construction compounds will be used to support construction work and day-to-day operations activity during the construction phase of North Humber to High Marnham.

Large compounds may include temporary offices, toilets and equipment storage areas, while smaller compounds will be used for equipment deliveries and short-term storage near to construction areas. All construction compounds will be removed at the end of the construction phase of the Project.

Route Section 1
Creyke Beck – Skidby

From the proposed new Birkhill Wood substation, the preferred alignment routes west for approximately 1.6 km from the proposed Birkhill Wood Substation to the crossing of A164 Beverley Road passing to the south of Jillywood. From the crossing of A164 Beverley Road the preferred alignment is then routed to the southwest for a further 1.5 km to the north of Platwoods Bar Plantation and the settlement of Skidby and south of Dunflat Road.

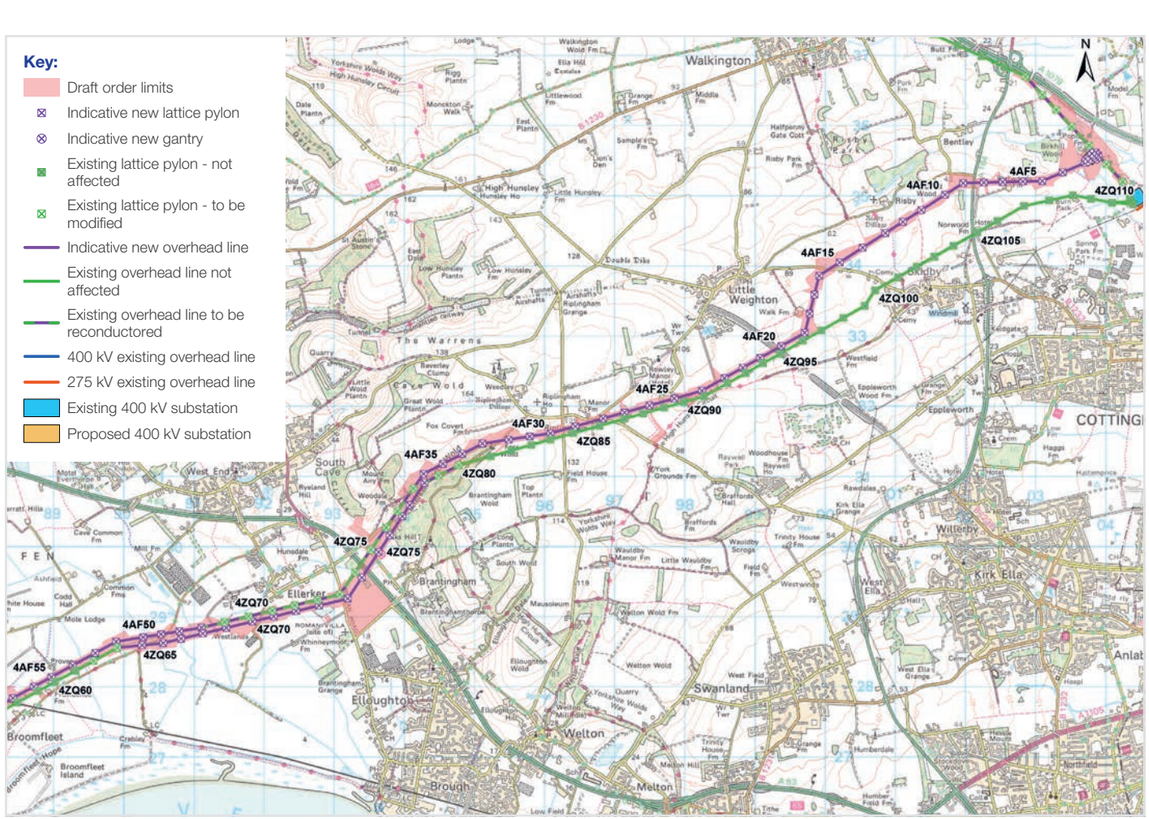


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Route section 2
Skidby - A63 dual carriageway

Continuing from Route section 1 the preferred alignment is routed southwest for approximately 1.1 km, crossing Little Weighton Road to proposed pylon 4AF16. From proposed pylon 4AF16 the preferred alignment is routed south for approximately 850 m to proposed pylon 4AF19. From pylon 4AF19 the preferred alignment is routed southwest to the south of the settlement of Little Weighton and in close parallel with the existing 4ZQ 400 kV overhead line for approximately 6.1 km, crossing Riplingham Road to the south of the junction with Rowley Road, Lambwell Hill and Dale Road. From here the preferred alignment routes to the north of Brantingham Dale SSSI to proposed pylon 4AF37.

In Route section 2 and continuing to Route section 3 there is a line swap-over, starting at Ellerker North Wold. The preferred alignment will connect onto the existing 4ZQ overhead line from new pylon 4AF36 onto existing pylons 4ZQ68-78, which will require modification of the existing 4ZQ pylons and renaming to 4AF37-4AF47. The line swap-over work will require a temporary diversion of the existing 4ZQ overhead line and a sequence of outages on the electricity transmission network, in order to ensure works can be carried out safely and to ensure continuity of electricity supply.



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Changes in Route section 1 and 2 since our non-statutory consultation

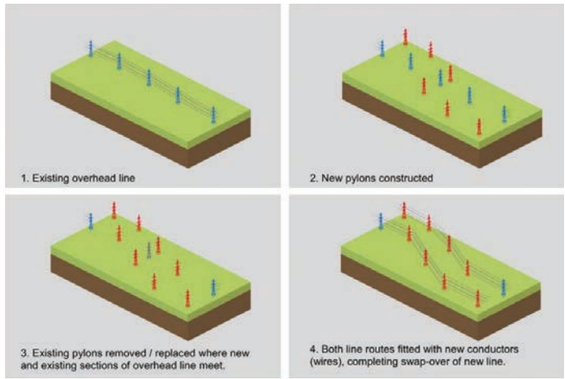
To overcome technical complexities and increase flexibility of routeing, we are now proposing that a short part of the preferred alignment in Route sections 1 and 2 would be slightly further north than the emerging preferred corridor shown at our non-statutory consultation.

Routeing further north in this location increases the distance from an existing high pressure gas pipeline and 33 kV distribution overhead line, reducing construction and operational safety risk and keeping the preferred alignment broadly equidistant between Little Weighton and Skidby.

The preferred alignment would come back within the preferred corridor before taking a northern route parallel to the existing 400 kV overhead line, reducing potential visual impacts.

Continuing in Route section 2 the preferred alignment routes outside of the emerging preferred corridor for three proposed pylon locations at Brantingham Dale, to the north west of Dale Road. This is to facilitate a line swap-over which requires a temporary diversion of the existing 4ZQ overhead line. Following review of consultation feedback an alternative line swap-over design is now proposed in this location, where the line swap-over between the new and existing lines would occur at the top of Ellerker North Wold rather than at the foot of the scarp slope as presented during our non-statutory consultation. This swap over position would allow more of the new overhead line to be routed in close parallel to the existing 4ZQ overhead line, where the two lines descend the scarp slope from the Wolds. Despite requiring the removal of a strip of plantation woodland at Bilks Hill, it is considered that this close parallel alignment would help reduce the scale of landscape impacts in this sensitive section of the Yorkshire Wolds Important Landscape Area. This line swap-over also enables the preferred alignment to be routed to the south of Ellerker and avoids the need for overhead lines both north and south of the village in accordance with feedback received during the non-statutory consultation.

A line swap-over is proposed between Route sections 2 and 3. This is where a length of existing overhead line is removed, allowing the two newly formed ‘ends’ of existing overhead line to be connected to two lengths of new overhead line. The two resultant routes would then both comprise of lengths of newly built and existing overhead line, as explained further in the illustration.



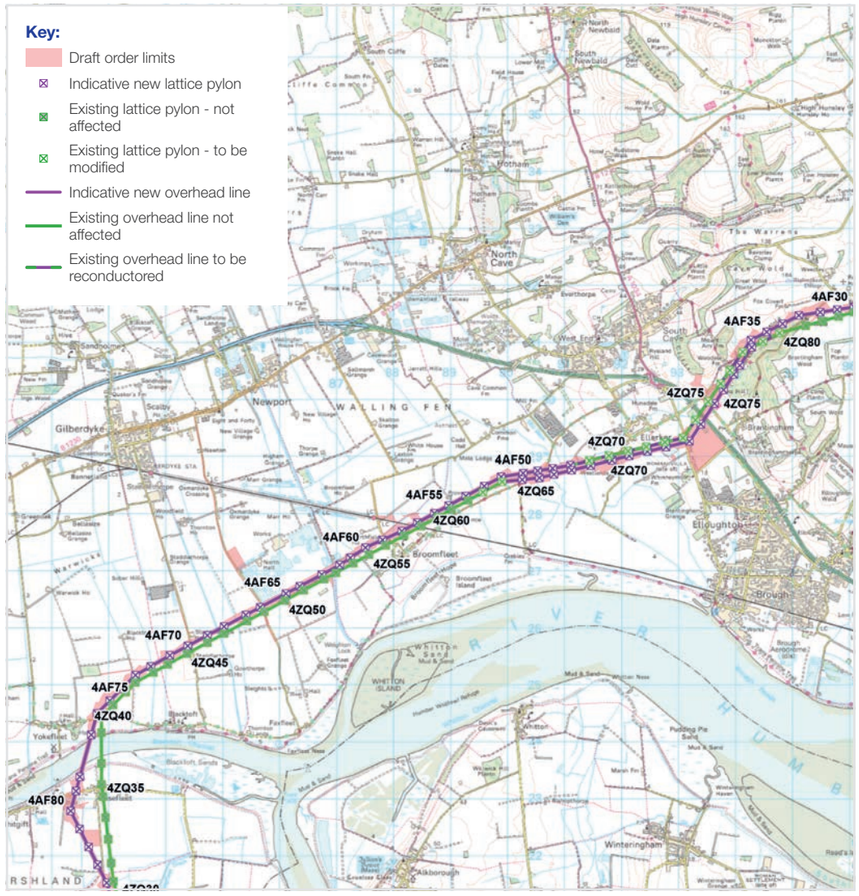
To help us and others when we refer to and work on infrastructure, we allocate this infrastructure identification codes. For example, the overhead line between Brantingham and east of Broomfleet is called “4ZQ”.

Route section 3
A63 dual carriageway - River Ouse crossing

From the start of this Route section at the crossing of the A63, the preferred alignment is routed to the south of existing 4ZQ overhead line and south of the settlement of Ellerker.

A line swap-over then takes place to the west of Ellerker, which leads to the preferred alignment routing to the north of the settlement of Broomfleet, in close parallel to the north of the existing 4ZQ overhead line and in accordance with consultation feedback received during the non-statutory consultation. Four of the existing 4ZQ pylons will be removed as they will no longer be required once the line swap-over is completed.

The preferred alignment is then routed in a south westerly direction crossing Brough Road, Sands Lane, Ings Lane, the Selby to Hull railway line, Carr Lane, Landing Lane, Market Weighton Canal, Tongue Lane and Staddlethorpe Broad Lane to the end of this Route section at Blacktoft Lane.



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Route section 4
River Ouse crossing

From the start of Route section 4 at Blacktoft Lane the preferred alignment is routed in a general southerly direction crossing the River Ouse and Townend Causeway between the settlements of Ousefleet and Whitgift to the southern extent of this Route section at Narrow Lane.
The preferred alignment remains broadly parallel with the existing overhead line in this Route section, however, the new overhead line deviates from being in close parallel in order to avoid oversailing properties within the settlement of Ousefleet and Hall Garth moated site Scheduled Monument.

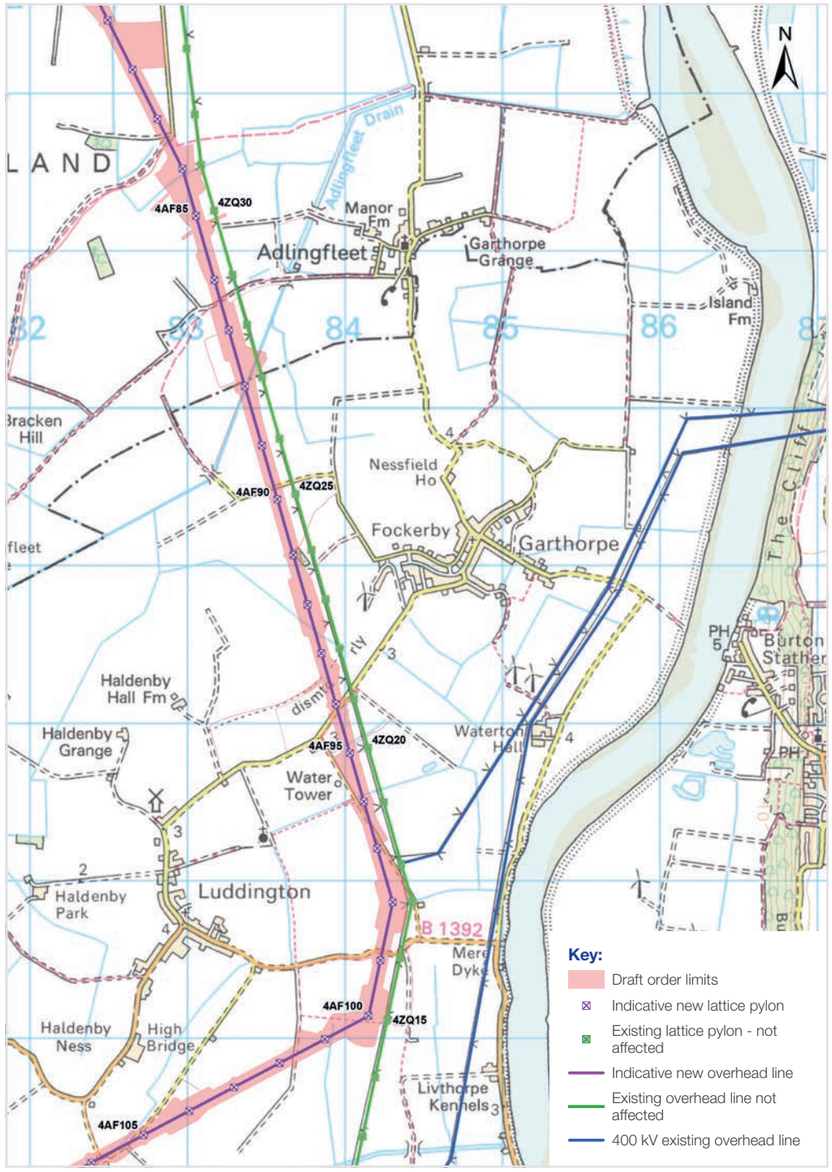
In Route section 4 proposed pylons 4AF77 and 4AF78 would be bespoke pylons, which will be taller in height than pylons proposed for the remainder of the preferred alignment in order to facilitate the crossing of the River Ouse and ensure sufficient safety clearance is achieved to the navigable river.



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Route section 5
River Ouse crossing - Luddington

From the start of Route section 5 at Narrow Lane, the preferred alignment is routed broadly southeast to the west of the settlement of Garthorpe and east of the settlement of Luddington crossing Adlingfleet Drain, Pasture Lane and Carr Lane to the end of this Route Section at Meredyke Road.



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Route section 6
Luddington - M180 motorway

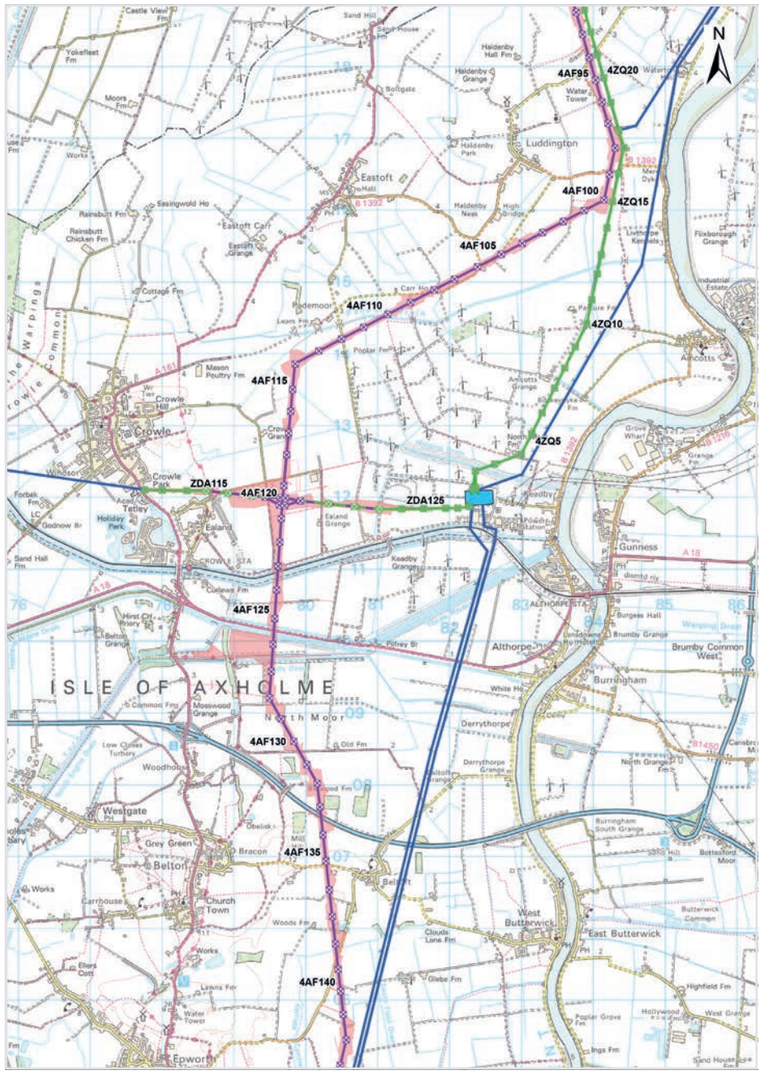
From the start of Route section 6 at Meredyke Road the preferred alignment is routed southwest to the south of the settlements of Luddington and Eastoft for approximately 4.8 km, crossing Pasture Lane and Carr Lane to proposed pylon 4AF114. From proposed pylon 4AF114 the preferred alignment is routed broadly south to the east of Crowle for a further 6.4 km crossing Outgate, the existing ZDA 400 kV overhead line, the Sheffield and South Yorkshire Navigation and the A18 to the end of the section at the M180.

In this Route Section the preferred alignment moves away from being parallel with the existing 4ZQ overhead line at proposed pylon 4AF100.

The preferred alignment crosses the existing ZDA 400 kV overhead line between Keadby and Crowle.

Key:

- Draft order limits
- Indicative new lattice pylon
- Existing lattice pylon - not affected
- Existing lattice pylon - to be modified
- Indicative new overhead line
- Existing overhead line not affected
- Existing overhead line to be reconductored
- 400 kV existing overhead line
- Existing 400 kV substation



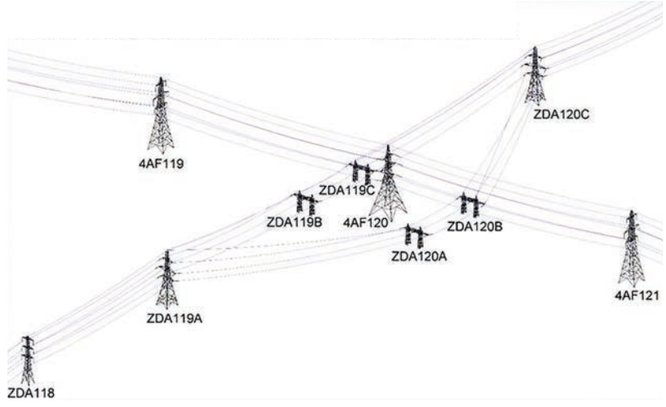
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Changes in Section 6 since our non-statutory consultation

During our non-statutory consultation we explained the need for North Humber to High Marnham to cross the existing ZDA 400 kV overhead line. We explained it may be necessary to underground a section of the existing ZDA route to facilitate the crossing.

Following further assessment of different options for crossing the existing ZDA route, we are proposing a diamond duck under crossing. This involves the preferred alignment ducking under a section of the existing ZDA route, with the circuit being split across four single flat formation towers (SFTs) in a diamond shaped arrangement. This will allow for potential future operation of the existing single circuit ZDA route as a double circuit.
To facilitate this crossing, the existing ZDA overhead line would be split into two sections of lowered overhead line between proposed pylons ZDA119A and ZDA120C.
This is to ensure the required electrical clearance between the proposed and existing line.

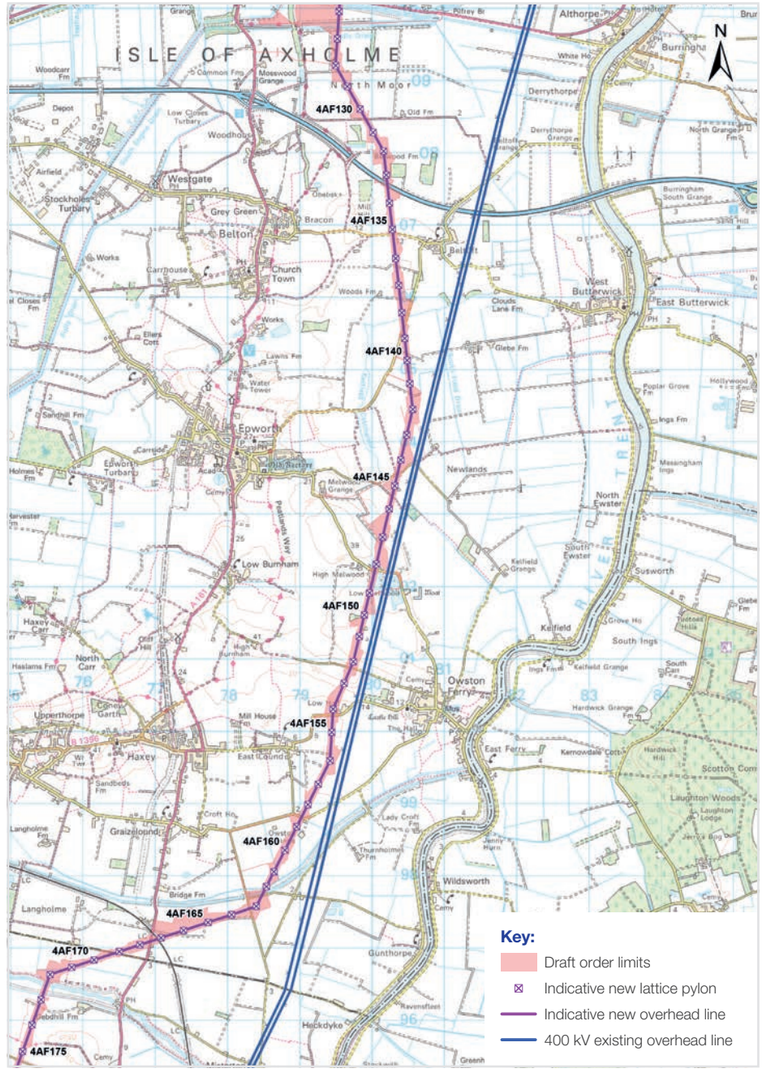
Illustrative design of diamond duck under crossing arrangement



In this Route section we are proposing a diamond duck under crossing, which is where the existing ZDA overhead line will be modified by replacing two existing pylons with two new pylons and two sets of lower height structures. Each new pylon/structure pair will carry an individual electrical circuit so that the proposed new overhead line can maintain sufficient electrical safety clearance to the existing ZDA overhead line.
You can see an illustration of how the diamond duck under crossing could look on this page.

Route section 7
M180 motorway - Graizelound

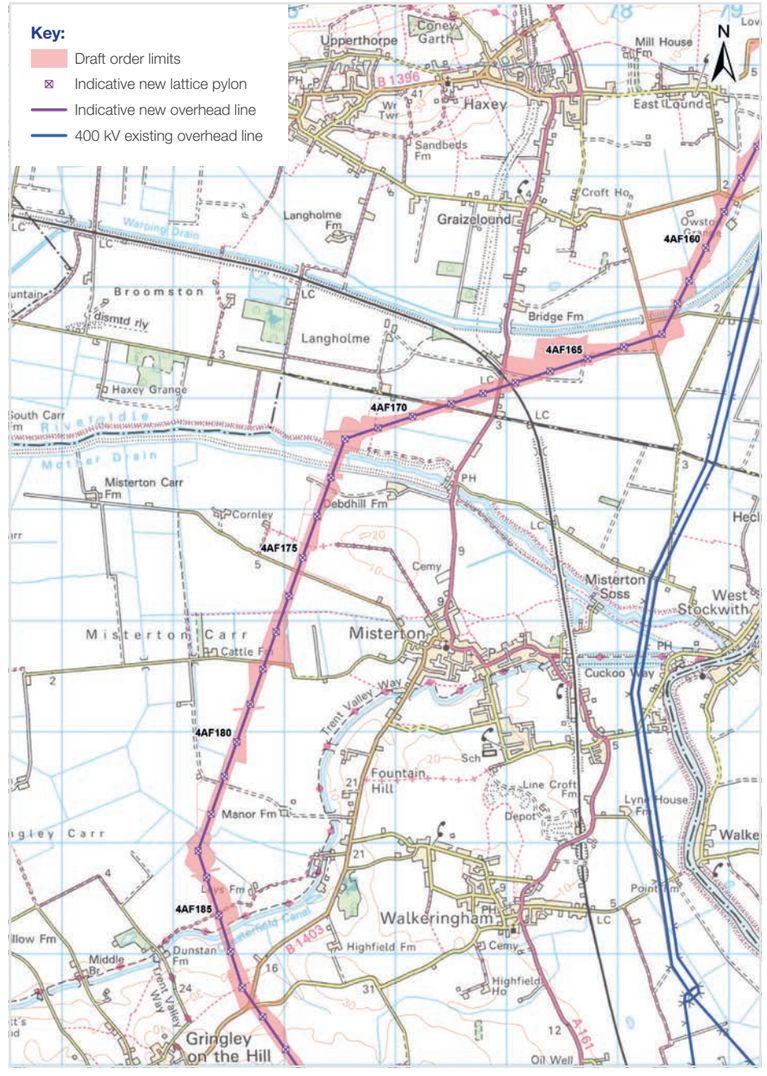
From the start of the Route section at the M180 the preferred alignment is generally routed south, to the west of the settlements of Beltoft and Owston Ferry and east of the settlements of Belton, Epworth, East Lound and Graiselound. The preferred alignment crosses Belton Road, Gurry Lane, Epworth Road, Newlands Lane, Melwood Hill, Burnham Road, East Lound Road, Ferry Road and Gunthorpe Road to the end of the section at Stockwith Road. In this Route section the preferred alignment is routed in parallel or close parallel with the existing 400 kV overhead lines for approximately 5 km between proposed pylons 4AF142 and 4AF156.



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Route section 8
Graizelound - Chesterfield Canal

From the start of the Route section at Stockwith Road the preferred alignment is routed generally west for approximately 3 km crossing a railway line and Tindle Bank Road to proposed pylon 4AF172. From proposed pylon 4AF172 the preferred alignment is then routed generally south for approximately 4.6 km to the west of the settlement of Misterton to the Chesterfield Canal, crossing the River Idle, Cornley Road and Cattle Road.



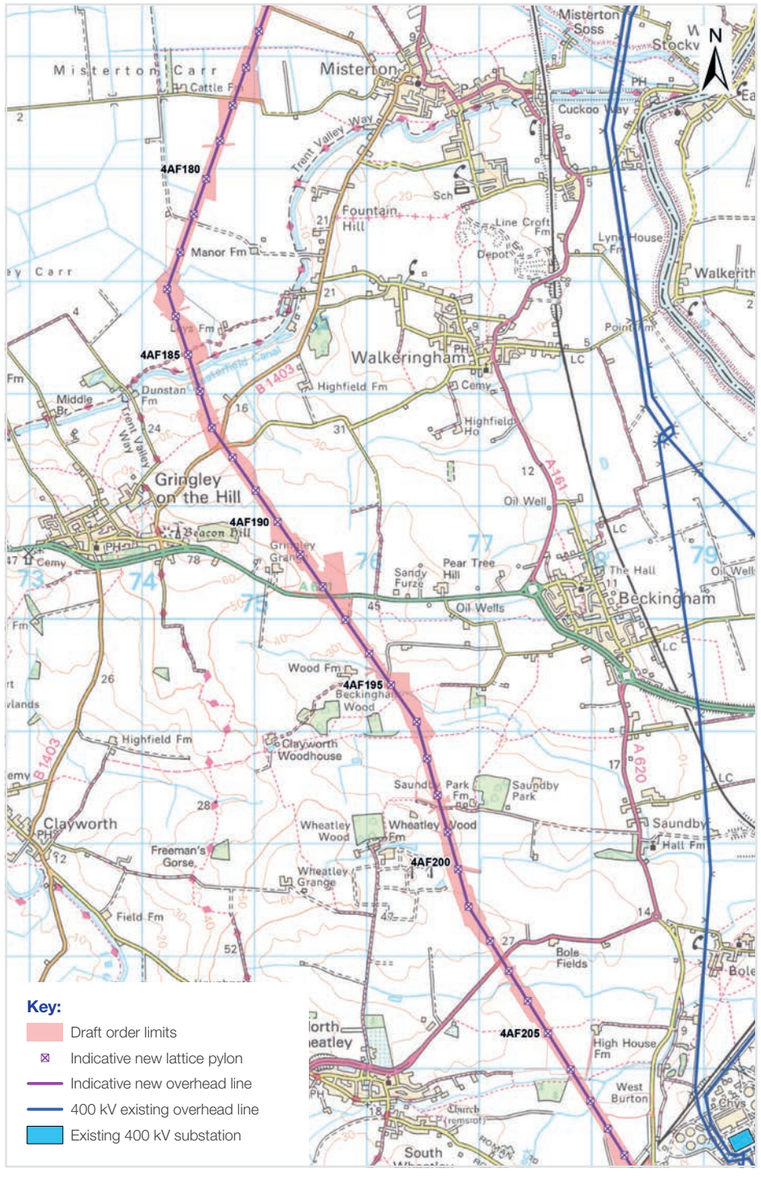
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Route section 9
Chesterfield Canal - A620

From the start of Route section 9 at the Chesterfield Canal the preferred alignment is routed in a general southeasterly direction for approximately 6 km to the east of the settlements of Walkeringham and Beckingham and east of the settlement of Gringley on the Hill to the end of the Route Section at the A620. The preferred alignment crosses the B1403, Walkeringham Road, A63 and Wood Lane.

Changes in Route sections 8 and 9 following the non-statutory consultation

The preferred alignment would extend outside of the graduated swathe and across the Carrs area to the north of Gringley. This change has been made to reduce landscape and visual impacts, including to residential amenity, views and local tourism businesses.



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Route section 10
A620 - Fledborough

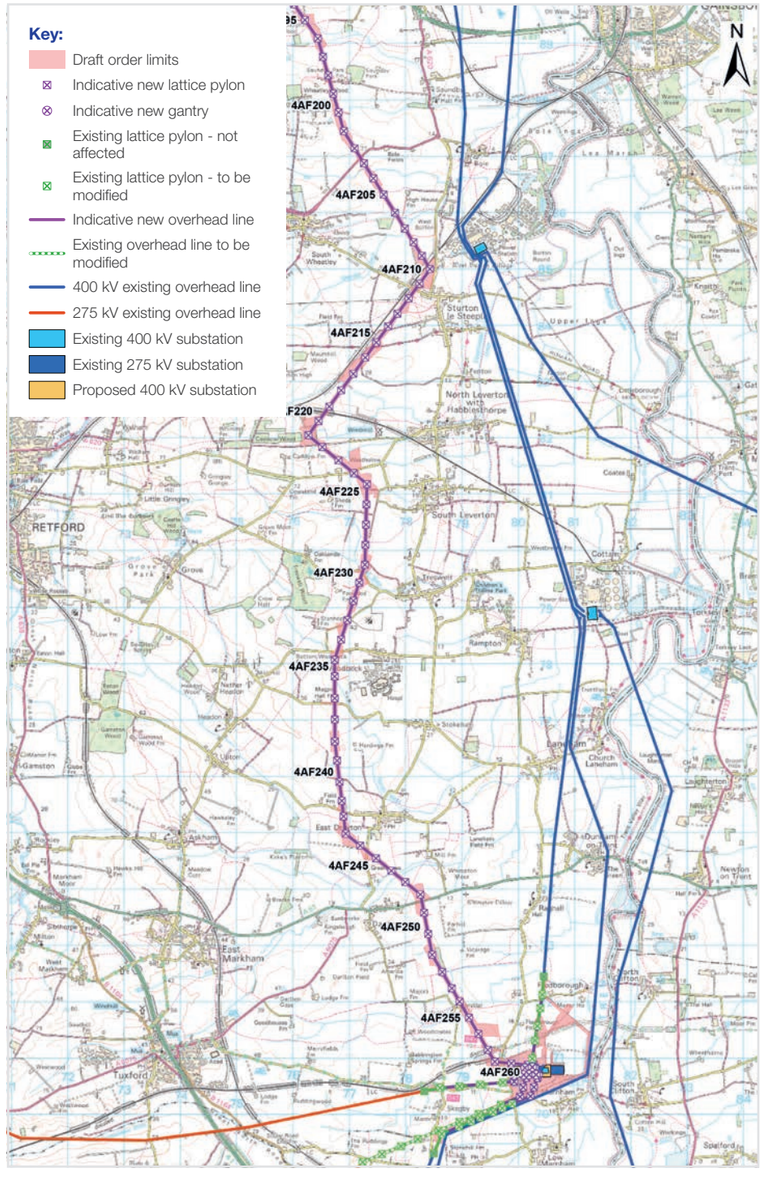
From the start of Route section 10 at A620 Gainsborough Road the preferred alignment is routed southeast to the east of North and South Wheatley for approximately 2.3 km to proposed pylon 4AF209 to the north of Sturton le Steeple.

Changes in Route section 10 following the non-statutory and localised non-statutory consultations

Following the localised non-statutory consultation in 2024 the 'eastern corridor' was discounted and the emerging preferred corridor as presented in 2023 was taken forward for development of the preferred alignment.

The preferred alignment would route to the east, outside the emerging preferred corridor (presented at our non-statutory consultation) to the north of Sturton-le-Steeple, and broadly equidistant between Wheatley and Bole.

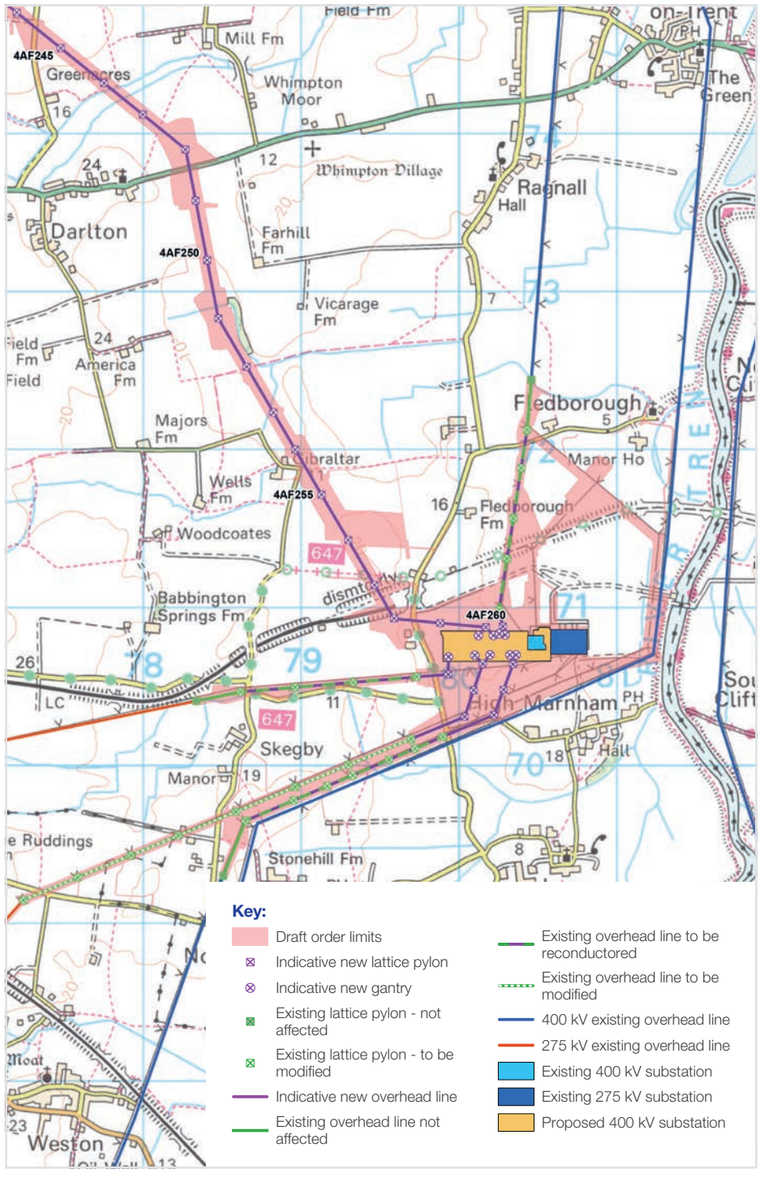
This change has been made to avoid interactions with the existing 132 kV overhead line and Wood Lane solar farm which would be unavoidable if the alignment had been within the emerging preferred corridor.



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Route section 11
Fledborough - High Marnham

Continuing from the boundary with Route section 10 the preferred alignment is routed southeast for approximately 0.5 km, crossing the disused railway west of the Marnham Railway Yard Local Wildlife Site and Fledborough to Harby Dismantled Railway Local Wildlife Site to proposed pylon 4AF258. From proposed pylon 4AF258 the preferred alignment is routed east for approximately 0.5 km to the proposed High Marnham substation.



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Substation
High Marnham

National Grid is currently developing proposals for a new substation at High Marnham. The new High Marnham substation will connect a number of new customers, playing an important role in building a more secure and resilient future energy system. More information on the consenting approach for the substations is available on page 24.

The proposed High Marnham substation is located to the west of the former High Marnham Power Station, approximately 0.1 km east of Main Street and approximately 1.4 km north of Hollowgate Lane. A new permanent access is proposed from the current access road off Main Street, this would also serve as one of the proposed temporary construction accesses. Three construction compounds / laydown areas are proposed. As part of the substation works there is also a requirement to reconfigure the existing overhead lines that currently connect into the existing 275 kV and 400 kV substations so they can connect into the proposed new 400 kV substation.

Construction

Should consent be granted for North Humber to High Marnham, we would expect construction to start in 2028, with the project becoming fully operational in 2031.

Our proposals include works associated with preparing the land for construction activity, such as vegetation clearance, diversions of third-party assets (such as utilities and services) and drainage works needed to ensure that land is not impacted by flooding or other damage throughout the construction and operation of North Humber to High Marnham.

The construction phase would involve a range of temporary construction activities, including working areas for construction equipment and machinery, site offices, storage, accesses, bellmouths, and haul roads, as well as creating crossing points across local watercourses and the diversion of public rights of way.

Building overhead lines and pylons

The first step in building overhead lines and pylons is enabling works, which include installation of bellmouth accesses, haul roads and construction compounds, along with any necessary changes to the public highway network in order to facilitate construction vehicles. Our construction areas are also fenced off to keep the public and livestock out of harm's way; and certain third-party assets, such as distribution network overhead pole lines, may need to be diverted, protected or routed underground to facilitate construction of the new 400 kV overhead line.

Following these enabling works, pylon working areas can be installed. To form the foundations for each pylon, long concrete pillars are driven deep into the ground and topped with a layer of reinforced concrete. Machinery, pre-mixed concrete and steelwork for the foundations will be delivered to the construction site in heavy goods vehicles (HGVs).

Pylons are made up of many beams and struts. They are assembled in sections at ground level before being lifted into place by a crane. The number of sections for each pylon would vary according to the size and type of pylon being built. This, along with the spacing between each pylon, is determined by safety, topographical, operational and environmental considerations.

Once pylons have been built, we hang the wires (also known as conductors) that carry the electricity – this is known as 'stringing'. We would string a section of approximately 10 pylons at a time. The wires would be pulled from one end to the other using large machinery. Where the pylon route crosses areas such as roads, rivers and publicly accessible areas, we would erect scaffolding and netting to keep everyone safe whilst we are carrying out this work. We may also use temporary traffic lights or 'Stop and Go' boards on some roads.

Once the overhead lines have been attached, temporary roads and working areas will be removed and the ground reinstated.

How we construct a substation

First, we clear and level the area, then we excavate the earth to make way for the foundations - sometimes this earth is used to relandscape the surrounding terrain. All building structures are built on site and will be designed and built to suit the requirements of the substation, depending on the technology we need to use - that could be air insulated switchgear (AIS) or gas insulated switchgear (GIS). We finish the construction by cladding the buildings in accordance with agreements made during the planning process, and this depends on characteristics of the surrounding area. Trees, hedges, and shrubs may be planted on the relandscaped area surrounding the site to help screen the substation from view. An electrical connection is installed between the substation and the National Grid network – this could be a cable or an overhead line.

Temporary construction compounds

We need to set up temporary construction compounds to support construction activities. Construction compounds are temporary areas that we use to house temporary offices, staff welfare facilities and to store equipment. They have a hard-standing surface, are secured by perimeter fencing and will be removed at the end of the project. For more information on construction compounds, see the Preliminary environmental information report (PEIR).

Primary access routes and haul roads are public roads which have been identified to route construction vehicles and HGVs.



Managing and mitigating effects

Feedback from all stages of consultation, along with outputs from our ongoing technical and environmental assessments, will help us further refine our proposals for North Humber to High Marnham as we prepare our DCO application.

We use best practice environmental impact assessment techniques to assess possible effects of our work and identify opportunities for mitigation measures and for delivering biodiversity net gain.

Our Preliminary environmental information report (PEIR) considers the likely significant effects of our proposals on the environment, along with the measures we are proposing to avoid, reduce or mitigate these impacts. The PEIR, along with non-technical summary of its findings, is available on our project website at **nationalgrid.com/nh-hm**.

Protecting the environment during construction

Our detailed environmental surveys and assessments have helped us to understand potential effects and how they can be avoided, reduced or mitigated during construction and operation. Where avoidance and mitigation is not possible, we would 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.

Environmental impact

We are required to follow a set procedure for all nationally significant infrastructure projects to assess the likely significant environmental effects of our proposals. We will carry out an environmental impact assessment (EIA) and submit a full environmental statement (ES) and non-technical summary as part of our application for development consent.

Biodiversity net gain

Biodiversity net gain (BNG) is a way to ensure that the environment is left in a better state after construction than it was before the work started. The decline of biodiversity in the UK is well documented and we are conscious that our activities can impact habitats and therefore species' ability to thrive. We have committed to achieving a minimum of 10% biodiversity net gain for new major projects to ensure we leave the site and local area in a measurably better state than before the development took place. BNG can be achieved through habitat creation and/or enhancement and may be delivered on site or off site.

Protecting soil and agricultural land

We appreciate the national significance of the agricultural land impacted by our proposals, and would put measures in place to reduce our impact, including:

- the careful removal of soil to be stored adjacent to the working area, meaning soil of the same texture, organic matter content and nutrient status can be reinstated in the same area it was removed from and to match the existing soil profile as far as it is possible
- implementing a soil management plan to ensure there is no drop in soil quality as a result of construction works. As part of the plan, soil will be tested before and after construction
- protection of livestock by erecting suitable fencing
- soil handling works will be supervised by appropriately qualified and experienced individuals, and an appropriate aftercare period and plan will be set out. Through the implementation of these mitigation measures the project aims to reinstate land to its original condition and land grade.



Information for landowners

When developing our proposals, we need to understand who has a legal interest in the land in and around the areas being considered as part of the project.

In the DCO process, anyone with a legal interest in land is known as a person with an interest in land (PIL). If you are identified as a PIL, we will contact you directly.

Whilst much of the information we need is available on public registers, we have appointed land referencing firm Dalcour Maclaren to contact individual landowners to verify the publicly available information and ensure we have made best efforts to identify any potentially impacted landowners.

If you are a landowner and believe your property may be affected by our proposals, and want to talk to our lands team, please email **NH-HM@dalcourmaclaren.com**, call **0333 188 3511** or write to **Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU**.

Surveys

As we work to develop our proposals, we have undertaken surveys in areas close to the route. This includes ecology and habitat surveys, as well as ground investigation studies, which include borehole drilling, trial pit digging and monitoring activities. Some of these surveys will continue as we work to finalise our application for development consent for the Project and assess conditions for construction. We encourage landowners to contact us if they have any queries about how their land may be affected.

Since the consultations in 2023 and 2024, our land referencing company WSP has been making enquiries to identify and confirm all relevant land interests. WSP has issued a Landowner Interest Questionnaire (LIQ) to people with an interest in land, to ensure the correct information is held relating to each parcel of land.

More detailed information for landowners, along with relevant contact information can be found on the landowner page of our project website.





Next steps

All feedback we receive as part of this consultation will be carefully considered, alongside the outcome of our ongoing technical and environmental assessments as we finalise our proposals and prepare our application for development consent.

During this time, we will also:

- continue our discussions with landowners and people with a legal interest in land
- continue briefing local elected representatives
- continue working with local authorities and other stakeholders
- provide updates to those who have asked to be kept updated on our proposals via email. You can register for these updates on our website at **nationalgrid.com/nh-hm**
- post updates on the North Humber to High Marnham project website at **nationalgrid.com/nh-hm**
- continue to refine our proposals in response to feedback and findings from technical studies and surveys
- prepare our application for development consent.

Once we have prepared our application for development consent, we will submit our application to the Planning Inspectorate seeking permission to build North Humber to High Marnham.

Our submission will include a Consultation report, showing how we have taken account of feedback received to all stages of consultation.

The Planning Inspectorate will examine our proposals and make a recommendation on the application to the Secretary of State for the Department of Energy Security and Net Zero, who will make the final decision on whether to grant consent.

If consented, we expect construction work to start in 2028 with North Humber to High Marnham operational in 2031.

National Grid plc
National Grid House
Warwick Technology Park
Gallows Hill
Warwick CV34 6DA
United Kingdom

nationalgrid.com

February 2025. Cavendish.

H.8 Feedback Questionnaire

The Great Grid Upgrade

North Humber to High Marnham

nationalgrid

Statutory consultation feedback questionnaire

February - April 2025



Our statutory consultation

National Grid is consulting on proposals to upgrade the electricity transmission network between a new substation near Creyke Beck in the East Riding of Yorkshire and a new substation at High Marnham in Nottinghamshire.

This is the next stage of public consultation on our proposals for North Humber to High Marnham. It is called a statutory consultation because it is being carried out in line with the formal requirements of the Planning Act 2008. It follows a non-statutory consultation in 2023 on our early proposals and a localised non-statutory consultation in 2024 at the southern end of the route.

The consultation is open between 12 noon on Tuesday 18 February and 11:59pm on Tuesday 15 April 2025.

Consultation is an important part of the development consent order (DCO) process. It enables everyone to comment on the proposals, with feedback helping inform their development - along with technical assessments and environmental surveys - before we submit our DCO application to the Planning Inspectorate.

Our proposals

Our proposals for North Humber to High Marnham will contribute to the UK's commitment to connect 50 gigawatts (GW) of offshore wind by 2030 and 70 GW of solar power by 2035. It will help to meet government targets to reduce carbon emissions, increase our country's energy security and carry cleaner and more affordable energy to where it is needed, by:

- reinforcing the network between the north of England and the Midlands
- facilitating the connection of planned offshore wind generation and interconnectors with other countries, allowing clean, green energy to be carried on the network.

The reinforcement is needed because our existing power lines do not have sufficient capacity for all the new sources of electricity that we expect to connect to the network over the next ten years and beyond. Building North Humber to High Marnham, together with other proposals, will help meet this future energy requirement.

Our proposals form part of The Great Grid Upgrade, which is the largest overhaul of the electricity grid in generations. The Great Grid Upgrade will play a big part in the UK Government's plans to boost homegrown power by helping to make sure our electricity network is fit for the future through carrying more clean, secure energy from where it is generated to where it is needed.

Our proposals have been revised in light of feedback received at our previous non-statutory consultation in summer 2023 and the localised non-statutory consultation in summer 2024.

More information on how feedback received from both of those non-statutory consultations has helped influence and shape the proposals can be found in the Non-statutory consultation feedback report, which is available on our website.

As part of our statutory consultation we are asking for your feedback on all aspects of our proposals, including:

- approximately 90 kilometres (km) of new overhead line between the new Birkhill Wood and High Marnham 400 kilovolt (kV) substations
- replacement and realignment of a section of the existing 400 kV 4ZQ overhead line between Brantingham and east of Broomfleet
- replacement and realignment of a section of the existing 400 kV ZDA overhead line between Ealand and west of Keadby
- a new 400 kV Birkhill Wood substation with a new permanent access. This is proposed to be a gas insulated switchgear substation
- replacement and realignment of a section of the existing 400 kV 4ZR overhead line to connect into the new Birkhill Wood substation
- a new 400 kV High Marnham substation, with a new permanent access. This is proposed to be an air insulated switchgear substation
- replacement and realignment of sections of the existing 4ZV and XE 275 kV overhead lines and existing 400 kV ZDA and ZDF overhead lines, to connect into the new High Marnham substation
- works associated with construction, including temporary diversion of existing overhead lines, temporary access roads, highway works, utility diversions and drainage works. Land would also be required for environmental mitigation, compensation and enhancement, including for biodiversity net gain.

Preliminary environmental information report

We are also consulting on the preliminary findings from our environmental studies and assessments, as well as mitigation proposals. More information can be found in our Preliminary environmental information report (PEIR), which is available on our website.

Further information

We have published a range of documents to help you find out more about our proposals and give your feedback, including:

- Project background document
- Community newsletter
- Preliminary environmental information report (PEIR)
- Preliminary environmental information report - non-technical summary
- Design development report
- Non-statutory consultation feedback report
- Strategic options report update
- Project maps
- Statement of community consultation.

These documents, along with others and an interactive map, are available on our website, **nationalgrid.com/nh-hm**.

If you wish to receive paper copies of these documents or need them in another format, please get in touch by freephone on **0808 189 1346** or by email at **contact@nh-hm.nationalgrid.com** (please note print charges may apply).

Your feedback

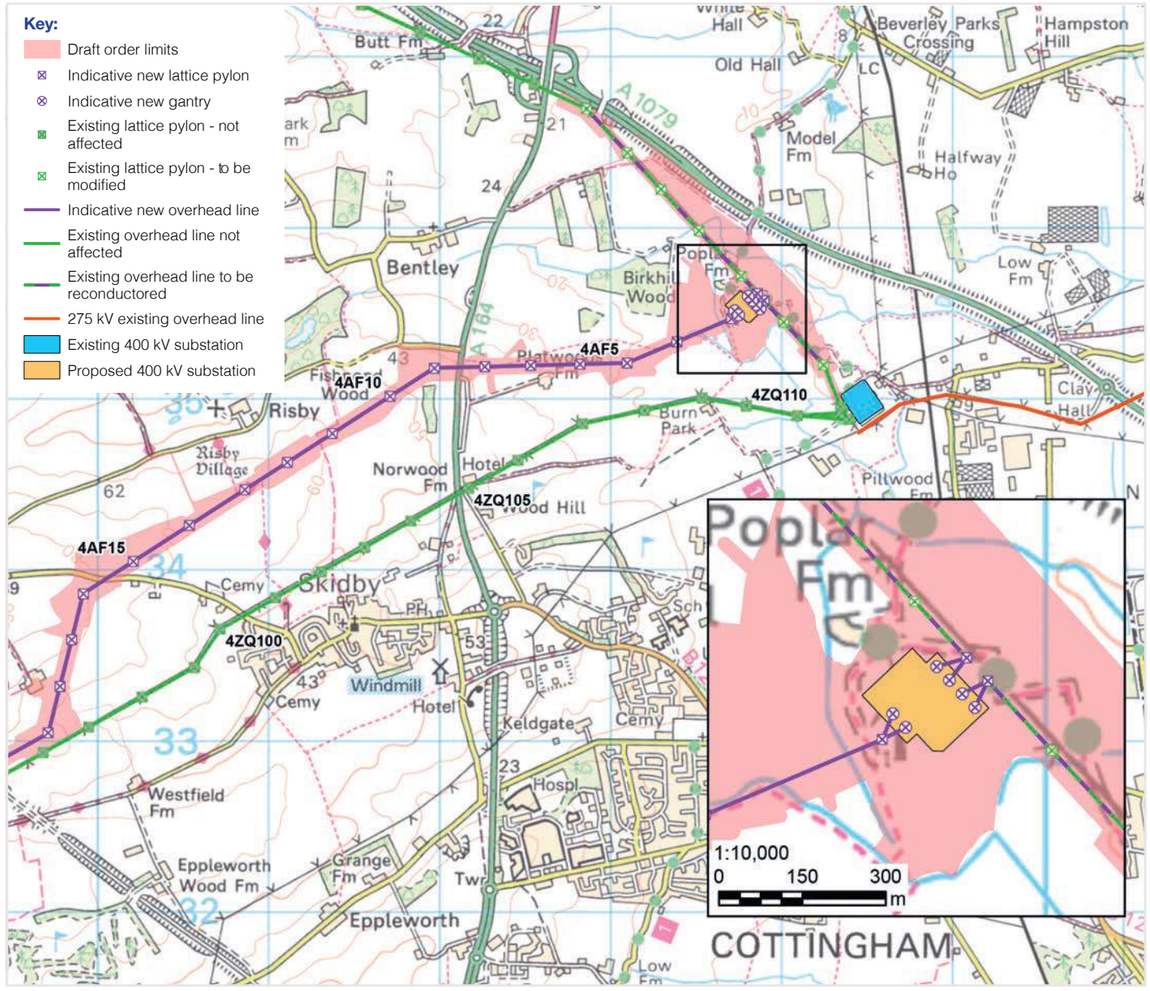
Feedback received during our 2023 and 2024 non-statutory consultations has resulted in a number of changes to our proposals, so it's important to review our plans carefully, even if you have previously provided feedback. Your feedback will play an important part in shaping our plans before we submit our application for development consent in summer 2026.

Please submit your response to this consultation by 11:59pm on Tuesday 15 April 2025. We cannot guarantee that responses received after this time will be considered.

We have structured this feedback questionnaire to reflect the 11 Route sections of our preferred alignment. Information on these proposals can be found on pages 22 to 43 of the Project background document. You do not need to respond to all of the questions if you do not wish to.

Route section 1 – Creyke Beck to Skidby

Please refer to page 29 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred Route alignment.



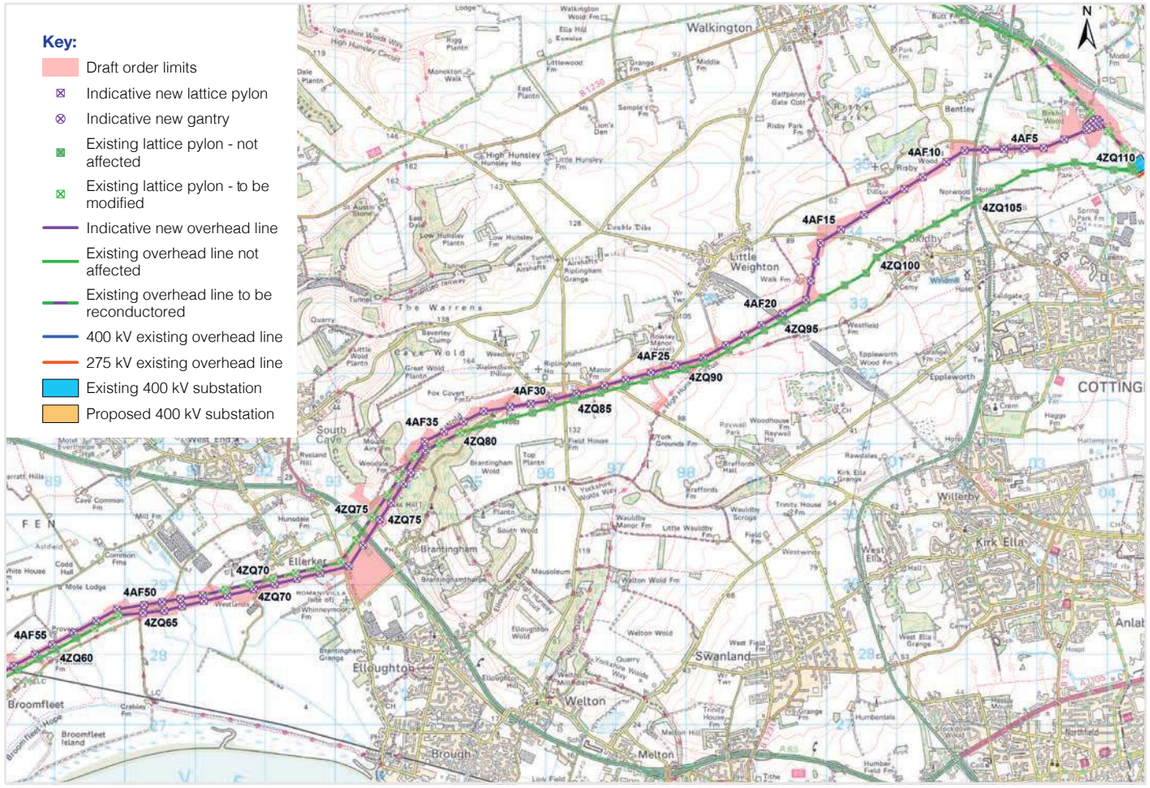
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Q1. Do you have any comments on the following within this Route section?

- our preferred alignment for the overhead line
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, all of which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated development
- changes we have made to the project in this Route section since the 2023 non-statutory consultation. Please see page 31 of the Project background document for more information on the changes
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 2 – Skidby to A63 dual carriageway

Please refer to page 30 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred alignment.



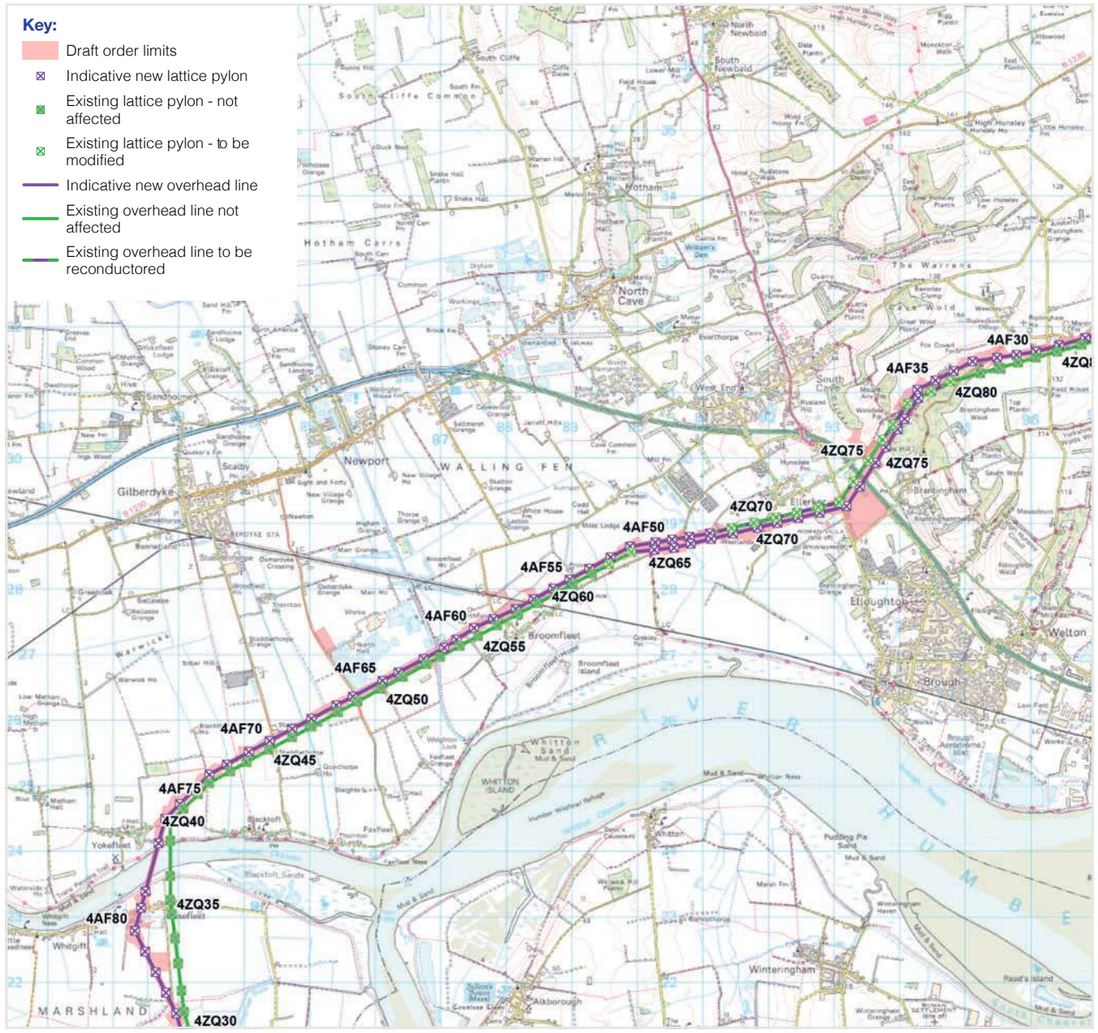
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Q2. Do you have any comments on the following within this Route section?

- our preferred alignment for the overhead line
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- changes we have made to the project in this Route section since the 2023 non-statutory consultation. Please see page 31 of the Project background document for more information on the changes
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 3 – A63 dual carriageway to River Ouse crossing

Please refer to page 32 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred route alignment.



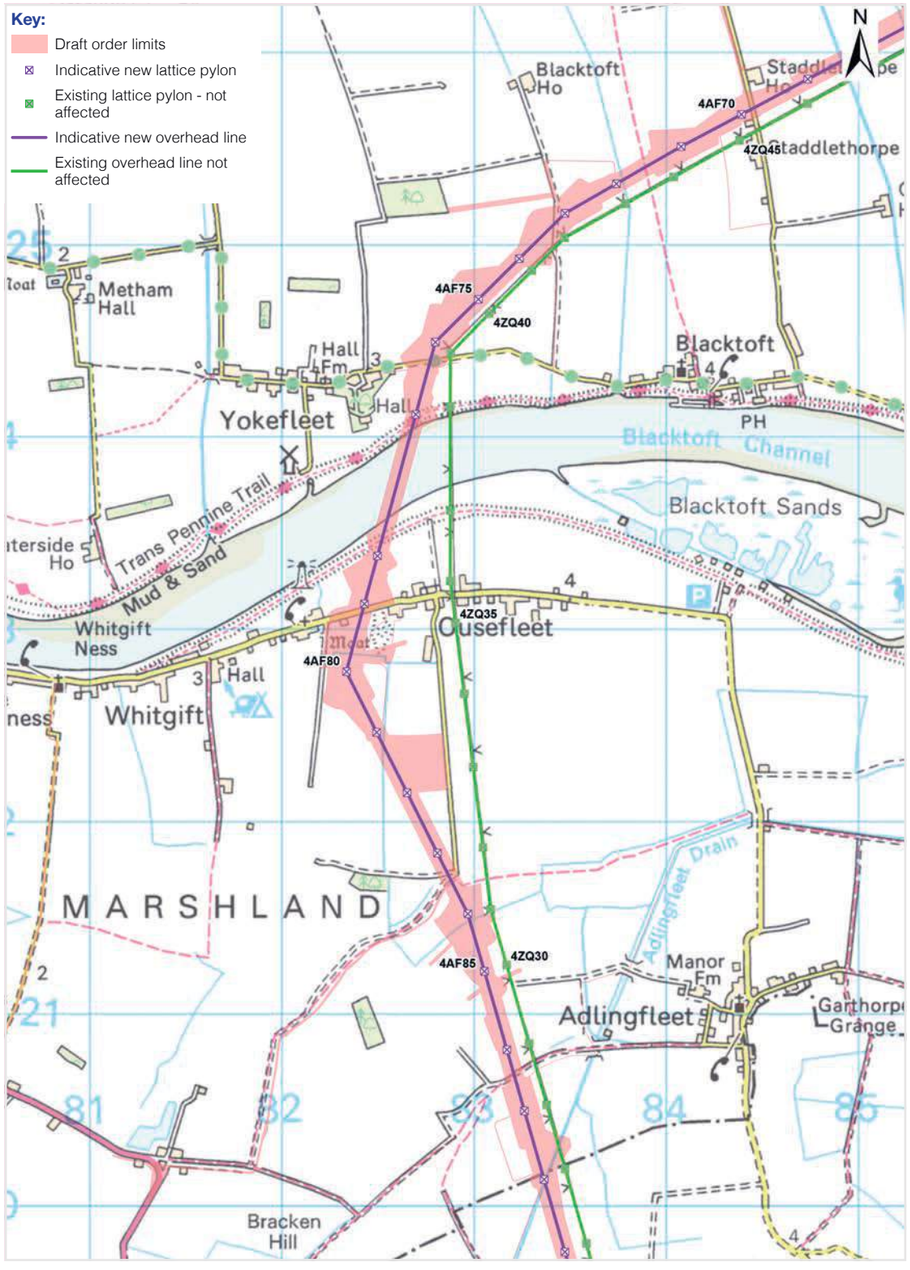
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Q3. Do you have any comments on the following within this Route section?

- preferred alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 4 – River Ouse crossing

Please refer to page 33 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred route alignment.



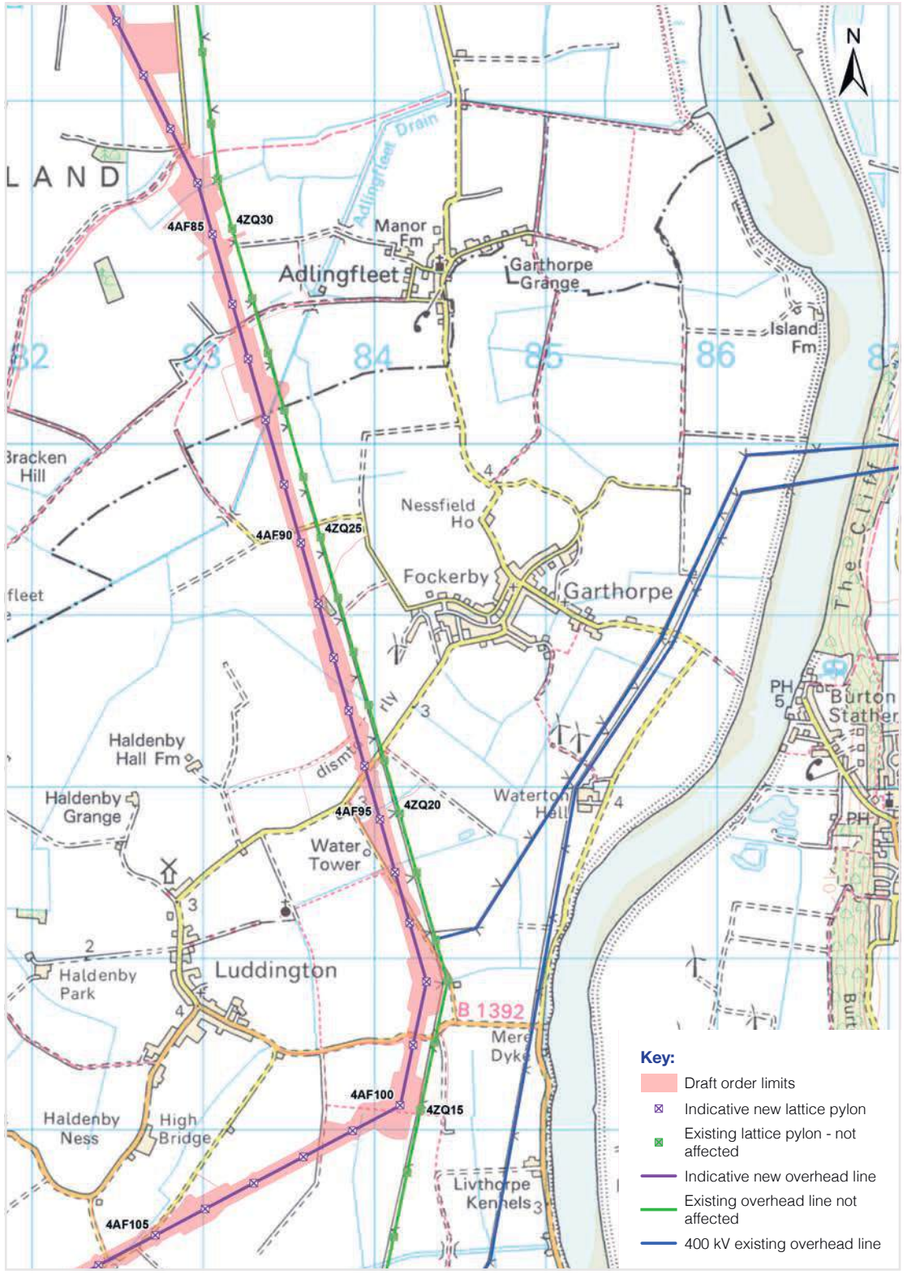
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Q4. Do you have any comments on the following within this Route section?

- preferred route alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 5 – River Ouse crossing to Luddington

Please refer to page 34 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred route alignment.



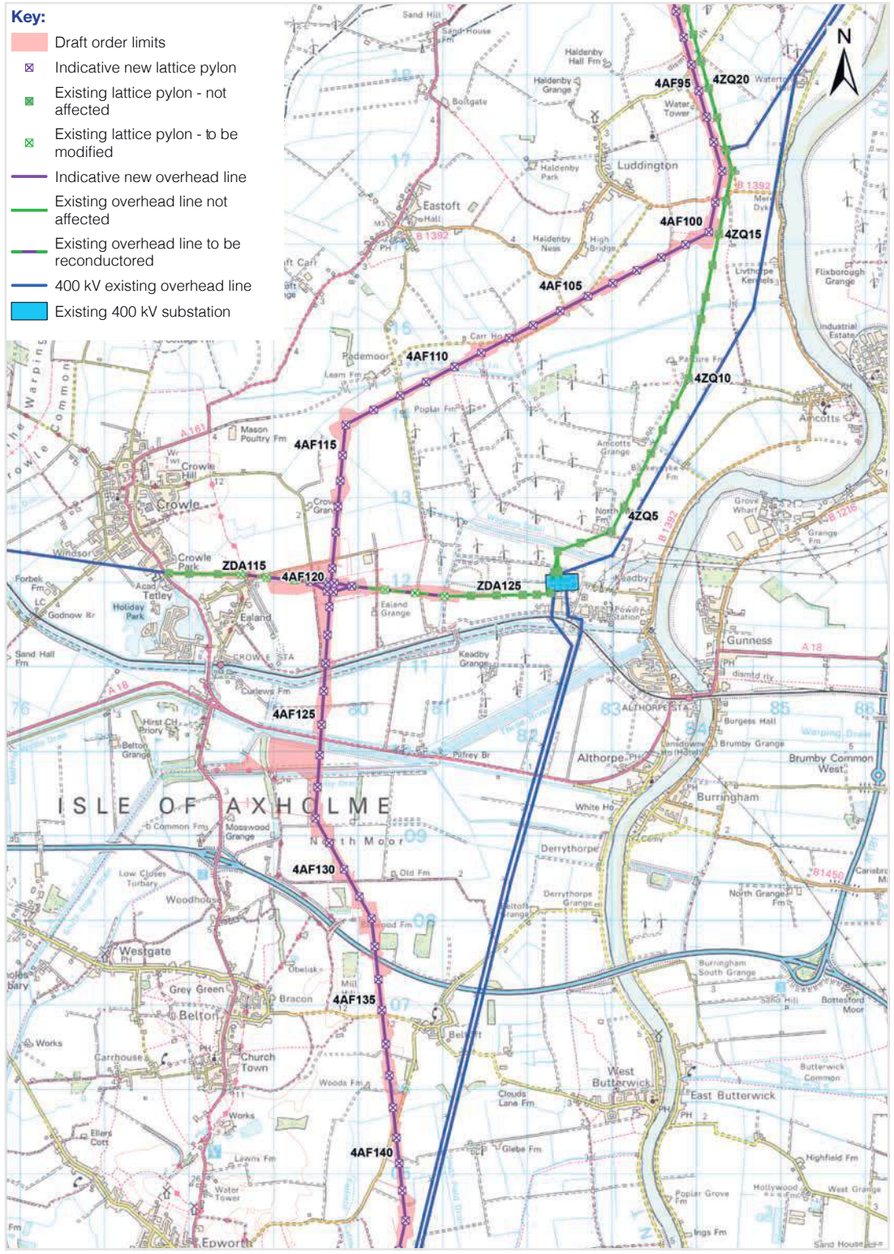
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Q5. Do you have any comments on the following within this Route section?

- preferred route alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 6 – Luddington to M180 motorway

Please refer to page 36 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred route alignment.



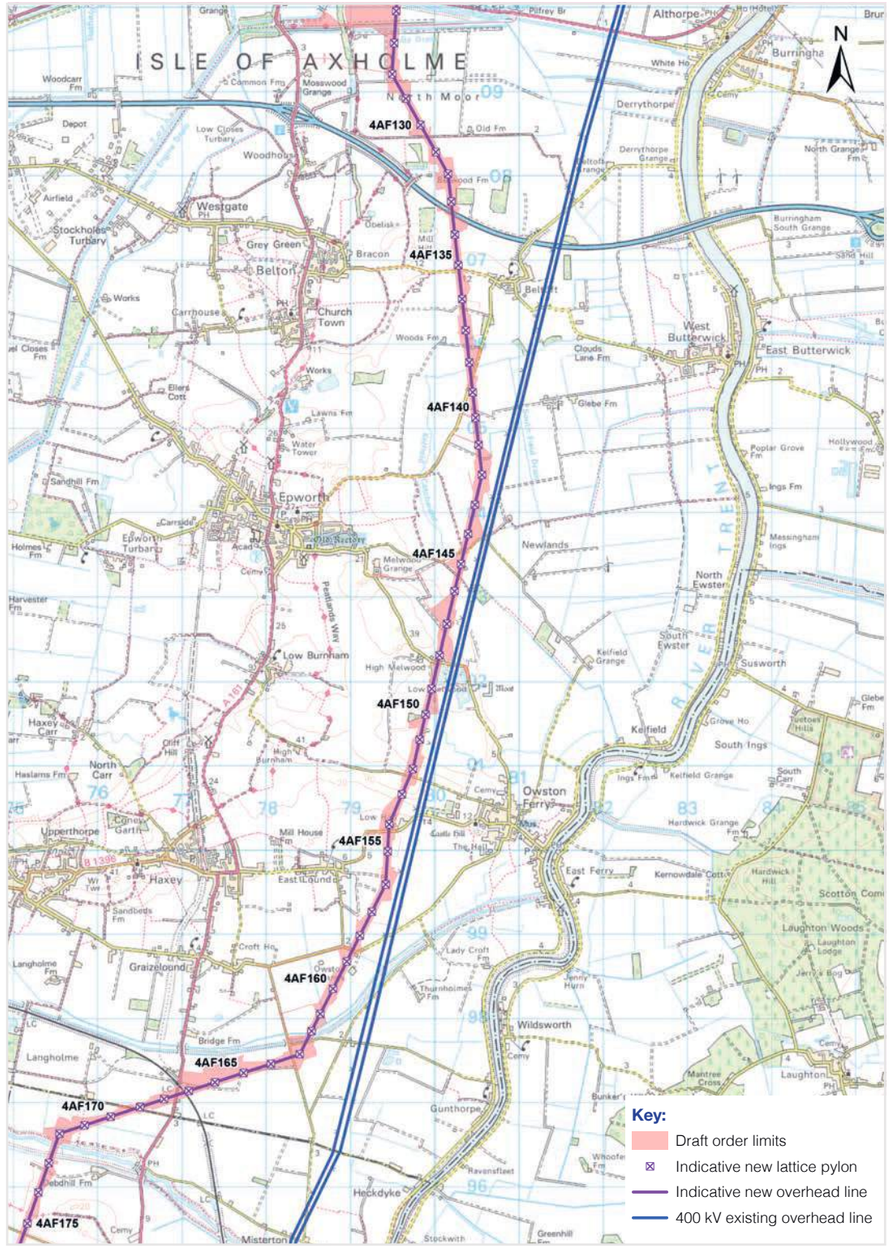
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Q6. Do you have any comments on the following within this Route section?

- preferred route alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- our proposals for crossing the existing overhead line from Keadby substation
- the Preliminary environmental information report
- changes we have made to the project in this Route section since the 2023 non-statutory consultation. Please see page 37 of the Project background document for more information on the changes
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 7 – M180 motorway to Graizelound

Please refer to page 38 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred route alignment.



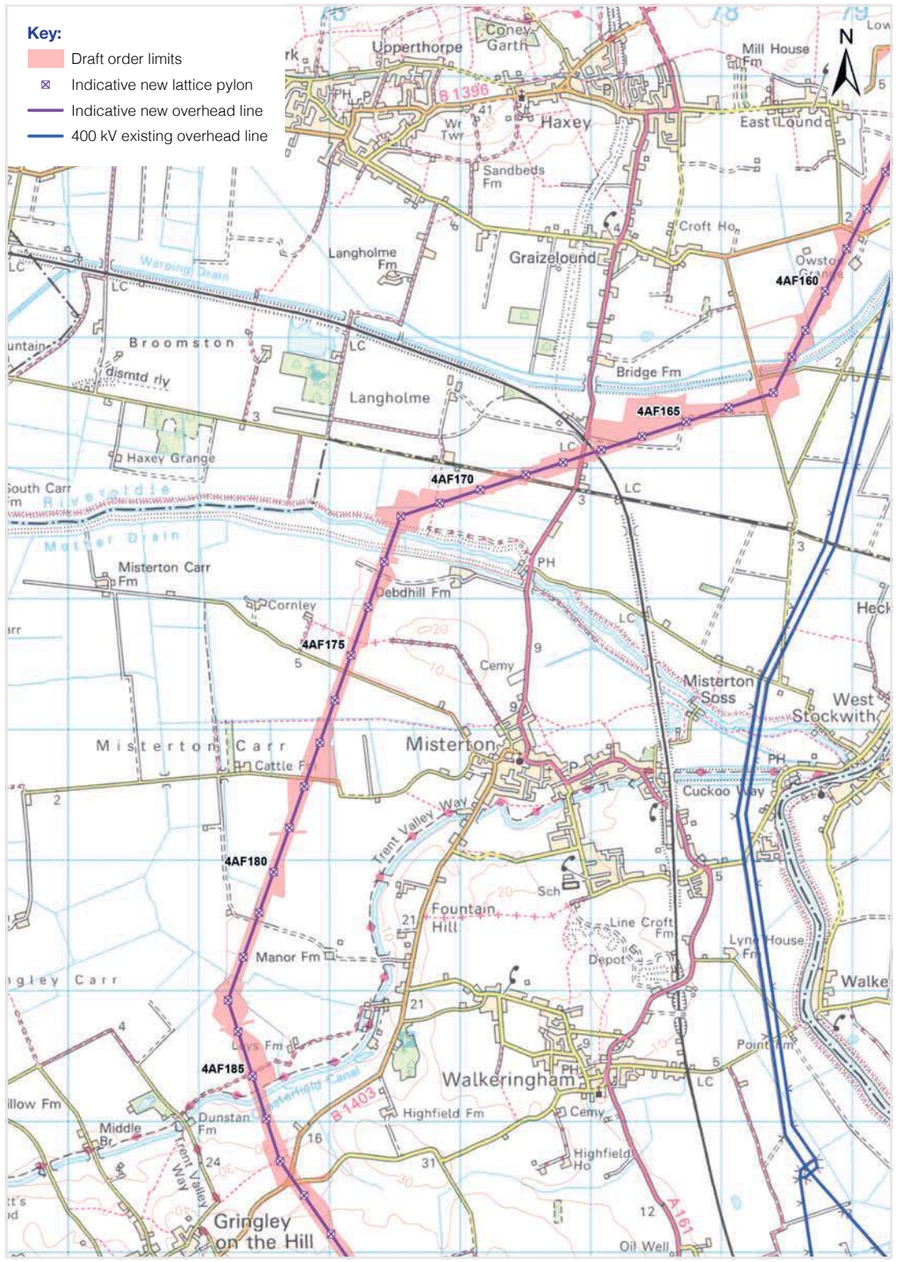
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Q7. Do you have any comments on the following within this Route section?

- preferred route alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 8 – Graizelound to Chesterfield Canal

Please refer to page 39 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred route alignment.



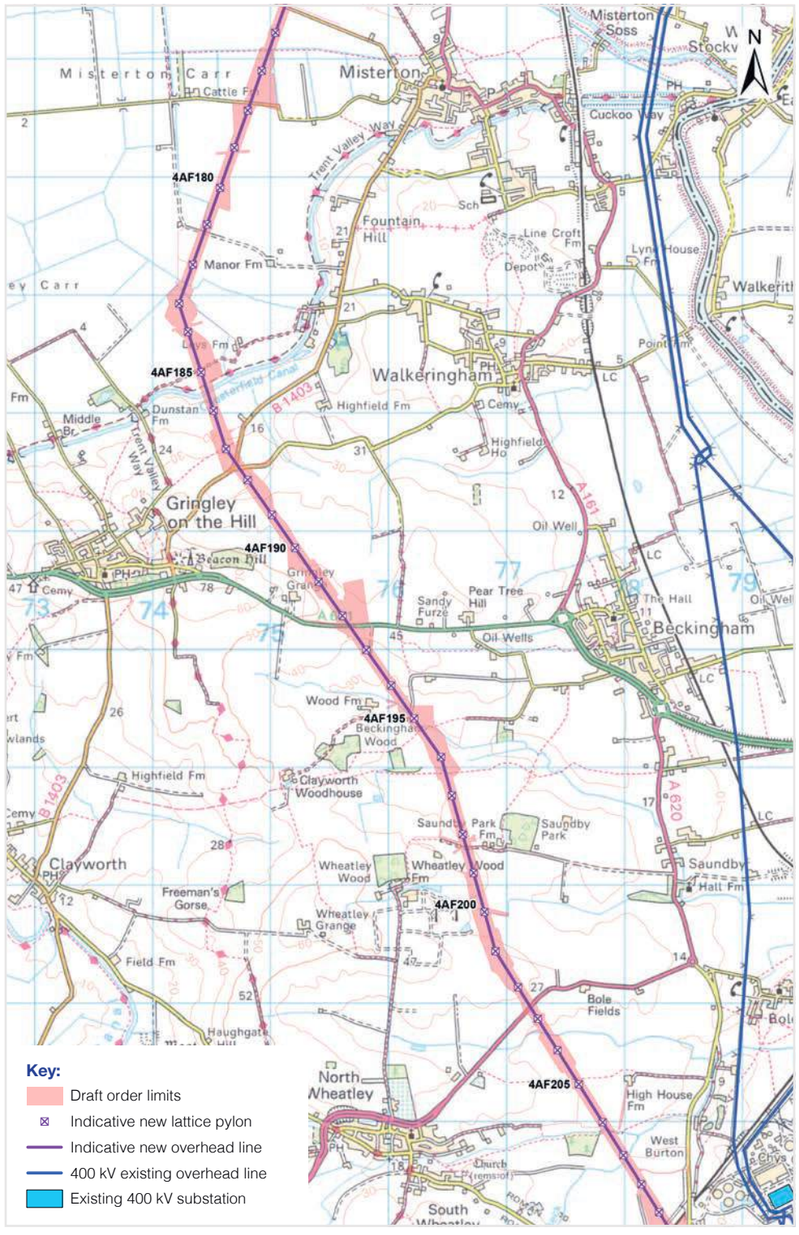
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Q8. Do you have any comments on the following within this Route section?

- preferred route alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- change made within the project area since the 2023 non-statutory consultation. Please see page 40 of the Project background document on the changes
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 9 – Chesterfield Canal to A620 east of North Wheatley

Please refer to page 40 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this Route section, including how we selected our preferred route alignment.



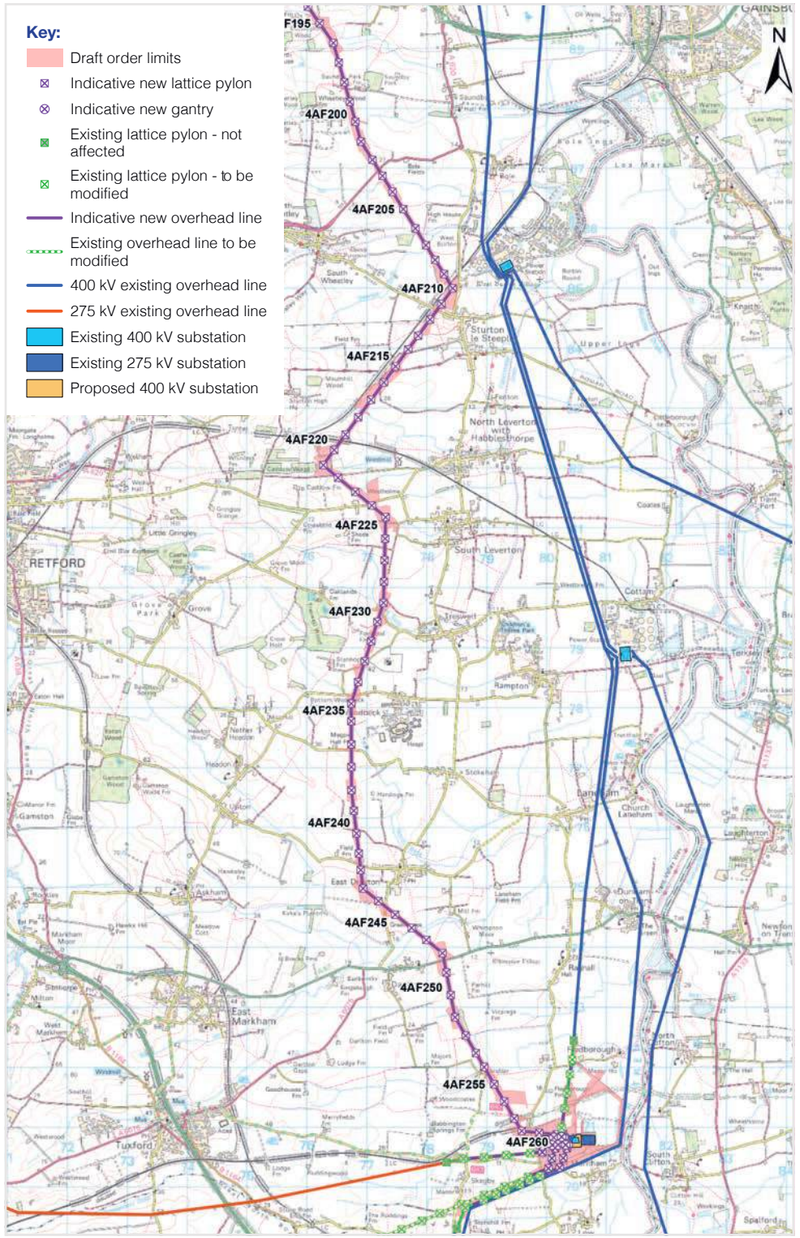
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Q9. Do you have any comments on the following within this Route section?

- preferred route alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- changes made within the project area since the 2023 non-statutory consultation. Please see page 40 of the Project background document on the changes
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 10 – A620 east of North Wheatley to Fledborough

Please refer to page 41 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this route section, including how we selected our preferred route alignment



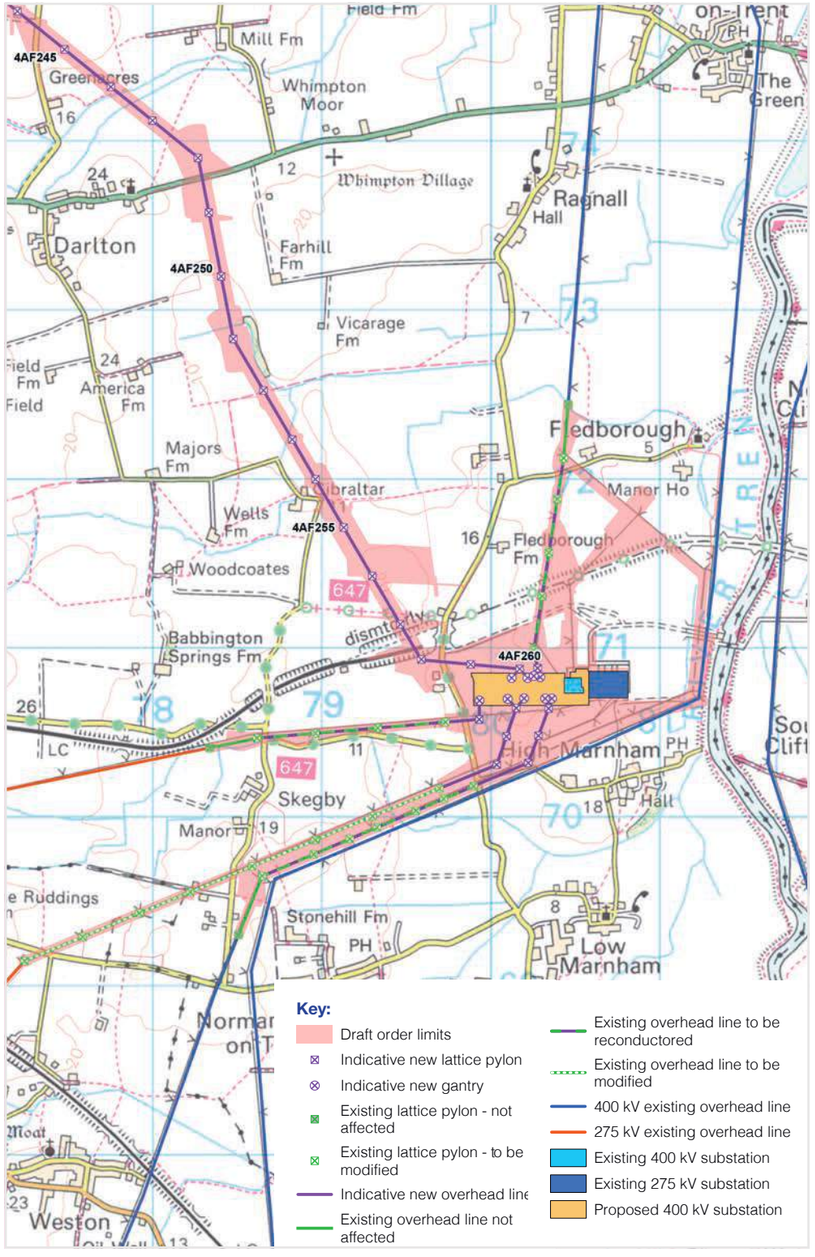
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Q10. Do you have any comments on the following within this Route section?

- our preferred alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- changes we have made to the project in this area since the 2023 non-statutory consultation. Please see page 41 of the Project background document for more information on the changes
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Route section 11 – Fledborough to High Marnham

Please refer to page 42 of the Project background document, Chapter 7 of the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals in this section, including how we selected our preferred route alignment



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Q11. Do you have any comments on the following within this Route section?

- preferred route alignment
- proposed pylon locations (if you would like to comment on specific pylon locations, please refer to the numbering in the project maps / project area maps, Design development report and the interactive project map, which can be found at **nationalgrid.com/nh-hm**)
- our proposals for construction, including temporary and permanent access roads and tracks, compounds and associated requirements
- the Preliminary environmental information report
- environmental mitigation and opportunities for biodiversity net gain
- any further comments on our proposals in this Route section?

Pylons

We are proposing standard lattice style pylons for the 400 kV overhead line. Chapter 6 of the Design development report 2025 provides detail on the pylon types considered.

Q12. Do you have any comments on our proposal to take forward a standard lattice pylon or the pylon options considered?

Birkhill Wood substation

The new Birkhill Wood substation is required to enable new sources of electricity to connect into the grid. The new substation would also serve as the connection point for the North Humber to High Marnham project. The proposed Birkhill Wood substation is located approximately 360 m to the east of Birkhill Wood and 400 m to the west of the A1079.

Please refer to pages 24 and 28 of the Project background document, the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals for this substation.

Please provide any feedback that you may wish to make directly to National Grid about the proposed Birkhill Wood substation through this consultation. A separate application for planning permission for the Birkhill Wood substation is also due to be submitted to East Riding of Yorkshire Council. When that planning application has been submitted, East Riding of Yorkshire Council will carry out its own local consultation which you can respond to.

Q13. Do you have any comments on the proposals for the Birkhill Wood substation?

High Marnham substation

The proposed High Marnham substation is located to the west of the former High Marnham Power Station, approximately 0.1 km to the east of Main Street and approximately 1.4 km to the north of Hollowgate Lane.

Please refer to pages 24 and 43 of the Project background document, the Design development report and the Preliminary environmental information report (PEIR) for more information on our proposals for this substation.

Please provide any feedback that you may wish to make directly to National Grid about the proposed High Marnham substation through this consultation. A separate application for planning permission for the High Marnham substation is also due to be submitted to Bassetlaw District Council. When that planning application has been submitted, Bassetlaw District Council will carry out its own local consultation which you can respond to.

Q14. Do you have any comments on the proposals for the High Marnham substation?

Community Benefit

Q15. National Grid believes communities that host new electricity transmission infrastructure should benefit from doing so. We want to deliver programmes that support the local community and wider region, and deliver social, economic and environmental improvements. Do you have any suggestions you would like to share?

General considerations

Q16. Is there anything else you would like us to consider as we develop our proposals? Please provide details below.



Net zero

The North Humber to High Marnham project will support the UK's net zero targets by reinforcing the electricity transmission network between the north of England and the Midlands, facilitating the connection of more renewable and low carbon electricity to allow clean, green energy to be carried around the network.

The next few questions ask for your views on net zero. If you choose to answer them, we will only use your responses in aggregated and anonymised form as part of consultation feedback reports and summary leaflets. We will not use your answers to target you with any political or other messaging.

Q17. Given the goal to deliver net zero carbon emissions in the UK by 2050 and the need to facilitate the connection of new renewable generation in the region, to what extent do you agree with the identified need for North Humber to High Marnham? (as described on pages 16 to 21 of the Project background document).

- ☐ Strongly agree
- ☐ Agree
- ☐ Neither agree nor disagree
- ☐ Disagree
- ☐ Strongly disagree
- ☐ Unsure

Q18. Please use this space, if you wish, to explain the reasons for your answer. Please do not provide details which may reveal any political affiliation(s) you may have.

Q19. How concerned are you about the following?

	Very concerned	Concerned	Neutral	Not that concerned	Not at all concerned
The effect of climate change/ global warming on your life.	☐	☐	☐	☐	☐
The effect of climate change/ global warming on the lives of future generations.	☐	☐	☐	☐	☐

Q20. How much do you agree or disagree with the following statements?

	Strongly agree	Agree	Neither agree nor disagree	Disagree	Strongly disagree	Unsure
The UK meeting its target of net zero carbon emissions by 2050 is important to you.	☐	☐	☐	☐	☐	☐
With the growth of renewable energy generation and interconnection in the north of England and the Midlands, reinforcing the network to transport this energy to where it is needed most is important.	☐	☐	☐	☐	☐	☐
Having domestic energy sources and the associated infrastructure will help increase the UK's energy security.	☐	☐	☐	☐	☐	☐
Increasing our domestic renewable energy production and associated infrastructure will make us less reliant on imported oil and gas.	☐	☐	☐	☐	☐	☐

Q21. Please use this space, if you wish, to explain the reasons for your answers.

About you

We would be grateful if you could answer the following, optional, demographic questions. We will use the information we receive to help understand whether our consultation has been useful to people of different backgrounds and requirements, and only in accordance with our data privacy statement, as set out later in this questionnaire.

We may publish a summary of the results, but no information about an individual would be revealed. The answers you provide to some of these questions are defined as 'special category data'. If you agree to provide this information, you can withdraw your permission for us to use it in our reports at any time. To withdraw your permission, please contact us via email at **contact@nh-hm.nationalgrid.com**.

Your contact details

We will only use these details in accordance with our data privacy statement, as set out later in this questionnaire, including to contact you and update you on the proposals. You don't have to fill in this section.

Title: _____

First name: _____

Surname: _____

Organisation/group (if responding on behalf of an organisation):

_____

Address: _____

_____

_____

Postcode: _____

Email: _____

Q22. How would you describe your interest in the North Humber to High Marnham project?

- ☐ Local resident
- ☐ Local representative (e.g. Councillor, MP)
- ☐ Potentially affected landowner or tenant/occupier (please include your landowner reference number below if known)
- ☐ Local business owner
- ☐ Regular visitor to the area
- ☐ Local interest group member (please specify below)
- ☐ Statutory organisation (please specify below)
- ☐ Other

Please provide further details here if required:

Q23. What is your gender?

- ☐ Male
- ☐ Female
- ☐ Non-binary
- ☐ Prefer not to say

Q24. Do you consider yourself to be a person with a disability?

- ☐ Yes
- ☐ No
- ☐ Prefer not to say

Q25. How would you describe your ethnic background?

- ☐ White English/Welsh/Scottish/Northern Irish/British
- ☐ Irish
- ☐ Gypsy or Irish Traveller
- ☐ Any other White background (please state below)
- ☐ White and Black Caribbean
- ☐ White and Black African
- ☐ White and Asian
- ☐ Any other Mixed or Multiple ethnic background (please state below)
- ☐ Asian/Asian British
- ☐ Indian
- ☐ Pakistani
- ☐ Bangladeshi
- ☐ Chinese
- ☐ Any other Asian background (please state below)
- ☐ Black African
- ☐ Black Caribbean
- ☐ Black British
- ☐ Any other Black/African/Caribbean background (please state below)
- ☐ Arab
- ☐ Any other ethnic group (please state below)
- ☐ Prefer not to say

If other, please state here: _____

Q26. What is your age?

- ☐ Under 16 ☐ 16-24 ☐ 25-34 ☐ 35-44 ☐ 45-54
- ☐ 55-64 ☐ 65+ ☐ Prefer not to say

Data privacy statement

National Grid is committed to protecting your personal information. Whenever you provide such information, we are legally obliged to use it in line with all applicable laws concerning the protection of personal data, including the UK General Data Protection Regulation (GDPR).

How will National Grid use the information we collect about you?

We will use your personal data collected via this consultation for a number of purposes, including:

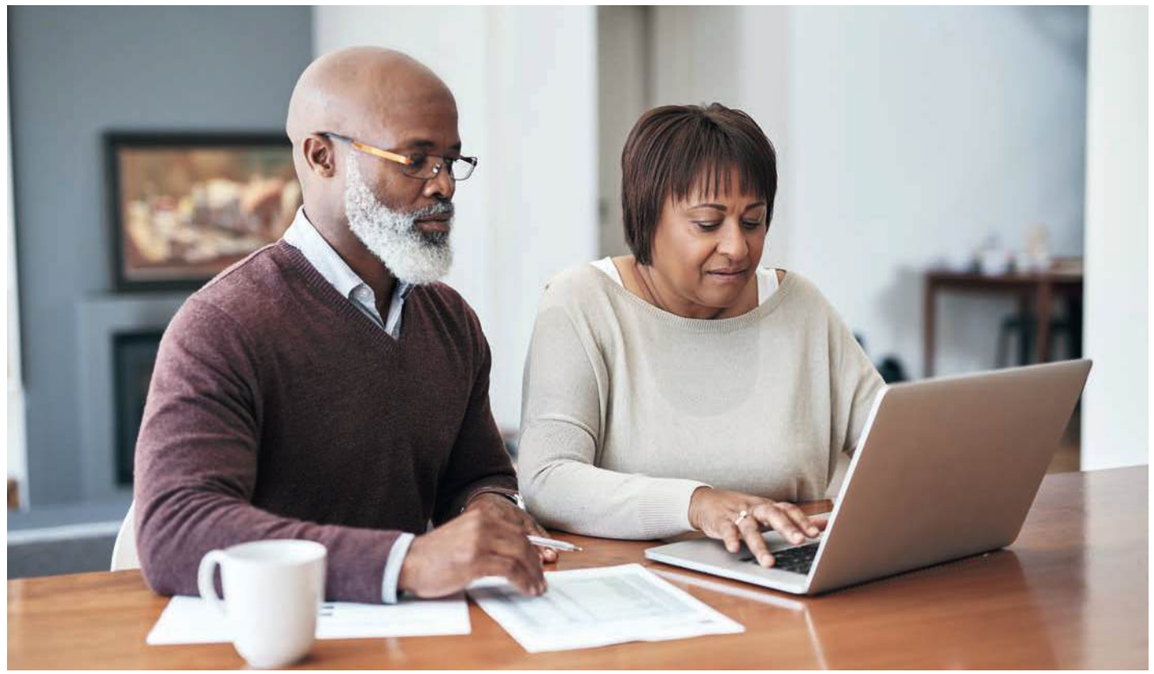
- to analyse your feedback to the consultation
- to produce a Consultation report, based on our analysis of responses (individuals will not be identified in the report)
- to write to you with updates about the results of the consultation and other developments, if you have provided consent for us to do so
- to keep up-to-date records of our communications with individuals and organisations.

Any personal information you include in this questionnaire will be handled and used by (or made available to) the following recipients to record, analyse and report on the feedback we receive:

- National Grid
- the Planning Inspectorate (which will consider our application for consent to build North Humber to High Marnham - any details published as part of this process will be anonymised)
- the Secretary of State (who will take the decision on our application)
- our legal advisers
- consultants working on behalf of National Grid.

What rights do I have over my personal data?

Under the terms of the UK GDPR you have certain rights over how your personal data is retained and used by National Grid. For more information, see our full data privacy statement at **nationalgrid.com/privacy-policy**.



Next steps

This consultation closes at **11:59pm on Tuesday 15 April 2025**. We cannot guarantee that responses received after this time will be considered.

How to provide feedback

- complete our questionnaire online at **nationalgrid.com/nh-hm**
- email us your completed questionnaire at **contact@nh-hm.nationalgrid.com**
- return this questionnaire in the freepost envelope provided or by writing to **Freepost NH TO HM**

Each feedback questionnaire is classed as one consultation response. If you are responding on behalf of another person or group of people, please submit separate questionnaires to help us analyse your feedback.

All feedback we receive as part of this consultation will be carefully considered, alongside the outcome of our ongoing technical and environmental assessments as we finalise our proposals and prepare our application for development consent.

Information for landowners and occupiers

If you feel your land may be affected by the proposals, please contact the North Humber to High Marnham Lands team at Dalcour Maclaren by emailing us at **NH-HM@dalcourmaclaren.com** or by calling us on **0333 188 3511**.

Alternatively, you can write to the North Humber to High Marnham Lands team at **Dalcour Maclaren, Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU**.

Further comments

Please provide any further comments you may have.

Contact us

Please get in touch if you have any questions about our proposals for North Humber to High Marnham:

Call us: **0808 189 1346** (lines are open Monday to Friday, 9am–5:30pm)

Email us: **contact@nh-hm.nationalgrid.com**

Write to us: **Freepost NH TO HM** (no stamp required)



National Grid plc
National Grid House
Warwick Technology Park
Gallows Hill
Warwick CV34 6DA
United Kingdom

nationalgrid.com

February 2025. Cavendish.

H.9 Consultation Poster



The Great Grid Upgrade

North Humber to High Marnham

Have your say

National Grid would like to hear your views on our proposals for North Humber to High Marnham, a proposed new high voltage electricity transmission line running between a new substation at Birkhill Wood in East Riding of Yorkshire and a new substation at High Marnham in Nottinghamshire.

Our statutory consultation launched on Tuesday 18 February and ends on **Tuesday 15 April 2025**. You can give your feedback on our proposals in the following ways:

Online feedback questionnaire

The quickest way to give your feedback is by completing our online feedback questionnaire, available at **nationalgrid.com/nh-hm**

Email us

If you prefer to send us your comments via email, you can send them to **contact@nh-hm.nationalgrid.com**

Write to us

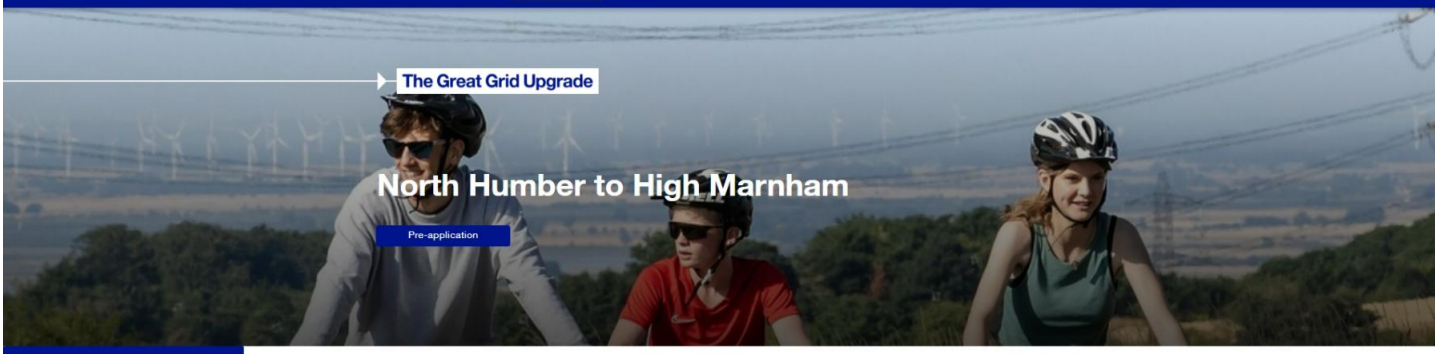
Pick up a paper feedback questionnaire from a local information point (a list of locations is available on our website), request one by phone or print one off from our website and send it or a letter to us at Freepost NH TO HM

Find out more

To help you understand the proposals, you can view the summary and technical documents produced for this consultation on our website by scanning the QR code or visiting **nationalgrid.com/nh-hm**. Paper copies of key materials are also available from local information points or by post upon request.

nationalgrid

H.10 Project Website (screenshots)



The Great Grid Upgrade

North Humber to High Marnham

Pre-application

February 2025 update

Following our non-statutory consultation in Summer 2023 and localised non-statutory consultation in summer 2024, we are now sharing our developed proposals for North Humber to High Marnham and seeking your feedback through a statutory consultation.

On this website you can find out more about our proposals and download copies of our consultation materials from our Document library. We are also holding a series of in-person events and webinars where you can hear more about our plans from members of our team, which you can find details of on our Have your say page.

To find out more about the project and our consultation, visit the **Our proposals** page.

About North Humber to High Marnham

National Grid Electricity Transmission is proposing to reinforce the electricity transmission network between the north of England and the Midlands by building a new 400 kilovolt (kV) electricity transmission connection between two proposed substations at Birkhill Wood and High Marnham.

The proposed reinforcement is required to increase the capability of the electricity transmission network between the north of England and the Midlands. It is also needed to facilitate the connection of proposed new offshore wind farms that are planned in the area.

You can read more about our proposals here, or view them on our Interactive map.

Why is this happening?

With growing offshore wind generation and increased interconnection, an anticipated tripling of wind generation connected across the Scottish networks by 2030, and the Government's ambition to connect 50 GW of offshore wind by 2030, north-south power flows are set to increase. If all the proposed new offshore wind that is planned to connect into the Creyke Beck area gets built, this would amount to just over 13 gigawatts (GW) of generation capacity by the early 2030s.

The existing network serving the Creyke Beck area can export just under 7 GW of electricity while remaining compliant with the Security and quality of supply standards to which the network is operated. The network as it is today would therefore not have the capacity needed to export the significant forecast increase in contracted generation out of the area, or to accommodate the north-south power flows that are expected. Because of this, we need to increase the capability of the transmission network between the north of England and the Midlands.

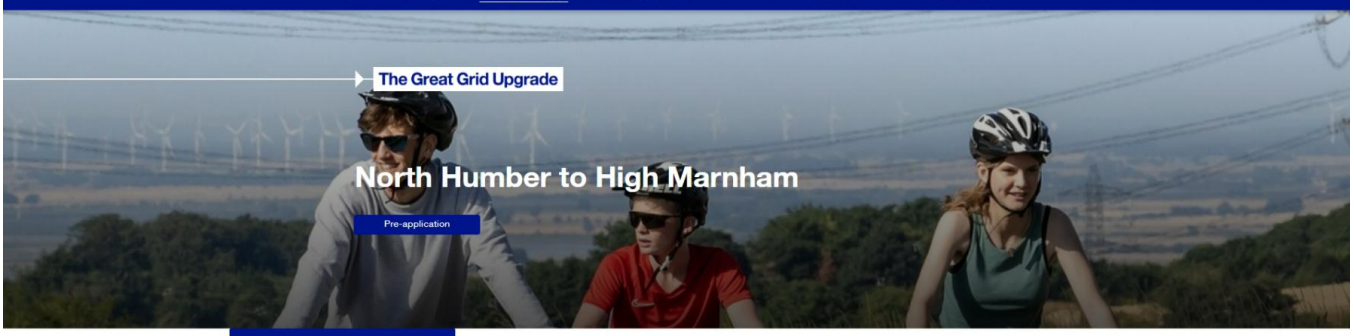
Project programme

- Non-statutory consultation: June – July 2023
- Localised non-statutory consultation: July – August 2024
- Statutory consultation: February – April 2025
- DCO submission: Summer 2026
- Start of construction (if approved): From 2028
- Fully operational: From 2031
- Reinstatement works complete: From 2033

Contact the team

If you have any questions or comments about North Humber to High Marnham, please get in touch by emailing contact@nh-hm.nationalgrid.com, by calling 0808 189 1346, or by writing to Freepost NH TO HM.

If you are a landowner and believe your property may be affected by our proposals, to speak to our Lands team you can email NH-HM@dalcourmaclaren.com, call 0333 188 3511 or write to Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU.



The Great Grid Upgrade

North Humber to High Marnham

Pre-application

Between 18 February and 15 April 2025, National Grid is seeking your feedback on our developed proposals to to build a new high voltage electricity transmission line between North Humber and High Marnham.

The new line would have an overall length of approximately 90 kilometres (km) and would run between two proposed new substations: one to the north of Hull at Creyke Beck in the East Riding of Yorkshire (Birkhill Wood), and one at High Marnham in Nottinghamshire.

A full summary of our proposals is as follows:

- approximately 90 km of new 400 kilovolt (kV) overhead line between the new Birkhill Wood and High Marnham 400 kV substations
- replacement and realignment of a section of the existing 400 kV overhead line route between Brantingham and east of Broomfleet
- replacement and realignment of a section of the existing 400 kV overhead line route between Ealand and west of Keadby
- a new 400 kV Birkhill Wood gas insulated switchgear[1] substation with a new permanent access
- replacement and realignment of a section of existing 400 kV overhead line to connect the new Birkhill Wood substation
- a new 400 kV High Marnham air insulated switchgear[1] substation with new permanent access
- replacement and realignment of sections of two existing 275 kV overhead lines and two 400 kV overhead lines, to allow for connection into the new High Marnham substation
- other required works, such as temporary diversions for works on existing overhead line routes, temporary access roads, highway works, temporary works compounds, work sites, utility diversions, drainage works and ancillary works
- environmental mitigation, compensation and enhancement works, including for biodiversity net gain.

1 There are primarily two different types of substation - one uses air to insulate the electrical components (air insulated switchgear) and the other uses gas to insulate the electrical components (gas insulated switchgear). The decision on which type of substation we construct depends on several factors including availability of space, potential environmental impacts, cost, safety and maintenance requirements.

You can view the proposals on our interactive map by following the link below. To learn more about the detail of what's being proposed in your area, please see the 'Our proposals' chapter of the Project background document, which is available to download from our Document library.

Interactive map

What's happened so far?

Since the close of our non-statutory (June to July 2023) and localised non-statutory (July to August 2024) consultations, we have reviewed and carefully considered the feedback we received alongside the outcome of technical and environmental studies.

This has been used to inform the development of our preferred route alignment and proposed pylon positions, and has resulted in several changes to our proposals.

We are now seeking your feedback on our updated proposals, including where the new infrastructure could be built and what you would like us to consider as we further develop our proposals.

Proposed substations

The project would need to connect to two new substations – one at Creyke Beck in Cottingham, (known as Birkhill Wood substation) in the East Riding of Yorkshire and a new substation at High Marnham in Nottinghamshire (part of a project called 'Brinsworth to High Marnham').

Planning permission for these new 400 kV substations needs to be obtained from the relevant local planning authorities under the Town and Country Planning Act 1990. Separate public consultations have been held for each of these projects.

Consultation on proposals for a new gas insulated switchgear substation located approximately 700 metres to the north of the existing Creyke Beck substation was held in July 2023. A planning application is being submitted to East Riding of Yorkshire Council for the new Birkhill Wood substation in 2025. You can read more about the proposed new Birkhill Wood substation, previous consultation and latest updates on their project website here.

Consultation on the proposals for a new air insulated switchgear substation at High Marnham, Nottinghamshire, took place in April and May 2024 as part of a project called Brinsworth to High Marnham. A planning application will be submitted to Bassetlaw District Council for the new High Marnham substation in 2025. You can read more about the proposed new High Marnham substation, previous consultation on Brinsworth to High Marnham and latest updates on their project website here.

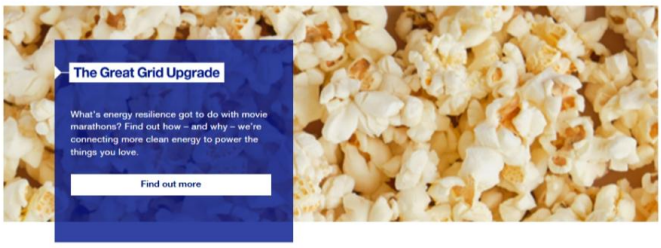
While the new substations did not form part of our proposals for North Humber to High Marnham during our non-statutory consultation, we have made the decision to include both substations within the statutory consultation for the North Humber to High Marnham project. This approach allows National Grid to demonstrate that the project can be delivered and that it can connect to the national transmission network.

The inclusion of the substations within the North Humber to High Marnham project does not change our intention to continue to progress with the separate planning applications for each substation, and it does not affect our continuing discussions and negotiations with relevant landowners and interested parties. We are committed to, and fully intend to pursue and deliver, the substations in line with relevant planning permissions and land agreements.

Contact the team

If you have any questions or comments about North Humber to High Marnham, please get in touch by emailing contact@nh-hm.nationalgrid.com, by calling 0808 189 1346, or by writing to Freepost NH TO HM.

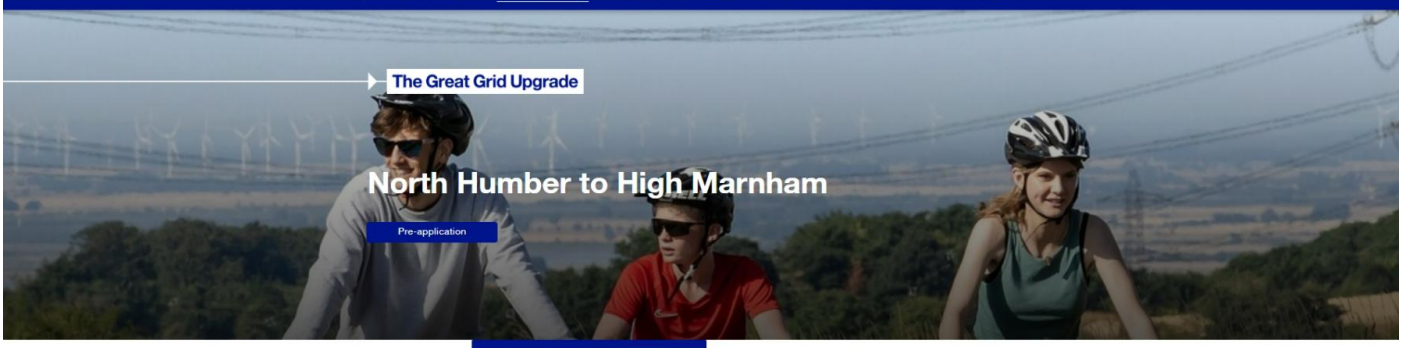
If you are a landowner and believe your property may be affected by our proposals, to speak to our Lands team you can email NH-HM@dalcourmaclaren.com, call 0333 188 3511 or write to Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU.



The Great Grid Upgrade

What's energy resilience got to do with movie marathons? Find out how – and why – we're connecting more clean energy to power the things you love.

Find out more



The Great Grid Upgrade

North Humber to High Marnham

Pre-application

On this page you can find all the materials we have produced for current and historic consultations on North Humber to High Marnham, including the information published as part of our ongoing statutory consultation. These documents will also be available to view in-person at our public information events and at local information points across the project area - for more information see our Have your say page (linked above).

2025 statutory consultation documents
2025 statutory consultation plans
2025 statutory consultation Preliminary environmental information report
2025 statutory consultation typical design drawings
2025 statutory consultation fly-through videos
2025 statutory consultation construction animations
Project updates
2024 localised consultation documents
2024 localised consultation plans
2023 non-statutory consultation documents
2023 non-statutory consultation plans

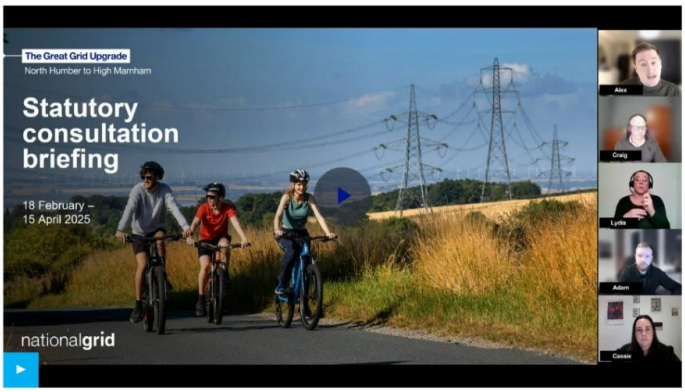
2025 statutory consultation documents

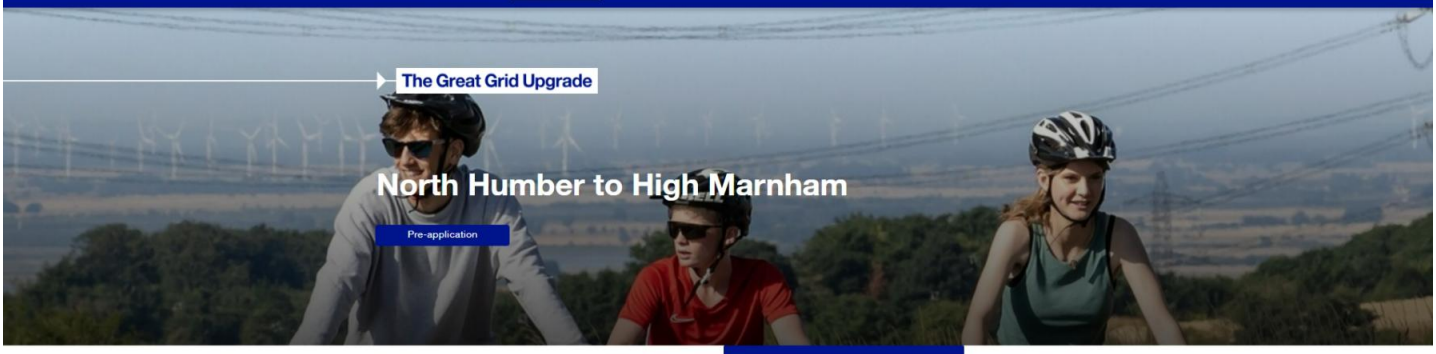
In this section you can view the key documents published as part of our statutory consultation. We encourage you to provide feedback after reading our Project background document, which outlines our proposals and early environmental studies. More detailed information, including preliminary environmental information, can be found using the menu at the side of the page.

A printable copy of the Feedback questionnaire is available to download from this page. You can also submit your feedback online.

- Project background document
- Feedback questionnaire
- Community newsletter
- Non-technical summary of the Preliminary environmental information report
- Non-technical summary of the Preliminary environmental information report - Figures
- Consultation banners
- Strategic options report update
- Design development report
- Statement of community consultation
- Non-statutory consultation feedback report
- Section 47 notice
- Section 48 notice
- Advertising poster

Consultation webinar





On this page you'll find answers to some of the most frequently asked questions about North Humber to High Marnham.

About the project

- What is North Humber to High Marnham?
- Why do we need to upgrade the electricity network in this area?
- What's happened on the project so far?
- What's happening on the project now?
- How have you used the feedback received during the non-statutory consultations?
- I am a potentially impacted landowner/occupier - how can I find out more information?

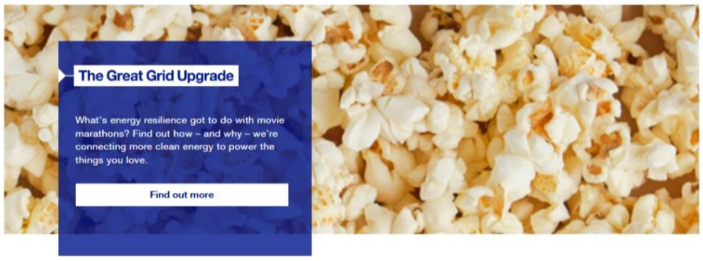
About National Grid

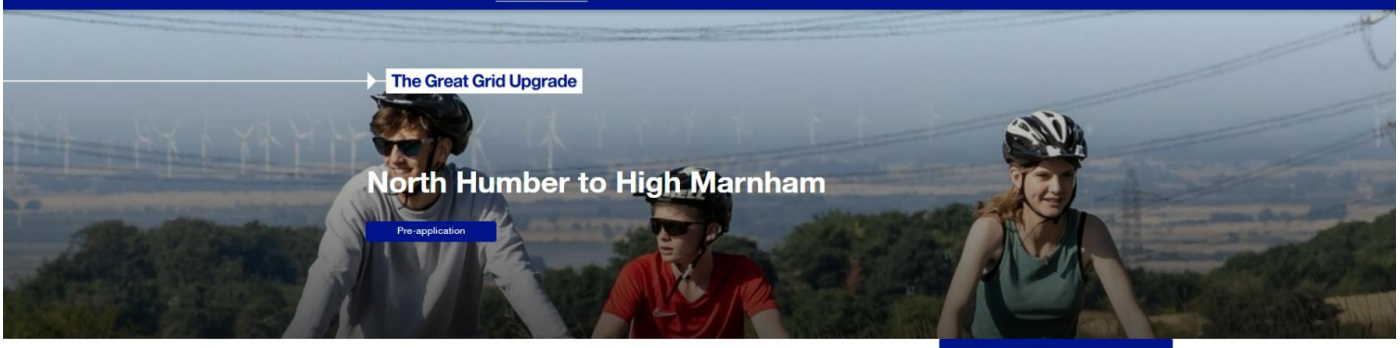
- Who is National Grid?
- Who is National Grid Electricity Transmission?
- Who is National Grid Strategic Infrastructure?

Contact the team

If you have any questions or comments about North Humber to High Marnham, please get in touch by emailing **contact@nh-hm.nationalgrid.com**, by calling 0808 189 1346, or by writing to Freepost NH TO HM.

If you are a landowner and believe your property may be affected by our proposals, to speak to our Lands team you can email NH-HM@dalcourmaclaren.com, call 0333 188 3511 or write to Unit 1, Staplehurst Farm, Weston on the Green, OX25 3QU.





The Great Grid Upgrade

North Humber to High Marnham

Pre-application

You can find all the documents we have published as part of the statutory consultation by visiting our Document library (linked above). We are also holding in-person public information events and webinars where you can learn more about our proposals, and paper copies of key consultation materials are available at local information points along the project route. Details of our public information events, webinars and local information points can all be found on this page.

The easiest way to give your feedback on our plans is by completing our online feedback questionnaire:

Give feedback

You can also give your feedback by:

- emailing your comments to **contact@nh-hm.nationalgrid.com**
- completing a paper feedback questionnaire or sending a letter to **Freepost NH TO HM.**

Your comments must be received by 11.59pm on Tuesday 15 April 2025.

Public information events

Throughout the consultation we are holding a series of face-to-face events. At these consultation events we will present information about our proposals and members of the project team will be available to answer your questions about our proposals. You will also be able to view copies of our maps and technical documents.

Date	Time	Venue
Saturday 1 March 2025	11am-4pm	Dunham on Trent Village Hall, Low Street, Dunham, NG22 0FJ
Monday 3 March 2025	1-7pm	Gringley on the Hill Community Centre, W Wells Lane, Gringley on the Hill, DN10 4QY
Tuesday 4 March 2025	1-7pm	North and South Wheatley Village Hall, Sturton Road, South Wheatley, DN22 9DL
Monday 10 March 2025	1-7pm	Crowle Community Hall, Woodland Avenue, Crowle, DN17 4LL
Friday 14 March 2025	1-7pm	All Saints Community Centre, Church Hill, South Cave, HU15 2EU
Saturday 15 March 2025	11am-4pm	Gilberdyke Memorial Hall, 11 Clementhorpe Road, Gilberdyke, HU15 2UB
Wednesday 19 March 2025	1-7pm	Garthorpe Village Hall, Shore Road, Garthorpe, DN17 4AD
Friday 21 March 2025	1-7pm	Epworth Imperial Hall, Chapel Street, Epworth, DN9 1HJ
Wednesday 26 March 2025	1-7pm	Cottingham Civic Hall, Market Green, Cottingham, HU16 5QF

Webinars

At each online webinar session, we will present our proposals and hold an open question and answer session. Two of the webinars will provide a general overview of our proposals, whilst the remaining four webinars will focus on different geographic sections of the Project. You can register to attend a webinar by following the links below:

Date	Time	Topic	
Tuesday 25 February 2025	6:30-7:30pm	General – Overview of the proposals	Register here
Thursday 6 March 2025	6:30-7:30pm	Route sections 1, 2 and 3	Register here
Tuesday 11 March 2025	6:30-7:30pm	Route sections 4, 5, 6 and 7	Register here
Thursday 13 March 2025	6:30-7:30pm	Route sections 8 and 9	Register here
Tuesday 18 March 2025	6:30-7:30pm	Route sections 10 and 11	Register here
Thursday 27 March 2025	2-3pm	General – Overview of the proposals	Register here

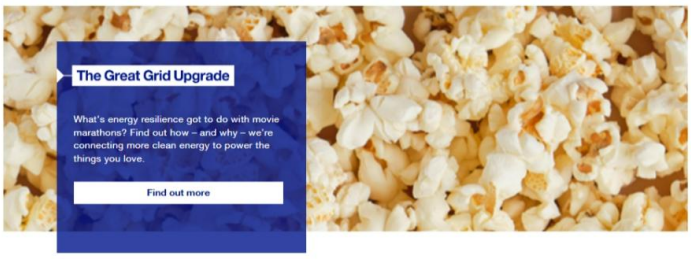
Local information points

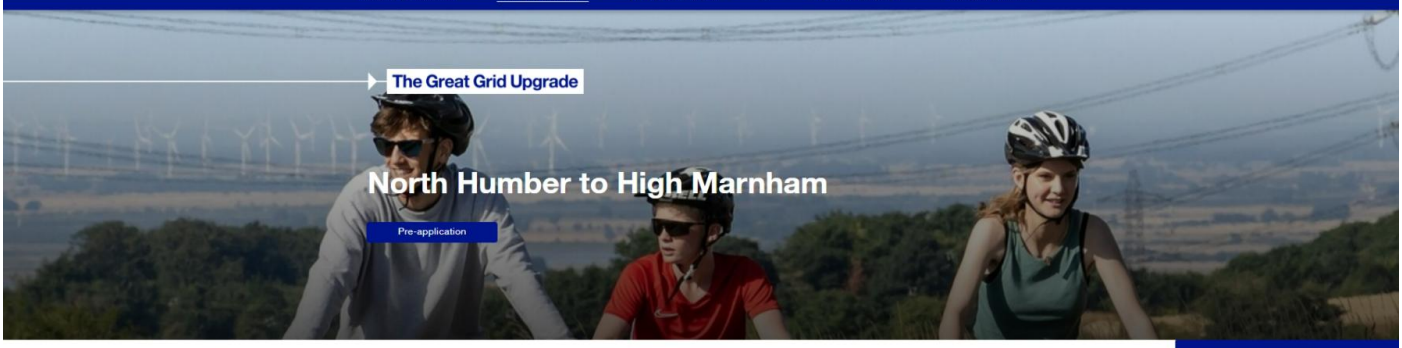
Paper copies of key consultation materials (the Project background document, Consultation newsletter and Feedback questionnaire) are available to take away from the below locations. Reference copies of the Statement of community consultation and Non-technical summary of the PEIR, along with USB sticks containing a digital copy of the PEIR, are also available at these locations.

Please check with the relevant venue for the most up-to-date opening times.

Location	Opening hours
Beverley Library, Champney Treasure House, Champney Road, Beverley, HU17 8HE	Monday: 9:30am-4:30pm Tuesday: 9:30am-6:30pm Wednesday: 9:30am-4:30pm Thursday: Closed Friday: 9:30am-4:30pm Saturday: 9am-4pm Sunday: Closed
South Cave Library, 97 Church Street, South Cave, HU15 2EP	Monday: Closed Tuesday: 2-5pm Wednesday: Closed Thursday: 2-7pm Friday: Closed Saturday: 10am-12pm Sunday: Closed
Goole Library, Carlisle Street, Goole, DN14 5DS	Monday: 9:30am-7pm Tuesday: 9:30am-5pm Wednesday: 9:30am-7pm Thursday: 9:30am-5pm Friday: 9:30am-5pm Saturday: 9am-4pm Sunday: Closed
Cottingham Library and Customer Service Centre, Market Green, Cottingham, HU16 5QG	Monday: 9:30am-4:30pm Tuesday: 9:30am-4:30pm Wednesday: Closed Thursday: 9:30am-6:30pm Friday: 9:30am-1pm Saturday: 9:30am-12:30pm Sunday: Closed
Crowle Library, The Market Hall, Crowle, DN17 4LA	Monday: 9am-12:30pm and 1-5pm Tuesday: 9am-12:30pm and 1-5pm Wednesday: 9am-12:30pm and 1-5pm Thursday: 9am-12:30pm and 1-5pm Friday: 9am-12:30pm and 1-5pm Saturday: 9am-12pm Sunday: Closed
Haxey Library, The Memorial Hall, Haxey, DN9 2HH	Monday: 2-5pm Tuesday: 9am-12pm Wednesday: Closed Thursday: 2-4pm Friday: 9am-12pm Saturday: 10am-1pm Sunday: Closed
Misterton Library, High Street, Misterton, DN10 4BU	Monday: Closed Tuesday: 2-5pm Wednesday: 2-5pm Thursday: 2-5pm Friday: Closed Saturday: 9:30am-12:30pm Sunday: Closed
Retford Library, Churchgate, Retford, DN22 6PE	Monday: 9am-6pm Tuesday: 9am-6pm Wednesday: 9am-6pm Thursday: 9am-6pm Friday: 9am-6pm Saturday: 9am-3:30pm Sunday: Closed
Bassetlaw District Council – Retford Office, 17B The Square, Retford, DN22 6DB*	Monday: 9am-5pm Tuesday: 9am-5pm Wednesday: 9am-5pm Thursday: 9am-5pm Friday: 9am-5pm Saturday: Closed Sunday: Closed
Epworth Library, Live Well Isle of Axholme, Burnham Road, Epworth, DN9 1BZ	Monday: 7am-9pm Tuesday: 7am-9pm Wednesday: 7am-9pm Thursday: 7am-9pm Friday: 7am-9pm Saturday: 9am-4pm Sunday: 12-6pm
Gainsborough Library, Cobden Street, Gainsborough, DN21 2NG	Monday: 9am-5pm Tuesday: 9am-5pm Wednesday: 9am-5pm Thursday: 9am-6pm Friday: 9am-5pm Saturday: 9am-1pm Sunday: Closed
All Saints Parish Church Misterton, High Street, Misterton, DN10 4AL	Monday: 10am-4pm Tuesday: 10am-4pm Wednesday: 10am-4pm Thursday: 10am-4pm Friday: 10am-4pm Saturday: 10am-4pm Sunday: 10am-4pm
Nottinghamshire Mobile Libraries (North Route 11)	To find out when the mobile library is in your area, email ask@inspireculture.co.uk or call 01623 677 200

*Bassetlaw District Council's Retford Office is operating from a temporary location until late-February 2025. For more information, visit the Council's website.



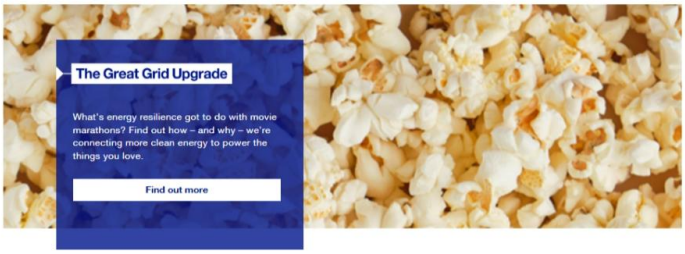


If you're looking to submit your feedback to our statutory consultation, you can do this from the Have your say page (linked above).

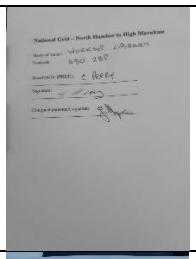
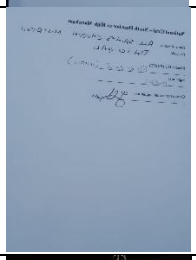
Contact the team

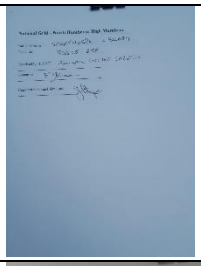
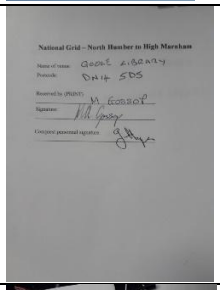
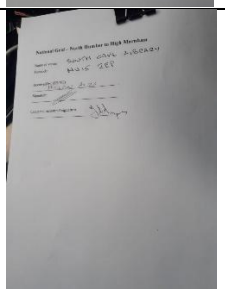
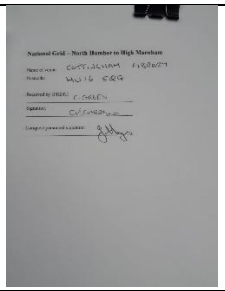
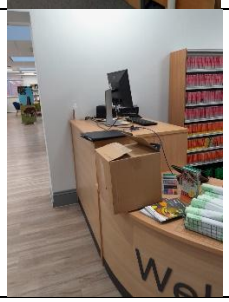
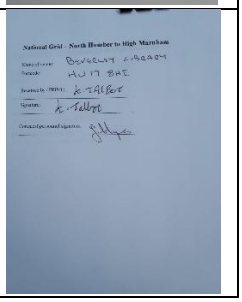
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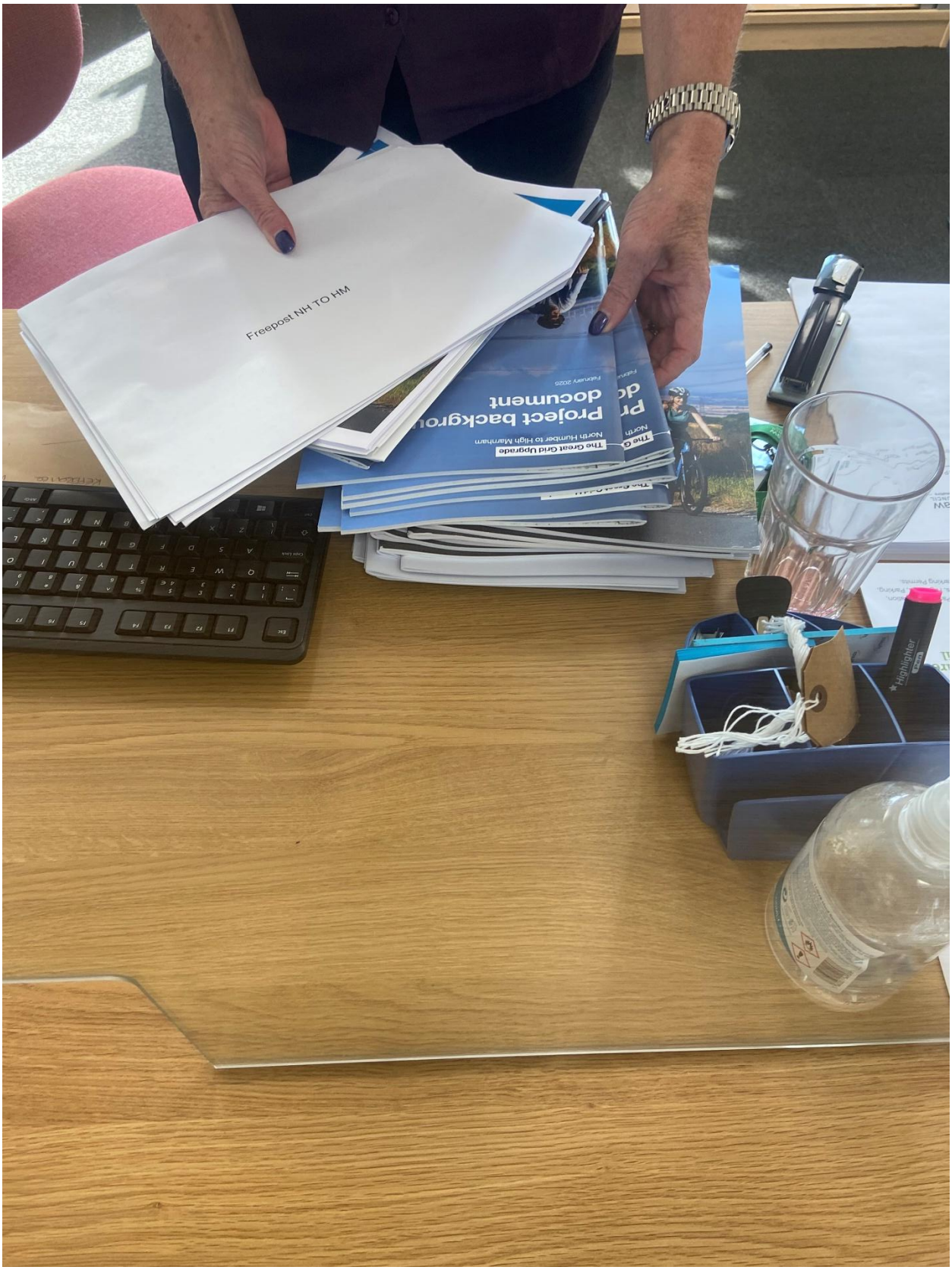


H.11 Hard Copy Consultation Materials in Local Information Points (Photographs)

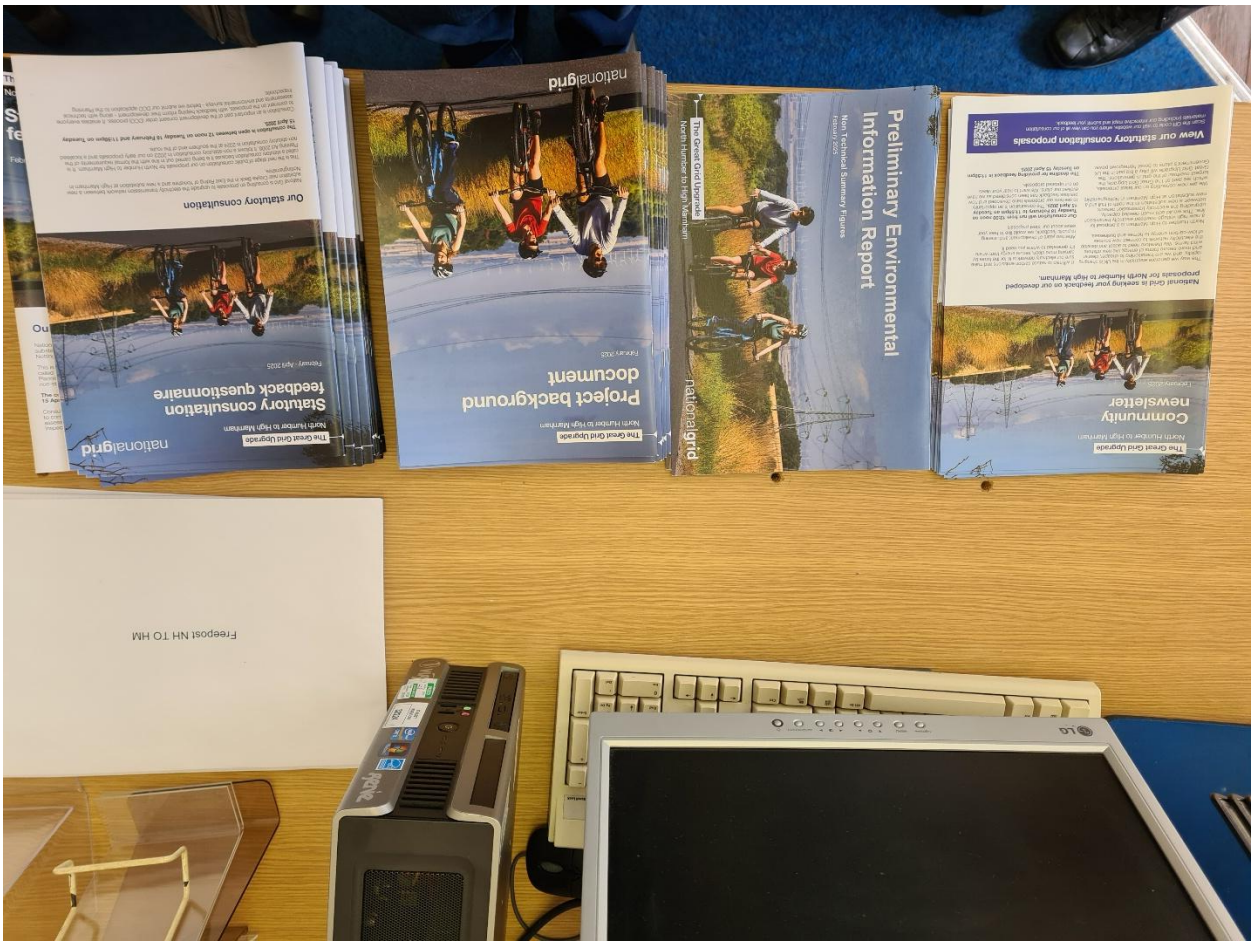
DATE	LOCATION	ENTRANCE	MATERIALS	SIGNATORY
13.02.25	Worksop Library			
13.02.25	Bassetlaw District Council Retford			
13.02.25	Retford Library			
13.02.25	Gainsborough Library			
13.02.25	All Saints Church Misterton			
13.02.25	Misterton Library			

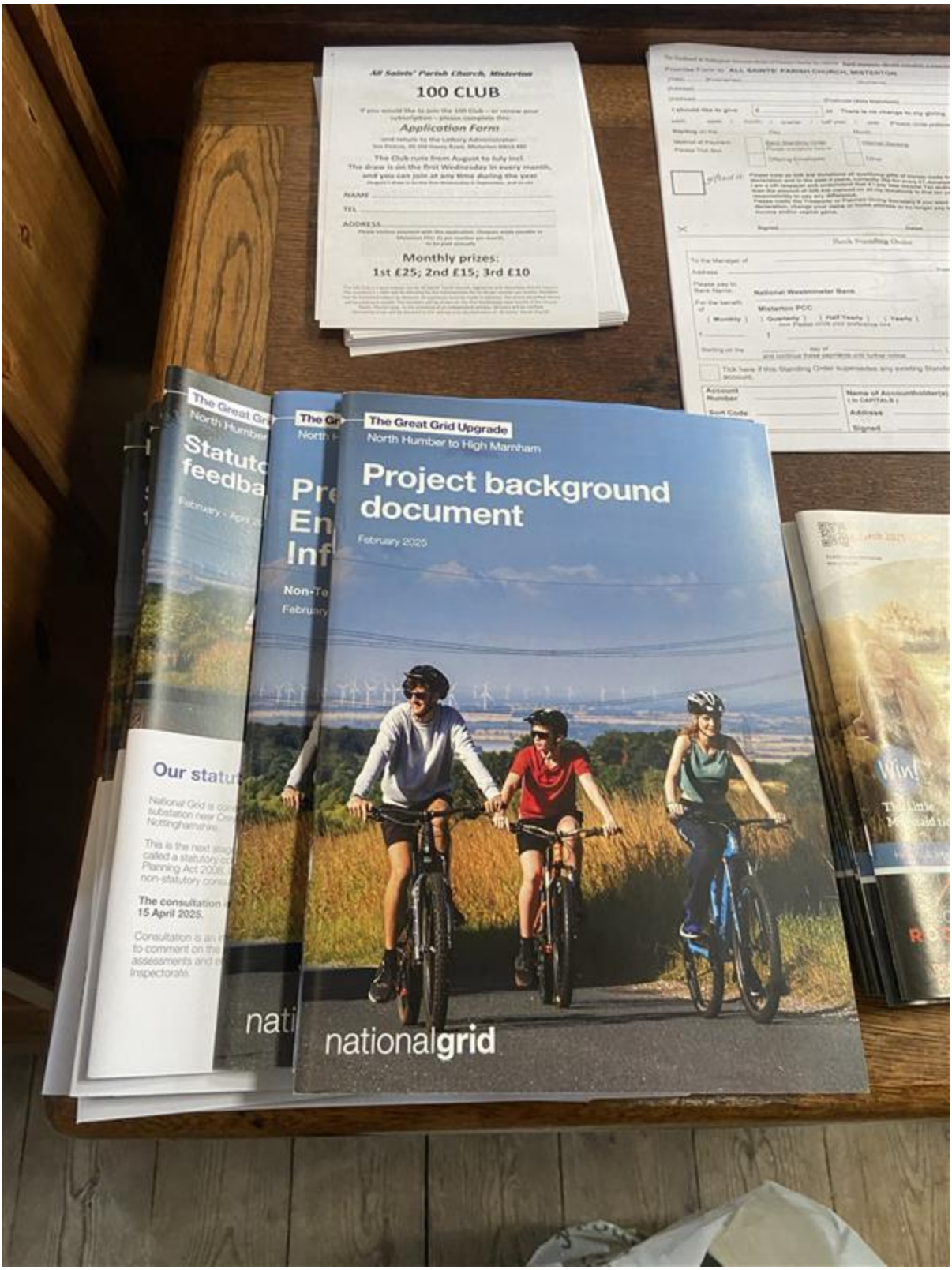
13.02.25	Scunthorpe Central Library			
13.02.25	Goole Library			
13.02.25	South Cave Library			
13.02.25	Cottingham Library			
14.02.25	Beverley Library			

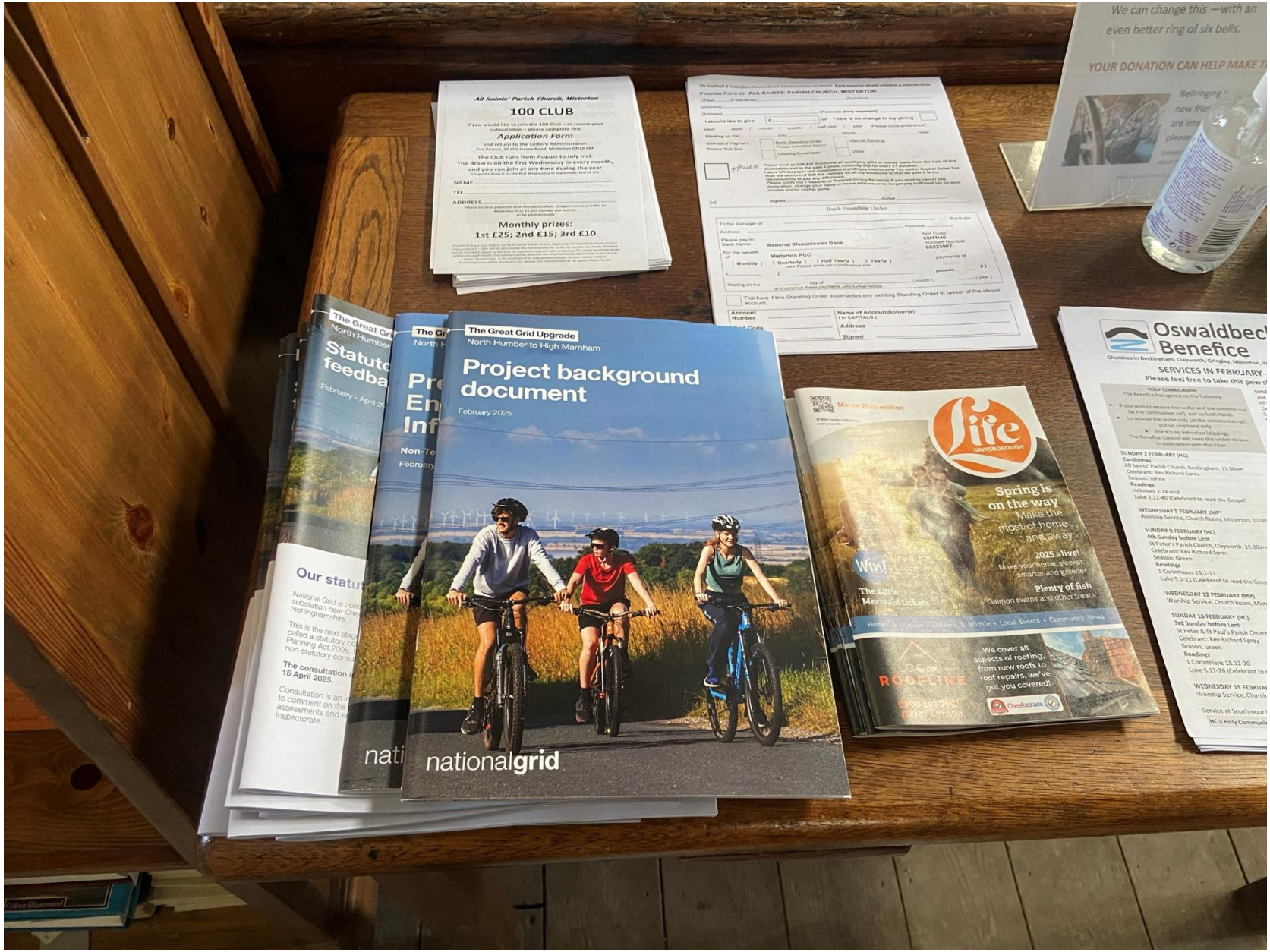
Preliminary
Environmental
Information Report
Verifone


Freepost NH TO HM
Project background document
The Great Grid Upgrade
North Humber to High Marnham
February 2025
Highlighter


Alcoholics Anonymous
01482 834083
Domestic Abuse Service
Statutory consultation feedback questionnaire
Community newsletter
Project background document
Freepost NH TO HM

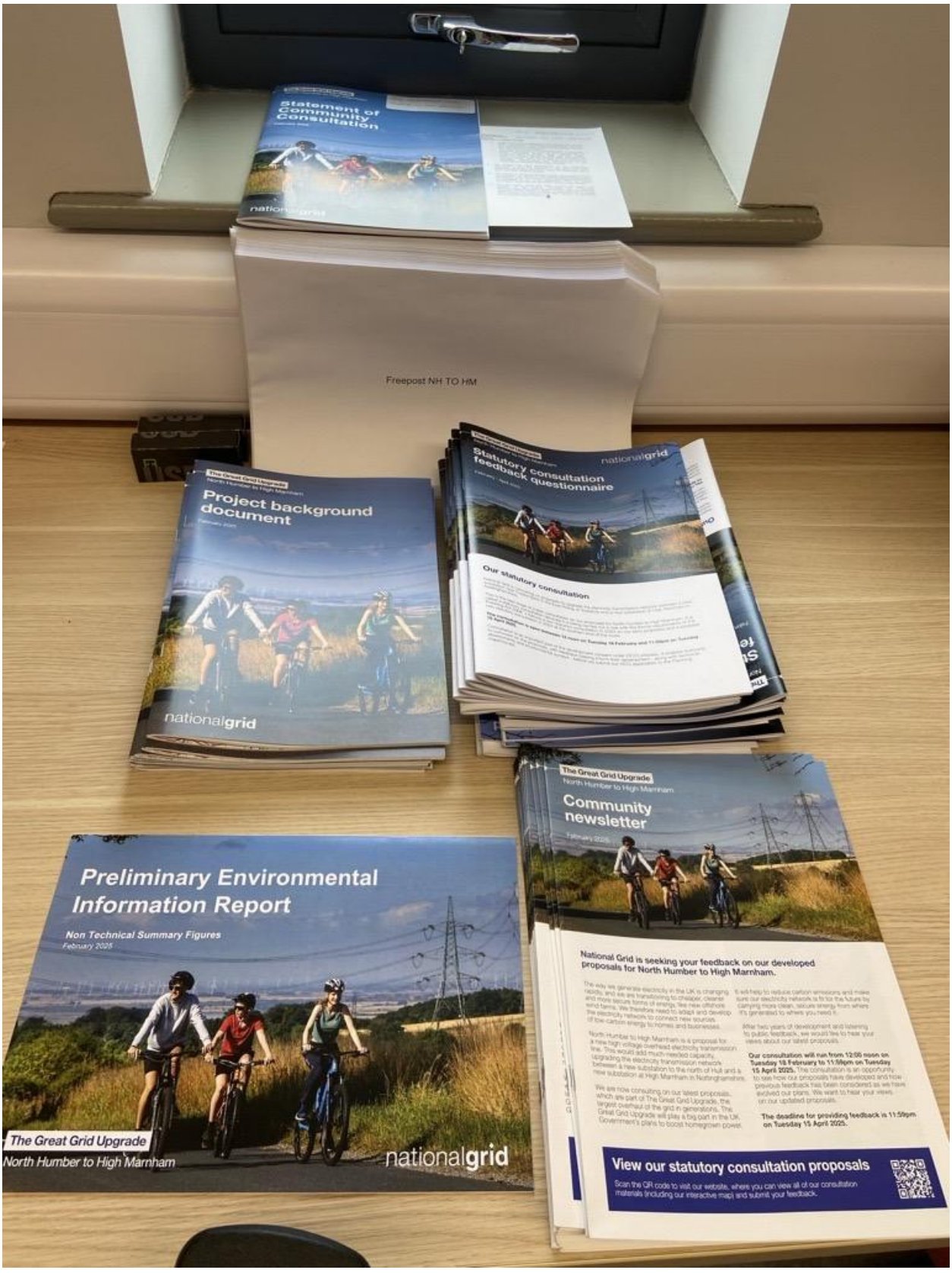

The Great Grid Upgrade
North Humber to High Marnham
Statutory consultation feedback questionnaire
February–April 2025
nationalgrid
Our statutory consultation
The Great Grid Upgrade
North Humber to High Marnham
Project background document
February 2025
nationalgrid
The Great Grid Upgrade
North Humber to High Marnham
Preliminary Environmental Information Report
Non-Technical Summary Figures
nationalgrid
The Great Grid Upgrade
North Humber to High Marnham
Community newsletter
February 2025
National Grid is seeking your feedback on our developed proposals for North Humber to High Marnham.
View our statutory consultation proposals
Freepost NH TO HM


All Saints' Parish Church, Misterton
100 CLUB
Application Form
Monthly prizes:
1st £25; 2nd £15; 3rd £10
The Great Grid Upgrade
North Humber to High Marnham
Project background document
February 2025
nationalgrid

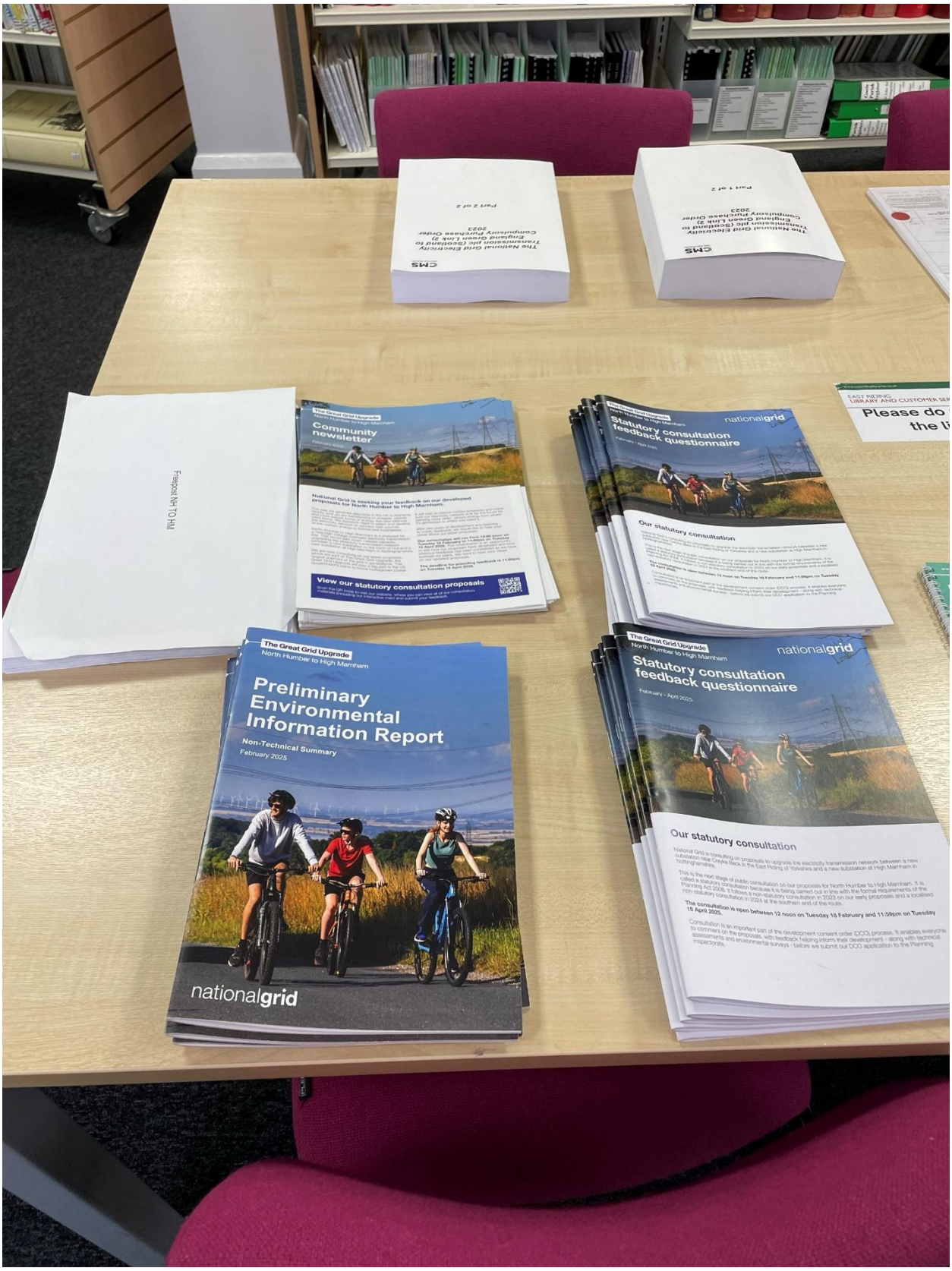

All Saints' Parish Church, Misterton
100 CLUB
If you would like to join the 100 Club – or renew your subscription – please complete this
Application Form
and return to the Lottery Administrator:
The Club runs from August to July incl.
The draw is on the first Wednesday in every month,
and you can join at any time during the year
NAME
TEL
ADDRESS
Monthly prizes:
1st £25; 2nd £15; 3rd £10
Promise Form to ALL SAINTS' PARISH CHURCH, MISTERTON
Bank Standing Order
To the Manager of
Please pay to Bank Name: National Westminster Bank
For the benefit of: Misterton PCC
Sort Code: 53-41-46
Account Number: 05233567
Account Number
Name of Accountholder(s) (in CAPITALS)
Address
Signed
We can change this —with an even better ring of six bells.
YOUR DONATION CAN HELP MAKE T
The Great Grid Upgrade
North Humber to High Marnham
Project background document
February 2025
nationalgrid
Our statut
March 2025 edition
Life
GAINSBOROUGH
Spring is on the way
Make the most of home and away
2025 alive!
Make your home, sleeker, smarter and greener
Plenty of fish
Salmon swaps and other treats
The Little Mermaid tickets
Wiw!
ROOFLINE
We cover all aspects of roofing, from new roofs to roof repairs, we've got you covered!
Oswaldbeck Benefice
Churches in Beckingham, Clayworth, Gringley, Misterton,
SERVICES IN FEBRUARY–
Please feel free to take this pew s
HOLY COMMUNION
SUNDAY 2 FEBRUARY (HC)
Candlemas
All Saints' Parish Church, Beckingham, 11.00am
Celebrant: Rev Richard Spray
Season: White
Readings
Hebrews 2.14-end
Luke 2.22-40 (Celebrant to read the Gospel)
WEDNESDAY 5 FEBRUARY (MP)
Worship Service, Church Room, Misterton, 10.00
SUNDAY 9 FEBRUARY (HC)
4th Sunday before Lent
St Peter's Parish Church, Clayworth, 11.00am
Celebrant: Rev Richard Spray
Season: Green
Readings
1 Corinthians 15.1-11
Luke 5.1-11 (Celebrant to read the Gosp
WEDNESDAY 12 FEBRUARY (MP)
Worship Service, Church Room, Mist
SUNDAY 16 FEBRUARY (HC)
3rd Sunday before Lent
St Peter & St Paul's Parish Church
Celebrant: Rev Richard Spray
Season: Green
Readings
1 Corinthians 15.12-20
Luke 6.17-26 (Celebrant to
WEDNESDAY 19 FEBRUA
Worship Service, Church
Service at Southmoor
HC = Holy Communio


The Great Grid Upgrade
North Humber to High Marnham
Statutory consultation feedback questionnaire
nationalgrid
Community newsletter
Preliminary Environmental Information Report
Non Technical Summary Figures
Project background document
Our statutory consultation
Please ask for information about local support, events, activities.
Basic Conditions Statement
MISTERTON NEIGHBOURHOOD PLAN
Review 2022 - 2038
Life
Spring is on the way
THE HIDDEN
TOBIAS HILL
HEROES
Community newsletter
National Grid is seeking your feedback on our developed proposals for North Humber to High Marnham.
View our statutory consultation proposals


Project background document
Statement of Community Consultation
Preliminary Environmental Information Report
Feedback questionnaire
Our statutory consultation
Freepost NH TO HM

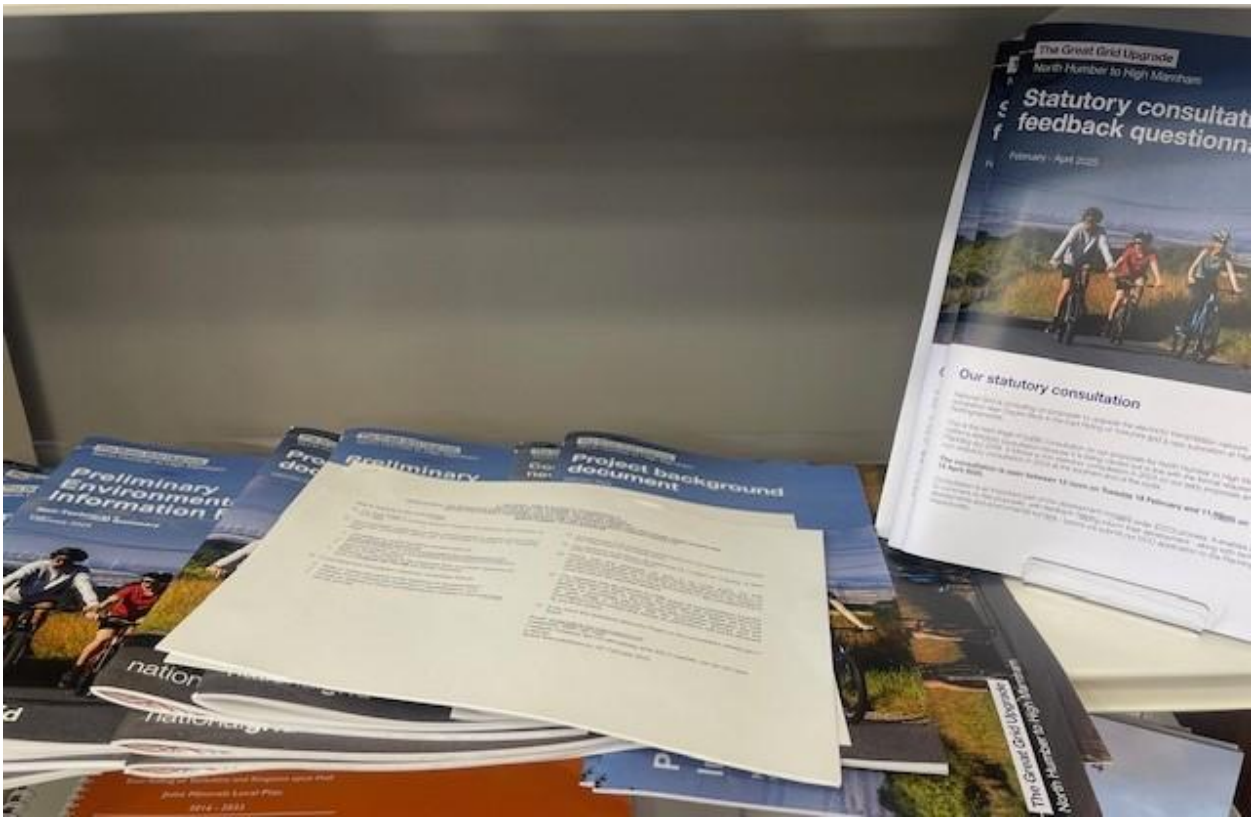

Statement of Community Consultation
Freepost NH TO HM
Project background document
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Statutory consultation feedback questionnaire
Our statutory consultation
The Great Grid Upgrade
North Humber to High Marnham
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Non Technical Summary Figures
February 2026
The Great Grid Upgrade
North Humber to High Marnham
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Statutory consultation feedback questionnaire
Our statutory consultation
Preliminary Environmental Information Report
Non-Technical Summary
The Great Grid Upgrade
North Humber to High Marnham
Project background document
January 2025
Preliminary Environmental Information Report
Non-Technical Summary
February 2025
Project background document
January 2025
Community newsletter
View our statutory consultation proposals


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The Great Grid Upgrade
North Humber to High Marnham
Preliminary Environmental Information Report
Non-Technical Summary
February 2025
nationalgrid
The Great Grid Upgrade
North Humber to High Marnham
Statutory consultation feedback questionnaire
February - April 2025
nationalgrid
Our statutory consultation
The consultation is open between 12 noon on Tuesday 18 February and 11:59pm on Tuesday 15 April 2025.
Freepost NH TO HM
Part 1 of 2
Part 2 of 2
CMS


Preliminary Environmental Information Report
Statutory consultation feedback questionnaire
nationalgrid
Our statutory consultation
Please do not eat in the library


Community newsletter
View our statutory consultation proposals
Preliminary Environmental Information Report
Project background document
nationalgrid
Statutory consultation feedback questionnaire
Our statutory consultation


The Great Grid Upgrade
North Humber to High Marnham
Statutory consultat
feedback questionn
February - April 2025
Our statutory consultation
Preliminary
Project background
document


Preliminary Environmental Information Report
Statutory consultation feedback questionnaire
Project document
Community newsletter
Our statutory consultation
View our statutory consultation proposals


MOOR SPACE
Improve your health with social prescribing
Preliminary Environmental Information Report
Non-Technical Summary
February 2025
The Great Grid Upgrade
North Humber to High Marnham
Community newsletter
Statutory consultation feedback questionnaire
Our statutory consultation
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RWE
Tween Bridge Solar Farm
Improve your Digital, English & Maths Skills!
Apply Now

H.12 Project Banners



The Great Grid Upgrade

North Humber to High Marnham

National Grid Electricity Transmission needs to upgrade the electricity grid between the north of England and the Midlands by building North Humber to High Marnham, a proposed new overhead line.

Scan the QR code to be directed to our website. Here you can view all consultation materials, our interactive map and the online feedback questionnaire.

Our proposals will contribute to the UK's commitment to connect 50 GW of offshore wind by 2030 and 70 GW of solar power by 2035. They will also help to meet government targets to reduce carbon emissions, increase our country's energy security, and carry cleaner and more affordable energy to where it is needed.

Our consultation

We'd like to hear your thoughts about our proposals as we finalise our plans and prepare to submit our application for development consent. Our consultation runs until 11:59pm on **Tuesday 15 April 2025**.

At today's event you can learn more about our proposals and speak to members of our team. There are also a range of other ways that you can take part in the consultation:

- visit our website at **nationalgrid.com/nh-hm**, where you will find all the maps, technical documents and materials produced as part of this consultation
- **attend a webinar** where you can learn more about our proposals. Details on how to sign up for a webinar are available on our website or by contacting us by email or phone
- **complete and return a feedback questionnaire**. You can do this online through our project website, in person at today's event, or by sending your feedback questionnaire or a letter to Freepost NH TO HM (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

June - July 2023
Non-statutory consultation

July - August 2024
Localised non-statutory consultation

February - April 2025
Statutory consultation

Summer 2026
DCO application submission

From 2028
Start of construction

From 2031
Fully operational

From 2033
Reinstatement works complete

Contact us nationalgrid.com/nh-hm contact@nh-hm.nationalgrid.com 0808 189 1346 Call us to request paper copies of the materials or materials in a different format

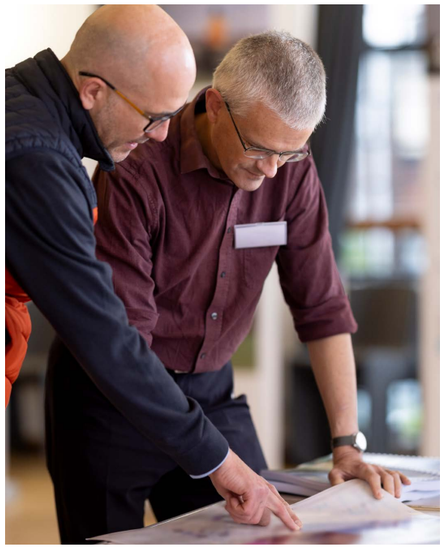


The need

North Humber to High Marnham would help make sure the grid is ready to transport more secure, cheaper and cleaner forms of energy. It's part of The Great Grid Upgrade – the largest overhaul of the electricity network in generations.

The network today

Like much of the high voltage electricity transmission network across the country, the network between the north of England and the Midlands was largely built in the 1960s, carrying electricity from Scotland and the north, and connecting coal fired generation in the Aire and Trent Valleys with the main population centres. The way electricity is generated has now changed, so we need to make changes to the grid.



Why does the network in this region need upgrading?

Small-scale change isn't enough – upgrading the existing network as it is today (such as through replacing cables to carry more power) won't be enough to meet future energy demand whilst meeting the required standards

Demand for energy is rising – as the way we power our homes, businesses, industry and transport changes, demand for electricity is set to significantly increase

How we generate electricity is changing – the existing network was built to connect coal fired power stations with the main centres of population. In the future, much more of our energy will come from clean sources of energy, including out at sea

Net zero – the UK has set a world-leading target to achieve net zero carbon emissions by 2050. This means that we will remove the same amount of greenhouse gases from the atmosphere as we will produce.

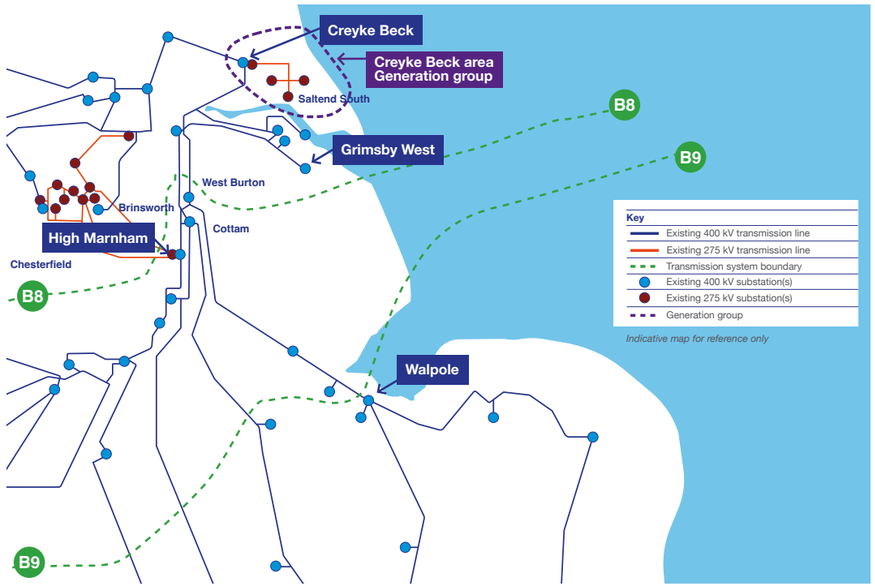
Increasing network boundary capability

To help show current and future demands on the electricity network, we use the concept of network boundaries. A boundary splits the system into sections and shows where there are high power flows between different parts of the network. When flows across a network boundary are forecast to be above the capability of the network, we have two options:

- pay electricity generators to reduce the energy they produce in one area while paying others elsewhere to generate. These are called 'constraint payments'
- increase the capability of the network to allow more electricity to flow.

The B8 network boundary runs east to west and separates the northern generation zones, including Scotland, northern England and north Wales, from the Midlands and southern demand centres. Over the next decade, various works to upgrade existing infrastructure are planned to increase capability over this boundary.

These works will increase the amount of electricity that can flow across the boundary to around 16 GW, but this won't be enough to accommodate the expected north-south power flows, with up to 28 GW of boundary transfer capability needed by 2030.



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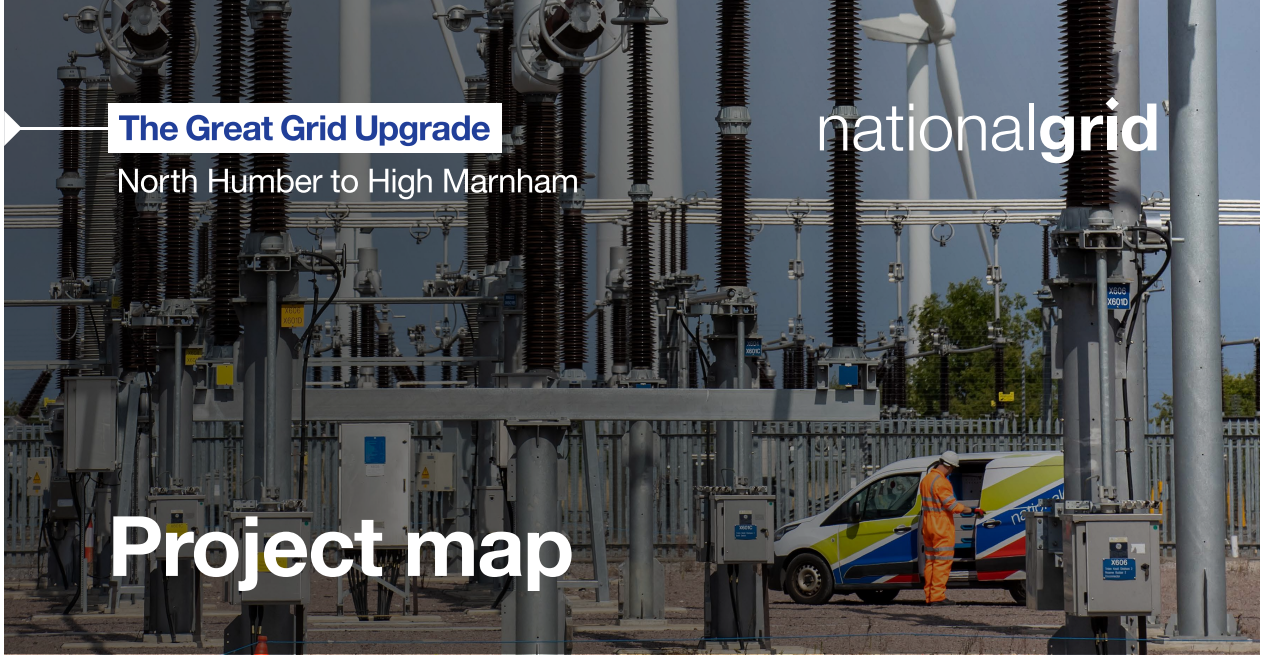


Our proposals include a new 400 kV overhead electricity transmission line approximately 90 km in length between two proposed new substations, Birkhill Wood 400 kV substation and High Marnham 400 kV substation.

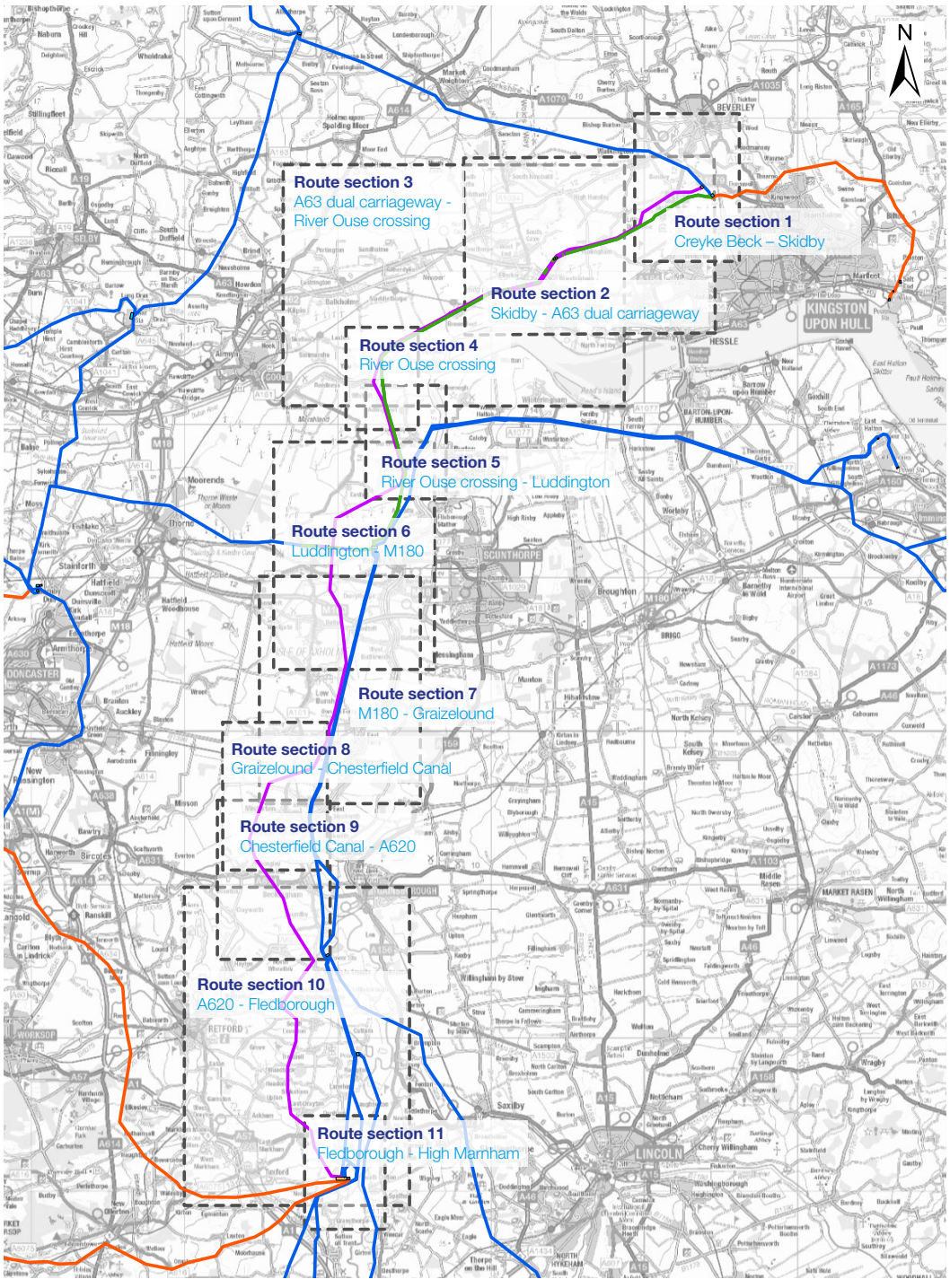
The key elements of our plans are:

- approximately 90 km of new overhead line between the proposed new Birkhill Wood and High Marnham 400 kV substations
- replacement and realignment of a section of the existing 400 kV overhead line between Brantingham and east of Broomfleet, and the modification of a section of the overhead line route between Ealand and west of Keadby
- new 400 kV substations at Birkhill Wood (gas insulated switchgear) and High Marnham (air insulated switchgear)
- replacement and realignment of a section of the section of the existing 400 kV overhead line to allow connection into the proposed new Birkhill Wood substation
- replacement and realignment of a section of the existing overhead lines, to allow connection into the proposed new High Marnham substation
- other works, such as temporary diversions on existing overhead line routes, temporary access routes, highways works, construction compounds and work sites
- environmental mitigation, compensation and enhancement works, including the delivery of a minimum of 10% biodiversity net gain. This means that our work needs to result in more, or better quality, natural environment than before development.

Substation technology: There are primarily two different types of substations – one uses air to insulate the electrical components (air insulated switchgear, or GIS) and the other uses gas to insulate the electrical components (gas insulated switchgear, or GIS). AIS substations require more space between the equipment, so occupy a larger footprint than the GIS equivalent. The decision on which type of substation we construct depends on several factors including availability of space, potential environmental impacts, cost, safety and maintenance requirements.



Our proposals have been split into 11 route sections to make it easier for people to give feedback about any particular areas they may wish to comment on. The sections are the same as used at our non-statutory consultation.



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Key:

- Indicative new overhead line
- Existing overhead line not affected
- Existing overhead line to be reconductored
- Existing overhead line to be dismantled
- Proposed substation
- 400 kV overhead line
- 275 kV overhead line
- Existing 400 kV substation
- Existing 275 kV substation

Our proposals in Route sections 1 – 3 (incl. Birkhill Wood substation)

A line swap-over is proposed between Route sections 2 and 3. This is where a length of existing overhead line is removed, allowing the two newly formed 'ends' of existing overhead line to be connected to two lengths of new overhead line. The two resultant routes would then both comprise of lengths of newly built and existing overhead line.

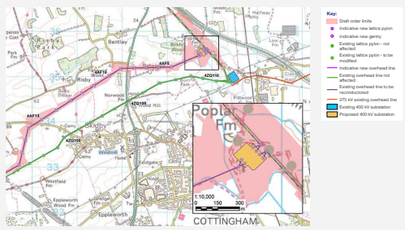
Birkhill Wood substation

A new substation is required approximately 700 metres to the north of the existing Creyke Beck substation. This substation will connect new sources of electricity, including the proposed Dogger Bank South and Dogger Bank D offshore wind farms, to the grid. A separate planning application under the Town and Country Planning Act will be required for the substation, meaning that we did not include it in our proposals at previous consultations. However, we have decided to now include it within our proposals for North Humber to High Marnham. You can provide feedback on the substation in this public consultation.

Route section 1
Creyke Beck - Skidby

From the new Birkhill Wood substation, the preferred alignment routes west for approx. 1.6 km to the crossing of A164 Beverley Road south of Jillywood.

The preferred alignment is then routed to the southwest for a further 1.5 km, passing to the north of Platwoods Bar Plantation and Skidby and south of Dunflat Road.

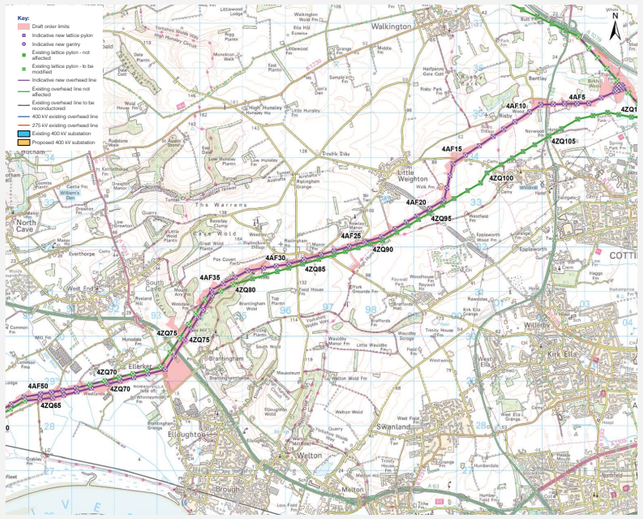


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Route section 2
Skidby – A63

The preferred alignment continues southwest for approx. 1.1 km, crossing Little Weighton Road to proposed pylon 4AF16. From here, the alignment is routed south for approx. 850 m before running in close parallel with the existing overhead line for approx. 6.1 km. The alignment then routes north of Brantingham Dale SSSI to proposed pylon 4AF37.

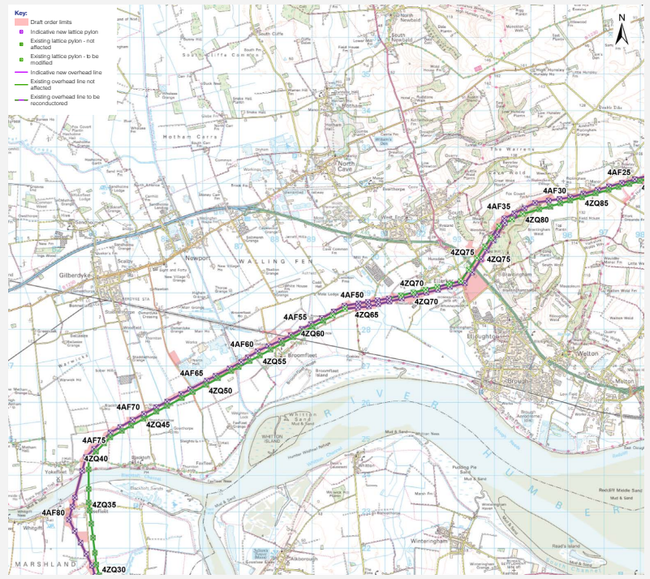
At the end of this Route section, the preferred alignment transfers onto the existing pylons, once the existing circuits have been transferred onto new pylons to the south.



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Route section 3
A63 – River Ouse crossing

The preferred alignment swaps onto the existing overhead line to the south and west of Ellerker. The existing line in this location swaps onto the new alignment, south of and close parallel to the existing pylons. The existing and new line then swap back before Broomfleet.



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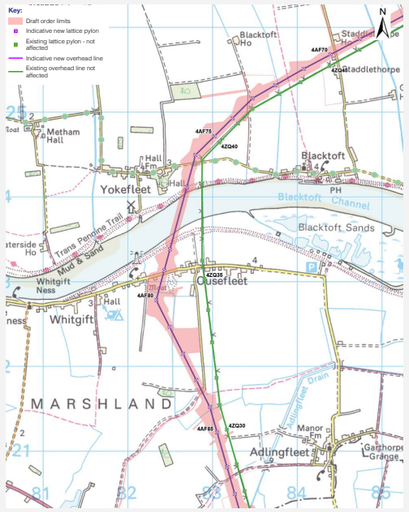
Our proposals in Route sections 4-7

In Route section 6 we are proposing a diamond duck under crossing, which is where the existing ZDA overhead line will be modified by replacing two existing pylons with two new pylons and two sets of lower height structures. Each new pylon/structure pair will carry an individual electrical circuit so that the proposed new overhead line can maintain sufficient electrical safety clearance to the existing ZDA overhead line.

Route section 4
River Ouse crossing

From the start of the Route section, the preferred alignment runs in a general southerly direction, crossing the River Ouse and Townsend Causeway between Ousefleet and Whitgift.

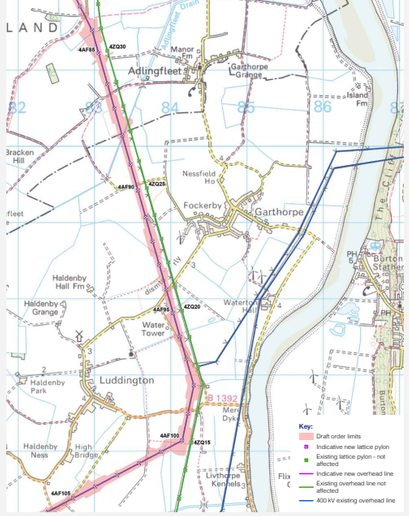
The preferred alignment remains broadly parallel with the existing 400 kV overhead line, but deviates around Ousefleet to avoid oversailing residential properties.



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Route section 5
River Ouse crossing - Luddington

From the start of the Route section, the preferred alignment is routed broadly southeast, running west of Garthorpe and east of Luddington before finishing at Meredyke Road.

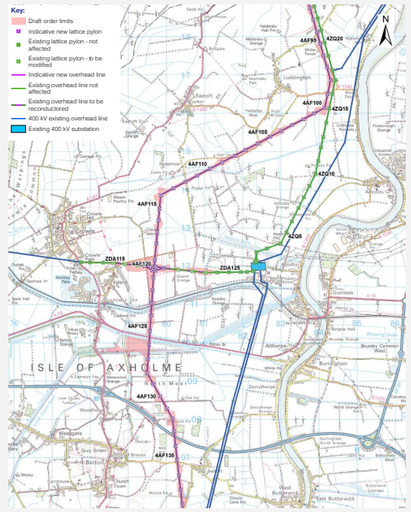


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Route section 6
Luddington – M180

The preferred alignment is routed southwest, running south of Luddington and Eastoft for approx. 4.8 km to proposed pylon 4AF114.

The preferred alignment then heads south, running east of Crowle for a further 6.4 km and crossing Outgate, the existing overhead line, the Sheffield and South Yorkshire Navigation and the A18 before ending at the M180.

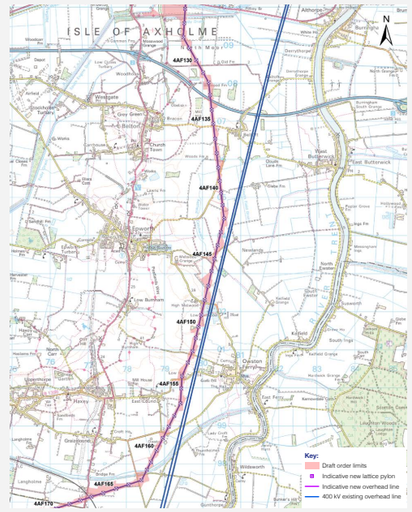


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Route section 7
M180 - Graizelound

From the M180, the preferred alignment is generally routed south, running west of Beltoft and Owston Ferry and east of Belton, Epworth, East Lound and Graizelound.

Between proposed pylons 4AF142 and 4AF156, the preferred alignment runs in close parallel with the existing 400 kV overhead line for approx. 5 km.



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Our proposals in Route sections 8-11 (incl. High Marnham substation)

High Marnham substation

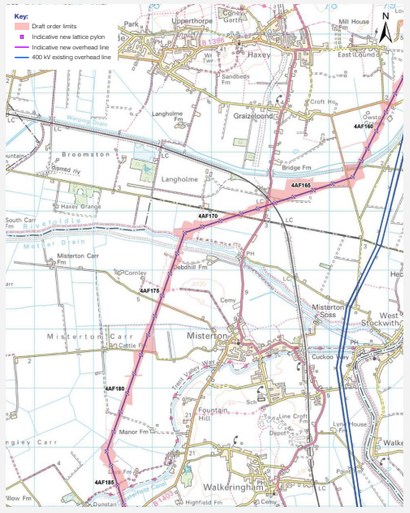
A new substation is proposed to the west of the former High Marnham power station. This substation will connect several new customers and play an important role in building a more secure and resilient energy system.

Planning permission under the Town and Country Planning Act will be required for the substation, meaning that it did not feature in our proposals at previous consultations. We have decided to now include it within our proposals to demonstrate that our project can be delivered and can connect to the network.

Route section 8
Graizelound – Chesterfield Canal

From the start of the Route section at Stockwith Road, the preferred alignment is routed generally west for approx. 3 km, crossing a railway line and Tindle Bank Road to proposed pylon 4AF172.

From proposed pylon 4AF172, the preferred alignment is then routed generally south for approx. 4.6 km from the west of Misterton to the Chesterfield Canal.



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Route section 9
Chesterfield Canal – A620

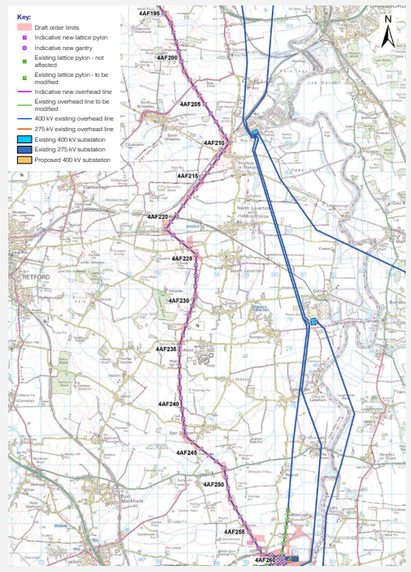
The preferred alignment is routed in a general southeasterly direction for approx. 6 km to the west of Walkeringham and Beckingham and east of Gringley on the Hill to the end of the Route section at the A620.



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Route section 10
A620 - Fledborough

From the A620 Gainsborough Road, the preferred alignment is routed southeast to the east of North and South Wheatley for approx. 2.3 km to proposed pylon 4AF209 north of Sturton le Steeple.

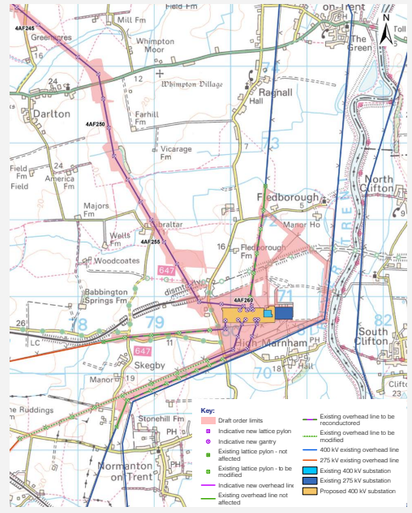


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Route section 11
Fledborough – High Marnham

The preferred alignment is routed southeast for approx. 0.5 km, crossing the disused railway to the west of the Marnham Railway Yard Local Wildlife Site towards proposed pylon 4AF258.

From here, the preferred alignment is routed east for approximately 0.5 km to the proposed High Marnham Substation.



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Should consent for North Humber to High Marnham be granted, we would expect construction to start in 2028, with the project becoming fully operational in 2031. The construction phase would involve a range of temporary construction activities, including:

- Working areas for construction
- Site offices and storage
- Crossing points across watercourses
- Construction vehicular accesses and haul roads
- Temporary diversions of public rights of way

Managing and mitigating effects

Feedback from all stages of consultation, along with outputs from our ongoing technical and environmental assessments, will help us further refine our proposals as we prepare our development consent order application.

We use best practice environmental impact assessment techniques to assess the possible effects of our work and identify opportunities for mitigation measures, including the delivery of biodiversity net gain.

Protecting the environment

Our detailed environmental surveys and assessments have helped us to understand potential effects and how they can be avoided, reduced or mitigated during construction and operation.

Where avoidance and mitigation is not possible, we would 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.

Biodiversity net gain

Biodiversity net gain (BNG) is a way to ensure that the environment is left in a better state after construction than it was before the work started. The decline of biodiversity in the UK is well documented and we are conscious that our activities can impact habitats and therefore species' ability to thrive. We have committed to achieving a minimum of 10% biodiversity net gain for new major projects to ensure we leave the site and local area in a measurably better state than before the development took place. BNG can be achieved through habitat creation and/or enhancement and may be delivered on site or off site.

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