

**The Great Grid Upgrade**

Grimsby to Walpole

# Guide to interacting with our consultation plans



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# 1. Introduction

- 1.1.1 This document has been produced by National Grid Electricity Transmission (NGET) to provide guidance on interacting with our consultation plans during our Statutory (Stage 2) consultation for Grimsby to Walpole (the Project).
- 1.1.2 Our consultation runs from 11 June until 11.59pm on 6 August 2025
- 1.1.3 To help explain and visualise our proposals for the Project, we have prepared a series of documents, including plans and drawings. This guide provides more detail about the plans that are available and what is shown in each plan.



## 2. What are the consultation plans?

- 2.1.1 We have prepared a series of plans to support the consultation, help people understand our proposals and how they may be affected.
- 2.1.2 Whilst the plans illustrate many aspects of the Project, they do not explain the rationale for the design. This can be found in the Design Development Report which has been published to accompany our consultation. The consultation documents also include the Preliminary Environmental Information Report (PEIR) which sets out the preliminary findings from the environmental studies and assessments we are carrying out as we develop our proposals.
- 2.1.3 In accordance with normal practice, it should be noted that all plans published in support of the consultation are based on typical and indicative designs. They have been produced to give respondents to the consultation a general understanding of the Project and to help inform feedback. All feedback we receive as part of this consultation will be carefully considered, alongside the outputs of our ongoing technical and environmental assessments, as we finalise our proposals and prepare our application for development consent. The application for development consent will contain an updated design (and accompanying set of plans), although it should be noted that even at that stage flexibility will be retained through Limits of Deviation (LoD), as described below.

## 3. List of Documents and Drawings

- 3.1.1 The standalone plans and drawings published to support our consultation are listed below:

Table 3.1 – List of Plans and Drawings

Title	Description
Overall Location Plan	Allows the user to locate the Project within its regional context at a scale that allows the Project in its entirety to be viewed on a single sheet. It shows the proposed new overhead line alignment and the locations of proposed substations, as well as existing overhead lines and substations that will be reconfigured, dismantled or modified. The wider transmission network in this region which is not directly impacted by the Project is also included to provide an indication of where the Project is located with respect to the rest of the National Electricity Transmission System (NETS). It also shows local authority boundaries, and the Refined Weston Marsh Substation Siting Zone.
Consultation Plans Master Key Plan	This plan shows the Draft Order Limits and the Refined Weston Marsh Substation Siting Zone with an index of the Route Sections that have been used to break up the Project into smaller parts for Stage 2 Consultation. It enables the user to navigate to the relevant specific set of plans of interest to them. It also shows local authority boundaries.
Consultation Plans	These plans provide a detailed overview of the current proposals, divided over multiple sheets across several Route Sections. Each Route Section includes a Key Plan at variable scale to enable full visibility of the Section on one sheet, as well as a full plan series which shows the details of the Proposals at 1:2,500 scale across multiple sheets. The Key Plan helps users quickly locate an area or sheet of interest along the length of the Project in the plan series, whilst the sheets that make up the plan series themselves provide more detailed information about the location of the works proposed for the Project. The scale of 1:2,500 on the plan series has been used to provide the specific location of the permanent assets and construction, operation and maintenance areas, while also providing as much context of the surrounding area as possible. The plans are ordered from north to south. The plans include the proposed overhead line alignment (encompassing indicative locations for lattice pylons and overhead lines), proposed locations and site boundaries for new substations, as well as the Draft Order Limits. The plans also show indicative temporary structures and areas for construction activities, existing lattice pylons to be modified, and existing overhead lines to be reconducted or to be dismantled. The wider transmission network which is not directly impacted by the Project is also included for additional context. A full list of all key features of the project which are included in the Consultation Plans is provided in Tables 5.1 to 5.3.
Substation Site Layout Plans	These plans show the proposed new substations, the equipment within the substation site boundaries, and the associated works taking place in the

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area around the substations in more detail than the consultation plans at 1:1500 scale. This includes the substations themselves and their internal layouts, construction compound areas, access road locations, the arrangement of the new overhead line connections, environmental mitigation areas, and details of any dismantling or modification of existing overhead lines.

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## 4. What do the plans show?

### 4.1 Route Sections

4.1.1 Our proposed alignment and substations have been split into several Route Sections to make it easier for people to give feedback about any particular areas that they may wish to comment on. The Route Sections differ from those displayed at our Stage 1 consultation.

4.1.2 The Route Sections are:

- Route Section 1: new Grimsby West Substation
- Route Section 2: overhead line from Grimsby West Substation to new Lincolnshire Connection Substation A
- Route Section 3: Lincolnshire Connection Substation A and B (including overhead line between them)
- Route Section 4: overhead line from Lincolnshire Connection Substation B to the Refined Weston Marsh Substation Siting Zone
- Route Section 5: Refined Weston Marsh Substation Siting Zone
- Route Section 6: overhead line from the Refined Weston Marsh Substation Siting Zone to Walpole B Substation
- Route Section 7: Walpole B Substation

### 4.2 The Proposed Alignment

4.2.1 Certain consultation plans use the term 'Proposed Alignment' when describing the proposed route.

4.2.2 The Proposed Alignment is a concept used to help communicate the potential route of the Project and has been developed as a result of feedback received during our Stage 1 consultation in 2024, ongoing engineering design and environmental assessment work to date.

4.2.3 The Proposed Alignment shown on these consultation plans is subject to change following consideration of consultation feedback and ongoing design development.

4.2.4 Moving forward, we will not be seeking approval, through the development consent order process, for a specific alignment (including fixed pylon locations). Approval will instead be sought to construct the Project within parameters known as LoD [See section 4.4].

### 4.3 Draft Order Limits

4.3.1 The Draft Order Limits, presented on the Consultation Plans, outline the geographical extent of land affected by a proposed development and includes land needed for the Project, such as:

- main development area, including permanent and temporary works;

- access routes and visibility splays;
- environmental mitigation, landscaping and some areas that are capable of delivering BNG (subject to BNG strategy); and
- third party mitigation.

4.3.2 The final Order Limits pursuant to the DCO will define the extent of land proposed to be acquired, as described in the Book of Reference, whilst also defining the geographical scope of environmental and stakeholder impacts to ensure they are considered and mitigated as appropriate.

4.3.3 Multiple disciplines including (but not limited to) engineering, traffic and transport, ecology, landscape and visual all feed into justifying the land required to construct, mitigate and maintain the Project.

4.3.4 The Draft Order Limits are shown as a solid red line.

## **4.4 Limits of Deviation (LoD)**

4.4.1 As acknowledged by the Planning Inspectorate's Advice Note Nine a necessary and proportionate degree of flexibility needs to be incorporated into the design of a development so that unforeseen issues encountered after a development has been consented can be addressed.

4.4.2 To allow for this proportionate degree of flexibility, limits of deviation (LoD) have been developed for the Project components which will be specified in the DCO. The LoDs will provide a maximum distance or measurement of variation within which every component of the Project would be located. LoDs will be applied both horizontally and vertically for the Project.



## 5. Key features

5.1.1 Other key features shown on the consultation plans and drawings are summarised in the following tables:

Table 5.1 – Permanent key features

Permanent key features	Overview
Indicative zone for permanent assets	Shows the indicative zone within which permanent assets (including those listed below) would be located.
Indicative new lattice pylon	Shows the indicative position of proposed new lattice pylons, which are structures that support the overhead line conductors (electrical wires). There are two key types of lattice pylon: suspension (where the conductors are simply suspended from the pylon) and tension/angle (where the overhead line changes direction).
Indicative new low height lattice pylon	Shows the indicative position of proposed new low height lattice pylons, which perform a similar role to standard lattice pylons as described above but are generally lower in height due to an alternative arrangement of conductors (electrical wires).
Indicative new gantry	Shows the indicative position of proposed new gantries, which are structures supporting electrical equipment (typically up to 15 m in height) that serve as a transition point from overhead line equipment to equipment in a substation.
Indicative new overhead line	Shows the indicative position of the new proposed overhead line, which comprises of conductors (wires) carrying electric current that are strung from pylon to pylon. This marks the centreline of the overhead line alignment and links the indicative pylon locations.
Existing lattice pylon (to be modified/dismantled/not affected)	Shows the position of existing lattice pylons, including those that would be modified as part of the Project, those which would be dismantled and those not affected by the proposals. This also includes existing pylons within the Refined Weston Marsh Substation Siting Zone, within which pylons may be modified subject to further design.
Existing overhead line (to be modified/dismantled/not affected)	Shows the position of existing overhead line alignments, including those that would be modified as part of the Project, those which would be dismantled and those not affected by the proposals. This also includes existing overhead lines within the Refined Weston Marsh Substation Siting Zone, within which pylons may be modified subject to further design.

Indicative permanent substation access route	Shows the location of the permanent access route which will be installed between the new substations and the existing road network.
Indicative environmental mitigation	Shows areas within the Draft Order Limits where environmental mitigation is proposed. This may include vegetation for visual screening, or areas for habitat replacement or enhancement.
Indicative cable sealing end compound boundary	Shows the outer boundary of proposed new cable sealing end compounds within which all permanent assets associated with the cable sealing end will be located.
Indicative new underground cable centreline	Shows the location of the centreline of any proposed new underground cable where required for overhead line connections into substations to avoid other overhead constraints. New underground cables would follow the route of this centreline, but due to the width of cable installations the cables themselves may be located on both sides of this centreline within a certain swathe width.
Indicative new substation boundary	Shows the outer boundary of the proposed new substation sites within which all permanent assets associated with the substation will be located.

Table 5.2 – Temporary key features

Temporary key features	Overview
Indicative zone for temporary construction works	Shows the indicative zone within which temporary assets (including those listed below) would be located.
Indicative temporary structure	Shows the location of temporary support structures to be used for temporary diversions of existing overhead lines. These could either be temporary masts or temporary pylons.
Indicative temporary overhead line	Shows the proposed alignment of temporary diversions to existing overhead lines, which similar to permanent overhead lines will comprise of conductors strung between temporary structures.
Indicative access route - stone	Shows the location of temporary access routes which will be used for construction activities for the Project. These accesses are proposed to comprise of stone roads and will be used for larger construction activities and transport of materials.
Indicative access route - trackway	Shows the location of temporary access routes which will be used for construction activities for the Project. These accesses are proposed to comprise of trackway panels and will be used for smaller construction activities with smaller plant and equipment.
Indicative visibility splay	Areas near junctions between the public highway and the temporary construction accesses where visibility needs to be maintained for vehicles to manoeuvre. This typically involves vegetation management to ensure appropriate visibility.

Indicative area for temporary highway improvements	Areas along the public highway within which works will be undertaken to improve the road during construction, for example with the installation of passing places.
Indicative pylon working area	Areas around the indicative locations of pylons within which the construction works to assemble and erect the pylons will take place, typically consisting of a stone working area.
Indicative pylon stringing position	Areas located at tension and terminal pylons where space will be required to use specialist machinery to install conductors along lengths of the overhead line route, typically consisting of an area of trackway panels (subject to ground conditions) in part of the stringing position area with space for the associated machinery and materials such as conductor drums.
Indicative crossing protection work area	Areas within which structures (typically scaffolding) or other protective equipment will be temporarily installed to protect existing assets from the construction works, for example roads or railways.
Indicative construction compound	Areas within which parking, welfare facilities, and plant and material storage will be provided during construction for the substation and overhead line works.
Indicative statutory undertaker works	Areas within which works will be undertaken to underground, modify, or protect Statutory Undertaker assets, for example low voltage distribution network overhead lines.
Indicative sustainable drainage system basin	Shows the location of sustainable drainage basins which may be installed during construction to manage the drainage of water from the construction areas.
Indicative outfall	Shows locations where drainage systems installed during the construction works will discharge into nearby watercourses.
Indicative outfall pipes	Shows the location of pipes which will run between sustainable drainage basins and outfall locations.
Indicative underground cable construction swathe	Areas within which construction activities to install underground cables will be undertaken.

Table 5.3 Other Key Features

Key features	Overview
Refined Weston Marsh Substation Siting Zone	An area within which up to two new substations, along with associated overhead line and temporary construction works, may be sited subject to ongoing design work. A set of more refined Draft Order Limits are not yet available in this area.

## 6. How can I view the consultation plans?

- 6.1.1 The consultation plans are available to view online at our Project website: [nationalgrid.com/g-w](https://nationalgrid.com/g-w).
- 6.1.2 Printed copies of key consultation materials are available free of charge on request by emailing [contact@g-w.nationalgrid.com](mailto:contact@g-w.nationalgrid.com) or by calling 0808 258 4395. Some detailed technical documents may be subject to a printing charge.
- 6.1.3 Paper copies of key consultation materials (the Stage 2 consultation document, Community newsletter, and Feedback form) are available to take away at a number of local information points close to the proposed 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.
- 6.1.4 All consultation documents are available to view online, and at our in-person events.
- 6.1.5 Further details of this consultation and our proposals can be viewed online at [nationalgrid.com/g-w](https://nationalgrid.com/g-w).



## 7. How can I provide feedback using the consultation plans?

7.1.1 We encourage everyone to take time to review our proposals, get in touch with any questions, and respond by 11:59pm on Wednesday 6 August 2025.

7.1.2 Feedback can be provided in several ways:

- **Online:** Complete the feedback form available on our Project website: [nationalgrid.com/g-w](https://nationalgrid.com/g-w).
- **Email:** Send your comments to [contact@g-w.nationalgrid.com](mailto:contact@g-w.nationalgrid.com).
- **Post:** Write to us at Freepost G TO W (no stamp or further address details are required).
- **Phone:** Call us on freephone 0808 258 4395. Lines are open Monday to Friday 9am–5pm, with an answerphone facility taking messages outside of these hours.
- **In-person:** Attend one of our public information events or visit a local information point to collect a feedback form.

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