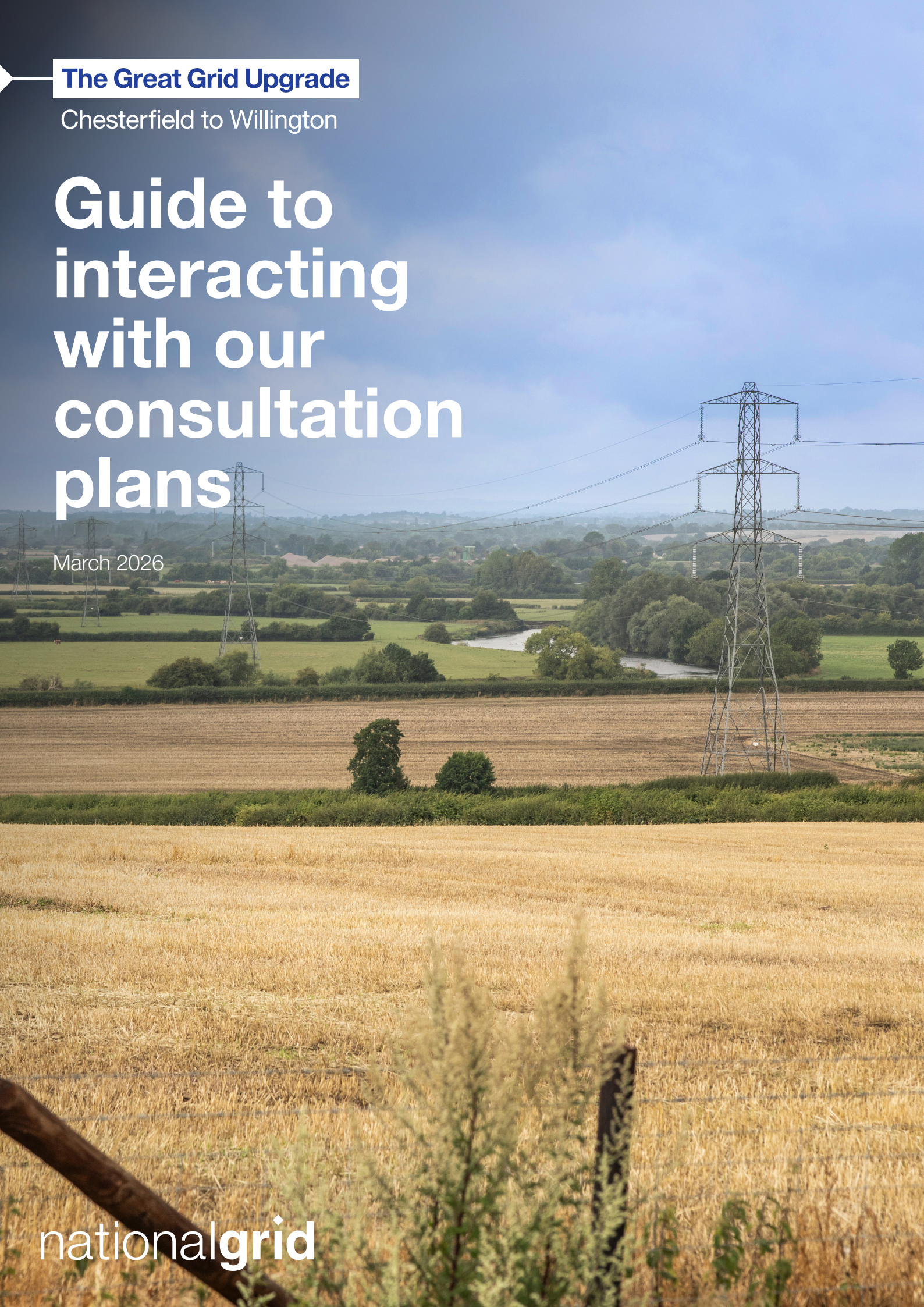

The Great Grid Upgrade

Chesterfield to Willington

Guide to interacting with our consultation plans

March 2026

nationalgrid

Contents

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 Stage 2 consultation for Chesterfield to Willington ("the Project").

1.1.2 Our consultation runs **for eight weeks, from 12pm Tuesday 3 March 2026 to 11:59pm Tuesday 28 April 2026**.

1.1.3 To help explain and visualise our proposals for the Project, we have prepared a series of documents, including consultation plans. 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 and to 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 (DDR)** 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 survey work, technical studies 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 on page 6.

3. List of consultation plans

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

Table 3.1 – List of consultation plans

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 locations of the Proposed Route Alignment (shown as the Indicative New Overhead Line on plans) and the new Chesterfield Substation, as well as existing overhead lines that will be reconfigured, dismantled or undergrounded whether temporarily or permanently. The wider transmission network in this region 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 the local authority boundaries.
Master Key Plan	This plan viewed on a single sheet shows the draft Order limits with an index of the Route Sections that have been used to break up the Project into smaller parts for the Stage 2 consultation. It enables the user to navigate to the relevant specific set of plans of interest to them. It also shows the local authority boundaries.
Consultation plans by Route Section	These plans provide a more detailed overview of the proposals, divided over the six Route Sections. Each section plan includes a Key Plan at variable scales to enable full visibility of the section on a single page with an index detailing how each section is split into multiple sheets. These sheet views for each Route Section shows the more detailed proposals of the refined scheme design presented at 1:2,500 scale. The specific location of the permanent infrastructure and wider areas identified for construction, operation and maintenance, while also providing as much context of the surrounding area as possible. The plans include the Proposed Route Alignment (encompassing indicative locations for pylons and overhead lines), proposed locations and site boundaries for the new substation, as well as the Draft Order Limits. The plans also show indicative temporary structures and areas for construction activities, existing pylons to be modified, and existing overhead lines to be reconfigured, dismantled or undergrounded. The wider transmission network 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 and 5.2.

4. What do the plans show?

4.1 Route Sections

4.1.1 Our Proposed Route Alignment and proposed site for the new Chesterfield Substation have been split into six Route Sections to make it easier for people to give feedback about any particular areas that they may wish to comment on.

4.1.2 The sections are:

- **Route Section 1:** Chesterfield to Tibshelf
- **Route Section 2:** Tibshelf to Ripley
- **Route Section 3:** Ripley to Morley
- **Route Section 4:** Morley to Ockbrook
- **Route Section 5:** Ockbrook to Aston-on-Trent
- **Route Section 6:** Aston-on-Trent to Willington

4.2 The Proposed Route Alignment

4.2.1 Consultation plans use the term ‘Indicative New Overhead Line’ when describing the proposed route.

4.2.2 The Indicative New Overhead Line (or Proposed Route Alignment) is a concept used to help communicate the potential route of the overhead line and has been developed taking into consideration feedback received during our Stage 1 consultation in 2024, as well as through ongoing survey work, engineering design studies and environmental assessment work to date.

4.2.3 The Indicative New Overhead Line shown on these consultation plans is subject to change following consideration of consultation feedback and ongoing design development.

draft Order limits

This is the proposed boundary within which all elements of the Project, including construction, operation, and associated works, may take place. These limits define the geographic area covered by the Development Consent Order (DCO) application and set the maximum extent of land or rights that may be required. The draft Order limits are shown as a solid red line.

Limits of Deviation

Limits of Deviation (LoD) represent the maximum indicative zone for permanent infrastructure. The LoD allows for the adjustment to the final positioning of the Project features to avoid localised features or unknown or unforeseeable issues that may arise following further survey and assessment work that would be undertaken ahead of construction should the Project receive development consent.

5. Key features

5.1.1 The key features shown on the consultation plans are summarised in the following tables:

Table 5.1 – Permanent key features

Permanent key features	Overview
Indicative zone for permanent assets (LoD)	Shows the Limits of Deviation (LoD) for the Project which is the indicative zone within which the new permanent assets (including those listed below) would be located.
Indicative new pylon location	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 gantries	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 – 400 kV	Shows the indicative position of the new proposed overhead line(s), 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 overhead line - not affected / affected	Shows the position of existing lattice pylon overhead lines within the draft Order limits including those sections proposed for modification as part of the Project, and those not affected by the proposals.
Indicative new Chesterfield Substation site boundary	Shows the outer boundary of the proposed new Chesterfield Substation site within which all permanent assets associated with the substation will be located.
Indicative new Chesterfield Substation permanent access road	Shows the location and route of the permanent access road proposed for the new Chesterfield Substation site for ongoing operation and maintenance.
Indicative new Chesterfield Substation attenuation ponds	Shows the location of permanent sustainable drainage basins proposed for installation as part of the drainage system design to manage the surface water drainage for the new Chesterfield Substation.
Indicative maintenance access routes	Access routes from public highways to pylons for maintenance as required. Final routes are subject to change pending further survey, consultation feedback and landowner agreement.
Existing underground cable - to be modified	Shows the position of existing underground cable within the draft order limits proposed for modification as part of the Project.

Table 5.2 – Temporary key features

Temporary key features	Overview
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 conductors strung between temporary structures.
Indicative access routes (haulage roads and scaffold accesses)	Shows the indicative location of access routes, including temporary haulage roads and access tracks required for construction phase.
Proposed access points	Shows the location of proposed access points (bellmouths and cross roads) on the local road network to facilitate access for construction traffic during the construction phase.
Indicative visibility splay	Areas near junctions between the public highway and the temporary construction accesses where visibility needs to be maintained for access and egress to ensure road safety. This typically involves vegetation management to ensure appropriate visibility.
Indicative pylon working areas for new pylons (suspension / tension) and existing pylons	Areas around the indicative locations of pylons within which construction activities will take place such as installation of pylon foundations and to assemble and erect the pylon structures. Typically these consist of a stone working area.
Indicative pylon stringing position	Areas located at tension and / or 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, equipment and materials such as conductor drums.
Indicative crossing protection	Areas within which structures (typically scaffolding) or other protective equipment will be temporarily installed to protect existing assets during the construction phase, for example roads or railways.

Temporary key features	Overview
Indicative construction compound	Areas within which site offices, welfare facilities, parking, and plant, equipment and material storage will be provided during the construction phase for both the substation and overhead line.
Indicative statutory undertaker diversion works	Areas within which works will be undertaken to underground, modify, or protect Statutory Undertaker assets, for example lower voltage distribution network overhead lines operated by the Distribution Network Operator (DNO), National Grid Electricity Distribution (NGED).
Indicative cable sealing end compounds	Shows the outer boundary of proposed temporary cable sealing end compounds within which cable sealing end structures will be located for the temporary diversion required to construct the new Chesterfield Substation.

6. How can I view the consultation plans?

6.1.1 Our consultation plans along with all other consultation materials are available to view on the Project website: **nationalgrid.com/chesterfieldtowillington**.

6.1.2 You can also view our consultation plans in person at one of our public information events.

6.1.3 Printed copies of the plans and other key consultation materials are available free of charge on request by emailing **chesterfield-willington@nationalgrid.com** or by calling **0808 073 1047**. Some detailed technical documents may be subject to a printing charge.

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 **Tuesday 28 April 2026**.

7.1.2 Feedback can be provided in several ways including:

online - complete the feedback form available on our Project website: **nationalgrid.com/chesterfieldtowillington**;

email - send your comments to **chesterfield-willington@nationalgrid.com**;

by post - write to us at **FREEPOST NATIONAL GRID PROJECTS (JBP)** no stamp or further address details are required;

phone - call us on freephone **0808 073 1047**. Lines are open Monday to Friday 9am–5:30pm, with an answerphone facility taking messages outside of these hours; and

in-person - attend one of our public information events or visit a local information point to collect a feedback form.

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