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# Navigation Document

## The Yorkshire and Humber (CCS Cross Country Pipeline) Development Consent Order

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

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# 1 Yorkshire and Humber Carbon Capture and Storage Cross Country Pipeline Development Consent Order

## 1.1 NAVIGATION DOCUMENT

1.1.1 This Navigation Document summarises the structure of National Grid’s application for development consent for the Yorkshire and Humber Carbon Capture and Storage (CCS) Cross Country Pipeline project (the “Onshore Scheme”) to the Secretary of State. Its purpose is to provide an understanding of the structure of National Grid’s application to help the reader navigate the application documents.

## 1.2 DOCUMENT VOLUMES

1.2.1 Due to the size and scale of the application, the various application documents have been grouped into seven Volumes for ease of reference. The different Volumes are shown illustratively below.



- 1.2.2 Each Volume has been colour-coded and, for ease of reference, these Volumes and their corresponding colour are consistent throughout all of the submission documentation. The illustration above is intended to convey the corresponding colours and relative scale of documentation for each Volume. The Volume title, colour and number of documents/plans/chapters within that particular Volume are included on the image.
- 1.2.3 The size of each Volume varies according to the number of individual documents, with several documents or chapters making up each Volume.
- 1.2.4 Extensive referencing has been used throughout the application documents and each deliverable has its own individual Document Reference number to help the reader navigate through the various application documents (e.g. Document 1.3 comprises the Application Form and Document 3.1 comprises the Draft Development Consent Order). Additionally, each document also outlines where the relevant principles of Overarching National Policy Statement for Energy (EN-1) are addressed.
- 1.2.5 The tables below summarise the principal contents within each Volume.

#### Volume 1.0 Application Form Functions

This Volume contains the **Application Form, Covering Letter** and copies of the **Newspaper Notices** publicising consultation.

Volume 1 also includes a comprehensive **List of Application Documents** and a **Navigation Document** which provides a high level overview of the submission documents and a brief description of their purpose.

#### Volume 2.0 Plans/Drawings/Sections

This Volume contains the various plans which accompany the application.

The **Land Plans, Work Plans** and **Access, Rights of Way and Stopping Up Plans** will form part of the DCO itself as they identify the Order Limits, the location of the works for which development consent is sought and the location of the Rights of Way that will be affected by the application.

The other plans consist of elevations and design drawings for infrastructure including the Pig Trap site, Multi-junction, Block Valves and parameters for the Pumping Station. Some of these plans are submitted for approval and others are for illustrative purposes only. The list of plans for approval can be found in the Draft Development Consent Order (Volume 3) and further detail on the design of

## Volume 2.0 Plans/Drawings/Sections

the Onshore Scheme can be found in the Design and Access Statement contained in Volume 7.0 'Other Documents'.

## Volume 3.0 Draft Development Consent Order

This Volume contains the **Draft Development Consent Order (DCO)** and the **Explanatory Memorandum**.

The Draft DCO contains the legal powers which are being applied for in order to construct and operate the Yorkshire and Humber CCS Cross Country Pipeline. The Draft DCO also contains a series of 'Requirements', similar to planning conditions which set out various controls if consent is granted.

The Explanatory Memorandum explains the purpose and effect of each provision of the Draft DCO. It also explains any differences between the provision in the Draft DCO and the general 'model provisions' for DCOs.

## Volume 4.0 Compulsory Acquisition Information

This Volume contains compulsory acquisition information comprising the **Statement of Reasons, Funding Statement** and **Book of Reference**.

Compulsory acquisition information is required because powers of compulsory purchase are being sought from the Secretary of State. The **Statement of Reasons** explains why the powers of compulsory acquisition are necessary in order to implement the Onshore Scheme, and why there is a compelling case in the public interest to grant those powers. The **Funding Statement** explains how the proposed compulsory acquisition would be funded and the **Book of Reference** sets out those interests over which powers of compulsory acquisition are sought.

## Volume 5.0 Reports/Statements

This Volume contains various reports and statements that are required in support of the application for development consent.

The **Consultation Report** presents the consultation activities which National Grid has carried out in relation to its proposals for the Yorkshire and Humber CCS

## Volume 5.0 Reports/Statements

Cross Country Pipeline project. It also details the responses to those consultation activities and how National Grid's proposals for the Onshore Scheme have taken the responses into account.

The **Flood Risk Assessment** assesses the potential sources of flood risk and identifies mitigation measures for the Onshore Scheme where appropriate.

The **Statement of Statutory Nuisance** considers whether the Onshore Scheme would engage any cases of statutory nuisance. Where any such matters arise, the statement sets out the proposals for mitigating or limiting them.

The **No Significant Effects Report** contains information detailing the relevant legislative framework and provides information for the relevant bodies to assess the Onshore Scheme under the necessary habitat legislation.

## Volume 6.0 Environmental Statement

Environmental Impact Assessment (EIA) is the process of identifying, evaluating and mitigating the likely significant environmental effects of a proposed development. It promotes the early identification and evaluation of the potentially significant environmental effects of a proposed development and enables appropriate mitigation (that is measures to avoid, reduce or offset adverse effects or enhance beneficial effects) to be identified and incorporated into the design of the proposed development, or commitments to be made to environmentally sensitive construction methods and practices.

Importantly the results of the EIA also ensure that decision makers are aware of a proposed development's potential environmental effects so that these may be considered before deciding whether or not to proceed with the development.

This Volume contains the **Environmental Statement** and associated annexed documents. The Environmental Statement sets out the assessment of the likely significant impacts of the Onshore Scheme on the environment. It comprises twenty chapters which are structured as follows:

- An **Introduction**;
- A chapter on **Onshore Scheme Development and Alternatives** which outlines how the Onshore Scheme has developed along with the alternatives that have been considered;
- The **Onshore Scheme Description** provides a description of the Onshore

## Volume 6.0 Environmental Statement

Scheme including how it will be constructed and how Above Ground Installations will appear;

- A chapter on **EIA Consultation**;
- A chapter outlining the **Environmental Impact Assessment Process** which describes the EIA of the Onshore Scheme and explains how impacts have been identified, assessed and mitigated.

The Environmental Statement then comprises twelve technical chapters which address each significant environmental consideration in turn. These include chapters on:

- **Water Resources and Flood Risk** which considers the effects of the Onshore Scheme on surface water resources, including commercial fisheries, drinking water abstractors, or water dependent nature conservation sites, as well as flood risk;
- **Geology, Hydrogeology and Ground Conditions** which considers the potential for any existing ground contamination affecting the Onshore Scheme as well as the potential effects of the Onshore Scheme on the soils, geological and hydrogeological characteristics;
- **Land Use and Agriculture** which assesses the potential effects of the Onshore Scheme on land use, including the agricultural land use;
- **Ecology and Nature Conservation** which considers the likely significant effects that the Onshore Scheme may have on the existing ecological features including wildlife and habitats;
- **Archaeology and Cultural Heritage** which considers the effects of the Onshore Scheme on archaeology and cultural heritage comprising previously recorded archaeological and heritage remains as well as designated assets such as Scheduled Monuments. The assessment also considers the potential for unrecorded or unknown archaeology to be uncovered in the course of construction of the Onshore Scheme;
- **Landscape and Visual Assessment** considers the Landscape effects of the Onshore Scheme; how it could change the character and quality of the landscape resource and how it is experienced. It also considers the effects of the Onshore Scheme insofar as how it could change views which are experienced, people's perception and their response to changes in visual amenity;
- **Air Quality** considers how the construction and decommissioning of the Onshore Scheme may affect air quality.
- **Noise and Vibration** considers the effects of noise and vibration

## Volume 6.0 Environmental Statement

generated during the construction, operation and decommissioning of the Onshore Scheme.

- **Traffic, Transport and Access** considers the potential environmental effects with regard to road users affected by construction traffic on the highway network as a result of the proposed Onshore Scheme. This chapter also includes the Transport Assessment.
- **Socio-Economics** considers the potential effects of the Onshore Scheme on the socio-economic resource.
- **Cumulative Effects Assessment** Cumulative effects are assessed in two parts: The 'Intra-scheme' effects which occur due to different aspects of the Onshore Scheme affecting a single receptor and the 'Inter-scheme' effects which occur as a result of the Onshore Scheme and other developments affecting the same receptor and resulting in an increased effect.
- **Summary of Residual Effects** summarises the residual effects of the Onshore Scheme on the assumption that the proposed mitigation measures have been implemented;

The Environmental Statement is brought together with the following final three chapters:

- **A Non Technical Summary;**
- **Statement of Combined Effects** which outlines the combined effects of the Onshore and Offshore Schemes.
- Finally a **Glossary and Acronyms** of terms is provided.

## Volume 7.0 Other Documents

This Volume contains various additional documents which National Grid has chosen to submit in support of the DCO.

The **Planning Statement** presents and reviews the Onshore Scheme in the context of the relevant planning policy.

The **Design and Access Statement** set out the design vision, principles and concepts of the Onshore Scheme.

The **Need Case** sets out the reasons why the Onshore Scheme is required.

The **Code of Construction Practice** proposes construction methods ensuring construction activities are carried out in accordance with relevant legislation and

## Volume 7.0 Other Documents

best practice guidance.

The **Construction Report** details the construction practices to be adopted by National Grid and its contractors throughout the construction process.

The **Drainage Report** sets out how issues of drainage will be dealt with along the full length of the Onshore Scheme. The Drainage Design plans are appended to this Report.

The **Proposed Scheme Report** provides a description of the Onshore Scheme and a summary of the project development process.