



**Northern
Endurance
Partnership**



Connection Application Form

April 2025

Use and interpretation of this document

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This document applies only if it is consistent with applicable legal and regulatory requirements.

Any recommendations or guidance are to help users to consider and evaluate potential options. Another approach may be appropriate.

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Contents

Use and interpretation of this document	2
Definitions and abbreviations	4
1 Introduction	5
2 Purpose of this document	6
3 Application guidance	7
3.1 Guidance	7
3.2 Next Steps	7
4 Connection application.....	8
5 Connection details	9
5.1 Site/ project overview	9
5.2 Delivery point description	9
5.3 Connection timeline	9
5.4 Capacity.....	9
5.5 Forecast data.....	9
5.6 Local requirements	10
5.7 Additional supporting documentation	10
5.8 Any other information	10

Definitions and abbreviations

CA	Confidentiality Agreement
Carbon Dioxide	A stream consisting overwhelmingly of carbon dioxide (CO ₂) molecules, and other components and as such, references to carbon dioxide being delivered into a network assume the total mass being delivered is carbon dioxide
CCS	Carbon Capture and Storage
COD	Commercial Operations Date of the delivery point. The date from which carbon dioxide is being delivered into the network that is not for commissioning purposes
Delivery Point	The point of connection between the network user facility and the Northern Endurance Partnership T&S network, where the user will deliver carbon dioxide into the network
Eligible Applicant	A prospective user that has been selected and not been deselected under the Selection Process, as defined under the CCS Network Code
HMG	His Majesty's Government
Local Requirements	Additional requirements to the network measurement requirements and carbon dioxide specifications that apply to a user's delivery point and/or measurement equipment at the users' delivery point.
Mt	Million tonnes of CO ₂
MTPAi	Million Tonnes per Annum of CO ₂ on an instantaneous basis
Network Capacity	The capacity in the T&S network for a particular quantity of CO ₂ to be delivered at one (1) or more delivery points, expressed in tCO ₂ /hour
Selection Process	The selection of network users by HMG under the Track-1 cluster sequencing process
T&S	Transportation and Storage

1 Introduction

The Northern Endurance Partnership (NEP) is developing onshore and offshore infrastructure needed to transport CO₂ from carbon capture projects across Teesside and the Humber – collectively known as the East Coast Cluster - to secure storage under the North Sea.

The infrastructure is crucial to achieving net zero in the UK’s most carbon intensive industrial regions.

NEP, via the Endurance saline aquifer and adjacent stores, has access to up to 1 billion tonnes of CO₂ storage capacity.

In December 2024, NEP announced financial close, giving the green light to proceed to the execution phase. NEP expects to commence construction from the middle of 2025 with start-up expected in 2028.

NEP is also progressing development work for the Humber Carbon Capture Pipeline - the proposed infrastructure that would transport CO₂ from carbon capture projects in the Humber region to secure offshore storage under the North Sea. The infrastructure would enable a connection to carbon capture projects in the Humber selected by DESNZ through the East Coast Cluster expansion process.

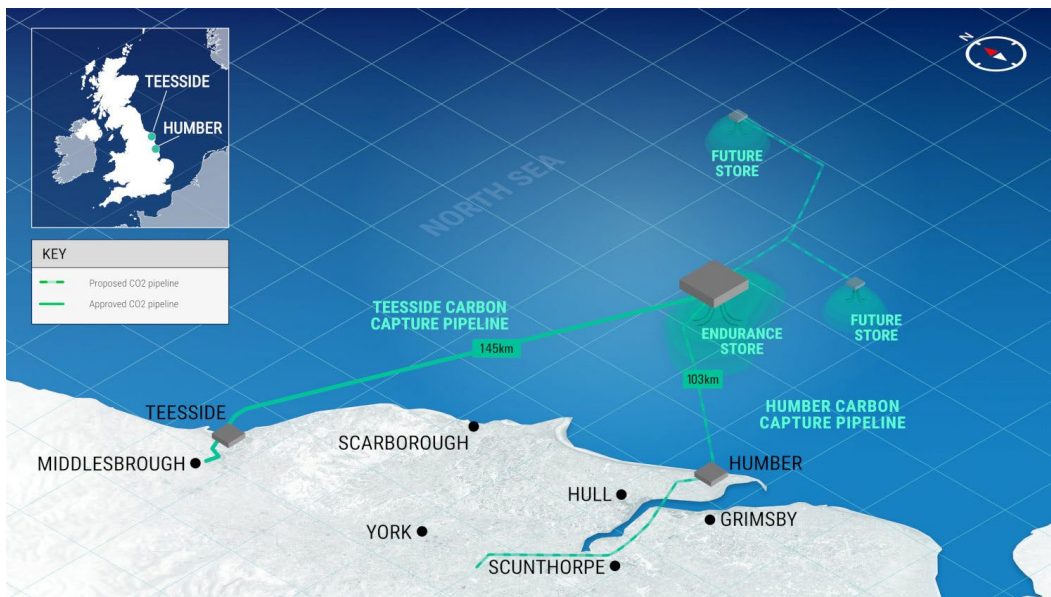


Figure 1: Overview of Northern Endurance Partnership

2 Purpose of this document

In accordance with Section C 6.1 of the CCS Network Code, where an eligible applicant wishes to request a connection to the T&S Network at a new delivery point or to modify an existing delivery point, they must complete and submit a connection application to the T&SCo, in the form prescribed by the T&SCo.

This connection application form has been prepared and published on the basis that eligible applicants provide NEP with the information required in Section C 6.2-6.4 of the CCS Network Code to help develop a connection offer.

Please note that NEP can only currently accept connection applications from prospective users who have been selected under the Selection Process.

3 Application guidance

3.1 Guidance

Please complete the fields in Sections 4 and 5, then submit the application to enquiries@northernendurancepartnership.co.uk.

Detailed guidance is provided in *italics* for each item in the application. Please delete this text in the application.

All information must be provided as indicated, including the additional supporting documentation, for the application to be deemed valid. NEP will inform the applicant whether the application is valid, or whether additional information is needed to progress the application within twenty (20) days of receipt. The applicant will have fifteen (15) days to provide any additional information as requested to progress the application.

Potential Users are required to enter a Confidential Agreement (CA) with NEP prior to submitting the connection application.

All information provided will be treated confidentially, in accordance with the terms of the Confidentiality Agreement (CA).

3.2 Next Steps

NEP will respond to valid applications within three (3) months to issue an initial offer or advise whether the application has been rejected.

The initial offer will contain:

- a draft construction agreement;
- a draft connection agreement; and
- a draft Code Accession Agreement.

Further details of steps beyond this will also be provided in the initial offer.

4 Connection application

[date]

Net Zero Storage Limited
Chertsey Road
Sunbury on Thames
TW16 7LN

Reference: Northern Endurance Partnership Connection Application

To Net Zero North Sea Storage Limited,

Following formal selection by HMG under the CCS Cluster Sequencing Process, [*Insert company name*] is writing to submit a connection application for [*insert site/project name*] to [*connect / modify its existing delivery point*] to the Northern Endurance Partnership CO₂ Transportation and Storage network, in accordance with Section C of the CCS Network Code.

Please find enclosed up-to-date connection details in Section 5, as required, to progress the application.

Yours Faithfully

[*insert name, role and company*]

5 Connection details

5.1 Site/ project overview

[Brief overview of site and project]

[Exact location of the site]

[Classification of user type, as indicated in Selection Process]

5.2 Delivery point description

- **Size**

[Proposed size of connection point, in terms of maximum throughput it should be designed for]

- **Location**

[Proposed exact location of delivery point, with grid coordinates and description]

- **Re-use Service Requirements**

[Details on whether the project proposes to require a re-use service at the delivery point]

5.3 Connection timeline

- **Commissioning**

[The date at which the project proposes to commission the new or amended delivery point]

- **Commercial Operations**

[The proposed commercial operations date (COD) for the new or amended delivery point]

5.4 Capacity

[The quantity of network capacity provisionally allocated through the Selection Process, in terms of tCO₂/hour and the period that this will apply for]

5.5 Forecast data

[Complete the following table for the first 20 years of operation from the commercial operations date of the delivery point]

Year	Forecast annual quantity	Capacity requirement
<i>[COD]</i>	<i>[Annual total quantity of carbon dioxide projected to be delivered into the T&S network through the delivery point in Mt]</i>	<i>[Network capacity requirement based on maximum instantaneous flow of carbon dioxide being delivered into the T&S network through the delivery point in MTPA]</i>
<i>[COD + 1]</i>	<i>[...]</i>	<i>[...]</i>
<i>[COD + 2]</i>	<i>[...]</i>	<i>[...]</i>

[COD + 3]	[...]	[...]
[COD + 4]	[...]	[...]
[COD + 5]	[...]	[...]
[COD + 6]	[...]	[...]
[COD + 7]	[...]	[...]
[COD + 8]	[...]	[...]
[COD + 9]	[...]	[...]
[COD + 10]	[...]	[...]
[COD + 11]	[...]	[...]
[COD + 12]	[...]	[...]
[COD + 13]	[...]	[...]
[COD + 14]	[...]	[...]
[COD + 15]	[...]	[...]
[COD + 16]	[...]	[...]
[COD + 17]	[...]	[...]
[COD + 18]	[...]	[...]
[COD + 19]	[...]	[...]

5.6 Local requirements

In submitting this connection application, [*insert company name*] confirms that they will comply with the Network Entry Specifications, as defined under Section F of the CCS Network Code. These include the Carbon Dioxide Specification and Measurement Requirements in Part 1 of Annexures B and C of the CCS Network Code.

The Entry Specifications also include Local Requirements, which are additional or alternative technical requirements to the Carbon Dioxide Specifications and Measurement Requirements that will apply to the applicant's delivery point due to the nature of the applicant's facility or particular operating processes, or which otherwise reasonably warrant a deviation.

[*Indicate any proposed Local Requirements, as defined above*]

5.7 Additional supporting documentation

[*Attach documented evidence that the project has been selected in the selection process, original selection details and copies of any documentation that were originally submitted in under the selection process*]

5.8 Any other information

[*Provide any other information that the applicant believes relevant to the connection application*]