

# Net Zero Teesside Project

Planning Inspectorate Reference: EN010103

Land at and in the vicinity of the former Redcar Steel Works site, Redcar and in Stockton-on-Tees, Teesside

The Net Zero Teesside Order

Document Reference: 9.40 Applicants' Further Response to SWQ CA.2.19

Planning Act 2008



Applicants: Net Zero Teesside Power Limited (NZN Power Ltd) & Net Zero North Sea Storage Limited (NZNS Storage Ltd)

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## GLOSSARY

<b>Abbreviation</b>	<b>Description</b>
AOD	Above ordnance datum
AS-	Additional Submissions
BAT	Best Available Techniques
BEIS	The Department for Business, Energy and Industrial Strategy
CCGT	Combined Cycle Gas Turbine
CCUS	Carbon Capture, Utilisation and Storage
CEMP	Construction and Environmental Management Plan
CTMP	Construction Traffic Management Plan
CO <sub>2</sub>	Carbon dioxide
CPO	Compulsory Purchase Order
dB	Decibels
DCO	Development Consent Order
dDCO	Draft Development Consent Order
EIA	Environmental Impact Assessment
EPC	Engineering, Procurement and Construction
ES	Environmental Statement
ETS	Emissions Trading Scheme
ExA	Examining Authority
FEED	Front end engineering and design
FRA	Flood Risk Assessment
Ha	Hectares
HDD	Horizontal Directional Drilling
HIA	Hydrogeological Impact Appraisal
HoT	Heads of Terms
kV	Kilovolts
MHWS	Mean High Water Springs
MLWS	Mean Low Water Springs
Mt	Million tonnes

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NATS	National Air Traffic Services
NSIP	Nationally Significant Infrastructure Project
NWL	Northumbria Water Lagoon
NZT	The Net Zero Teesside Project
NZT Power	Net Zero Teesside Power Limited
NZNS Storage	Net Zero North Sea Storage Limited
PA 2008	Planning Act 2008
PCC	Power Capture and Compressor Site
PDA-	Procedural Deadline A
PINS	Planning Inspectorate
RCBC	Redcar and Cleveland Borough Council
RR	Relevant Representation
SBC	Stockton Borough Council
SEL	Sound Exposure Level
SPA	Special Protection Areas
SoCG	Statement of Common Ground
SoS	Secretary of State
STDC	South Tees Development Corporation
SuDS	Sustainable urban drainage systems
UXO	Unexploded Ordnance
WFD	Water Framework Directive

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## 1.0 INTRODUCTION

### 1.1 Overview

- 1.1.1 This further response to the Examining Authority's SWQ CA.2.19 (Document Ref. 9.40) has been prepared on behalf of Net Zero Teesside Power Limited and Net Zero North Sea Storage Limited (the 'Applicants'). It relates to the application (the 'Application') for a Development Consent Order (a 'DCO'), that has been submitted to the Secretary of State (the 'SoS') for Business, Energy and Industrial Strategy ('BEIS'), under Section 37 of 'The Planning Act 2008' (the 'PA 2008') for the Net Zero Teesside Project (the 'Proposed Development').
- 1.1.2 The Application was submitted to the SoS on 19 July 2021 and was accepted for Examination on 16 August 2021. Change requests made by the Applicants in respect of the Application were accepted into the Examination by the Examining Authority on 6 May 2022 and 6 September 2022.

### 1.2 Description of the Proposed Development

- 1.2.1 The Proposed Development will work by capturing CO<sub>2</sub> from a new the gas-fired power station in addition to a cluster of local industries on Teesside and transporting it via a CO<sub>2</sub> transport pipeline to the Endurance saline aquifer under the North Sea. The Proposed Development will initially capture and transport up to 4Mt of CO<sub>2</sub> per annum, although the CO<sub>2</sub> transport pipeline has the capacity to accommodate up to 10Mt of CO<sub>2</sub> per annum thereby allowing for future expansion.
- 1.2.2 The Proposed Development comprises the following elements:
- **Work Number ('Work No.') 1** – a Combined Cycle Gas Turbine electricity generating station with an electrical output of up to 860 megawatts and post-combustion carbon capture plant (the '**Low Carbon Electricity Generating Station**');
  - **Work No. 2** – a natural gas supply connection and Above Ground Installations ('AGIs') (the '**Gas Connection Corridor**');
  - **Work No. 3** – an electricity grid connection (the '**Electrical Connection**');
  - **Work No. 4** – water supply connections (the '**Water Supply Connection Corridor**');
  - **Work No. 5** – waste water disposal connections (the '**Water Discharge Connection Corridor**');
  - **Work No. 6** – a CO<sub>2</sub> gathering network (including connections under the tidal River Tees) to collect and transport the captured CO<sub>2</sub> from industrial emitters (the industrial emitters using the gathering network will be responsible for consenting their own carbon capture plant and connections to the gathering network) (the '**CO<sub>2</sub> Gathering Network Corridor**');
  - **Work No. 7** – a high-pressure CO<sub>2</sub> compressor station to receive and compress the captured CO<sub>2</sub> from the Low Carbon Electricity Generating Station and the CO<sub>2</sub>

Gathering Network before it is transported offshore (the '**HP Compressor Station**');

- **Work No. 8** – a dense phase CO<sub>2</sub> export pipeline for the onward transport of the captured and compressed CO<sub>2</sub> to the Endurance saline aquifer under the North Sea (the '**CO<sub>2</sub> Export Pipeline**');
- **Work No. 9** – temporary construction and laydown areas, including contractor compounds, construction staff welfare and vehicle parking for use during the construction phase of the Proposed Development (the '**Laydown Areas**'); and
- **Work No. 10** – access and highway improvement works (the '**Access and Highway Works**').

1.2.3 The electricity generating station, its post-combustion carbon capture plant and the CO<sub>2</sub> compressor station will be located on part of the South Tees Development Corporation (STDC) Teesworks area (on part of the former Redcar Steel Works Site). The CO<sub>2</sub> export pipeline will also start in this location before heading offshore. The generating station connections and the CO<sub>2</sub> gathering network will require corridors of land within the administrative areas of both Redcar and Cleveland and Stockton-on-Tees Borough Councils, including crossings beneath the River Tees.

### **1.3 The Purpose and Structure of this document**

1.3.1 The purpose of this document is to provide a further response to CA.2.19, which was published by the ExA on 9 August 2022.

## 2.0 FURTHER RESPONSE TO CA.2.19

- 2.1.1 The Applicants have continued to engage with the Crown's representative and agreed principal heads of terms in early June 2022. The Applicants have been proactively answering the Crown's queries on their land interests in the DCO Order limits. The Crown's representative has raised a query in relation to land within sheet 9 of the land plans. The Applicants are working with the Crown to confirm if they have any interest in this land.
- 2.1.2 The Applicants expect that once the above point is confirmed the matter can progress to solicitors and it is anticipated that heads of terms will be with each parties' solicitors before the end of examination.
- 2.1.3 The Crown have confirmed that a S135 consent will be granted in relation to the land within the Order limits and it is anticipated that this will be issued prior to the end of examination. A further update will be provided at the next Deadlines.
- 2.1.4 In response to the second request contained within CA.2.19, the Applicants remain confident that s. 135 consent will be obtained soon. Given the linear nature of parts of the Proposed Development (in particular those interacting with Crown land), there is a requirement for the use of Crown land to construct and operate it.
- 2.1.5 The Applicants do not consider it to be unusual that s.135 consent has not yet been granted, noting that there are a large number of precedent examples where s. 135 consent has been granted either very late in an Examination, or after the close of Examination, prior to the grant of the Order by the Secretary of State. The Applicants acknowledge that the earlier the consent is granted the clearer the position for the Examining Authority, but consider that the Examining Authority would be able to report to the Secretary of State that the DCO should be granted subject to Crown consent being obtained.
- 2.1.6 A review of DCO Decisions (where Crown land is required) reveals the often late stage at which Crown consent is commonly obtained. A select few are:
- Tilbury2 – Crown consent given circa one month before Secretary of State decision published.
  - Eggborough CCGT Generating Station – Crown consent given circa one month before Secretary of State decision published.
  - Richborough Connection Project – date of Crown consent was not specified however the Secretary of State's decision letter confirms that Crown consent was obtained following their receipt of the Examining Authority's recommendation report but before the issuing of the decision letter.
  - Brechfa Forest connection – s135(1) consent given circa one month before the Secretary of State's decision was published; s135(2) consent given the day before the decision was published.
  - River Humber Gas Pipeline Replacement Project – Crown consent given on the day the Secretary of State's decision was published.

- M4 Junctions 3 to 12 Smart Motorway – Crown consent given circa four weeks before the Secretary of State's decision was published.
- North Wales Wind Farms Connection – Crown consent given the day before the Secretary of State's decision was published.

2.1.7 As mentioned above, the Applicants anticipate that Crown consent will be in place prior to the close of Examination. A further update will be provided at Compulsory Acquisition Hearing 3.