

The Drax Power (Generating Stations) Order

Land at, and in the vicinity of, Drax Power Station, near Selby, North Yorkshire

Application Guide



The Planning Act 2008
The Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 – Regulation 5(2)(q)

Drax Power Limited

Drax Repower Project

Applicant: DRAX POWER LIMITED
Date: July 2018
Document Ref: 1.2
PINS Ref: EN010091

Document History

Document Ref	1.2
Revision	003
Author	Hebe Jenner
Signed	Date 09/07/2018
Approved By	Lara Peter
Signed	Date 09/07/2018
Document Owner	WSP UK Limited

Glossary

Abbreviation	Description
Above Ground Installation (AGI)	<p>The Minimum Offtake Connection (MOC) which will be operated by National Grid Gas and the PIG Trap Launching station (PTF-L) which will be operated by Drax.</p> <p>The AGI is described as Work No. 6 in Schedule 1 of the draft DCO submitted with the DCO Application.</p>
Associated Development	<p>Associated development is defined by section 115(2) of the Planning Act 2008 as development which is associated with a Nationally Significant Infrastructure Project (NSIP). In the case of the Proposed Scheme, the term Associated Development includes:</p> <ul style="list-style-type: none"> - the up to two gas insulated switchgear banking buildings (described as Work No. 4 in Schedule 1 of the draft DCO); - the natural gas receiving facility and natural gas compression building (described as Work No. 5 in Schedule 1 of the draft DCO); - the AGI (described as Work No. 6 in Schedule 1 of the draft DCO); - the Gas Pipeline (described in Work No. 7 in Schedule 1 of the draft DCO); - the electrical connections to the existing 400 kilovolt National Grid substation (described in Work No. 8 in Schedule 1 of the draft DCO); - temporary construction laydown areas (described in Work No. 9 in Schedule 1 of the draft DCO); - landscaping and biodiversity enhancement measures (described in Work No. 11 in Schedule 1 of the draft DCO); - decommissioning and demolition of sludge lagoons and construction of replacement sludge lagoons (described in Work No. 12 in Schedule 1 of the draft DCO); - removal of existing 132 kilovolt overhead line and associated towers and foundations (described in Work No. 13 in Schedule 1 of the draft DCO); - passing place on Rusholme Lane (described in Work No. 14 in Schedule 1 of the draft DCO); - the Site Reconfiguration Works (described in Work No. 15 in Schedule 1 of the draft DCO); and - further associated development as set out in Schedule 1 of the draft DCO. <p>These developments are associated with the NSIP i.e. Unit X and Unit Y and the battery storage facilities (described in Work Nos. 1-3 in Schedule 1 of the draft DCO).</p>
The APFP Regulations	The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009.
Application	The DCO Application
The Applicant	Drax Power Ltd.
Combined Cycle Gas Turbine (CCGT)	A combined cycle gas turbine is an assembly of turbines that convert heat into mechanical energy.

	<p>Combustion of a fuel within a gas turbine produces hot gases that expand over a complex series of blades that cause the turbine to rotate which in turn drives an electrical generator. The principle of combined cycle is that the exhaust gases from the turbine are used as a heat source in a heat recovery steam generator (HRSG), increasing the system's overall efficiency by utilising energy from the fuel that would otherwise be wasted.</p>
Consultation Documents	<p>These are “<i>the documents, plans and maps showing the nature and location of the proposed development</i>” as referred to in Regulation 4(3)(e) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. With respect to the Proposed Scheme, the Consultation Documents consisted of: the Statement of Community Consultation (SoCC), the Preliminary Environmental Information Report (PEIR) (required pursuant to Regulation 12 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017) including the PEIR Non-Technical Summary, an information leaflet and a project overview report. These documents can be found at Appendices 6.0 and 21.0 of the Consultation Report (document ref. 5.1).</p>
Development Consent Order (DCO)	<p>A Development Consent Order (DCO) is made by the Secretary of State (SoS) pursuant to the Planning Act 2008 (PA 2008) to authorise a Nationally Significant Infrastructure Project (NSIP).</p>
Drax Power Station	<p>The existing biomass and coal fired power generation facility at the Existing Drax Power Station Complex.</p>
Environmental Statement	<p>A statement that includes the information that is reasonably required to assess the environmental effects of a development and which the applicant can, having regard in particular to current knowledge and methods of assessment, reasonably be required to compile, but that includes at least the information required in the EIA Regulations 2017 and which is prepared in accordance with the latest Scoping Opinion adopted by the Secretary of State (where relevant).</p>
Gas Pipeline	<p>The approximately 3 km underground pipeline which connects the Gas Receiving Facility to the National Transmission System.</p> <p>The Gas Pipeline is described as Work No. 7 in Schedule 1 of the draft DCO submitted with the DCO Application.</p>
Gas Turbine	<p>Gas turbines produce electricity. Air is drawn into the compressor of the gas turbine and is compressed. The fuel is then injected into the combustion chamber. The mixture of fuel and compressed air is ignited, producing gases at high temperatures. As the gas expands, it rotates the turbine to produce electricity.</p> <p>The gas turbines form part of Work No. 1A (which includes up to two gas turbines in connection with Unit X) and Work No. 2A (which includes up to two gas turbines in connection with Unit Y) in Schedule 1 of the draft DCO submitted with the DCO Application.</p>

Heat Recovery Steam Generators (HRSG)	<p>HRSGs recover the hot flue gases from the Gas Turbines. The heat is used to produce steam that will drive the existing steam turbines. HRSGs are required where the generating station is operating in CCGT mode.</p> <p>The HRSGs form part of Work No. 1A (up to two HRSGs in connection with Unit X) and Work No. 2A (up to two HRSGs in connection with Unit Y) in Schedule 1 of the draft DCO submitted with the DCO Application.</p>
Local Planning Authority (LPA)	The local authority or council that is empowered by law to exercise statutory town planning functions for a particular area of the United Kingdom.
Minimum Offtake Connection (MOC)	<p>The Minimum Offtake Connection will be part of the AGI to be owned and operated by National Grid. The MOC will provide the gas connection to the National Grid Natural Transmission System.</p> <p>The MOC is described as Work No. 6A in Schedule 1 of the draft DCO submitted with the DCO Application.</p>
National Planning Policy Framework (NPPF)	A document that sets out government's planning policies for England and how these are expected to be applied.
National Policy Statement (NPS)	Overarching policy designated under the Planning Act 2008 concerning the planning and consenting of NSIPs in the UK.
Nationally Significant Infrastructure Project (NSIP)	<p>A project meeting the criteria for a “nationally significant infrastructure project” set out in section 14 of the Planning Act 2008, and therefore requiring authorisation under the PA 2008 by way of a DCO.</p> <p>The Proposed Scheme constitutes a Nationally Significant Infrastructure Project (NSIP) by virtue of s.14(1)(a) and s.15 of the PA 2008 as it is an onshore generating station in England of 50 MW capacity or more.</p>
The Order	The DCO which, if made by the SoS, will authorise the construction and operation of the Proposed Scheme and which will be known as “The Drax Power (Generating Stations) Order”.
Open Cycle Gas Turbine (OCGT)	<p>An open cycle gas turbine converts heat into mechanical energy.</p> <p>Combustion of a fuel within a gas turbine produces hot gases that expand over a complex series of blades that cause the turbine to rotate which in turn drives an electrical generator.</p>
Pipeline Area	The area required in connection with the construction, operation and maintenance of the Gas Pipeline, the AGI and the GRF, comprising the Pipeline Construction Area and the Pipeline Operational Area.
Pipeline Construction Area	The extent of land needed for the construction phase of the Gas Pipeline, the AGI, the GRF and the Rusholme Lane Area.
Pipeline Operational Area	The area within which the Gas Pipeline, the AGI and the GRF will be situated once constructed.

<p>Pipeline Inspection Gauge (PIG) Trap Facility (PTF)</p>	<p>System to allow remote cleaning of long stretches of pipeline. Will have a launching (PTF-L) and a receiving (PTF-R) either side of the pipeline stretch.</p>
<p>Planning Inspectorate (PINS)</p>	<p>The government agency responsible for administering and examining applications for development consent for NSIPs under the Planning Act 2008 on behalf of the SoS.</p>
<p>Power Station Site</p>	<p>Areas within the Existing Drax Power Station Complex where:</p> <ol style="list-style-type: none"> 1. The Site Reconfiguration Works are proposed to take place; 2. The temporary construction Laydown Area is to be located described in Work No. 9A in Schedule 1 of the draft DCO submitted with the DCO Application; 3. The Generating station equipment is proposed to be located; 4. The Electrical connection is proposed to be located; and 5. The decommissioning and demolition of sludge lagoons and construction of replacement sludge lagoons is proposed to take place, described as Work No. 12 in Schedule 1 of the draft DCO submitted with the DCO Application.
<p>Proposed Scheme</p>	<p>Drax Power Limited is proposing to repower up to two existing coal-powered generating units (Units 5 and 6) at the Existing Drax Power Station Complex with new gas turbines that can operate in both combined cycle and open cycle modes. The term "repower" is used as existing infrastructure, such as the steam turbine and cooling towers, that are currently used for the coal fired units would be reutilised for the new gas fired generating units/stations. The repowered units (which each constitute a new gas fired generating station) would have a new combined capacity of up to 3,600 MW in combined cycle mode (1,800 MW each), replacing existing units with a combined capacity to generate up to 1,320 MW (660 MW each). This is explained further below:</p> <p>Each gas generating station would have up to two gas turbines, with each gas turbine powering a dedicated generator of up to 600 MW in capacity. The gas turbines in each generating station (or unit), therefore, would have a combined capacity of up to 1,200 MW. The gas turbines in each generating station (or unit), in combined cycle mode, would provide steam to the existing steam turbine (through Heat Recovery Steam Generators (HRSGs)) which would generate up to 600 MW per unit. Each unit would have up to two HRSGs. This results in a capacity for each generating station of up to 1,800 MW and, should both units be repowered, a combined capacity of up to 3,600 MW. The new gas turbine generating units have been designated the terms "Unit X" and "Unit Y". In OCGT mode, the combined capacity would be up to 2,400MW (as in OCGT mode, there would be no HRSG capacity). Each unit would have (subject to technology and commercial considerations) a battery energy storage facility with a capacity of up to 100 MW per unit, resulting in a combined battery energy storage capacity of up to 200 MW. All battery units would be stored in a single building.</p>

	<p>The total combined capacity of the two gas fired generating stations and two battery storage facilities (i.e. the total combined capacity of the Proposed Scheme) is therefore 3,800 MW.</p> <p>Drax is seeking consent for the flexibility to either: Repower one unit (either Unit 5 or 6) and construct Unit X as a gas fired generating station; or Repower both Units 5 and 6 and construct Unit X and Unit Y as two gas fired generating stations.</p> <p>In the single unit scenario, up to two gas turbines and up to two HRSGs and (subject to technology and commercial considerations) a battery energy storage facility of up to 100 MW storage capacity would be constructed. The size of the building housing the battery storage facility would not change, as the building could house one larger battery which would allow the 100 MW output to be sustained for a longer duration. However, the fuel gas station and gas insulated switchgear would be smaller.</p> <p>In the event that two units are repowered and two new generating stations are constructed, then construction works would be undertaken consecutively rather than concurrently.</p> <p>In order to repower to gas, a new Gas Pipeline would be constructed from the Existing Drax Power Station Complex to the National Transmission System (NTS) operated by National Grid. Pipeline infrastructure would be the same for both one and two unit scenarios.</p> <p>A gas receiving facility (GRF) comprising Pipeline Inspection Gauge (PIG) Trap Facility (PTF), Pressure Reduction and Metering Station (PRMS) and compressor station is proposed south of woodland to the east of New Road. At the connection to the NTS there will be an AGI comprising - a Pig Trap Launching station (PTF-L) which will be operated by Drax, and a Minimum Offtake Connection (MOC), which will be operated by National Grid.</p> <p>The Proposed Scheme includes the Site Reconfiguration Works and the Electrical connection.</p> <p>Drax's Proposed Scheme is described in more detail in Chapter 3 (Site and Project Description) of the ES Volume 1 (Document Ref .6.1).</p> <p>Schedule 1 of the draft DCO submitted with the DCO Application lists out the elements comprised within the Proposed Scheme.</p>
Rusholme Lane Area	Area required for passing places during the construction of the Gas Pipeline, AGI and GRF (described as Work No. 14 in Schedule 1 to the draft DCO submitted with the DCO Application).
Scoping	An exercise undertaken pursuant to regulation 10 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 to determine the topics to be addressed within the Environmental Statement.
Site	The Site refers to the Power Station Site, the Carbon capture readiness reserve space (which is also the location of temporary construction laydown described as Work No. 9B in Schedule 1 to the draft DCO submitted with the DCO Application) and the Pipeline Area.

Site Boundary	The Site Boundary refers to the outer perimeter of the Site.
Site Reconfiguration Works / Stage 0	<p>The Site Reconfiguration Works or Stage 0 refers to the works described below that are necessary to prepare the Power Station Site for the construction of the generating station equipment and the electrical connection. The works comprise:</p> <ol style="list-style-type: none"> 1. Demolition of the private squash court (no replacement), Learning Centre (consolidated into existing facilities); and 2. Demolition of and reconstruction of car parking, turbine outage stores, contractor's compounds and welfare facilities. 3. Construction of a cooling water spray screen between relocated facilities and the southern cooling towers. <p>The Site Reconfiguration Works are the subject of a separate planning application under the TCPA (applied for in February 2018 and given reference no. PP-06688208v1) and are also included as part of the Proposed Scheme in the DCO Application, and may be carried out under either:</p> <ol style="list-style-type: none"> 1. Any TCPA planning permission that may be granted; or 2. The Order. <p>The Site Reconfiguration Works are described in Work No. 15 in Schedule 1 of the draft DCO submitted with the DCO Application.</p>
Stage 1	<p>This stage assumes that the Site Reconfiguration Works have been completed (either under a TCPA planning permission or under the DCO for the Proposed Scheme).</p> <p>This stage refers to the construction of Unit X, along with the construction of the Gas Pipeline, the GRF, the AGI, the battery storage facility for Unit X, and the building to house the battery storage (for both Units X and Y).</p> <p>During this stage one coal unit (either 5 or 6) continues to operate while Unit X is being constructed.</p>
Stage 2	<p>This stage refers to the operation and maintenance of Unit X, the Gas Pipeline, the GRF, the AGI and the battery storage facility and the construction of Unit Y (including the installation of 100MW storage capability into the battery storage building constructed under Stage 1).</p> <p>The construction of Unit Y is assumed to take place 12 months after Unit X is complete, however this could be longer.</p> <p>If Unit Y is not built then this Stage 2 is a worst case assessment of the operation of Unit X.</p> <p>The construction laydown areas associated with the construction of the Gas Pipeline, GRF and AGIs will be reinstated during this stage.</p>

Stage 3	<p>This stage refers to the operation and maintenance of Unit X, Unit Y, the Gas Pipeline, the AGI, the GRF and the battery storage facility.</p> <p>The remaining construction laydown/parking areas (associated with the construction of Units X and Y) will be reinstated after Unit Y is built.</p>
Unit X	<p>The construction of a gas fired generating station capable of operating in CCGT and OCGT modes and which would have a generating capacity of up to 1,800 MW. Unit X would be connected to a battery storage facility, with a capability of up to 100MW. The total output from Unit X would be 1,900MW.</p> <p>Unit X is described in Work No. 1 of Schedule 1 to the draft DCO submitted with the DCO Application.</p>
Unit Y	<p>The construction of a gas fired generating station capable of operating in CCGT and OCGT modes and which would have a generating capacity of up to 1,800 MW. Unit Y would be connected to a battery storage facility, with a capability of up to 100MW. The total output from Unit Y would be 1,900MW.</p> <p>Unit Y is described in Work No. 2 of Schedule 1 to the draft DCO submitted with the DCO Application.</p>

Abbreviations

Abbreviation	Term in full
AGI	Above Ground Installation
AOD	Above Ordnance Datum
APFP	Applications: Prescribed Forms and Procedure
CCGT	Combined Cycle Gas Turbine
CCR	Carbon Capture Readiness
CEMP	Construction Environmental Management Plan
DCLG	Department for Communities and Local Government
DCO	Development Consent Order
EIA	Environmental Impact Assessment
ES	Environmental Statement
ExA	Examining Authority
GRF	Gas Receiving Facility
HRA	Habitat Regulations Assessment
HRSG	Heat Recovery Steam Generators
km	Kilometres
MOC	Minimum Offtake Connection
MW	Megawatts
NETS	National Electricity Transmission System
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NSIP	Nationally Significant Infrastructure Project
NTS	National Transmission System
NYCC	North Yorkshire County Council
OCGT	Open Cycle Gas Turbine
PA 2008	Planning Act 2008 (as amended)
PIG	Pipeline Inspection Gauge
PINS	Planning Inspectorate
PRMS	Pressure Reduction and Metering Station
PRoW	Public Rights of Way
PTF-L	Pig Trap Launching
SDC	Selby District Council

SoCC	Statement of Community Consultation
SoS	Secretary of State
TCPA 1990	Town and Country Planning Act 1990 (as amended)
ZTV	Zone of Theoretical Visibility

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EXECUTIVE SUMMARY

1. This Application Guide provides an overview of the Proposed Scheme and the documents that make up the Development Consent Order (DCO) Application (the Application) submitted by Drax Power Limited (Drax or the Applicant) to the Secretary of State (SoS) for Business, Energy and Industrial Strategy under section 37 of The Planning Act 2008 (the PA 2008). This is to allow readers of the Application to easily find the information they are looking for. It is a live document that will be updated to record the latest version of all documents.
2. The submitted documents have been grouped together into folder categories, in line with the Planning Inspectorate's website. These are as follows:
 1. Application Form
 2. Plans
 3. Draft Development Consent Orders
 4. Compulsory Acquisition Information
 5. Reports
 6. Environmental Statement
 7. Other
3. Each of the documents that make up the Applications have been given a unique document reference number in accordance with the Planning Inspectorate (PINS) advice note six, so they can be easily identified.

INTRODUCTION

1. Overview

- 1.1 This Application Guide (document reference 1.2) has been prepared on behalf of Drax Power Limited (Drax or the Applicant) to support the Application for a Development Consent Order (DCO) (the Application) that has been submitted to the Secretary of State (SoS) for Business, Energy and Industrial Strategy under section 37 of The Planning Act 2008 (the PA 2008).
- 1.2 The Applicant is seeking a DCO for the repowering of up to two existing coal-powered generating units (Units 5 and 6) at the Existing Drax Power Station Complex (described in Chapter 3 of the Environmental Statement (ES) Volume 1 (document reference 6.1), with a combined capacity of up to 3,600 MW in combined cycle mode, including a new gas supply pipeline connection, battery storage of up to 100 MW per unit (subject to technology and commercial considerations) and other associated development (together referred to as the Proposed Scheme) on land at and in the vicinity of the Existing Drax Power Station Complex.
- 1.3 A DCO is required for the Proposed Scheme as it falls within the definition and thresholds for a Nationally Significant Infrastructure Project (NSIP) under the PA 2008 under sections 14 and 15(2) of the PA 2008.
- 1.4 The DCO, if made by the SoS for Business, Energy and Industrial Strategy, would be known as The Drax Power (Generating Stations) Order.

2. The Purpose of this Document

- 2.1 This Application Guide provides a brief overview of the Proposed Scheme and signposts to the documents that make up the Application submitted to the SoS, so that readers of the Application can easily find the information that they are looking for. This guide is a live document that will be updated to record the latest version of all documents submitted as part of the application process.
- 2.2 Regulation 5 of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended) (the APFP Regulations) sets out the documents that all DCO applications must include. It also provides for the submission of “*any other documents considered necessary to support the application*” as well as “*any other plans, drawings and sections necessary to describe the proposals.*”
- 2.3 Regulation 6 of the APFP Regulations sets out the specific documentation required in support of DCO applications for particular types of development, including generating stations and pipelines.
- 2.4 The Proposed Scheme constitutes Environmental Impact Assessment (EIA) development and, therefore, the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations) and requirements contained therein apply.
- 2.5 This document provides a brief overview of the documents that have been submitted to satisfy the above Regulations.

3. Application Documents

3.1 The documents submitted in support of the Application have been grouped together as per the following folder categories on the Planning Inspectorate's (PINS) project website:

Table 1 – Application Documents

Category	Context
1. Application Form	Provides the first documents of the Application, including the Cover Letter and Application Form
2. Plans	Contains the relevant plans required by the APFP Regulations
3. Draft Development Consent Orders	Contains the draft DCO and Explanatory Memorandum
4. Compulsory Acquisition Information	Provides evidence of why and where legal powers of compulsory acquisition being sought, as well as information on how the Proposed Scheme is to be funded
5. Reports	Provides the reports containing the details of the pre-application consultation (Consultation Report), Planning Statement and the other reports
6. Environmental Statement (ES)	Provides the environmental information from the assessment of potentially significant effects on the environment
7. Other	Includes additional documents produced for the application submission

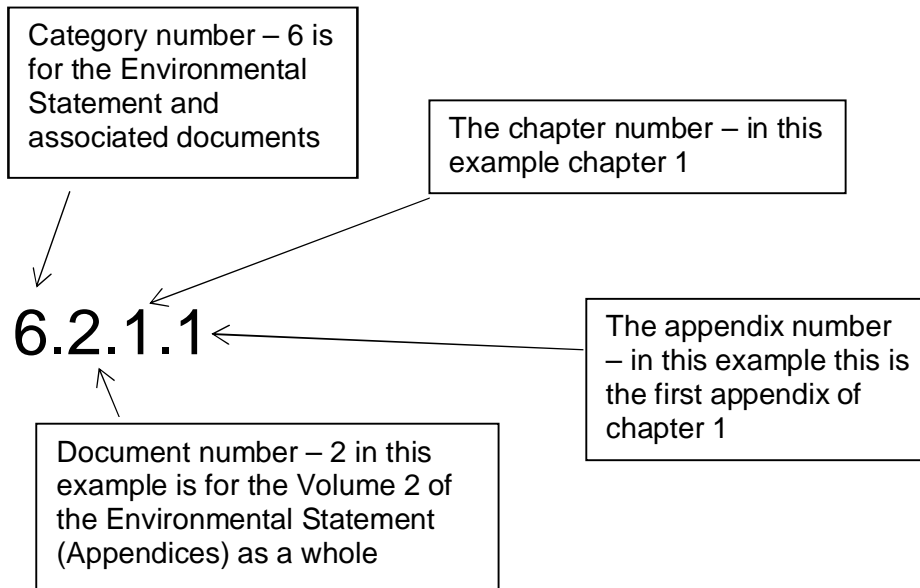
3.2 To access the documents, visit the Planning Inspectorate website:

<https://infrastructure.planninginspectorate.gov.uk/projects/yorkshire-and-the-humber/drax-re-power/>

3.3 In accordance with the PINS Advice note six: Preparation and submission of application documents, each document has been given a unique document reference number, as described in the following sections.

4. Document Numbering

- 4.1 The documents submitted as part of the Application follow a consistent numbering format, with the category number (1 to 7) being the first digit of a document number. This is followed by the document number, and, where relevant, the Chapter and / or Appendix number if these are standalone documents.
- 4.2 For example Appendix 1 associated with Chapter 1 of the Environmental Statement is numbered as follows:



- 4.3 Appendix numbering in the Consultation Report (document reference 5.1) follows chronologically, as the appendices do not necessarily relate to specific chapters or sections of the main report, e.g. Appendix 1 of the Consultation Report is document reference 5.1.1.

5. Drax Power Limited

- 5.1 Drax Power Limited (Drax or the Applicant) is a subsidiary of Drax Group plc and is a UK energy business committed to helping change the way energy is generated, supplied and used, as the UK moves to a low carbon future.
- 5.2 Drax owns and operates the existing Drax Power Station, including a portion of the land required for the Proposed Scheme.

6. Site and Project Description

Existing Drax Power Station Complex

- 6.1 Drax Power Station is a large power station, comprising originally of six coal-fired units. It was originally built, owned and operated by the Central Electricity Generating Board and had a capacity of just under 2,000 MW when Phase 1 was completed in 1975. Its current capacity is 4,000 MW after the construction of Phase 2 in 1986.
- 6.2 Three of the original six coal-fired units are now converted to biomass (Units 1-3) and this is assessed as the current baseline in the Environmental Statement (ES) (document reference 6.1). By the latter half of 2018, four units (Units 1-4) will run on biomass with only two units (Units 5 and 6) running on coal. One or both of Units 5 and 6 will be repowered as part of the Proposed Scheme, this means the existing coal-fired units would be decommissioned and replaced with newly constructed gas-fired units utilising some of the existing infrastructure. The area within the Existing Drax Power Station Complex where development is proposed is referred to as the Power Station Site and is approximately 53.4 ha.

Pipeline Area

- 6.3 The Gas Pipeline route is approximately 3 km in length and crosses agricultural land to the east of the Existing Drax Power Station Complex. The land within the Pipeline Construction Area is 25.4 ha and the land within the Pipeline Operational Area is 2.4 ha.
- 6.4 An additional area is located on Rusholme Lane (Rusholme Lane Area) to accommodate a potential passing place for traffic during construction of the Gas Pipeline. This is considered to be part of the Pipeline Area.

Site Boundary

- 6.5 The Site is approximately 78.9 ha and lies approximately 4 m Above Ordnance Datum (AOD).
- 6.6 The Site Boundary (depicted with a red line in Chapter 1 (Introduction) Figure 1.1 of the ES) represents the maximum extent of all potential permanent and temporary works required as part of the Proposed Scheme.
- 6.7 The Power Station Site, the Carbon capture readiness reserve space and the Pipeline Area (including the Rusholme Lane Area) have been divided into a number of Development Parcels shown on Chapter 1 (Introduction) Figure 1.3. of the ES.
- 6.8 The current land uses at these development parcels are described in Table 3-1 of the ES Chapter 3 (Site and Project Description).

7. The Proposed Scheme

- 7.1 The Proposed Scheme is to repower up to two existing coal-powered generating units (Units 5 and 6) at the Existing Drax Power Station Complex with new gas turbines that can operate in both combined cycle and open cycle modes. The term "repower" is used as existing infrastructure, such as the steam turbine and cooling towers, that are currently used for the coal fired units would be reutilised for the new gas fired generating units/stations.
- 7.2 The repowered units (which each constitute a new gas fired generating station) would have a new combined capacity of up to 3,600 MW in combined cycle mode (1,800 MW each), replacing existing units with a combined capacity to generate up to 1,320 MW (660 MW each).
- 7.3 Each gas generating station (or unit) would have up to two gas turbines, with each gas turbine powering a dedicated generator of up to 600 MW in capacity. The gas turbines in each generating station (or unit), therefore, would have a combined capacity of up to 1,200 MW. The gas turbines in each generating station (or unit), in combined cycle mode, would provide steam to the existing steam turbine (through Heat Recovery Steam Generators (HRSGs)) which would generate up to 600 MW per generating station (or unit). Each generating station (or unit) would have up to two HRSGs. This results in a capacity for each generating station of up to 1,800 MW and, should both Units 5 and 6 be repowered, a combined capacity of up to 3,600 MW. The new gas turbine generating stations (or units) have been designated the terms "Unit X" and "Unit Y".
- 7.4 Each of Unit X and Unit Y would have (subject to technology and commercial considerations) a battery energy storage facility with a capacity of up to 100 MW per Unit, resulting in a combined battery energy storage capacity of up to 200 MW. The two battery energy storage facilities would be stored in a single building.
- 7.5 The total combined capacity of the two gas fired generating stations, Unit X and Unit Y, and two battery storage facilities (i.e. the total combined capacity of the Proposed Scheme) is therefore 3,800 MW.
- 7.6 The DCO seeks consent for the following flexibility:
- Repowering of either Unit 5 or 6 and construction of Unit X as a gas fired generating station (this would leave either Unit 5 or 6 (depending on which had been repowered) as a coal-fired unit); or
 - Repowering of both Units 5 and 6 and construction of Unit X and Unit Y as two gas fired generating stations.
- 7.7 In the event that a single unit is repowered and Unit X constructed, up to two gas turbines and up to two HRSGs and (subject to technology and commercial considerations) a battery energy storage facility of up to 100 MW storage capacity would be constructed. The size of the building housing the battery storage facility would not change, as the building could house sufficient battery capacity to allow the 100 MW output to be sustained for a longer duration. However, the fuel gas station and gas insulated switchgear required for the Gas Pipeline would be smaller.

- 7.8 In the event that two units are repowered and both Unit X and Unit Y are constructed, then construction works would be undertaken consecutively rather than concurrently. It is assumed for the purposes of the ES that there would be a gap of a year between construction periods, but this could be longer depending on commercial considerations. Unit Y would mirror Unit X, with up to two gas turbines and up to two HRSGs and (subject to technology and commercial considerations) a battery energy storage facility of up to 100 MW storage capacity which would be housed in the building constructed for the battery for Unit X.
- 7.9 In order to repower to gas, a new Gas Pipeline would be constructed from the Existing Drax Power Station Complex to the National Transmission System (NTS) operated by National Grid. Pipeline infrastructure would be the same whether Unit X was constructed or whether Unit X and Unit Y was constructed.
- 7.10 A gas receiving facility (GRF) comprising Pipeline Inspection Gauge (PIG) Trap Facility (PTF), Pressure Reduction and Metering Station (PRMS) and compressor station is proposed south of woodland to the east of New Road.
- 7.11 At the connection to the NTS there will be an above ground installation (AGI) south of Rusholme Lane. The AGI involves a PIG Trap Launching station (PTF-L) which will be operated by Drax, and a Minimum Offtake Connection (MOC), which will be operated by National Grid.
- 7.12 A full description of the Proposed Scheme and the Site is contained in Chapter 3 (Site and Project Description) of the ES.

1 APPLICATION FORM

1.1 Overview

- 1.1.1 The documents in the Application Form folder on the PINS website form the first documents of the Application.

[Document Reference 1.1 Cover Letter](#)

- 1.1.2 The cover letter has been prepared by Drax. It provides a brief overview of the Proposed Scheme and introduction to the Application.

[Document Reference 1.2 Application Guide](#)

- 1.1.3 The purpose of this Application Guide is explained in paragraphs 2.1 –2.5 above.

[Document Reference 1.3 Application Form](#)

- 1.1.4 The Application Form is the standard form provided by PINS and provides a high level summary of the Proposed Scheme and the documents that have been submitted with the Application.

[Document Reference 1.4 Section 55 Checklist](#)

- 1.1.5 The Section 55 Checklist is provided as a schedule of compliance to evidence how the Application fulfils the conditions for acceptance required by PINS under section 55 of the PA 2008.

[Document Reference 1.5 Electronic Application Index](#)

- 1.1.6 The Electronic Application Index provides a list of electronic file names and document reference numbers for all of the DCO Application documents.

[Document Reference 1.6 Glossary](#)

- 1.1.7 The standalone Glossary provides a complete list of all terminology and abbreviations contained within all of the Application documents. Most Application document contains just those terms and abbreviations from the standalone Glossary that are used in that document.

2 PLANS

2.1 Overview

- 2.1.1 The documents in the Plans folder contains the plans which show where and how Drax propose to undertake its proposed works.

- 2.1.2 In accordance with PINS Advice note six, where there are multiple sheets within a set of linear plans, a key plan is provided to enable the viewer to understand the relationship between the different sheets.

- 2.1.3 The plans show the location of the Proposed Scheme and the land required to build it as well as illustrating technical detail.

[Document Reference 2.1 Site Location Plan](#)

- 2.1.4 The Site Location Plan identifies the location of the Proposed Scheme in its wider context.

Document Reference 2.2 Land Plans

- 2.1.5 The Land Plans correspond to the Book of Reference (document reference 4.3) and set out:
- The land required for, or affected by, the Proposed Scheme.
 - Any land which it is proposed is acquired.
 - Land over which it is proposed new rights in the land are acquired, or over which it is proposed to suspend and / or extinguish rights, restrictions, easements or servitudes.
 - Any land over which it is proposed to take temporary possession and any land in which it is proposed to, if proven necessary, undertake protective works.

Document Reference 2.3 Works Plans

- 2.1.6 The Works Plans show the proposed works including the alignment of the Gas Pipeline and the limits of deviation within which the development and works may be carried out:
- 2.3A Works Plans;
 - 2.3B Indicative Works Associated with Unit Y; and
 - 2.3C Indicative Works Associated with Unit Y.

- 2.1.7 The works are numbered and the numbers correspond to the numbered works set out in Schedule 1 of the draft DCO (document reference. 3.1) which are to be authorised by the DCO.

Document Reference 2.4 Access and Rights of Way Plans

- 2.1.8 These plans identify any new or altered means of access, stopping up of streets or roads and any diversions and the extinguishment or creation of Public Rights of Way (PRoW).

Document Reference 2.5 Indicative Plant Layout

- 2.1.9 These plans show the indicative plant layout for both options of the Proposed Scheme:
- 2.5A Two Unit Option Indicative Plant Layout; and
 - 2.5B One Unit Option Indicative Plant Layout

Document Reference 2.6 Indicative Elevations

- 2.1.10 These plans show the indicative elevations of the Proposed Scheme:
- 2.6A Indicative Plant Elevations;
 - 2.6B Indicative Gas Receiving Facility and Gas Compressor Building Elevations; and
 - 2.6C Indicative Above Ground Gas Installation Elevations.

Document Reference 2.7 Site Reconfiguration Works Plans

- 2.1.11 These plans are for the Site Reconfiguration Works (Stage 0). They were also submitted to Selby District Council (SDC) as part of a planning application (reference 2018/0154/FULM) made under the Town and Country Planning Act 1990 (as amended) (TCPA 1990), validated on 27 February 2018 and granted on 24 May 2018.

Document Reference 2.8 Pedestrian Bridge Plan

- 2.1.12 These plans were also submitted to Selby District Council as part of a planning application (Reference 2010/0183/FUL) made under the TCPA 1990 (as amended), decided on 23 April 2010.
- 2.1.13 The permission has not been implemented and has now lapsed, which is why Drax is seeking approval for these works through the DCO.

3 DRAFT DEVELOPMENT CONSENT ORDERS

3.1 Overview

- 3.1.1 In order to repower up to two existing coal-powered generating units with new gas turbines, Drax require consent from the Government. The documents within this category outline the legal powers Drax is seeking.

[Document Reference 3.1 Draft Development Consent Order](#)

- 3.1.2 The Draft DCO is the draft statutory instrument that the Applicant seeks should be made, if the SoS is minded to grant consent for the Proposed Scheme. The DCO authorises the Proposed Development and includes various powers that the Applicant is seeking to enable it to construct, operate and maintain the Proposed Scheme. It comprises 14 schedules as outlined below:

Schedule 1 Authorised Development – lists the works that would be authorised by the DCO, and which correspond to the numbered works shown on the Works Plans.

Schedule 2 Requirements – sets out the requirements that Drax would be required to accord with when constructing, operating, maintaining and decommissioning the development authorised by the DCO.

Schedule 3 Streets Subject to Street Works – lists the street names that will be subject to street works and the description of the works, which correspond to the Access and Rights of way plans.

Schedule 4 Streets Subject to Permanent and Temporary Alteration of Layout – lists the street names that will be subject to either permanent or temporary alterations of layout, which correspond to the Access and Rights of Way Plans.

Schedule 5 Access – Lists the streets whereby parts of the access are to be maintained at either the public expense or by the street authority and the streets with works to restore the temporary access which will be maintained by the street authority. Each access is described by reference to the Access and Rights of Way Plans.

Schedule 6 Streets and Public Rights of Way to be Temporarily Stopped Up – details the streets and public rights of way to be temporarily stopped up, with descriptions which correspond to the Access and Rights of Way Plans.

Schedule 7 Public Rights of Way to be Permanently Stopped Up – details the public rights of way to be permanently stopped up, with descriptions which correspond to the Access and Rights of Way Plans.

Schedule 8 Land in Which Only New Rights etc May be Acquired – lists the plots of land from the Land Plans in which new rights may be acquired, with a description of the rights.

Schedule 9 Modification of Compensation and Compulsory Purchase Enactments for Creation of New Rights – sets out changes to the existing compulsory purchase regime to enable the compulsory acquisition of new rights pursuant to the DCO.

Schedule 10 Land of which Temporary Possession may be taken – details the plots of land from the Land Plans that may be temporarily possessed and includes a description of the purpose for the temporary possession.

Schedule 11 Procedure for Discharge of Requirements – sets out how requirements under Schedule 2 will be discharged, including the procedure for appeals.

Schedule 12 Protective Provisions – sets out the individual provisions that will regulate the relationship between the Applicant and statutory undertakers who have apparatus which may be affected by the Proposed Scheme.

Schedule 13 Design Parameters – sets out the maximum parameters in respect of the temporary construction works, Units X and Y, and the Site Reconfiguration Works.

[Document Reference 3.2 Explanatory Memorandum](#)

- 3.1.3 The Explanatory Memorandum explains the purpose and effect of each provision in the draft DCO, including why it is considered necessary.

4 COMPULSORY ACQUISITION INFORMATION

4.1 Overview

- 4.1.1 In order to implement the Proposed Scheme, the Applicant will need to use statutory powers to acquire land and rights in land, to extinguish existing rights, and to possess and use land temporarily. The Applicant is required to provide evidence that the use of these powers would be justified, proportionate and in the public interest and this evidence is set out in a Statement of Reasons (document reference 4.1), Funding Statement (document reference 4.2), Book of Reference (document reference 4.3) and Compulsory Acquisition Schedule (document reference 4.4) as explained below.

[Document Reference 4.1 Statement of Reasons](#)

- 4.1.2 The Statement of Reasons explains that there is a case of public interest which would justify the Applicant's exercise of powers of compulsory acquisition in order to acquire land and rights permanently, to extinguish rights, and to use land temporarily to enable the Applicant to construct, operate and maintain the proposals.

[Document Reference 4.2 Funding Statement](#)

- 4.1.3 This statement explains how the Proposed Scheme would be funded including any land to be purchased through compulsory acquisition.

[Document Reference 4.3 Book of Reference](#)

- 4.1.4 The Book of Reference identifies all parties who own or occupy land and/or have an interest in or right over the land affected by the proposal, and/or who may be entitled to make a 'relevant claim' as defined in section 57 of the PA 2008. It is structured in five parts in accordance with relevant regulatory requirements. The five parts are:

- **Part 1:** Names and addresses for service of each person within categories 1 and 2 as set out in section 57 of the PA 2008.

- **Part 2:** Names and addresses for service of each person within category 3 as defined in section 57 of the PA 2008, who would or might be entitled to make a relevant claim as defined in section 57(14) of the PA 2008.
- **Part 3:** Names and addresses of those persons whose entitlement to enjoy private easements of rights may be extinguished, suspended or interfered with.
- **Part 4:** Names and addresses of the owner of any Crown interest in the land which is proposed to be used for the purposes of the Proposed Scheme.
- **Part 5:** Land which is special category land, land the acquisition of which is subject to Special Parliamentary Procedure, or is replacement land.

4.1.5 For each plot of land described in the Book of Reference and being land within which it is intended that all or part of the Proposed Scheme shall be carried out, the area in square metres of that plot is given.

[Document Reference 4.4 Compulsory Acquisition Schedule](#)

4.1.6 This schedule lists all land (with plot numbers corresponding to the Land Plans) which is sought to be acquired, over which rights are sought to be acquired or extinguished, over which temporary possession is sought, or over which rights and restrictions are sought to be temporarily suspended. The schedule includes an entry for each interest in such land, and sets out who owns the interest, the nature of the interest, and what powers are sought by the Applicant in the DCO with respect to that interest.

5 REPORTS

5.1 Overview

5.1.1 Additional reports were produced in support of the DCO application submission. The contents of the reports contained within this category are summarised below:

[Document Reference 5.1 Consultation Report](#)

5.1.2 This report provides an account of the pre-application consultation carried out on the Proposed Scheme. It reports on the statutory consultation carried out on the Proposed Scheme in accordance with the PA 2008 and on the non-statutory consultation that took place before this. The Consultation Report demonstrates how the Applicant has had regard to the consultation feedback, and demonstrates compliance with the statutory requirements in relation to the statutory consultation. The response to feedback in the report includes details of how the Proposed Scheme has been amended as a result of some of the consultation responses received. The chapters of the Consultation Report are as follows:

Executive Summary

5.1.3 This chapter summarises the report and briefly describes the most significant findings of the consultation exercises.

1. Introduction

5.1.4 This chapter introduces the report and describes its structure, with an explanation for each chapter.

2. Legislative Context, Relevant Guidance and Compliance

5.1.5 This chapter details the requirements in terms of legislative compliance for pre-application consultation and publicity, and the relevant guidance and advice taken into account by the Applicant.

3. Non-Statutory Engagement

5.1.6 This chapter describes the development of the non-statutory engagement, including the methodology, materials, responses received and regard had to those responses, and any changes to the consultation following this non-statutory consultation.

4. Consultation on the Statement of Community Consultation (Section 47)

5.1.7 This chapter describes the development of the statutory consultation strategy for the Proposed Scheme with people living in the vicinity of the Proposed Scheme.

5. Consultation with Prescribed Statutory Bodies and Relevant Land Interests (Section 42)

5.1.8 This chapter outlines how the Applicant undertook its statutory consultation activities with consultation bodies and land interests to ensure the requirements of the PA 2008 were met.

6. Statutory Publication of Proposed Application (Section 48)

5.1.9 This chapter describes how the proposed application was publicised in accordance with section 48 of the PA 2008.

7. Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

5.1.10 This chapter provides an overview of how the proposed scheme was identified as requiring an EIA and how consultation was undertaken in line with the EIA Regulations 2017.

8. Response to Consultation Feedback (Section 49)

5.1.11 This chapter sets out how the Applicant has complied with its duty under section 49 of the PA 2008 to have regard to consultation responses received under sections 42, 47(7) and 48 of the PA 2008, received by the Applicant within the deadline specified in each case.

9. Conclusion

5.1.12 This chapter details a summary of the findings of the report.

5.2 Consultation Report Appendices

5.2.1 The following appendices form part of the Consultation Report:

[Document Reference 5.1.1 Appendix 1 – The Planning Act 2008 Compliance Checklist](#)

5.2.2 This appendix contains the compliance checklist of the statutory requirements for consultation under the PA 2008 and its associated regulations, and the requirements of relevant guidance and advice notes, and explains the action undertaken by the Applicant in order to comply.

[Document Reference 5.1.2 Appendix 2 – Non-statutory Consultation Material](#)

5.2.3 This appendix contains the consultation materials for the non-statutory consultation process.

[Document Reference 5.1.3 Appendix 3 – Non-statutory Exhibition Events](#)

5.2.4 This appendix contains the details of the exhibition events for the non-statutory consultation.

[Document Reference 5.1.4 Appendix 4 – List of Consultees Contacted during Non-statutory Engagement](#)

- 5.2.5 This appendix contains details of the consultees contacted during non-statutory engagement.

[Document Reference 5.1.5 Appendix 5 – Response to Non-statutory Consultation](#)

- 5.2.6 This appendix contains the list of non-statutory consultees.

[Document Reference 5.1.6 Appendix 6 – Consultation Material](#)

- 5.2.7 This appendix contains the consultation materials for the statutory consultation process.

[Document Reference 5.1.7 Appendix 7 – Consultation Exhibition Events](#)

- 5.2.8 This appendix contains the details of the consultation exhibition events.

[Document Reference 5.1.8 Appendix 8 – Section 42\(1\) \(a\), \(aa\), \(b\) and \(c\) Consultees](#)

- 5.2.9 This appendix contains the details of the consultees under sections 42(1)(a), (aa), (b) and (c) of the PA 2008.

[Document Reference 5.1.9 Appendix 9 – Consultees not Prescribed by section 42\(1\)\(a\)-\(d\)](#)

- 5.2.10 This appendix contains the details of the consultees not prescribed under sections 42(1)(a)-(d) of the PA 2008.

[Document Reference 5.1.10 Appendix 10 – Section 42\(1\)\(d\) Consultees](#)

- 5.2.11 This appendix contains the list of consultees under section 42(1)(d) of the PA 2008.

[Document Reference 5.1.11 Appendix 11 – Additional section 47 Consultees Emailed Regarding the Statutory Consultation](#)

- 5.2.12 This appendix contains the list of additional consultees under section 47 PA 2008.

[Document Reference 5.1.12 Appendix 12 – Land Referencing Methodology](#)

- 5.2.13 This appendix contains the land referencing methodology that has been developed to satisfy the 'diligent inquiry' requirements under section 44 and, should the Application be accepted, section 57 of the PA 2008, to identify individuals in one or more of the categories as set out in sections 44 and 57.

[Document Reference 5.1.13 Appendix 13 – Land Referencing Material](#)

- 5.2.14 This appendix details the materials used in the land referencing exercise, for example letters and land interest questionnaires.

[Document Reference 5.1.14 Appendix 14 – Section 42 Consultee Letters](#)

- 5.2.15 This appendix contains examples letters sent pursuant to section (42)(1)(a-c) and (d) of the PA 2008.

[Document Reference 5.1.15 Appendix 15 – Emails sent to Consultees](#)

- 5.2.16 This appendix contains project update emails sent to consultees.

[Document Reference 5.1.16 Appendix 16 – Copy and Locations of Site Notices](#)

- 5.2.17 This appendix contains a copy and the locations of site notices for the purpose of identifying land owners and occupiers as part of the land referencing methodology.

[Document Reference 5.1.17 Appendix 17 – Undeliverable Mail](#)

- 5.2.18 This appendix contains the details of consultees who did not receive their consultation letter and associated documents upon the first issue, and sets out the action taken.

[Document Reference 5.1.18 Appendix 18 – Section 46 Letter and Acknowledgement](#)

- 5.2.19 This appendix contains a copy of the notification to SoS issued pursuant to section 46 of the PA 2008, and the acknowledgement letter from PINS.

[Document Reference 5.1.19 Appendix 19 – Draft Statement of Community Consultation \(SoCC\)](#)

- 5.2.20 This appendix contains the draft Statement of Community Consultation (SoCC) pursuant to section 47(1) of the PA 2008.

[Document Reference 5.1.20 Appendix 20 – Comments on Draft Statement of Community Consultation](#)

- 5.2.21 This appendix contains the comments from host authorities on the draft SoCC.

[Document Reference 5.1.21 Appendix 21 – Revised Statement of Community Consultation](#)

- 5.2.22 This appendix contains the revised SoCC and engagement with local authorities.

[Document Reference 5.1.22 Appendix 22 – Final Published Statement of Community Consultation](#)

- 5.2.23 This appendix contains the final published SoCC.

[Document Reference 5.1.23 Appendix 23 – Locations where the SoCC was made Publicly Available](#)

- 5.2.24 This appendix contains the locations where the SoCC has been made publically available.

[Document Reference 5.1.24 Appendix 24 – Section 47 Notice](#)

- 5.2.25 This appendix contains a copy of the notice published pursuant to section 47(6) of the PA 2008 regarding the publication of the SoCC.

[Document Reference 5.1.25 Appendix 25 – Section 48 Notice](#)

- 5.2.26 This appendix contains copies of the newspaper notices of the proposed Application for a DCO, published pursuant to section 48 of the PA 2008.

[Document Reference 5.1.26 Appendix 26 – Information Sent to Consultation Zone](#)

- 5.2.27 This appendix contains a copy of the information leaflet that formed part of the Consultation Documents.

[Document Reference 5.1.27 Appendix 27 – Press Releases Promoting the Consultation](#)

- 5.2.28 This appendix contains copies of the press releases promoting the consultation.

[Document Reference 5.1.28 Appendix 28 – News Stories Promoting the Consultation](#)

- 5.2.29 This appendix contains the news stories published about the Proposed Scheme.
[Document Reference 5.1.29 Appendix 29 – Social Media Promotion of the Consultation](#)
- 5.2.30 This appendix contains the social media promotion of the statutory consultation.
[Document Reference 5.1.30 Appendix 30 – Third Party Promotion of the Consultation](#)
- 5.2.31 This appendix contains the third party promotion of the statutory consultation.
[Document Reference 5.1.31 Appendix 31 – Additional Advertising of Consultation](#)
- 5.2.32 This appendix contains copies of additional advertising published to promote the consultation.
[Document Reference 5.1.32 Appendix 32 – Additional Engagement](#)
- 5.2.33 This appendix contains copies of meeting minutes from the non-statutory consultation.
[Document Reference 5.1.33 Appendix 33 – Consultation Extension Letters](#)
- 5.2.34 This appendix contains details of extensions to the statutory consultation period, and why they were given to some consultees.
[Document Reference 5.1.34 Appendix 34 – Coding Framework](#)
- 5.2.35 This appendix contains the coding framework for the consultee responses.
[Document Reference 5.1.35 Appendix 35 – Section 47 Consultation Responses](#)
- 5.2.36 This appendix contains responses to the consultation pursuant to section 47 of the PA 2008.

5.3 Other Reports

[Document Reference 5.2 Planning Statement](#)

- 5.3.1 The Planning Statement sets out how the Proposed Scheme accords with relevant planning policy, notably the relevant National Policy Statements (NPS), and how benefits and disbenefits of the Proposed Scheme should be considered, in order to assist the Examining Authority (ExA) and the SoS in their decision making. It also contains the considerations that would usually form part of a separate design and access statement, which is not provided as a separate statement due to the nature of the Proposed Scheme. This approach has been agreed with PINS in advance of the submission.

[Document Reference 5.3 Statutory Nuisance Statement](#)

- 5.3.2 This document identifies the matters set out in section 79 of the Environmental Protection Act 1990 in respect of statutory nuisances and considers whether the Proposed Scheme would engage one or more of those matters. Where any matters may be potentially engaged, this statement sets out its proposals for mitigating or limiting them.

[Document Reference 5.4 Grid Connection Statement](#)

- 5.3.3 The Grid Connection Statement has been submitted pursuant to section 6(1)(a)(i) of the APFP Regulations. It outlines the process for connecting the new units to the National Electricity Transmission System (NETS) and the contractual agreements that must be in place for this to occur.

[Document Reference 5.5 Gas Connection Statement](#)

- 5.3.4 The Gas Connection Statement has been submitted pursuant to section 6(1)(a)(ii) of the APFP Regulations. It outlines the process for connecting to the National Transmission System (NTS) and the contractual agreements that need to be in place for this to occur.

[Document Reference 5.6 Combined Heat and Power Statement](#)

- 5.3.5 This document is produced in line with the requirements of NPS EN-1 and the Combine Heat and Power (CHP) Ready Guidance for Combustion and Energy from Waste Power Plants.

[Document Reference 5.7 Carbon Capture Readiness Statement](#)

- 5.3.6 This document is produced in line with the requirements for DCO applications of Carbon Capture Readiness (CCR): A Guidance Note for Section 36 Electricity Act 1989 Consent Applications which applies to applications for consent for power plants with an electrical generating capacity at or over 300 MW and of a type covered by the European Union Directive Large Combustion Plants Directive (2001/80/EC) on the limitation of emissions of certain pollutants into the air from large combustion plants.

[Document Reference 5.8 Other Consents and Licenses](#)

- 5.3.7 This document provides information on the other consents and licenses that are or may be required under other legislation for the construction and operation of the Proposed Scheme.

6 ENVIRONMENTAL STATEMENT

6.1 Overview

- 6.1.1 The documents submitted under this category comprise of the three volumes of the ES, as well as associated environmental reports and documents.

[Document Reference 6.1 Volume 1 Environmental Statement – Main Text and Figures](#)

- 6.1.2 The Applicant has undertaken an EIA of the Proposed Scheme to consider what significant effects the proposals is likely to have on the environment. The ES reports the findings of the EIA.
- 6.1.3 The ES also provides general information on the proposal including context, description of the proposal and its construction, main alternatives considered, the consultation process that was part of the EIA and the technical information on a range of topics.
- 6.1.4 The ES contains the following chapters:

Table 2 – Environmental Statement Chapters

Chapter	Topic	Document Reference
1	Introduction	6.1.1
2	Planning Policy	6.1.2
3	Site and Project Description	6.1.3
4	Consideration of Alternatives	6.1.4
5	Transport	6.1.5
6	Air Quality	6.1.6
7	Noise and Vibration	6.1.7
8	Historic Environment	6.1.8
9	Biodiversity	6.1.9
10	Landscape and Visual Amenity	6.1.10
11	Ground Conditions	6.1.11
12	Water Resources, Quality and Hydrology	6.1.12
13	Waste	6.1.13
14	Socio-Economics	6.1.14
15	Climate	6.1.15
16	Major Accidents and Disasters	6.1.16
17	Cumulative Assessment	6.1.17
18	Summary of Significant Effects	6.1.18

6.1.5 The ES contains the following figures to support the Chapters:

Table 3 – Environmental Statement Figures

Chapter	Figure No.	Figure Title
1	Figure 1.1	Site Location
	Figure 1.2	Aerial View of the Site
	Figure 1.3	Current and Proposed Land Use
3	Figure 3.1a	Environmental Constraints - Overview
	Figure 3.1b	Environmental Constraints - European Designated Wildlife Sites within 15 km
	Figure 3.1c	Environmental Constraints - Access Routes within 1km
	Figure 3.2	Indicative Site Layout Single Unit Option
	Figure 3.3	Indicative Site Layout Two Unit Option
	Figure 3.4	Demolitions
	Figure 3.5	Indicative Construction Plan for Unit X
	Figure 3.6	Indicative Construction Plan for Unit Y
4	Figure 4.1	Gas Pipeline Route Options
5	Figure 5.1	Transport Study Area
	Figure 5.2	Abnormal Load Route from Goole
	Figure 5.3	HGV Route
	Figure 5.4	ATC Locations
	Figure 5.5	Road Safety Accidents 2014-2016
	Figure 5.6	Cycling Provision
	Figure 5.7	Public Transport Provision
6	Figure 6.1	Construction Phase Impacts – Power Station Site, Laydown Area and GRF
	Figure 6.2	Construction Phase Impacts – Pipeline Study Area
	Figure 6.3	Operational Phase – Air Quality Study Area
	Figure 6.4	Operational Phase – Human Receptors
	Figure 6.5	Annual Mean NO ₂ Process Contribution – Scenario A1 (µg/m ³)

	Figure 6.6	Hourly Mean NO ₂ (99.9th Percentile) Process Contribution - Scenario A1 (µg/m ³)
	Figure 6.7	Annual Mean NO _x Process Contribution – Scenario A1 (µg/m ³)
	Figure 6.8	24 Hour Mean NO _x Process Contribution – Scenario A1 (µg/m ³)
	Figure 6.9	Annual Mean NO _x Process Contribution – Scenario B (µg/m ³)
	Figure 6.10	24 Hour Mean NO _x Process Contribution – Scenario B (µg/m ³)
	Figure 6.11	Annual Mean NH ₃ Process Contribution – Scenario B (µg/m ³)
	Figure 6.12	Nitrogen Deposition Process Contribution – Scenario B (kgN/ha/yr)
7	Figure 7.1	Noise Study Area
	Figure 7.2	Noise Sensitive Receptors – Residential Locations
	Figure 7.3	Noise Sensitive Receptors – Ecology Locations
	Figure 7.4	Unit X Noise Contour Plot
	Figure 7.5	Units X and Y Noise Contour Plot
8	Figure 8.1	Designated Heritage Asset Constraints Plan
	Figure 8.2	Non-Designated Heritage Asset Constraints Plan
9	Figure 9.1	Statutory Ecological Designated Sites
	Figure 9.2	Non-Statutory Designated Sites and Habitats of Principal Importance
	Figure 9.3	Phase 1 Habitat Map
	Figure 9.4	Preliminary Bat Survey Results
	Figure 9.5	Otter and Water Vole Survey Results
	Figure 9.6	Wintering Bird Survey Results
	Figure 9.7	Reptile Survey Refugia Locations
	Figure 9.8	Great Crested Newt Survey Results
	Figure 9.9	Bat Transect Route
	Figure 9.10	Badger Survey Results
10	Figure 10.1	Landscape Character (National, County and Local)

	Figure 10.2	Digital Surface Model
	Figure 10.3	Built Environment – Heritage Assets and National Access Routes
	Figure 10.4	Natural Environmental – Natural and Ecological Designations
	Figure 10.5	Built and Natural Environment – Features within a 1km and 3km Buffer
	Figure 10.6	Zone of Theoretical Visibility (ZTV) of Proposed Units X and Y - Digital Surface Model
	Figure 10.7	Zone of Theoretical Visibility (ZTV) For Gas Pipeline AGIs
	Figure 10.8	Zone of Theoretical Visibility (ZTV) of Proposed Battery Storage Area -Digital Surface Model
	Figure 10.9	Zone of Theoretical Visibility (ZTV) of Proposed Gas Receiving Facility - Digital Surface Model
	Figure 10.10	Landscape Study Area Viewpoint Location Plan
	Figure 10.11	Landscape and Visual Impact Assessment Viewpoints 1 – 21
11	Figure 11.1	Superficial Geology
	Figure 11.2	Potential Sources of Contamination
12	Figure 12.1	Water Constraints
	Figure 12.1a	Water Constraints – Power Station Site: Surface Water features, Risk of Flooding from Surface Water
	Figure 12.1b	Water Constraints – Gas Pipeline: Surface Water Features, Risk of Flooding from Surface Water
	Figure 12.2	Water Constraints Map: Flood Zones
	Figure 12.3	Water Constraints Map – Groundwater Source Protection Zones, Water Abstractions and Discharge Consents
14	Figure 14.1	Agricultural Land Classification
16	Figure 16.1	Graphical Representation of MA&D Consequence Significance
	Figure 16.2	Summary of risk event considered in the scope of the assessment for major accidents and/or disasters

	Figure 16.3	Screening Process Flow Diagram
	Figure 16.4	The Principles of Managing Risks Both Pre and Post Event
17	Figure 17.1	Location of Short List of other Developments considered for Cumulative Assessment

[Document Reference 6.2 Volume 2 Environmental Statement – Technical Appendices](#)

6.1.6 The ES is accompanied by the following appendices:

Table 4 – Environmental Statement (Volume 2) Appendices

Appendix No.	Appendix Title	Document Reference
Appendix 1.1	Scoping Report	6.2.1.1
Appendix 1.2	Scoping Opinion	6.2.1.2
Appendix 3.1	Baseline Lighting Survey Report	6.2.3.1
Appendix 5.1	Outline Construction Worker Travel Plan	6.2.5.1
Appendix 5.2	Construction Traffic Management Plan	6.2.5.2
Appendix 5.3	Baseline Traffic Flows 2018	6.2.5.3
Appendix 5.4	Full Junction Results	6.2.5.4
Appendix 5.5	Trip Generation Methodology	6.2.5.5
Appendix 5.6	Webtris M62 Hourly Traffic Variations	6.2.5.6
Appendix 5.7	Gravity Model Distribution	6.2.5.7
Appendix 5.8	Traffic Flows - With and Without Development Flows	6.2.5.8
Appendix 6.1	Air Quality Policy and Legislation	6.2.6.1
Appendix 6.2	Construction Dust Assessment	6.2.6.2
Appendix 6.3	Air Dispersion Modelling	6.2.6.3
Appendix 7.1	Drax Noise Survey Monitoring Form	6.2.7.1
Appendix 7.2	Construction Noise Calculations – Residential NSR	6.2.7.2
Appendix 7.3	Construction Noise Calculations – Ecology NSR	6.2.7.3

Appendix 8.1	Historic Environment Desk-Based Assessment	6.2.8.1
Appendix 8.2	Geophysical Survey Results	6.2.8.2
Appendix 8.3	Archaeological Evaluation Report	6.2.8.3
Appendix 9.1	Biodiversity Legislation and Policy	6.2.9.1
Appendix 9.2	Biodiversity Designated Sites	6.2.9.2
Appendix 9.3	Preliminary Ecological Appraisal	6.2.9.3
Appendix 9.4	Badger Survey Report (CONFIDENTIAL)	6.2.9.4
Appendix 9.5	Bat Building Emergence Survey Report	6.2.9.5
Appendix 9.6	Bat Tree Roost Assessment Survey	6.2.9.6
Appendix 9.7	Wintering Bird Survey	6.2.9.7
Appendix 9.8	Great Crested Newt Survey	6.2.9.8
Appendix 9.9	Otter and Water Vole Survey	6.2.9.9
Appendix 9.10	Biodiversity Net Gain Assessment	6.2.9.10
Appendix 10.1	Local Policies	6.2.10.1
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Appendix 10.3	LVIA Methodology	6.2.10.3
Appendix 10.4	Landscape and Visual Baseline	6.2.10.4
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Appendix 16.1	Major Accidents Legislative Framework	6.2.16.1
Appendix 16.2	External Influencing Factors	6.2.16.2
Appendix 16.3	Construction – Environmental Risk Record	6.2.16.3
Appendix 16.4	Operation and Maintenance - Environmental Risk Record	6.2.16.4
Appendix 17.1	Cumulative Developments List	6.2.17.1

Appendix 17.2	Long and Short Lists of Other Developments for Cumulative Assessments	6.2.17.2
Appendix 17.3	LVIA Cumulative Effects	6.2.17.3

[Document Reference 6.3 Volume 3 Non-Technical Summary](#)

6.1.7 This document provides a summary of the findings of the ES in non-technical language.

[Document Reference 6.4 Environmental Statement Commitments Register](#)

6.1.8 This document provides a schedule of mitigation measures proposed for the Proposed Scheme, and explains how their delivery will be secured.

[Document Reference 6.5 Outline Construction Environmental Management Plan](#)

6.1.9 The Outline Construction Environmental Management Plan (CEMP) sets out a framework to control possible impacts arising from the construction of the proposals. It covers controls for environmental, public health and safety aspects of the proposal that may affect the interests of local residents, businesses, the general public and the surroundings in the vicinity of the proposals.

[Document Reference 6.6 Habitat Regulations Assessment Report](#)

6.1.10 This document aims to provide relevant technical information to enable competent authorities to discharge their functions under regulations 7 (competent authorities) and 61 (requirement to carry out an appropriate assessment) if the Conservation of Habitats and Species Regulations 2010 (as amended) (The Habitats Regulations) in connection with the consenting process for the Proposed Scheme.

[Document Reference 6.7 Outline Landscape and Biodiversity Strategy](#)

6.1.11 The purpose of this document is to set out the proposed strategy to mitigate the effects of the Proposed Scheme on landscape and biodiversity features and to enhance the biodiversity and landscape value of the Site.

[Document Reference 6.8 Flood Risk Assessment \(FRA\)](#)

6.1.12 This document reports the assessment of the risk of flooding, the identification of flood mitigation measures (including the outline surface water drainage strategy), and consultation undertaken. As the Site comprises an area in excess of one hectare, a Flood Risk Assessment (FRA) is required to accompany any planning or DCO application for the development of the Site, as per the requirements of the National Planning Policy Framework (NPPF).

[Document Reference 6.9 Preliminary Environmental Information Report \(PEIR\) Non-Technical Summary](#)

6.1.13 This document provides a summary of the findings of the PEIR in non-technical language.

7 OTHER DOCUMENTS

7.1 Overview

7.1.1 The document submitted in this category is a document that does not fit in any of the categories above.

[Document Reference 7.1 Proposed Heads of Terms for a Development Consent Obligation](#)

7.1.2 This document provides the heads of terms of the proposed planning obligations that will likely be entered into by the Applicant with North Yorkshire County Council and Selby District Council.

8 OVERVIEW OF DOCUMENTS

8.1.1 Table 5 below provides a guide to all documents submitted as part of the DCO Application and examination.

8.1.2 It also identifies where documents are submitted in order to comply with relevant legislative or policy requirement.

8.1.3 This table is a live document and will be updated when new or revised documents are submitted to the Planning Inspectorate (PINS), to provide a record of the latest version of all documents

Table 5 – Application Documents

Document Reference	Document Name	APFP Regulation	Revision (submission version)	Revision (in response to s51 advice)	Date to be added if document updated	Date to be added if document updated	Date to be added if document updated
Category 1 Application Form							
1.1	Cover Letter	Reg. 5(2)(q)	001				
1.2	Application Guide	Reg. 5(2)(q)	001	Table 5 of the Guide updated – Rev 002 03.07.2018	Table 5 of the Guide updated – Rev 003 09.07.2018		
1.3	Application Form	Reg. 5(1) & s37(3)(b) Planning Act 2008	001				
1.4	Section 55 Checklist	Reg. 5(2)(q)	001				
1.5	Electronic Application Index	Reg. 5(2)(q)	001				
1.6	Glossary	Reg. 5(2)(q)	001				
Category 2 Plans							
2.1	Site Location Plan	Reg. 5(2)(o)	001				

2.2	Land Plans	Reg. 5(2)(i)	001	Sheets 1 – 9 Rev 02 29.06.2018			
2.3A	Works Plans	Reg. 5(2)(j)	001	Sheets 1, 24 and 26 Rev 02 29.06.2018			
2.3B	Indicative Works Associated with Unit X	Reg. 5(2)(j)	001	Sheets 1, 15 and 17 Rev 02 29.06.2018			
2.3C	Indicative Works Associated with Unit Y	Reg. 5(2)(j)	001				
2.4	Access and Public Right of Way Plans	Reg. 5(2)(k)	001				
2.5A	Two Unit Option Indicative Plant Layout	Reg. 5(2)(o)	001	Sheets 1 and 8 Rev 02 29.06.2018			
2.5B	One Unit Option Indicative Plant Layout	Reg. 5(2)(o)	001	Sheets 1 and 8 Rev 02 29.06.2018			
2.6A	Indicative Plant Elevations	Reg. 5(2)(o)	001				

2.6B	Indicative Gas Receiving Facility and Gas Compressor Building Elevations	Reg. 5(2)(o)	001				
2.6C	Indicative Above Ground Gas Installation Elevations	Reg. 5(2)(o)	001				
2.7	Site Reconfiguration Works Plans	Reg. 5(2)(o)	A				
2.8	Pedestrian Bridge Plan	Reg. 5(2)(o)	A				

Category 3 Draft Development Consent Orders

3.1	Draft Development Consent Order	Reg. 5(2)(b)	0	Rev 1 02.07.2018			
3.2	Explanatory Memorandum	Reg. 5(2)(c)	0				

Category 4 Compulsory Acquisition Information

4.1	Statement of Reasons	Reg. 5(2)(h)	001				
4.2	Funding Statement	Reg. 5(2)(h)	001				
4.3	Book of Reference	Reg. 5(2)(d)	001	Rev 002			

				29.06.2018			
4.4	Compulsory Acquisition Schedule	Reg. 5(2)(q)	001	Rev 002 29.06.2018			

Category 5 Reports

5.1	Consultation Report *	Reg. 5(2)(q) & s37(3)(c) Planning Act 2008	003				
5.2	Planning Statement	Reg. 5(2)(q)	001				
5.3	Statutory Nuisance Statement	Reg. 5(2)(f)	001				
5.4	Grid Connection Statement	Reg. 5(2)(p) and Reg. 6(1)(a)(i)	001				
5.5	Gas Connection Statement	Reg. 5(2)(p) and Reg. 6(1)(a)(ii)	001				
5.6	Combined Heat and Power Statement	Reg. 5(2)(q)	001				
5.7	Carbon Capture Readiness Statement	Reg. 5(2)(q)	001				

5.8	Other Consents and Licences	Reg. 5(2)(q)	001				
Category 6 Environmental Statement							
6.1	Volume 1 Main Text and Figures **	Reg. 5(2)(a), (l), (m) & EIA Regulations 2017	001				
6.2	Volume 2 Appendices ***	Reg. 5(2)(a) & EIA Regulations 2017	001				
6.3	Volume 3 Non-Technical Summary	Reg. 5(2)(a) & EIA Regulations 2017	001				
6.4	Environmental Statement Commitments Register	Reg. 5(2)(q)	001				
6.5	Outline Construction Environmental Management Plan	Reg. 5(2)(q)	001				
6.6	Habitats Regulations Assessment Report	Reg. 5(2)(g)	001				

6.7	Outline Landscape and Biodiversity Strategy	Reg. 5(2)(q)	001				
6.8	Flood Risk Assessment	Reg. (5)(2)(e)	001	Rev 002 Appendices B and C updated 09.07.2018			
6.9	Preliminary Environmental Information Report Non-Technical Summary	Reg. 5(2)(a) & EIA Regulations 2017	001				

Category 7 Other Documents

7.1	Proposed Heads of Terms for a Development Consent Obligation	Reg. 5(2)(q)	001				
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* See Section 5.2 for list of Consultation Report Appendices.

** See Section 6.1.4 – 6.1.5 for list of Volume 1 Environmental Statement Main Text and Figures.

*** See Section 6.1.6 for list of Volume 2 Environmental Statement Technical Appendices.