

The Drax Power (Generating Stations) Order

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

Application Form



The Planning Act 2008 - Section 37(3)(b)
The Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 – Regulation 5(1)

Drax Power Limited

Drax Repower Project

Applicant: DRAX POWER LIMITED
Date: May 2018
Document Ref: 1.3
PINS Ref: EN010091

1)

2)



Application for Development Consent for Nationally Significant Infrastructure under the Planning Act 2008

* required information

Application Form

Please read guidance documents relating to the submission of applications prior to completing this form including guidance issued by the Department of Communities and Local Government and the advice note relating to application submissions by the Planning Inspectorate (Advice Note 6)

* Do you have a reference number?

☒ Yes

☐ No

* Reference number

EN010091

1. Applicant

* Organisation

Drax Power Limited

Address

* Building number or name

Drax Power Station

* Street

* City or town

Selby

County or administrative
area

North Yorkshire

* Postcode

YO8 8PH

* Country

United Kingdom

* Name of contact

Jim Doyle

* Telephone number

01757 618 381

Fax number

* Email

Jim.Doyle@drax.com

2. Agent

* Are you an agent acting on behalf of the applicant?

☒ Yes

☐ No

* Organisation

WSP UK Limited

Continued from previous page...

Address

* Building number or name	Kings Orchard
* Street	1 Queen Street
* City or town	Bristol
County or administrative area	
* Postcode	BS2 0HQ
* Country	United Kingdom
* Name of contact	Clare Hennessey
* Telephone number	01179 306335
Fax number	
* Email	Clare.Hennessey@wsp.com



3. Fee

* State the arrangement for the application fee payment:

☐ BACS ☒ CHAPS ☐ Cheque

* Please provide payment reference details

BX18052108663643



4. Confirming why the Planning Inspectorate should receive the application

* Brief statement to explain why this application is, or is to be treated as, a development for which development consent is required under the Planning Act 2008

Drax Power Limited is seeking consent for the flexibility to either repower one coal-fired unit (i.e. construct a single generating station) (with 1,800 MW generating capacity and a 100 MW battery storage capacity) or to repower two units (two generating stations each with a 1,800 MW generating capacity and each with its own 100 MW battery storage capacity).

As the Proposed Scheme is located in England, is not an offshore generating station, and includes the construction of a generating station with a capacity of more than 50 MW, it meets the criteria under sections 14(1)(a) and 15(2) the Planning Act 2008 (as amended) (PA 2008) for being a Nationally Significant Infrastructure Project (NSIP). Accordingly the Proposed Scheme requires development consent pursuant to section 31 of the PA 2008.



5. Non-technical description of the Development Proposal

* Brief non-technical description of the development proposal

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.

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).

Continued from previous page...

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".

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.

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.

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.

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. 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.

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.

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 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.

A full description of the Proposed Scheme and the Site is contained in Chapter 3 (Site and Project Description) of the ES (document reference 6.1).

6. Location or Route of the Development Proposal



- * Description of location of application site(s), or route of development (reference to appropriate plans)

The Proposed Scheme is located at and in the vicinity of the existing Drax power station, west of the village of Drax and approximately 5km south east of Selby and 7.5km north west of Goole. The existing Drax power station is accessed from New Road which connects with the A645. The River Ouse is 1.5km to the north east, there is an industrial site immediately adjacent to the power station to the south-west, and the Drax Skylark Centre and Nature

Continued from previous page...

Reserve are adjacent to the north-west of the power station (shown on Figure 1.3 of the ES).

The Proposed Scheme lies within the administrative boundaries of Selby District Council and North Yorkshire Council.

The area within the Drax power station where development is proposed for the gas generation units, electrical connections, construction laydown and Carbon capture readiness space is referred to as the Power Station Site (shown on Figure 1.3 of the ES and defined in the document reference 1.6 Glossary) and is approximately 53.4 ha. It comprises land within the operational area of the existing power station including a coal stock yard, hard standing, contractors' compounds, car parks and access/service roads.

The Gas Pipeline (shown on Figure 1.3 of the ES and defined in the DCO Document Ref. 1.6 Glossary) is approximately 3 km in length between the existing power station and a proposed connection point to the National Transmission System with a new Above Ground Installation south of Rusholme Lane. From the AGI the route of the pipeline continues west where it crosses a stream, before continuing up to Main Road. The route turns north-west to cross Main Road and a field drain. The route continues north-west to avoid Woodcock Wood before turning west. The route then runs south of the dismantled railway, to avoid woodland protected by a Tree Preservation Order. It then heads west and crosses a field drain. The route continues west, south of Carr Lane, crosses Wren Hall Lane and connects to a new Gas Receiving Facility east of New Road.

An additional area is located on Rusholme Lane to accommodate a potential passing place for traffic during construction of the Gas Pipeline.

* Is the site a single site or a linear site?

☒ Single site

☐ Linear site

Grid reference

* Easting

466641

* Northing

427421

* Document reference

2.1 - Location Plan

* Document reference

2.2 - Land Plans

Remove this reference

* Document reference

2.3 - Works Plans

Remove this reference

* Document reference

2.4 - Access and Rights of Way Plans

Remove this reference

Add another reference

7. Associated development



* Associated development is included within this application:

☒ Yes

☐ No

Continued from previous page...

* Document reference

8. a) Consultation report



* Document reference

* Document reference

8. b) Copies of newspaper notices



* Document reference

* Document reference

9. Draft Order



* Document reference

10. Explanatory Memorandum



* Document reference

11. Land Plan



* Document reference

12. Works Plan



* Document reference

Continued from previous page...



13. Compulsory acquisition of land or an interest in land or right over land

* Issues are relevant for this application:

☒ Yes ☐ No

Statement of reasons
document reference

4.1 - Statement of Reasons

Add another reference

Funding statement
document reference

4.2 - Funding Statement

Add another reference

Book of Reference
document reference

4.3 - Book of Reference

Book of Reference
document reference

4.4 - Compulsory Acquisition Schedule

Remove this reference

Add another reference



14. a) Environmental Impact Assessment (EIA)

* Environmental Statement (ES) required:

☒ Yes ☐ No

* ES Document Reference

6.1 - Environmental Statement Volume 1
Main Text and Figures

* ES Document Reference

6.2 - Environmental Statement Volume 2
Appendices

Remove this reference

* ES Document Reference

6.3 - Environmental Statement - Volume 3
Non-Technical Summary

Remove this reference

Add another reference



14. b) Screening Opinion/Direction and Scoping Opinion/Direction

* Screening opinion sought, or direction received:

☐ Yes ☒ No

Continued from previous page...

* Scoping opinion sought:

☒ Yes

☐ No

Document reference

6.2.1.1 - Environmental Statement -
Volume 2 - Appendix 1.1 Scoping Report

Document reference

6.2.1.2 - Environmental Statement -
Volume 2 - Appendix 1.2 Scoping Opinion

Remove this reference

Add another reference

14. c) Publicity required under Regulation 11 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009

?

In addition to publishing the notice, a copy of the notice was sent to:-

* the consultation bodies

☒ * Yes

* the persons notified to the applicant in accordance with regulation 9(1)(c) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2009:

☒ Yes

☐ No, not applicable

15. European sites (to which Regulation 48 of the Conservation (Natural Habitats, & c.) Regulations 1994 applies) or a Ramsar site

?

* Report required for this application:

☒ Yes

☐ No

* Document reference

6.6 - Habitats Regulations Assessment
Report

Add another reference

16. A plan, with accompanying information, identifying any statutory or non statutory sites or features of nature conservation, geological or landscape importance; habitats of protected species, important habitats or other diversity features; and water bodies in a river basin management Plan - together with an assessment of any effects likely to be caused by the development.

?

* Issues are relevant for this application:

☒ Yes

☐ No

* Document reference

6.1.9 - Environmental Statement - Volume
1 - Chapter 9 Biodiversity

Continued from previous page...

* Document reference 6.1.10 - Environmental Statement - Volume 1 - Chapter 10 Landscape and Visual Amenity

Remove this reference

* Document reference 6.1.11 - Environmental Statement - Volume 1 - Chapter 11 Ground Conditions

Remove this reference

* Document reference 6.1.3 - Environmental Statement - Volume 1 - Chapter 3 Site and Project Description - Figure 3.1a Environmental Constraints

Remove this reference

* Document reference 6.1.3 - Environmental Statement - Volume 1 - Chapter 3 Site and Project Description - Figure 3.1b Environmental Constraints European Sites

Remove this reference

* Document reference 6.1.9 - Environmental Statement - Volume 1 - Chapter 9 Biodiversity - Figures 9.3a - 9.3j

Remove this reference

* Document reference 6.1.12 - Environmental Statement - Volume 1 - Chapter 12 Water Resources, Quality and Hydrology - Figures 12.1a - 12.1b

Remove this reference

Add another reference

17. A plan, with accompanying information, identifying any statutory or non statutory sites or features of the historic environment such as scheduled monuments, World Heritage sites, listed buildings and other historic structures, archaeological sites and registered battlefields, together with an assessment of any effects likely to be caused by the proposed development

?

* Issues are relevant for this application:

☒ Yes

☐ No

* Document reference 6.1.8 - Environmental Statement - Volume 1 - Chapter 8 Historic Environment

Continued from previous page...

* Document reference

* Document reference

18. Flood Risk Assessment



* Flood risk assessment required:

☒ Yes ☐ No

* Document reference

19. Matters set out in section 79 (1) (statutory nuisances etc) of the Environmental Protection Act 1990



* Statement required for this application:

☒ Yes ☐ No

* Document reference

20. A plan with any accompanying information identifying any Crown land



* Issues are relevant for this application:

☐ Yes ☒ No

21. A plan identifying new or altered means of access, stopping up of streets or any diversions, extinguishments or creation or rights of way or public rights of navigation



* Issues are relevant for this application:

☒ Yes ☐ No

* Document reference

22. Additional information for specific types of infrastructure



Continued from previous page...

* Additional information is required to be submitted in accordance with regulation 6 of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009:

☒ Yes ☐ No

* Provide a brief description

5.4 - Grid Connection Statement submitted under Regulation 5(2)(p) and 6(1)(a)(i) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009.

5.5 - Gas Connection Statement submitted under Regulation 5(2)(p) and 6(1)(a)(ii) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009.

* Document reference

* Document reference

Regulation 6 of the Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009 requires additional information to be submitted with the following types of development.

* Please check any of the following boxes that apply:

- ☐ Construction or extension of an offshore generating station (Reg. 6 (1a))
- ☒ Construction or extension of a non offshore generating station (Reg. 6 (1b))
- ☐ Highway related development (Reg. 6 (2) (part 1))
- ☐ Construction or alteration of a railway (Reg. 6 (2) (part 2))
- ☐ Construction or alteration of harbour facilities (Reg. 6 (3))
- ☐ Construction of a pipeline (Reg. 6 (4))
- ☐ Construction or alteration of a hazardous waste facility (Reg. 6 (5))
- ☐ Construction of a dam or reservoir (Reg. 6 (6))

Construction or extension of a non offshore generating station (Reg. 6 (1b))

* Provide a statement of who will be responsible for designing and building the connection to the electricity grid

* Is it a gas fuelled generating station?

☒ Yes ☐ No

* Provide a statement of who will be responsible for designing and building the gas pipeline connection to the generating station

Continued from previous page...

23. Any other plans, drawings and sections necessary to describe the proposal for which development consent is sought, and any other documents, reports or information to support the application



Provide a brief description of any other plans, drawings and sections that are being submitted with this application

2.5A - Two Unit Option Indicative Plant Layout
2.5B - One Unit Option Indicative Plant Layout
2.6A - Indicative Plant Elevations
2.6B - Indicative Gas Receiving Facility and Gas Compressor Building Elevations
2.6C - Indicative Above Ground Gas Installation Elevations
2.7 - Site Reconfiguration Works Plans
2.8 - Pedestrian Bridge Plan

Document reference 2.5A - Two Unit Option Indicative Plant Layout

Document reference 2.5B - One Unit Option Indicative Plant Layout

Remove this reference

Document reference 2.6A - Indicative Plant Elevations

Remove this reference

Document reference 2.6B - Indicative Gas Receiving Facility and Gas Compressor Building Elevations

Remove this reference

Document reference 2.6C - Indicative Above Ground Gas Installation Elevations

Remove this reference

Document reference 2.7 - Site Reconfiguration Works Plans

Remove this reference

Document reference 2.8 - Pedestrian Bridge Plan

Remove this reference

Add another reference

Provide a brief description of any other documents considered necessary to support the application

1.1 - Application Cover Letter
1.2 - Application Guide
1.4 - Section 55 Checklist

Continued from previous page...

1.5 - Electronic Application Index
1.6 - Glossary
5.2 - Planning Statement
5.6 - Combined Heat and Power Statement
5.7 - Carbon Capture Readiness Statement
6.4 - Environmental Statement Commitments Register
6.5 - Outline Construction Environmental Management Plan
6.7 - Outline Landscape and Biodiversity Strategy
7.1 - Proposed Heads of Terms for a Development Consent Obligation

Document reference

1.1 - Application Cover Letter

Document reference

1.2 - Application Guide

Remove this reference

Document reference

1.4 - Section 55 Checklist

Remove this reference

Document reference

1.5 - Electronic Application Index

Remove this reference

Document reference

1.6 - Glossary

Remove this reference

Document reference

5.2 - Planning Statement

Remove this reference

Document reference

5.6 - Combined Heat and Power
Statement

Remove this reference

Document reference

5.7 - Carbon Capture Readiness
Statement

Remove this reference

Document reference

6.4 - Environmental Statement
Commitments Register

Remove this reference

Document reference

6.5 - Outline Construction Environmental
Management Plan

Remove this reference

Continued from previous page...

Document reference

6.7 - Outline Landscape and Biodiversity Strategy

Remove this reference

Document reference

7.1 - Proposed Heads of Terms for a Development Consent Obligation

Remove this reference

Add another reference

Provide a brief description of any other information provided that is in support of the application, but which has not been explicitly required

N/A

Document reference

Add another reference

24. Other consents/licences required under other legislation



* Other consents/licences are required:

☒ Yes

☐ No

* Provide a list of consents/licences

These are set out in 5.8 - Other Consents and Licenses.

You must cite the document references as appropriate

* Document reference

5.8 - Other Consents and Licenses

Add another reference

25. Declaration



I declare to the best of my knowledge that the information given in this form and enclosed maps, plans and other documents are true.

Please note there is a requirement for one hard copy of the form to be signed. Please ensure that when you submit you include at least one signed copy. Further copies do not require the hand written signature.

Signature

(For and on behalf of the Applicant)

* Name

CLARE HENNESSEY

Continued from previous page...

(In block letters)

* Date

/ /
dd mm yyyy

* Organisation

* Position within the
organisation