

# The Drax Power (Generating Stations) Order

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

## Schedule of Changes

(Submitted for Deadline 1)



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  
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## Document History

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## Glossary

Term	Definition
Application	The DCO Application.
The Applicant	Drax Power Ltd.
Development Consent Order (DCO)	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).
Proposed Scheme	<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.</p> <p>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).</p> <p>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 may be protected by the same structure. 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:</p> <ul style="list-style-type: none"> <li>· Repower one unit (either Unit 5 or 6) and construct Unit X as a gas fired generating station; or</li> <li>· Repower both Units 5 and 6 and construct Unit X and Unit Y as two gas fired generating stations.</li> </ul> <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</p>

energy storage facility of up to 100 MW storage capacity would be constructed. The maximum size of the battery storage cells and any structure built to protect them housing the battery storage facility would not change, as the battery storage cells for one Unit could be 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.

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.

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.

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.

The Proposed Scheme includes the Site Reconfiguration Works and the Electrical connection.

Drax's Proposed Scheme is described in more detail in Chapter 3 (Site and Project Description) of the ES Volume 1 (document reference 6.1).

Schedule 1 of the draft DCO submitted with the DCO Application lists out the elements comprised within the Proposed Scheme.

## Abbreviations

Abbreviation	Term in full
BEIS	Department of Business, Energy and Industrial Strategy
DCO	Development Consent Order
SoS	Secretary of State

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# 1 INTRODUCTION

## 1.1 Overview

- 1.1.1 An application (“the Application”) for a Development Consent Order (“DCO”) for the Drax Repower Project (“the Proposed Scheme”) has recently been made by Drax (“the Applicant”) to the Secretary of State (“SoS”) for Business, Energy and Industrial Strategy (“BEIS”). The Application was accepted for Examination on 26 June 2018, with the examination commencing on 4 October 2018.
- 1.1.2 The Proposed Scheme is described in detail in Chapter 3 (Site and Project Description) of the Environmental Statement (document reference 6.1.3, Examination Library reference APP-071) and the Glossary table above.

## 1.2 Purpose of this Document

- 1.2.1 This document contains the Schedule of Changes in relation to changes made to documents previously submitted for the DCO Application, as set out within the tables below.
- 1.2.2 For each deadline for the examination, a revised Schedule of Changes will be provided detailing the changes made to documents previously submitted.

# 2 SCHEDULE OF CHANGES

## 2.1 Schedule of Changes for Document 1.2 Application Guide

Table 2.1 - Schedule of Changes for Document 1.2 Application Guide – Rev. 005

Reference	Change	Reason for Change
General	Update to document revisions and addition of Category 8.	The Application Guide has been updated several times since submission of the Application to reflect updates to other documents. Further, Category 8 (Examination Documentation) has been added following the acceptance of the Application for Examination.
Section 6	Site and Project Description has been updated to reflect revised project description.	Updated to provide clarification in relation to the battery storage cells.
Section 9 Table 5	Colour coding system has been added to Table 5 - Application Documents.	For ease of navigation, on request of the Examining Authority at the Preliminary Meeting on 04 October 2018, the document categories presented in Table 5 are now colour coded.