The Great Grid Upgrade

North Humber to High Marnham

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North Humber to High Marnham

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nationalgrid

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1. Introduction

1.1 Overview

1.1.1 National Grid Electricity Transmission plc (National Grid) owns and maintains the national high voltage electricity transmission network throughout England and Wales.

1.1.2 The transmission network connects the power from where it is generated to the regional distribution network operators who then supply businesses and homes.

1.1.3 National Grid holds the Transmission Licence for England and Wales, and its statutory duty is to develop and maintain an efficient, coordinated and economical system of electricity transmission and to facilitate competition in the generation and supply of electricity, as set out in the Electricity Act 1989.

1.1.4 National Grid has developed plans for the North Humber to High Marnham Project (the Project). The Project would support the UK government's net zero target through the connection of new low carbon energy generation and by reinforcing the transmission network.

1.1.5 The Project would establish a new 400 kilovolt (kV) transmission connection approximately 90 kilometre (km) in length between a new substation to be built in the vicinity of Birkhill Wood, located to the north of Hull near Creyke Beck in the East Riding of Yorkshire, and a new substation at High Marnham in Nottinghamshire.

1.1.6 The reinforcement is needed because the existing transmission network, even with current upgrading, will not have sufficient capacity for the new renewable energy (a substantial proportion of which would be generated by offshore wind) that is expected to connect to the network over the next 10 years and beyond. Completion of the Project, together with other new reinforcements across the country, will meet this future energy transmission demand across the UK.

1.1.7 The Project is a Nationally Significant Infrastructure Project (NSIP), and National Grid is seeking development consent under the Planning Act 2008. NSIPs require a type of planning permission known as a Development Consent Order (DCO). Instead of applying to the local authority for planning permission, the developer must apply to the Secretary of State (SoS) via the Planning Inspectorate for a DCO.

1.1.8 National Grid has submitted an application for development consent to the Planning Inspectorate for the Project. The Examining Authority (consisting of one or more examining inspectors), after a period of public examination, will make its recommendation to the Secretary of State for Energy Security and Net Zero, who in turn will decide on whether development consent should be granted.

1.1.9 The Project has been identified as being critical to delivering a network which supports the clean power pathways for 2030 delivery.

1.2 Purpose of this Report

1.2.1 This Interrelationships Document ('this Document') has been produced by National Grid in support of the Development Consent Order (DCO) application for the Project.

This Document details how the Project has considered potential interactions and interfaces with other projects and complied with coordination policies set out in the National Policy Statements (NPS):

- Overarching National Policy Statement for Energy (EN-1) (Department for Energy Security and Net Zero, 2025);
- National Policy Statement for Electricity Networks Infrastructure (EN-5) (Department for Energy Security and Net Zero, 2025).

1.2.2 The above documents require the consideration and evaluation of coordination for onshore and offshore electricity transmission infrastructure to minimise adverse impacts to the local environment and host communities. The need to consider coordination is also referenced in the Advice on Preparing Applications for Linear Projects (Planning Inspectorate, 2025).

1.2.3 The NPSs for energy advocate the importance of coordination when considering the location and route of transmission infrastructure. A coordinated approach is considered most likely to provide the highest level of consumer, environmental and community benefits particularly in regions with multiple transmission infrastructure projects.

1.2.4 EN-1 notes in paragraph 3.3.83 that '*the importance of accelerating coordination does not, however, militate against the need for standalone electricity networks projects, and these projects are supported by this NPS and should continue to be assessed on their own merits*'. Paragraph 2.15.1 of EN-5 highlights that coordinated approaches to delivering onshore and offshore transmission must be considered and that the Secretary of State must be satisfied that applicants have explained the steps they have taken to do this.

1.3 Approach to this Report

1.3.1 During development of the Project, the Applicant has identified projects where potential opportunities for coordination could exist.

1.3.2 Projects have been identified where there is a physical interface with the Project or where there may be opportunities for coordination where red line boundaries/order limits do not interact e.g. in relation to potential construction or mitigation opportunities and/or where opportunities for coordination have been identified through engagement with other project promoters and host authorities. It must be recognised that subject to a project's commercial sensitivities and restrictions, it may not always have been possible to engage with other project promoters in relation to coordination matters.

1.3.3 As part of the process of identifying relevant projects, consideration has also been given to the cumulative effects assessment and the projects shortlisted for cumulative assessment in **Application Document 6.21 Environmental Statement Chapter 21 Inter-project Cumulative Effects**. Further details regarding the projects considered as part of this Document are provided in Section 3 with more detail about the approach to coordination provided in Section 4.

1.3.4 The Applicant has been in discussions with those promoters, in respect of the details presented in this report and will continue to monitor applications where there may be an interrelationship with the Project as well as the potential for coordination opportunities. This report therefore presents the coordination work completed to date. This work will continue as the Project progresses following submission of the DCO

application, through examination and through into construction recognising that any opportunities for coordination will need to be considered in view of the National Grid programme and delivery strategy.

1.4 Structure of this Document

1.4.1 This document is structured as outlined in Table 1.1.

Table 1.1 – Structure of this Report

Section	Summary of Content
2 – National Policy Context and Other Coordination Drivers	Explains the national policy context as it relates to coordination of projects, focusing on the relevant NPSs for Energy. Other drivers for the delivery of coordination are also discussed.
3 – Overview of Projects Identified for Coordination	Presents a summary of the status of the projects which were identified by the Applicant as having potential opportunities for coordination. This is supported by a figure showing these projects in Appendix A.
4 – Approach taken to Coordination between Projects	Provides an overview of the various coordination approaches that have been considered by the Applicant in respect of the Project. It provides details of the engagement with the other project promoters/developers regarding coordination matters.
5 – Project Specific Coordination	Explains how the Applicant has considered coordination in relation to the options identification and selection stage, and the evolution of the Project following non-statutory consultation and prior to submission of the DCO application.
6 – Consideration of Good Design with Other Projects	Outlines how the Project has considered interrelationships with other projects through the design process including committed developments and how coordination will continue to be managed.
7 - Projects Reliant on the Construction of The Project	Outlines the other projects that are reliant on the construction of the Project and cross references to details in relation to **Application Document 7.17 Strategic Options Report Including Needs Case**.
8 – Provisions in Development Consent Orders	This section provides a summary of any provisions within **Application Document 3.1 Draft Development Consent Order** for the Project which includes reference to other NSIPs. It also outlines any references to the Project within consented DCOs.
9 – Changes to the Environmental Statement	Outlines how the Environmental Statement will be updated as the Project goes through the examination to take account of any changes where there may be an interaction.

1.5 Other Relevant Application Documents

1.5.1 Within this Report there are references to other documents including those from earlier stages of the design of the Project. These have been submitted in support of the application and are described in Table 1.2.

Table 1.2 – Other application documents referenced

Document	Description
Application Document 3.1 Draft Development Consent Order	The draft DCO
Application Document 5.5 Planning Statement	Presents the relevant national and local policy and explains how the Project performs against policy.
Application Document 5.9 Design Development Report	Details the design work which has been undertaken following statutory consultation.
Application Document 5.10 Design Approach Document	The Design Approach Document sets out the vision and principles which have guided the design approach for the Project.
Application Document 6.4 Environmental Statement Chapter 4 Project Description	Describes the Project, including its location, components, and key design parameters.
Application Document 6.4 F1 Environmental Statement Figure 4.1 Proposed Project Design	Illustrates the layout of the Project.
Application Document 6.21 Environmental Statement Chapter 21 Inter-Project Cumulative Effects	Assesses the potential for cumulative environmental effects arising from the Project in combination with other relevant plans and projects, taking into account overlapping spatial and temporal interactions and identifying any likely significant cumulative effects.
Application Document 6.21.A1 – 6.21.A14 Environmental Statement Appendices 21.1 – 21.14 Long Lists and Short List of Other Developments	Identifies the developments considered within the cumulative effects assessment.
Application Document 6.17 A3 Environmental Statement Appendix 17.3 Inter-Project Cumulative Effects	Presents the assessment of potential cumulative effects arising from interactions between the Project and other relevant projects
Application Document 7.2 Outline Code of Construction Practice	Sets out the framework of measures and controls that would

Document	Description
	be implemented during construction of the Project
Application Document 7.17 Strategic Options Report Including Needs Case	Provides an overview of the options that National Grid identified and evaluated for the connection of North Humber to High Marnham and Grimsby to Walpole.
Application Document 7.18 Corridor Preliminary Routeing and Siting Study	Explains the process and work undertaken to identify an emerging preferred corridor between Creyke Beck and High Marnham within which the proposed infrastructure may be located.
Application Document 7.19 Supplementary Corridor and Routeing Report	Explains the work undertaken to identify an emerging eastern corridor between South Wheatley and High Marnham.
Application Document 7.20 Design Development Report - 2025	This reports the design change process and the evolution of the design up to non-statutory consultation. It explains the design choices that have been made and demonstrates that the design has incorporated embedded mitigation to avoid or reduce significant environmental effects wherever practicable.

2. National Policy Context and Other Coordination Drivers

2.1 Introduction

2.1.1 This section explains the national policy context as it relates to coordination of projects focusing on the relevant NPS for Energy. Other drivers for the delivery of coordination are also discussed.

2.1.2 Section 8 of this Report sets out the Project's compliance with the relevant coordination policies identified in section 2.2 below. **Application Document 5.5 Planning Statement** provides an overall assessment of the Project against the relevant National Policy Statements; NPS EN-1 and NPS EN-5.

2.2 National Grid's General Duties

2.2.1 National Grid holds the Transmission Licence for England and Wales, and its statutory duty is to develop and maintain an efficient, coordinated and economical system of electricity transmission and to facilitate competition in the generation and supply of electricity, as set out in the Electricity Act 1989.

2.2.2 National Grid, as the regulated provider of electricity transmission services in England and Wales, is regulated by the Office of Gas and Electricity Markets (Ofgem). Transmission services include maintaining reliable electricity supplies and offering to construct new transmission system assets for new connections to the National Electricity Transmission System (NETS).

2.2.3 In accordance with Transmission Licence requirements, National Grid ensures that the transmission system in England and Wales meets the requirements in respect of transmission system security and quality of service at all times. As part of this requirement, National Grid must ensure that sufficient transmission system capability is provided to meet demand and generator customer requirements and wider transmission system needs that exist and/or are expected.

2.2.4 When planning changes to the transmission system, National Grid must be efficient, coordinated and economical and have regard to the desirability of preserving amenity, in line with the duties under s9 and s38 of the Electricity Act 1989.

2.3 National Policy Statements for Energy

2.3.1 National Policy Statements (NPSs) are produced by the government through a parliamentary approval process, and they present the planning policy framework for all decision making for NSIPs. They also include the government's objectives for the development of NSIPs and are produced for different types of infrastructure development.

2.3.2 In deciding an application for development consent, s104 of the Planning Act 2008 (PA2008) requires the Secretary of State for Energy Security and Net Zero to determine the application in accordance with any relevant NPS .

2.3.3 The following NPSs which came into force on 6 January 2026 are relevant to the Project:

- Overarching National Policy Statement for Energy (EN-1) (Department for Energy Security and Net Zero, 2025) – provides the primary basis for decisions on applications for nationally significant energy infrastructure. NPS EN-1 sets out national policy explaining the urgent need for significant amounts of large-scale energy infrastructure to meet national energy and net zero targets. When read alongside the relevant technology specific NPS, EN-1 provides the policy framework for decision making under the PA2008.
- National Policy Statement for Electricity Networks Infrastructure (EN-5) (Department for Energy Security and Net Zero, 2025) – a technology specific NPS which, read alongside NPS EN-1, provides the policy framework for electricity networks NSIPs and outlines at Paragraph 1.6.2 of EN-5 which above ground electricity lines are covered. These are above ground electricity lines whose nominal voltage is expected to be 132 kV or above, or other infrastructure for electricity networks associated with an NSIP.

2.3.4 The NPSs for energy advocate the importance of coordination when considering the location and route of transmission infrastructure. A coordinated approach is considered most likely to provide the highest level of consumer, environmental and community benefits, particularly in regions with multiple transmission infrastructure.

2.3.5 The importance of accelerating coordination does not also preclude the need for standalone renewable energy generation or transmission projects, which continue to be supported and should continue to be assessed on their own merits (paragraph 3.3.83 of NPS EN-1). However, in determining any application for development consent for the Project, the Secretary of State (SoS) is required to be satisfied that options for coordination have been considered and evaluated appropriately (paragraph 2.15.1 of NPS EN-5).

2.3.6 Table 2.1 below outlines the relevant NPS for energy coordination policies that apply to the Project.

Table 2.1 – Relevant NPS for energy coordination policies

Policy Reference	Policy
Overarching National Policy Statement for Energy (EN-1)	
Paragraph 3.3.82	…. considering the potential for unwarranted and avoidable disruption, inefficiency, and visual impacts along the onshore - offshore boundary, coordination of onshore transmission, offshore transmission, and offshore generation and interconnector developments should be considered at both the strategic and more detailed project design levels. This coordinated approach is likely to provide the highest degree of consumer, environmental, and community benefits.
National Policy Statement for Electricity Networks Infrastructure (EN-5)	
Paragraph 2.15.1	Coordinated approaches to delivering offshore and onshore transmission to minimise overall environmental, community, and other impacts, as set out above, must be considered. The Secretary of State must be satisfied that applicants have explained the steps they have

Policy Reference	Policy
	taken to do this, the options that have been considered and the approach they have taken to coordination. This evidence is expected to draw substantially on the work under the Offshore Transmission Network Review and relevant strategic network design exercises, together with any additional supporting evidence applicants consider relevant. The Secretary of State should also be satisfied that options for coordination have been considered and evaluated appropriately.

3. Overview of Projects Identified for Coordination

3.1 Introduction

3.1.1 This section outlines the projects that have been considered as having a potential interrelationship with the Project.

3.1.2 Table 3.1 provides a summary of projects that have been considered from a potential interrelationship and coordination perspective. Table 3.1 is supported by Appendix A which illustrates the Order Limits of the Project and the order limits or red line boundary of the other projects listed in Table 3.1.

3.1.3 The methodology used to select projects for this Document has been determined using professional judgement in consultation with stakeholders.

3.1.4 Projects have been selected where National Grid consider that additional information would be helpful for the public, stakeholders and Examining Authority in assessing the Project, based on the following considerations:

- The short list of projects within **6.21.A14 Environmental Statement Appendix 21.14 - Short List of Other Developments**
- If the project qualifies as a NSIP under the Planning Act 2008 or a major development under The Town and Country Planning (Development Management Procedure) (England) Order 2015;
- Whether there is a physical interface and, if so, the degree of complexity of that interface, and
- Demonstrating compliance with the relevant NPS for Electricity Networks on the criteria for good design.

3.1.5 National Grid is continuing ongoing engagement with the host authorities regarding the identification of emerging projects that may interact with the Project and if there are further opportunities to coordinate.

Table 3.1 – Summary of the Projects considered for Coordination Opportunities

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
DCO1 (512)	EN010125	Dogger Bank South wind farms	RWE & Masdar	A proposed 3 GW offshore wind farm development comprising the Dogger Bank East and Dogger Bank West offshore wind farms and associated offshore and onshore infrastructure, including offshore and onshore electricity cables and substation(s).	Development Consented 14/05/26	14/05/26	Unknown	2031/2032	East Riding of Yorkshire Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination.	(Dogger Bank South project website, n.d.)
DCO2 (513)	EN010144	Dogger Bank D wind farm	SSE Renewables and Equinor	A proposed offshore wind farm development comprising an offshore wind farm of 1.5 GW together with associated offshore high voltage transmission infrastructure.	Pre-application stage – application expected to be submitted June 2027	22/07/26	Unknown	Unknown	Hull City Council, East Riding of Yorkshire Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination,	(Dogger Bank D project website, n.d.)
DCO3 (511, 691)	EN010098	Hornsea Four Offshore Windfarm p (Orsted)	Orsted	A proposed offshore wind farm development and associated offshore and onshore infrastructure, including offshore and onshore electricity transmission infrastructure required to connect the project to the National Grid	Development Consented 12/07/23	22/07/26	Unknown	Unknown	Hull City Council, East Riding of Yorkshire Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination.	(Hornsea 4 project website, n.d.)

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
				transmission network.							
DCO4 (619)	EN0110018	Clean Air Solar Farm (Previously Kingfisher Solar Farm)	Orsted Onshore and Clean Air Renewables Limited	A proposed solar farm development in the East Riding of Yorkshire with an anticipated export capacity of approximately 500 MW, together with associated infrastructure required to connect to the electricity transmission network.	Application expected to be submitted September 2027.	22/07/26	2030	2033	East Riding of Yorkshire Council	Yes – Proximity to the Project and potential construction interactions require ongoing coordination.	(Clean Air Solar Farm website, n.d.)
DCO5 (618)	EN0710003	Humber Carbon Capture Pipeline	Northern Endurance Partnership (NEP) and Net Zero North Sea Storage Limited	A proposed carbon dioxide transportation pipeline and associated above ground infrastructure extending from Drax Power Station in North Yorkshire to the Easington terminal in East Riding of Yorkshire. The project would transport captured carbon dioxide from industrial emitters within the Humber region for offshore storage between the North Sea and forms part of the wider East Coast Cluster carbon capture and storage network.	Pre-application stage – application expected to be submitted Q1 2027	22/07/26	2029	2032	East Riding of Yorkshire Council, North Lincolnshire	Yes – Spatial overlap and project interfaces require ongoing coordination.	(Humber Carbon Capture Pipeline project website, n.d.)

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
DCO6 (621)	EN0110001	Keadby Next Generation Power Station Project	Keadby Next Generation Limited	A combined cycle gas turbine electricity generating station designed to run on 100% hydrogen and able to run on 100% natural gas of up to 910 megawatts net electrical output; hydrogen and natural gas supply infrastructure, water supply and electricity connections; above ground installations; utilities connections; construction laydown areas; access; and other associated and ancillary development.	Examination stage with decision expected late 2026 or early 2027	22/07/26	Unknown	3-4 years after the start of construction	North Lincolnshire Council	Yes – Proximity and potential construction interactions require ongoing coordination. The Project is seeking to share a haul road where construction activities overlap.	(Planning Inspectorate, n.d.)
DCO7 (8)	EN010114	Keadby 3 Carbon Capture Power Station	SSE	A combined cycle gas turbine (CCGT) power station, comprising a CCGT unit with a capacity of up to 910 megawatts electrical output (gross), carbon capture and compression plant, electrical, gas, and cooling water connections, and associated development.	Granted 7/12/22	22/07/26	Unknown	3-4 years after the start of construction	North Lincolnshire Council	Yes – Proximity and potential construction interactions require ongoing coordination. The Project is seeking to share a haul road.	(Keadby 3 Carbon Capture project website, n.d.)
DCO8	EN010142	Tillbridge Solar	Tillbridge Solar Limited	Generating station with an anticipated capacity in excess of 50MW, comprising ground mounted	Granted 14/10/25	22/07/26	September 2027	2 years after the start of construction	North Lincolnshire Council and Nottinghamshire County Council	No – the interaction was with the eastern corridor which	(Tillbridge Solar project website, n.d.)

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
				solar arrays, with associated development comprising energy storage, grid connection infrastructure and other associated development for the construction, operation, maintenance and decommissioning of the solar farm.						is no longer being brought forward.	
DCO9 (728)	EN0110029	STEP Fusion	UK Industrial Fusion Solutions Ltd (UKIFS)	Prototype fusion energy plant at the former West Burton power station site.	Pre application	08/06/26	No date shared	Circa 10 years from the start of construction	Nottinghamshire County Council	Yes – There is no overlap in Order Limits, but it is in proximity to the project and potential project interfaces require ongoing coordination.	(Planning Inspectorate, n.d.)
DCO10 (17)	EN010163	Steeple Renewables Energy	RES Group	A proposed solar and battery energy storage project comprising up to approximately 600 MW of solar generation and associated energy storage and grid connection infrastructure. The project is located adjacent to the former West Burton Power Station, utilising existing grid	Granted 09/10/26	09/10/26	2027	2029	Bassetlaw District Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination.	(Steeple Renewables project website, n.d.) (Planning Inspectorate, n.d.)

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
				infrastructure and export capacity.							
DCO11 (354)	EN010159	One Earth Solar farm	One Earth Solar Farm Limited as an SPV of Perigus and Pedero Solar Limited	A proposed solar photovoltaic and energy storage development up to 740 MW located in Nottinghamshire together with associated grid connection infrastructure. The project connects into the transmission network at High Marnham.	Approved 08/07/26	10/07/26	End of 2026	2 years after the start of construction	Bassetlaw District Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination.	(One Earth Solar Farm project website, n.d.)
DCO12 (749)	EN0710008	East Coast Hydrogen Humber Pipeline	Northern Gas Networks	The project consists of the construction (including repurposing) and operation of an approximately 110km underground high and intermediate pressure hydrogen pipeline between Saltend and Byram, Knottingley.	Pre application stage, Application expected November 2028	22/07/26	2030 onwards	Unknown	Multiple. Relevant to NHHM - East Riding of Yorkshire Council and North Lincolnshire Council	Yes - Spatial overlap and potential for overlapping construction programmes at the later end of the Project's construction.	(Planning Inspectorate, n.d.)
DCO13 (748)	EN0710007	Project Union: East Coast	National Gas Transmission	Repurpose existing and build new pipelines to create a core hydrogen network for Great Britain.	Pre application stage, Application expected December 2028	22/07/26	2030 onwards	Unknown	Multiple. Relevant to NHHM - East Riding of Yorkshire Council and North Lincolnshire Council	Yes - Spatial overlap and potential for overlapping construction programmes at the later end of the Project's construction.	(Planning Inspectorate, n.d.)

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
DCO14 (415)	EN010157	Peartree Hill Solar Farm	RWE Renewables UK Solar and Storage Limited	The project comprises the construction of a Solar Farm and collated Battery Energy Storage System (BESS) that would allow for the generation, export and storage of electricity exceeding 50 MW	Approved 02/07/2026	24/07/26	Unknown	Unknown	East Riding of Yorkshire Council	No – No coordination as the physical interaction is a cable interaction with the existing Creyke Beck substation access at the northern extent of the route.	(Planning Inspectorate, n.d.)
DCO15 (733)	EN0610001	H2East Pipeline: Humber to Nottinghamshire	Cadent Gas Limited	A 150km underground Gas Transport Pipeline project which will convey hydrogen from production at North Killingholme on the Humber and High Marnham in Nottinghamshire to industrial users across North Lincolnshire and Nottinghamshire.	Pre application stage, Application expected December 2028	10/08/26	Unknown	Unknown	Multiple. Relevant to NHHM – North Lincolnshire, Bassetlaw District Council and Nottinghamshire County Council	Yes - Spatial overlap and potential for overlapping construction programmes at the later end of the Project's construction.	(Planning Inspectorate, n.d.)
ERYC1 (677)	25/01898/STPLF	Birkhill Wood Substation	National Grid	A proposed 400kV gas-insulated substation located next to the existing Creyke Beck Substation. It forms part of the National Grid Electricity Transmission reinforcement works. The NHHM proposed 400 kV transmission overhead line will	Approved 27/02/26	22/07/26	Spring 2027	2030	East Riding of Yorkshire Council	Yes – Spatial overlap and the integrated delivery of the wider National Grid programme require ongoing coordination.	(National Grid, n.d.)

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
				connect into this substation.							
ERYC2 (126, 329)	21/02335/STPLF	Creyke Beck Solar	Previously Albanwise Synergy Ltd. Now Padero Solar Limited (PS Renewables)	A solar photovoltaic and battery energy storage development located in the vicinity of Creyke Beck Substation, comprising solar generation arrays, battery storage and associated electrical infrastructure including grid connection works.	Approved 06/01/22	06/01/22	Unknown	Unknown	East Riding of Yorkshire Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination.	East Riding Planning public access – application reference 21/02335/STPLF
ERYC3		A164 Jacks Lodge Improvement – road widening	East Riding of Yorkshire Council	Planned significant improvements to the A164 as well as replacement of Jock's Lodge junction.	Approved 01/07/20	04/06/26	08/01/2024	Late 2026	East Riding of Yorkshire Council	No, there will be no overlapping construction programmes.	(A164 project website, n.d.)
NLC1	NA	Keadby Wind Farm (SSE Renewables)	SSE Renewables	An operational onshore wind farm with an installed capacity of approximately 68 MW.	Operational	Operational	N/A	N/A	North Lincolnshire Council	Yes – Proximity and operational interfaces require ongoing coordination.	(SSE, n.d.)
NLC2 (681)	PA/2025/444	Pilfrey Solar	Culham Renewables Ltd	A solar photovoltaic generation development together with associated electrical infrastructure in the vicinity of the Keadby area.	Planning Application validated 08/08/25	08/08/25	Unknown	Unknown	North Lincolnshire Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination.	(Plfrey Solar Farm project website, n.d.)
BDC1 (323, 334)	23/01135/FUL	High Marnham Green Energy Park –	JG Pears Property Ltd & Siemens Energy Limited (GeoPura)	Low-carbon hydrogen production, storage and distribution facility	Approved 08/02/24	08/02/24	Started	January 2026	Bassetlaw District Council	Yes – Spatial overlap and potential construction	(HyMarnham Power project website, n.d.)

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
		HyMarnham Power		located at the former High Marnham coal-fired power station site.						interactions require ongoing coordination.	
BDC2 (281)	20/00117/FUL	Wood Lane Solar	Elgin Energy EsCo	Solar photovoltaic generation development together with associated infrastructure.	Approved 27/08/20	22/07/26	Unknown	12-16 weeks after the start of construction	Bassetlaw District Council	Yes – Proximity and potential indirect interactions require ingoing coordination.	Bassetlaw Planning public access – application reference 20/00117/FUL
BDC3 (737)	26/00293/FUL	American Farm Solar	JG Pears Property Ltd (High Marham Renewables)	49.9MW solar photovoltaic development together with associated infrastructure and landscaping.	Planning Application validated 27/03/26	03/06/26	Unknown	Unknown	Bassetlaw District Council	Yes – Spatial overlap and potential construction interactions require ongoing coordination.	Bassetlaw Planning public access – application reference 26/00293/FUL
BDC4 (742)	26/00354/FUL	East Drayton 1 Solar	JG Pears Property Ltd (High Marham Renewables)	49.9MW solar photovoltaic development together with associated infrastructure and landscaping.	Planning Application validated 08/04/26	03/06/26	Unknown	Unknown	Bassetlaw District Council	Yes - Spatial overlap and potential construction interactions require ongoing coordination.	Bassetlaw Planning public access – application reference 26/00354/FUL
BDC5 (743)	26/00353/FUL	East Drayton 2 Solar	JG Pears Property Ltd (High Marham Renewables)	49.9MW solar photovoltaic development together with associated infrastructure and landscaping.	Planning Application validated 08/04/26	03/06/26	Unknown	Unknown	Bassetlaw District Council	Yes - Spatial overlap and potential construction interactions require ongoing coordination.	Bassetlaw Planning public access – application reference 26/00353/FUL

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
BDC6	22/00358/FUL	Bumble Bee Solar	Enso Energy and Cero Generation	Solar photovoltaic and battery storage development together with associated infrastructure.	Approved 14/07/22	12/05/26	Spring 2026	Summer 2027	Bassetlaw District Council	Yes – Proximity and potential construction programme interaction require ingoing coordination.	(Bumble Bee Solar project website, n.d.)
BDC7 (289)	22/00707/FUL	High Marnham Solar (land adjoining former power station)	JG Pears Property Ltd	Solar photovoltaic development on land adjoining the former High Marnham Power Station, comprising solar arrays and associated infrastructure.	Approved 05/01/23	05/01/23	Unknown	Unknown	Bassetlaw District Council	Yes – Direct spatial overlap and significant construction interfaces require ongoing coordination.	(JG Pears Solar (Land adjoining former power station) project website, n.d.)
BDC8 (719)	25/01302/FUL	High Marnham Substation	National Grid	A proposed 400kV air-insulated substation and associated infrastructure located at High Marnham. It forms part of the National Grid Electricity Transmission reinforcement works. The NHHM proposed 400 kV transmission overhead line will connect into this substation.	Planning Application validated 27/11/25	12/05/26	June 2026	October 2030	Bassetlaw District Council	Yes - Spatial overlap and the integrated delivery of the wider National Grid programme require ongoing coordination.	Bassetlaw Planning public access – application reference 25/01302/FUL The High Marnham Substation OCTMP
BDC9 (500)	24/01138/FUL	Crabtree Lane solar BESS	Enso Energy	A proposed battery energy storage system, substation and associated infrastructure.	Granted 27/06/25	04/06/26	Unknown	30 months from the start of construction	Bassetlaw District Council	Yes – Proximity and potential construction interactions require ongoing coordination.	(Crabtree Lane solar BESS project website, n.d.) Bassetlaw Planning public access –

ID (Short list ID in bracket)	Application Reference	Project Name	Project Promoter/Applicant	Brief Summary of Project	Project Consenting Timeframes		Indicative Project Construction and Operation Programmes		LPA Area Covered	Considered Further for Coordination (Yes/No and Justification)	Data Source
					Status	Status Date	Indicative Construction Phase	Expected Start of Operation			
											application reference 24/01138/FUL
BDC10 (379)	21/01147/FUL	Tuxford Road Solar Farm	Enso Energy	A proposed 49.9 MW solar farm and battery storage facility with associated infrastructure.	Granted 16/12/21	04/06/26	Unknown	7 months from the start of construction	Bassetlaw District Council	No – No further coordination as the physical interaction is a cable interaction with the proposed High Marnham substation at the southern extent of the route.	(Tuxford Road Solar Farm project website, n.d.)
BDC11 (680)	25/00639/FUL	High Marnham BESS	Field High Marnham Ltd	Construction of a battery and energy storage system and associated infrastructure.	Granted 14/07/26	10/09/26	2028 onwards	2030 onwards	Bassetlaw District Council	No - No further coordination as the physical interaction is a cable interaction with the proposed High Marnham substation at the southern extent of the route.	(High Marnham BESS project website, n.d.) Bassetlaw Planning public access – application reference 25/00639/FUL

4. Approach Taken to Coordination between Projects

4.1 Introduction

4.1.1 This section of the report describes how the Applicant has coordinated the Project with other projects and the different approaches that have been considered.

4.2 Approaches to Coordination

4.2.1 The approach to coordination between projects has been and continues to be based on the following considerations:

- Where there is a physical interface and, if so, the degree of complexity of that interface – the Applicant is fully committed to an enhanced level of engagement where there could be construction overlaps and strong interface management requirements
- Where there may not be a direct physical interface but there could potentially be coordination opportunities linked to construction for example
- Using Statements of Common Ground (SoCG) to report dialogue and continued cooperation with other project promoters through the pre-application, pre-examination and examination stages.
- Demonstrating compliance with the relevant National Policy Statements on coordination and the criteria for good design.

4.2.2 The projects identified for coordination are being brought forward by multiple developers, reflect different needs cases, and are being developed and delivered along different timescales. The relative stages of each project, and the associated degree of certainty (or otherwise) around each project's design, has influenced how the Project has been able to reflect coordination in its overall submission for development consent, including routeing and siting design, the draft DCO (**Application Document 3.1 draft Development Consent Order**), and approach to project delivery. This largely relates to whether the Project has been able to consider in detail how it interacts with existing consented or emerging infrastructure, or whether it has embedded flexibility to accommodate a variety of unknown future design decisions by other parties.

4.2.3 For the Project, different aspects of coordination have been, and are continuing to be explored and, where possible, agreed. The broad approaches are summarised below.

Coordination in Project Development

4.2.4 At the routeing and siting stage, consideration was given to geographically and temporally proximate projects where relevant, in order to identify potential opportunities to reduce environmental and community effects through coordination.

4.2.5 A key consideration has been the extent to which coordination could be achieved through alignment with existing infrastructure corridors, including existing overhead line routes, and whether this could assist in minimising additional land take or disturbance.

4.2.6 In practice, opportunities for co-location of infrastructure have been limited. However, the presence of existing linear overhead line infrastructure has been an important factor in informing routeing decisions and reducing the need for entirely new corridors where practicable.

4.2.7 Notwithstanding the limited scope for co-location, consideration has been given to other forms of coordination between projects. This includes opportunities for shared or aligned use of temporary access arrangements where feasible, alignment of construction programmes where practicable and the potential to coordinate environmental mitigation measures in a manner that avoids unnecessary duplication and reduces cumulative effects.

4.2.8 Early discussions with LPAs prior to non-statutory consultation, supported by consultation feedback, identified that there may be benefits in coordinating construction activities between overlapping or proximate projects. This has informed ongoing engagement with other project promoters in relation to programme alignment, interface management and cumulative effects.

Sharing of Baseline Data

4.2.9 Where appropriate, sharing of information has been considered and this is recorded in the SoCGs with a summary provided about engagement with other project promoters in Section 4.3 below. The sharing of data has included the exchange of Geographic Information System data, interaction schedules, draft construction programmes, baseline environmental survey data, technical construction drawings and approved site layout plans. Further details are provided in Section 5.

Sharing of Mitigation Measures with Other Projects

4.2.10 As part of the consideration of overlaps between the Project and other projects, consideration has been given to whether there is a need to collaborate with those projects in relation to mitigation measures to manage the risk of potential significant cumulative construction and /or operational effects. This is discussed further in Section 5.

Interaction with Mitigation or Enhancement Measures of Other Projects

4.2.11 The Project has also considered whether it will interact with mitigation or enhancement measures of other projects such as physical landscape or biodiversity measures. This is discussed further in Section 5.

Consideration of Good Design Alongside Other Projects

4.2.12 The Project's design review has been iterative throughout, shaped by extensive stakeholder engagement and the EIA process. Effective interface management is also essential where multiple projects are being developed within the same geographic area and involve shared or interdependent infrastructure. This is outlined further in Section 6.

Coordination in Project Delivery

4.2.13 Where projects are co-located to an extent there may be opportunities to coordinate elements of their construction activities, logistics and associated infrastructure in order to create efficiencies and minimise impacts on the environment and local communities. This may include the sharing of materials, the use of haul roads, accesses or construction areas implemented for a different project, or the management of construction traffic in ways that reduce cumulative effects on local road networks.

Other Projects Reliant on Construction of The Project

4.2.14 **Application Document 7.17 Strategic Options Report Including Needs Case** sets out the needs case for the Project and explains which projects are driving the need for the Project. This is explored further in Section 7.

4.3 Coordination Dialogue

4.3.1 The Applicant has undertaken and will continue to maintain ongoing dialogue with all the projects identified for coordination. Examples of key ongoing discussions with other stakeholders (project promoters, local authorities) are summarised below. Reference should also be made to the relevant SoCGs which are listed below. Further SoCGs are due to be prepared and submitted following submission. This report will be updated at that time to reflect them.

Table 4.1 – Engagement with Stakeholders regarding Coordination

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
Dogger Bank South – RWE & Masdar	Monthly project update meetings held in conjunction with NGET Birkhill Wood substation team.	Coordination between projects in respect of Birkhill Wood substation new access.	N/A
Dogger Bank D wind farm – SSE Renewables and Equinor	There has been ongoing engagement since October 2024, including consultation responses, information sharing and regular project meetings covering design and corridor route development, programme interfaces, temporary and permanent land requirements, and	Shared use of the access road to proposed Birkhill Wood 400kV Substation off A1079. Continue sharing of data and design changes. Diversion or undergrounding of 11kV overhead line within Project Order limits.	**See Application Document 5.8.14 Statement of Common Ground Dogger Bank D SEE Renewables & Equinor**

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
	interactions with overhead lines, substations and construction activities. Engagement has also included the exchange of project spatial information and coordination of engineering interfaces between the projects. For further detail, see section 2 of Statement of Common Ground with Dogger Bank D (SEE Renewables & Equinor)	Cable routing within Birkhill Wood Substation. Joint construction management interface planning. For further detail, see section 3, subsections 'Design Interactions' and 'Cumulative Effects' **Application Document 5.8.14 Statement of Common Ground Dogger Bank D SEE Renewables & Equinor**	
Hornsea Four Offshore Windfarm - Orsted	Ongoing engagement including meetings held and sharing of relevant design and programme information	Design, construction, operational and maintenance interactions	N/A
Clean Air Solar Farm (Previously Kingfisher Solar Farm) - Orsted Onshore and PS Renewables	At the time of writing, no formal engagement has taken place as the project has only entered the pre-application stage. The Project intends to engage to discuss the ongoing matters.	Discussions regarding potential construction interfaces, construction access arrangements, programme coordination and traffic management should concurrent construction activities arise.	N/A
Humber Carbon Capture Pipeline - Northern Endurance Partnership (NEP) and Net Zero North Sea Storage Limited	Ongoing engagement since February 2024, including regular meetings, consultation responses, and information sharing related to design development, programme, temporary and permanent land take, and construction interfaces.	Discussions regarding potential construction interfaces, construction access arrangements, and programme coordination should concurrent construction activities arise.	N/A

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
Keadby Next Generation Power Station Project - Keadby Next Generation Limited	Ongoing engagement with SSE and the Keadby project team to coordinate land rights requirements, align delivery programmes, and agree the most appropriate agreements for affected parcels.	Ongoing engagement with SSE to determine the most appropriate agreement structures for the affected land parcels.	N/A
Keadby 3 Carbon Capture Power Station - SSE	Ongoing engagement with SSE and the Keadby project team to coordinate land rights requirements, align delivery programmes, and agree the most appropriate agreements for affected parcels.	Ongoing engagement with SSE to determine the most appropriate agreement structures for the affected land parcels	N/A
STEP Fusion - UK Industrial Fusion Solutions Ltd (UKIFS)	National Grid has engaged with UK Industrial Fusion Solutions Ltd (UKIFS) throughout project development to understand potential interfaces between the Project Development and the STEP Fusion project. Engagement has included the sharing of design, programme and GIS information and discussions regarding potential access, construction and transmission infrastructure interactions.	At the time of application, there is no overlap between the STEP Fusion project boundary and the Order Limits of the Project. However, given the proximity of the projects and the evolving nature of STEP Fusion, National Grid will continue to engage with UK Industrial Fusion Solutions Ltd (UKIFS) to understand and manage any emerging interfaces as both projects progress.	N/A

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
Steeple Renewables Energy - RES Group	Ongoing engagement since November 2023, including regular meetings, consultation responses, examination discussions and information sharing related to design development, programme, temporary and permanent land take, construction interfaces and protective provisions.	Continue discussions on construction interfaces, programme coordination, access arrangements, temporary and permanent land requirements, protective provisions and measures to facilitate the coexistence and delivery of both projects.	N/A
One Earth Solar farm - One Earth Solar Farm Limited as an SPV of Perigus and Pedero Solar Limited	Ongoing engagement since October 2023, including regular meetings, consultation engagement, information and shapefile sharing and coordination of design development and project interfaces. Engagement has covered corridor and alignment development, potential alternative route options, overlapping land interest and land take, substation and export cable interfaces, surveys, construction interfaces, traffic management and the development of Projective Provisions and Heads of Terms. For further detail, see **section 2 of Statement of Common Ground One Earth Solar Farm**	Interaction of 2 pylons with One Earth Solar Farms boundary. Overlap of the Project's woodland planning and One Earth Solar Farms biodiversity net gain area. Sharing of information regarding proposed access road off Fledborough Road and shared construction access. Discussion regarding management of a PRoW near both projects. Conductor stringing area and consideration of removable solar panels. Continued sharing of information between projects. Programme coordination, where reasonably possible.	See **Application Document 5.8.23 Statement of Common Ground - One Earth Solar Farm - Ørsted and PS Renewables.**

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
	(Orsted and Ps Renewables).	Discussion regarding proposed sterilisation plans. For further detail, see **section 3, subsection 'Cumulative Effects' of Application Document 5.8.23 Statement of Common Ground - One Earth Solar Farm - Ørsted and PS Renewables**.	
East Coast Hydrogen Humber Pipeline – Northern Gas Networks	At the time of writing, no formal engagement has taken place as the project has only recently entered the pre-application stage. The Project intends to engage to discuss the ongoing matters.	Discussions regarding potential construction interfaces, construction access arrangements, programme coordination and traffic management should concurrent construction activities arise.	N/A
Project Union: East Coast – National Gas Transmission	At the time of writing, no formal engagement has taken place as the project has only recently entered the pre-application stage. The Project intends to engage to discuss the ongoing matters.	Discussions regarding potential construction interfaces, construction access arrangements, programme coordination and traffic management should concurrent construction activities arise.	N/A
H2East Pipeline: Humber to Nottinghamshire	At the time of writing, no formal engagement has taken place as the project has only recently entered the pre-application stage. The Project intends to engage to discuss the ongoing matters.	Discussions regarding potential construction interfaces, construction access arrangements, programme coordination and traffic management should concurrent construction activities arise.	N/A
Birkhill Wood Substation - National Grid	Ongoing coordination between the National Grid project teams has informed the	Continue to coordination construction programming, access	See **Application Document 5.8.32 Statement of Common Ground –**

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
	development of both projects, including design, programme, construction interfaces, access arrangement and environmental assessment.	arrangements, traffic management, interfaces management and commissioning activities to support the efficient delivery of both projects.	**National Grid Electricity Distribution.**
Creyke Beck Solar - Previously Albanwise Synergy Ltd. Now Padero Solar Limited (PS Renewables)	Ongoing engagement since January 2025, including regular meetings and correspondence covering project interactions, design development, statutory consultation, programme, land and access impacts, and potential mitigation Engagement has included information and design sharing, discussion of impacts on the solar farm and its viability, review of design changes and construction arrangements, and early engagement on Heads of Terms, land agreements, compensation and land acquisition requirements. For further detail, see **section 3 of Application Document 5.8.22 Statement of Common Ground - Creyke Beck Solar - PS Renewables.**	Discussions regarding technical parameters and design interface. Construction programme coordination. Compensation and scheme interaction. For further detail, see **section 4 of Application Document 5.8.222 Statement of Common Ground - Creyke Beck Solar - PS Renewables.**	**See Statement of Common Ground with PS Renewables**
Keadby Wind Farm - SSE Renewables	National Grid has engaged with SSE Renewables throughout the	National Grid will continue to engage with the SSE Renewables to	N/A

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
	development of the Project to understand potential interfaces and opportunities for coordination. Engagement has included discussions regarding access arrangements, construction activities and the potential use of existing infrastructure and access routes.	understand and manage interfaces between the projects, including ongoing discussions regarding the potential use of internal access roads, access arrangements and the legal agreements required to facilitate the same.	
Pilfrey Solar - Culham Renewables Ltd	Meetings have been held with the project promoters to understand the Project and identify potential interactions arising from the proximity of the projects.	Discussions regarding potential construction interfaces, construction access arrangements, programme coordination and traffic management should concurrent construction activities arise.	N/A
High Marnham Green Energy Park – HyMarnham Power - JG Pears Property Ltd & Siemens Energy Limited (GeoPura)	Meetings have been held with the project promotors to understand the Project and identify potential interactions arising from the proximity of the projects.	Discussions regarding potential construction interfaces, construction access arrangements, programme coordination and traffic management should concurrent construction activities arise.	N/A
Wood Lane Solar - Elgin Energy EsCo	At the time of writing, no formal engagement has taken place as the project is full consented and has no physical overlaps. The project has been considered as part of the Applicant's assessment of cumulative development, with regard to potential indirect interactions associated with	The Project will engage as required. In the meantime, the Project will continue to monitor the project programme and consider any potential cumulative construction traffic effects and construction interfaces should concurrent construction activities arise.	N/A

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
	construction traffic and network capacity.		
American Farm Solar - JG Pears Property Ltd (High Marham Renewables) East Drayton 1 Solar - JG Pears Property Ltd (High Marham Renewables) East Drayton 2 Solar - JG Pears Property Ltd (High Marham Renewables)	Ongoing engagement has taken place with the promotor of the three projects since April 2023. Engagement has included regular consultation and project meetings, information and shapefile sharing and coordination of project interactions affecting the stakeholder's land. Discussions have covered design development, land requirements and access arrangements, interfaces with other solar and BESS developments, cable connections, programme and planning matters and Heads of Terms.	Continue discussions on construction interfaces, programme coordination, access arrangements and sequencing. Grid connection and routeing. Land information sharing and confidentiality agreements surrounding it. Land rights heads of terms. Exploration of design refinements to establish if interface constraints can be reduced. Discussion regarding proposed sterilisation plans to ascertain if future panel installation take place near the Project once complete.	NA
Bumble Bee Solar - Enso Energy and Cero Generation	National Grid has engaged with the Bumble Bee Solar project throughout the development of the Project to understand potential interfaces and opportunities for coordination. Engagement has included consideration of routeing and siting, access arrangements, programme information sharing and cumulative environmental effects.	Whilst Bumble Bee Solar is located in proximity to the Order Limits, significant overlap in construction activities is not currently anticipated based on the respective project programmes. National Grid will continue to monitor programme updates and maintain engagement, where necessary, to understand and manage any emerging	N/A

Stakeholder	Summary of engagement regarding coordination	Ongoing matters to discuss regarding coordination	Cross reference to relevant SoCG (as appropriate)
		interfaces between the projects.	
High Marnham Solar (land adjoining former power station) - JG Pears Property Ltd	Engagement has been undertaken with the project promotor to understand the significant physical interfaces between the projects and coordinate the proposed acquisition of land associated with the High Marnham Substation.	Continue discussions regarding the proposed land acquisition.	N/A
High Marnham Substation – National Grid	Ongoing coordination between the National Grid project teams has informed the development of both projects, including design, programme, construction interfaces, access arrangement and environmental assessment.	Continue to coordinate construction programming, access arrangements, traffic management, interfaces management and commissioning activities to support the efficient delivery of both projects.	See **Application Document 5.8.32 Statement of Common Ground – National Grid Electricity Distribution.**
Crabtree Lane solar BESS - Enso Energy	At the time of writing, no formal engagement has taken place on the project. Information sharing via the National Grid's Customer Connections team has taken place to understand the proposed development and identify potential physical interfaces. Discussions have primarily focused on the proposed grid connection route.	Continue to engage with the National Grid's Customer Connections team, to confirm any anticipated interactions.	N/A

5. Project-Specific Coordination

5.1 Introduction

5.1.1 This section of the report describes how the Applicant has coordinated the Project with other relevant projects, with a particular focus on the identification and management of physical interfaces – for example where the Project Order Limits overlap with the order limits or red line boundaries of other projects.

5.1.2 As illustrated by Table 3.1 of this report, these other projects are at various stages of the development process – including emerging, within the consenting process, consented, under construction, or operational. The stage of each project, and the associated level of design certainty, has influenced the extent to which coordination has been embedded within the design and proposed delivery of the Project.

5.1.3 An 'Interaction with Mitigation or Enhancement Measures' subsection is included for those projects where an interaction with the mitigation or enhancement measures associated with the Project has been identified, or where such an interaction previously existed but has since been resolved through the design development or coordination between the projects. It is not included where no such interaction has been identified.

5.1.4 The ID numbers used in **Application Documents 6.21.A1 to 6.21.A13** and in Table 3.1 in this report have been used in the subtitles (see brackets) in this section to assist identification.

5.2 Other NSIPS

Dogger Bank South (DCO1) (512)

Project Overview and Relationship

5.2.1 Dogger Bank South Offshore Wind Farms is a development consent order application comprising two offshore wind farms, Dogger Bank West and Dogger Bank East, together with associated offshore and onshore infrastructure including offshore and onshore high voltage electricity cables and offshore and onshore substations. The project would connect to the National Electricity Transmission network at the proposed National Grid Birkhill Wood substation. The application is being promoted by RWE and Masdar. The Development Consent Order was granted on 14 May 2026.

5.2.2 The project overlaps with the Order Limits of the Project within Route Section A in the wider Creyke Beck area. The interface between the project includes potential interactions relating to onshore transmission infrastructure, construction and permanent access arrangements, temporary works area and interfaces with existing and proposed transmission assets associated with the proposed Birkhill Wood substation.

5.2.3 The Applicant has engaged with the promoters of Dogger Bank South throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.2.4 The design of the Project has taken account of the presence of Dogger Bank South and embedded flexibility where appropriate to accommodate potential future infrastructure interfaces and minimise cumulative impacts where practicable.

5.2.5 During the options identification and section process, there were two corridors which were being considered. The Corridor 1 alignment identified within **Application Document 7.18 Corridor and Preliminary Routing and Siting Study** (CPRSS) would have resulted in a greater degree of interactions with the Dogger Bank South project than the preferred alignment within Corridor 2 (the route selected). However, the presence of the project was not a determining factor in the selection of the preferred corridor, with the route selection having regard to a wider range of engineering, environmental and land use considerations. Following the section and subsequent refinement of the preferred alignment, the Project and Dogger Bank South are largely physically separate, with interactions now limited to those noted below.

5.2.6 At the time of writing, there remains potential overlap between elements of the construction programmes for the two projects, particularly in relation to works within the wider Creyke Beck and Birkhill Wood area. Following the removal of Birkhill Wood substation from the Project's draft order limits, the interaction between the projects is now limited to two crossings of the Birkhill Wood substation access road/Project haul road and the entry point into the substation. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on local communities and the highway network.

5.2.7 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.8 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

Dogger Bank D (DCO2) (513)

5.2.9 Dogger Bank D Offshore Wind Farm encompasses a proposed offshore wind farm with an anticipated generation capacity of approximately 1.5 GW together with associated offshore high voltage transmission infrastructure. The project is being promoted by SSE Renewables and Equinor, with an application for development consent anticipated to be submitted in June 2027.

5.2.10 The project overlaps with the Order Limits for the Project within Route Section A in the wider Creyke Beck area. The interface between the projects includes potential interactions relating to onshore transmission infrastructure, construction and

permanent access arrangements, temporary works areas and interfaces with existing and proposed transmission infrastructure.

5.2.11 The Applicant has engaged with the promoters of Dogger Bank D since the project emerged in order to identify potential physical interfaces and opportunities for coordination. This included statutory consultation which was held for a period of 8 weeks from 18 February to 15 April 2025. This has included consideration of construction access arrangements, programme information sharing and cumulative environmental effects.

5.2.12 As Dogger Bank D remains at an earlier stage of development, the Applicant has continued to engage with the project promoter to understand the evolving design and identify opportunities to manage potential interfaces where practicable.

5.2.13 At the time of writing, the Dogger Bank D project remains at an early stage of development and its design and programme continue to evolve. There remains potential for overlap between elements of the construction programmes for the two projects, particularly in relation to works within the wider Creyke Beck area and associated transmission infrastructure interfaces.

5.2.14 The Project design requires the diversion of a Northern Power Grid (NPG) 11kV overhead line which overlaps the proposed order limits of Dogger Bank D. In February 2026 it was agreed with the promotor that this is unlikely to be an issue as there is space to route the Dogger Bank D onshore cable to the northeast of the proposed NPG 11kV works. This remains under discussion, but both projects have agreed to share detailed works methodologies to manage this small interaction during construction.

5.2.15 In April 2026 the Dogger Bank D project announced that a cable corridor to the north of the proposed 4AF overhead line, and a converter station located to the north of the A1079 were their preferred choices and would be pursued. Due to this decision, interactions between the projects have been reduced and are now limited to the Birkhill Wood substation access road/Project haul road and the Dogger Bank D entry point into Birkhill Wood substation. Ongoing engagement will therefore continue throughout the pre-application, pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on local communities and the highway network.

5.2.16 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.17 Geographic Information System data has been shared to allow both Projects to understand proposed routing and project layout.

Hornsea Four Offshore Windfarm (DCO3) (511, 691)

5.2.18 Hornsea Four Offshore Windfarm (Hornsea 4) is a consented offshore wind farm project located within the western area of the former Hornsea Zone 4 under the Crown Estate's Round 3 offshore wind licensing arrangements. The project comprises offshore wind generation together with associated offshore and onshore transmission infrastructure required to connect into the National Electricity Transmission System. The project is being promoted by Orsted and was granted development consent in July 2023 and will connect to one of National Grid's Creyke Beck or Wanlass Beck substations.

5.2.19 The project overlaps with the Order Limits for the Project within Route Section A in the wider Creyke Beck area. The design of the Project took account of the consented Hornsea 4 infrastructure and was developed to manage physical interfaces between the projects and minimise the potential for cumulative effects where practicable.

5.2.20 The Applicant has engaged with the promoter of the project throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.2.21 The design of the Project has taken account of the presence of Hornsea 4 and embedded flexibility where appropriate to accommodate potential infrastructure interfaces and minimise cumulative impacts where practicable.

5.2.22 Interactions between the projects involve the Hornsea 4 proposed underground cable passing underneath the proposed 4AF overhead line, shared use of the access road from the A1079, over sail of the proposed Hornsea 4 convertor station access road by the overhead line, crossing of the shared access road by the Project's temporary haul road and temporary scaffold crossing protection. Pylons for the 4AF route have been designed to be located outside of the proposed Hornsea 4 order limits.

5.2.23 In May 2025, Orsted announced that it intended to discontinue the project in its current form. Notwithstanding this announcement, the Applicant has continued to consider the consented project within the design and assessment process.

5.2.24 At the time of writing, the future programme and delivery strategy for the project is under review by the developer. The Applicant will continue to monitor the status of the project and engage with the project promoter where appropriate in order to understand and implications for coordination and cumulative effects. A Statement of Common Ground will be sought with Orsted, which will address matters around cooperation during any construction overlap.

5.2.25 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.26 Geographic Information System data has been shared to allow both Projects to understand proposed routing and layout.

Clean Air Solar Farm (Previously Kingfisher Solar Farm) (DCO4) (619)

5.2.27 Clean Air Solar Farm is a proposed solar photovoltaic and battery energy storage development located in the East Riding of Yorkshire. The project was previously known as Kingfisher Solar which was being developed by Orsted and was sited on land to the north of Beverley is now being developed to include land to the south-west of the A1079. The project includes ground-mounted solar arrays, battery storage infrastructure and associated grid connection works. It will connect to the proposed Wanlass Beck substation (an extension of the existing Creyke Beck substation).

5.2.28 The project is located in proximity to the Order Limits for the Project, including within the wider Creyke Beck area where multiple electricity infrastructure projects are being brought forward. As a result, there is potential for interaction between the projects in relation to access arrangements, construction activities and interfaces with transmission infrastructure.

5.2.29 At the time of writing, the Clean Air Solar Farm project remains at an early stage of development, and no formal engagement has taken place between the Applicant and the project promoter. The potential grid connection to the proposed Wanlass Beck substation is understood and has been considered as part of the wider electricity transmission infrastructure planned within the Creyke Beck area.

5.2.30 At the time of writing, the DCO for the Clean Air Solar Farm has not been submitted. As the design and programme for the Clean Air Solar Farm continue to evolve, the Applicant will seek to engage with the project promoter, where appropriate, to understand any potential interfaces and identify opportunities for coordination. Ongoing engagement, where required, will support the management of potential cumulative construction effects should concurrent construction activities arise.

5.2.31 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.32 Geographic Information System data has been shared to allow both Projects to understand proposed routing and project layout.

5.2.33 Design and programme information has been shared along with statutory consultation materials.

Humber Carbon Capture Pipeline (HCCP) (DCO5) (618)

5.2.34 The Humber Carbon Capture Pipeline project comprises an onshore underground CO2 pipeline and associated above ground infrastructure to transport captured carbon dioxide from emitters in the Humber region (to be selected by UK Government as part of the Carbon Capture Usage and Storage Cluster Sequencing process) from Drax (in North Yorkshire) to Easington on the coast (within East Riding of Yorkshire) to connect with a secure offshore storage in the North Sea (with the offshore storage and associated transportation pipeline subject to separate consent). The HCCP project is being promoted by Northern Endurance Partnership (NEP), the applicant is Net Zero North Sea Storage Limited with an application expected to be submitted in February 2027.

5.2.35 The HCCP development overlaps with the Order Limits of the Project within Route Section B and C. The interface between the projects includes crossings between the proposed OHL and the proposed pipeline corridor, involving overlaps of temporary works areas and interactions relating to construction and maintenance access. There was also an overlap of the Project's Functionally Linked Land (FLL) and the proposed order limits of HCCP. However ongoing engagement with NEP has resulted in identification and resolution of this overlap. This is addressed further at 5.2.48.

5.2.36 The Applicant has engaged with NEP throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of proposed routeing and siting, construction and maintenance access arrangements, crossing methodologies, programme information sharing and cumulative environmental effects.

5.2.37 Where required, crossing agreements and protective provisions could be used to manage the interface between the two projects.

5.2.38 When NEP presented its draft order limits and scoping report, the Project’s proposed overhead line alignment had already been developed and consulted upon through statutory consultation. Given the differing orientation of the two projects (north-south for NHHM, broadly east-west for the HCCP), crossings between the two projects cannot be entirely avoided.

5.2.39 Notwithstanding this, ongoing engagement and information sharing between the project teams has enabled opportunities to minimise potential interactions. In particular, NEP subsequently refined its development’s draft order limits in the vicinity of Crowle to avoid a double crossing of the Crowle and Eastoft Boundary Dyke and to reduce potential interactions with the Project’s proposed tower working area at location 4AF115.

5.2.40 Whilst NEP continues to refine its proposed pipeline corridor and order limits, with the aim of minimising interfaces with the Project where practical, an additional area of interaction between the two projects (construction access overlap off BM-066 (Bellmouth)) has been identified following NEP’s targeted consultation, which may lead to cumulative impacts. Ongoing engagement between the parties will continue throughout the development of both projects to support effective interface management and reduce potential cumulative environmental and construction effects.

5.2.41 At the time of writing, the HCCP construction activities are not anticipated to start until 2029, therefore the likelihood of construction programmes interactions has reduced.

5.2.42 However, it is anticipated that the ongoing engagement would continue throughout the pre-construction and construction phases in order to coordinate any delivery activities, managed interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network. A Statement of Common Ground will be sought with the promoter which will address matters around cooperation during any construction overlap, it is intended to submit this after DCO submission.

5.2.43 Temporary traffic management measures proposed by the Project have been shared with the promoter. Details of proposed construction accesses have been shared by the promoter as part of a targeted consultation.

5.2.44 Where concurrent construction activities are anticipated, engagement with the promoter will continue and coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.45 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.2.46 Interaction schedules were shared by the Project with the promoter to describe the types of interactions identified and their implications

5.2.47 Information shared by the Promoter is in the public domain. Confidential information has been shared by the Project to allow discussions to progress and agreements to be reached.

Interaction with Mitigation or Enhancement Measures

5.2.48 The Applicant also explored multiple siting options for FFL mitigations to minimise interactions with the HCCP project. This has been the subject of discussions with NEP. The Applicant identified a suitable alternative site to remove the identified interaction with the HCCP development and refined the Project's draft order limits accordingly.

Keadby Next Generation Power Station Project (DCO6) (621)

5.2.49 The Keadby Next Generation Power Station project is a proposed combined cycle gas turbine (CCGT) electricity generating station with a capacity of up to 910 MW net electrical output. The project has been designed to operate on 100% hydrogen with the capability to operate on 100% natural gas. The development also comprised associated hydrogen and natural gas supply infrastructure, water supply and electricity connections, above arrangements, and other ancillary development. The project is being promoted by Keadby Next Generation Limited and is located within North Lincolnshire Council.

5.2.50 The project is located in proximity to the Order Limits of the Project within the Keadby area. The interface between the projects includes potential interactions relating to construction access arrangements and the use of a shared haul road.

5.2.51 The Applicant has engaged with the promoter of the Keadby Next Generation Power Station Project throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This positive relationship has included consideration of routing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.2.52 The design of the Project has taken account of the presence of the Keadby Next Generation Power Station Project and embedded flexibility where appropriate to facilitate future interface management and minimise cumulative impacts where practicable. Opportunities for coordination relating to construction access and haul road arrangements have been explored through ongoing engagement between the project teams.

5.2.53 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on local communities and the highway network, including the potential sharing of construction infrastructure where appropriate.

5.2.54 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.55 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.2.56 Design and programme information has been shared along with statutory consultation materials.

Keadby 3 Carbon Capture Power Station (DCO7) (8)

5.2.57 Keadby 3 Carbon Capture Power Station is a consented combined cycle gas turbine (CCGT) power station comprising a CCGT generating unit with a capacity of up to 910 MW electrical output (gross), together, with carbon capture and compression plant, electrical, gas and cooling water connections, and associated infrastructure. The project is being promoted by SSE and is located within the administrative area of North Lincolnshire Council. The project forms the third phase of power generation development at Keadby, following the delivery of Keadby 1 and Keadby 2, and was granted development consent on 7 December 2022.

5.2.58 The project is located in proximity to the Order Limits of the Project within the Keadby area. The interface between the projects includes potential interactions relating to construction access arrangements, temporary works area and the use of the shared haul road. The opportunity to utilise common construction infrastructure has been identified as a key area for coordination between the projects.

5.2.59 The Applicant has engaged with the promoter of Keadby 3 throughout the development of the Project to identify physical interfaces and opportunities for coordination. This positive relationship has included consideration of touring and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.2.60 The design of the Project has taken account of the presence of Keadby 3 and embedded flexibility where appropriate to facilitate future interface management and minimise cumulative impacts where practicable. Opportunities for coordination relating to construction access and haul road arrangements have been explored through ongoing engagement between the project teams.

5.2.61 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on local communities and the highway network, including the potential sharing of construction infrastructure where appropriate.

5.2.62 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.63 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.2.64 Design and programme information has been shared along with statutory consultation materials.

STEP Fusion (at the former West Burton power station) (DCO9) (728)

5.2.65 The STEP fusion (Spherical Tokamak for Energy Production) project is a proposed prototype fusion energy plant to be developed at the former West Burton Power Station site. The project is being promoted by UK Industrial Fusion Solutions Ltd and is currently at the pre-application stage. The project is located within Nottinghamshire County Councils jurisdiction.

5.2.66 Whilst there is no overlap between the STEP Fusion project boundary and the Order Limits for the Project, the projects are located within close proximity of one another and there is potential for interaction in relation to existing and future electricity transmission infrastructure and construction activity.

5.2.67 The Applicant has engaged with the promoter of STEP Fusion throughout the development of the Project to understand potential interfaces and opportunities for coordination. This has included consideration of programme information, future network requirements and the potential interaction between the projects and they continue to evolve.

5.2.68 At the time of writing, STEP Fusion remains at an early stage of development, and its design and delivery programme continue to evolve. Although there is no direct overlap proposed between the projects, ongoing engagement is expected to continue throughout the development of both to coordinate activities and manage potential interfaces and identify opportunities to support the efficient delivery of nationally significant energy infrastructure within the area.

5.2.69 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.70 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.2.71 Design and programme information has been shared along with statutory consultation materials.

Steeple Renewables (DCO10) (17)

5.2.72 The Steeple Renewable Project is an approved solar photovoltaic and battery energy storage development located at Sturton-le-Steeple in Nottinghamshire. The project comprises ground-mounted solar arrays, battery energy storage infrastructure and associated grid connection works with a generating capacity of up to approximately 600 MW. The development is located adjacent to the former West Burton Power Station and would utilise existing transmission infrastructure in the area. The project is being promoted by RES Group.

5.2.73 The project overlaps with the Order Limits for the Project within Route Section E. There is potential for interaction between the projects in relation to solar panel arrays, construction and permanent access, temporary working areas, traffic management, and interfaces with existing and proposed transmission infrastructure.

5.2.74 The Steeple Renewables project emerged following completion of the Project's non-statutory consultation and was therefore not a consideration during earlier routeing

and siting stages of the Project. Since becoming aware of the project, the Applicant has engaged with the promoter of the project to identify physical interfaces and opportunities for coordination. This has included consideration of construction access arrangements, programme information sharing and cumulative environmental effects.

5.2.75 The design of the Project has taken account of the presence of the Steeple Renewables Project and has sought to minimise both temporary and permanent land take within the Steeple Renewables Project area where practicable.

5.2.76 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on local communities and the highway network.

5.2.77 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.78 Geographic Information System data has been shared to allow both projects to understand proposed routing and layout.

5.2.79 Indicative construction programme.

5.2.80 Preliminary Environmental Information as part of Statutory Consultation.

One Earth Solar Farm (DCO11) (354)

5.2.81 The One Earth Solar Farm project is an approved large-scale solar photovoltaic and battery energy storage development together with associated grid connection infrastructure. The One Earth Solar Farm project comprises the construction, operations, maintenance and decommissioning of a solar photovoltaic electricity generating facility and co-located battery energy storage system with a generating capacity exceeding 50MW. The development includes solar PV modules and mounting structures, substations, underground cabling, transformer, switchgear, access infrastructure, drainage works, storage containers and landscaping and bio-diversity enhancement measures. Together with temporary construction works. The One Earth Solar Farm project would connect into the National Electricity Transmission System at High Marnham and is being promoted by One Earth Solar Farm Limited.

5.2.82 The One Earth Solar Farm project is located within proximity to, and in places overlaps with the Order Limits of the Project within Route Section F. The interface between the projects includes potential interactions relating to construction access, temporary works areas and existing and proposed transmission infrastructure.

5.2.83 Since becoming aware of the project, the Applicant has engaged with the promoter of One Earth Solar Farm to identify physical interfaces and opportunities for coordination. This has included consideration of potential alternative corridors for routeing following a localised non-statutory consultation between July and August 2024. Since then, consideration has been given to construction access arrangements, programme information sharing interfaces with proposed transmission infrastructure and cumulative environmental effects between the two projects.

5.2.84 The design of the Project has taken account of the presence of One Earth Solar Farm in order to avoid or reduce the potential for conflicts between the projects and to minimise cumulative environmental and construction effects where practicable. This includes a construction phasing agreement to build the sections of the Project which are within One Earth Solar Farm project order limits in advance of solar panels being installed to minimise construction interactions.

5.2.85 At the time of writing, it is anticipated the construction of the One Earth solar farm may start at the end of 2026, hence there remains potential for overlap between elements of the construction programmes for the two projects, in particular with the Project's temporary works. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network. Protective provisions are also being discussed regarding solar panel placement within the vicinity of the overhead lines.

5.2.86 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.2.87 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.2.88 Interaction plans based on draft alignments, assumptions of the overhead indicative alignment and limit of deviation.

5.2.89 Design and programme information has been shared along with statutory consultation materials.

5.2.90 Sharing of ongoing/upcoming intrusive surveys in areas of interaction.

Interaction with Mitigation or Enhancement Measures

5.2.91 The ongoing engagement and information sharing between the project teams has enabled identification of an overlap between both projects' environmental mitigation proposals. The Project is proposing woodland mitigation planting in an area of land

currently approved for biodiversity net gain by the One Earth Solar Farm Promoter. This is currently being discussed between the two parties. The Project is sharing details of the mitigation planting proposed for One Earth Solar Farm Limited to review and provide feedback.

East Coast Hydrogen Humber Pipeline (DCO12) (749)

5.2.92 East Coast Hydrogen Humber Pipeline (ECHHP) is a proposed hydrogen transmission pipeline comprising the construction (including the repurposing of existing infrastructure) and operation of approximately 110km of underground high and intermediate pressure hydrogen pipeline between Saltend and Byram, Knottingley. The project is being promoted by Northern Gas Networks and is currently at the pre-application stage, with submission of a Development Consent Order application anticipated in November 2028.

5.2.93 The project crosses the Order Limits for the Project within Route Section A. As a result, there is potential for interaction between the projects in relation to construction activities, temporary works, access arrangements and interfaces with transmission infrastructure.

5.2.94 At the time of writing, the ECHHP project remains at an early stage of development, and no formal engagement has taken place between the Applicant and the project promoter.

5.2.95 At the time of writing, submission of the ECHHP DCO is anticipated in November 2028, with construction expected to commence from 2030 onwards. As the design and programme continue to evolve, the Applicant will seek to engage with the project promoter, where appropriate, to understand any potential interfaces and identify opportunities for coordination. Ongoing engagement, where required, will support the management of potential cumulative construction effects should concurrent construction activities arise.

5.2.96 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load movements and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Project Union: East Coast (DCO13) (748)

5.2.97 Project Union: East Coast is a proposed hydrogen transmission pipeline comprising the repurposing of existing pipelines and the construction of new pipeline infrastructure to form part of a core hydrogen transmission network for Great Britain. The project is being promoted by National Gas Transmission and is currently at the pre-application stage, with submission of a DCO application anticipated in December 2028.

5.2.98 The project overlaps with the Order Limits for the Project within Route Sections A, B, C and D. As a result, there is potential for interaction between the projects in relation

to construction activities, temporary works, access arrangements and interfaces with transmission infrastructure.

5.2.99 At the time of writing, Project Union: East Coast remains at an early stage of development, because of this no formal engagement has taken place between the Applicant and the project promoter.

5.2.100 At the time of writing, submission of the DCO is anticipated in December 2028, with construction expected to commence from 2030 onwards. Although the anticipated construction programme would largely follow that of the Project, there remains potential for overlap towards the latter stages of construction. As the design and programme continue to evolve, the Applicant will seek to engage with the project promoter, where appropriate, to understand any potential interfaces and identify opportunities for coordination. Ongoing engagement, where required, will support the management of potential cumulative construction effects should concurrent construction activities arise.

5.2.101 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load movements and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

H2East Pipeline: Humber to Nottinghamshire (DCO15) (733)

5.2.102 The H2East Pipeline is a proposed hydrogen transmission pipeline comprising the construction and operation of new underground hydrogen pipeline infrastructure. The project is currently at the pre-application stage.

5.2.103 The project overlaps with the Order Limits for the Project within Route Section F. As a result, there is potential for interaction between the project in relation to construction activities, temporary works, access arrangements, and interfaces between the proposed pipeline and transmission infrastructure.

5.2.104 At the time of writing, no formal engagement has taken place between the Applicant and the project promotor. As the project continues to develop, the Applicant will seek to engage with the project promotor, where appropriate, to understand any potential interfaces and identify opportunities for coordination.

5.2.105 There remains potential for overlap between elements of the construction programmes for the two projects, particularly towards the latter stages of construction of the Project. Ongoing engagement, where required, will support the management of potential cumulative construction effects and coordination of project activities.

5.2.106 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will

be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load movements and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

5.3 Non-NSIP Projects

5.3.1 The approach to this section is to select the projects from **Application Documents 6.21.A2 to 6.21.A13** with which the Project has a physical interface, and describe the interface, the design solutions and outcomes from engagement arising from the interface.

5.3.2 The ID numbers used in **Application Document 6.21 Environmental Statement Chapter 21 - Inter-project Cumulative Effects Appendix 21.2** and in Table 3.1 in this report have been used in the subtitles (see brackets) in this section to assist identification.

Birkhill Wood Substation (ERYC1) (677)

5.3.3 It is a consented new 400 kV gas-insulated substation located to the north of the existing Creyke Beck Substation in the East Riding of Yorkshire. The development forms part of the National Grid Electricity Transmission reinforcement works required to facilitate the connection of new electric generation projects, including offshore wind farms and interconnectors to the National Electricity Transmission System. The project includes associated overhead line realignment works, access infrastructure and temporary construction and was approved under the Town and Country Planning Act 1990 (TCPA) on 27 February 2026.

5.3.4 The Birkhill Wood Substation project and the Project form part of the same wider programme of network reinforcement works being promoted by National Grid. During the early stages of project development, it was determined that the substation works would be progressed separately under the TCPA, whilst the Project would be brought forward through the development consent order process.

5.3.5 The substation project intersects with the Order Limits for the Project at Route Section A, which also forms the northern extent and starting point of the linear route. The interface between the projects includes interactions relating to overhead line works, construction access, temporary works area and interfaces with existing and proposed transmission infrastructure within the wider Creyke Beck area.

5.3.6 As both projects are being promoted by National Grid Electricity Transmission, coordination between the projects has formed an integral part of the design and development process. This has included consideration of routing and siting, construction access arrangements, programme alignment and cumulative environmental effects.

5.3.7 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network.

5.3.8 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.9 The sharing of project information has formed an integral part of the design and development process. Information relating to programme, engineering design, access arrangements, construction methodology, environmental assessment, land requirements and construction sequencing has been developed and maintained collaboratively to support the coordinated delivery of both projects.

5.3.10 The Applicant has continued to ensure that information relevant to the interface between the projects is shared throughout the development process. This has enabled the design of each project to remain aligned, informed the assessment of cumulative environmental effects and supported the coordinated development of construction access, traffic management and programme assumptions.

Interaction with/Sharing of Mitigation Measures

5.3.11 The mitigation landscape proposals included in the Birkhill Wood Substation Project Planning Application do not currently interact with the Project. Should a change in the proposals occur and impact the Project, programme coordination between the two National Grid substation projects will be required to maximise efficiency in relation to the 30-year BNG requirement.

Creyke Beck Solar (ERYC2) (126, 329)

5.3.12 Creyke Beck Solar is a consented solar photovoltaic and battery storage energy storage development located in the vicinity of Creyke Beck Substation in the East Riding of Yorkshire. The project comprises solar generation arrays, battery storage infrastructure and associated electrical infrastructure including grid connection works. The development was granted planning approval on 6 January 2022. Amendments were made to the original planning application which were approved on 14 March 2023 and 11 September 2023.

5.3.13 The project is located within proximity to and in places overlaps with the Order Limits of the Project within Route section A and the wider Creyke Beck Area where multiple electricity infrastructure projects are being brought forward. The interface between the projects includes potential interactions relating to construction access, temporary works areas and interfaces with existing and proposed transmission infrastructure.

5.3.14 The Applicant has engaged with both the original promoter Albanwise Synergy Ltd and the current promoter Padero Solar Ltd (PS Renewables) throughout the development of the Project to identify physical interfaces and opportunities for coordination. This has included consideration of routeing and siting, compound

locations, construction access arrangements, programme information sharing and cumulative environmental effects. The parties have agreed to ongoing engagement and information sharing to minimise land sterilisation, manage construction impacts and ensure the long-term coexistence of both developments.

5.3.15 The design of the Project has taken account of the presence of the consented Creyke Beck Solar development in order to avoid or reduce the potential for conflicts between the projects and to minimise cumulative environmental and construction effects where practicable.

5.3.16 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network.

5.3.17 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.18 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.19 Design and programme information has been shared.

Keadby Windfarm (NLC1)

5.3.20 Keadby Windfarm is an operational onshore wind farm located near Keady in North Lincolnshire with an installed generating capacity of approximately 68 MW. The development comprises wind turbine generators and associated electrical and access infrastructure and is operated by SSE Renewables.

5.3.21 The project is located within proximity to the Order Limits for the Project with Route Sections B and C in the wider Keadby Area. The interface between the projects relates primarily to potential interactions with existing wind farm infrastructure, construction access arrangement and the management of cumulative effects during the construction phases of the Project. Discussions have taken place with the operator of the windfarm about the potential of using existing access tracks within the wind farm to aid construction access. This may reduce the extent of haul road required in the vicinity of the windfarm. At the time of writing, this remains under discussion, but communications remain positive for the Project to use existing access tracks.

5.3.22 The Applicant has taken account of the operational wind farm throughout the development of the Project, including during routeing and siting design and

environmental assessment activities. This has included consideration of infrastructure interfaces, access arrangements and cumulative environmental effects.

5.3.23 The design of the Project has sought to avoid or reduce potential conflicts with the operational wind farm infrastructure and to minimise cumulative environmental and operational effects where practicable by locating the proposed overhead line infrastructure away from the existing wind farm infrastructure.

5.3.24 As the Keadby Wind Farm is operational, no overlap in construction programmes is anticipated. However, ongoing engagement will continue as required throughout the detailed design and construction phases of the Project in order to manage interfaces and maintain appropriate access arrangements and operational safety requirements.

Key Project Data Shared

5.3.25 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.26 Design and programme information has been shared.

Pilfrey Solar (NLC2) (681)

5.3.27 It is a proposed solar photovoltaic generation development together with associated electrical infrastructure in the vicinity of the Keadby area in North Lincolnshire. The project is being promoted by Culham Renewables and includes solar PV arrays and associated grid connection infrastructure required to export electricity to the National Electricity Transmission System.

5.3.28 The project overlaps with the Order Limits of the Project within Route Section C. The interface between the projects includes potential interactions relating to construction access, temporary works areas and interfaces with existing and proposed electrical infrastructure.

5.3.29 The Applicant has engaged with the project promoter throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of construction access arrangements, programme information sharing and cumulative environmental effects.

5.3.30 The design of the Project has taken account of the presence of Pilfrey Solar in order to avoid or reduce the potential for conflicts between the projects and to minimise cumulative environmental and construction effects where practicable.

5.3.31 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network.

5.3.32 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction

programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.33 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.34 Design and programme information has been shared.

High Marnham Green Energy Park - HyMarnham Power (BDC1) (323, 334)

5.3.35 It is a consented low-carbon hydrogen production, storage and distribution facility located at the former High Marham coal-fired power station site in Nottinghamshire. The development comprises hydrogen production infrastructure, storage facilities, energy management systems and associated grid connection works to support the production and export of low-carbon hydrogen. The project is promoted by JG Pears Property Ltd and Siemens Energy Limited (Geopura) and was approved on 8 February 2024.

5.3.36 The project is located within proximity to the Order Limits of the Project within Route Section F in the High Marnham Area. The interface between the projects is limited to construction access and associated temporary works.

5.3.37 The Applicant has had some engagement with the project promoters during the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.3.38 The design of the Project has taken account of the presence of the High Marnham Green Energy Park in order to ensure compatibility between the projects and to minimise cumulative environmental and construction effects where practicable.

5.3.39 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Engagement would therefore take place through the pre-construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on local communities and the highway network.

5.3.40 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.41 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.42 Design and programme information has been shared.

Wood Lane Solar (BDC2) (281)

5.3.43 Wood Lane Solar Farm is a consented solar photovoltaic development located near Sturton-le-Steeple in Bassetlaw District, Nottinghamshire. The scheme comprises a ground-mounted solar array and associated infrastructure with an installed capacity of approximately 49.9 MW and was granted planning permission in August 2020 under the Town and Country Planning Act 1990. Wood Lane Solar Farm forms part of a broader cluster of renewable energy developments in the vicinity of the former West Burton Power Station and Sturton-le-Steeple area. However, it is a standalone, sub-50 MW consented scheme and is distinct from larger NSIP-scale proposals in the area.

5.3.44 The project was originally promoted by Elgin Energy EsCo. In January 2022, the project was transferred as part of a wider UK solar portfolio transaction to ScottishPower Renewables. It is understood that ScottishPower Renewables interest in the project has since lapsed, and all rights in the project have since returned to the Landowner, SNSE Limited and SNSED Limited.

5.3.45 The project does not overlap with the Order Limits for the Project but is located adjacent to the Project's Order Limits within Route Section E and forms part of a wider cluster of renewable energy developments.

5.3.46 The Applicant has taken account of the Wood Lane Solar development as part of the wider consideration of cumulative development within the region. Whilst no direct physical interface is anticipated, the project has informed assessment of cumulative environmental effects and the potential for indirect interactions, particularly in relation to construction traffic routes and network capacity.

5.3.47 As there is no spatial overlap between the projects, significant construction phase interaction is not anticipated. However, the Applicant will continue to consider the project within ongoing cumulative assessment updates and construction traffic planning where relevant.

5.3.48 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.49 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.50 Design and programme information has been shared.

American Farm Solar (BDC3) (737)

5.3.51 It is a proposed solar photovoltaic generation development together with associated electrical infrastructure in the vicinity of East Drayton in Nottinghamshire. The project is being promoted by High Marnham Renewables and includes solar PV arrays and associated grid connection infrastructure required to export electricity to the National Electricity Transmission System.

5.3.52 The project overlaps with the Order Limits of the Project within Route Section E. The interface between the projects includes potential interactions relating to construction access, temporary works areas and interfaces with existing and proposed electrical infrastructure. There are also pylons located within the American Farm Solar site.

5.3.53 The Applicant has engaged with the project promoter throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.3.54 The design of the Project has taken account of the presence of American Farm Solar in order to avoid or reduce the potential for conflicts between the projects and to minimise cumulative environmental and construction effects where practicable.

5.3.55 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network. It's also been agreed to continue to progress heads of terms relating to land rights including easements and/or wayleaves associated with towers, conductors and access to allow access in the future.

5.3.56 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.57 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.58 Design and programme information has been shared.

East Drayton 1 Solar (BDC4) (742)

5.3.59 It is a proposed solar photovoltaic generation development together with associated electrical infrastructure in the vicinity of East Drayton in Nottinghamshire. The project is being promoted by High Marnham Renewables and includes solar PV arrays and associated grid connection infrastructure required to export electricity to the National Electricity Transmission System.

5.3.60 The project overlaps with the Order Limits of the Project within Route Section E. The interface between the projects includes potential interactions relating to a cable which needs undergrounding, construction access, temporary works areas and interfaces with existing and proposed electrical infrastructure, there aren't presently any interactions with the overhead line or pylons.

5.3.61 The Applicant has engaged with the project promoter throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.3.62 The design of the Project has taken account of the presence of East Drayton 1 Solar in order to avoid or reduce the potential for conflicts between the projects and to minimise cumulative environmental and construction effects where practicable.

5.3.63 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. It has been agreed between the two projects that ongoing engagement will therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network. It has also been agreed to continue to progress heads of terms relating to land rights including easements and/or wayleaves associated with access to allow access in the future.

5.3.64 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.65 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.66 Design and programme information has been shared.

East Drayton 2 Solar (BDC4) (743)

5.3.67 It is a proposed solar photovoltaic generation development together with associated electrical infrastructure in the vicinity of East Drayton in Nottinghamshire. The project

is being promoted by High Marnham Renewables and includes solar PV arrays and associated grid connection infrastructure required to export electricity to the National Electricity Transmission System.

5.3.68 The project overlaps with the Order Limits of the Project within Route Section E. The interface between the projects includes potential interactions relating to construction access, temporary works areas and interfaces with existing and proposed electrical infrastructure. There are also pylons located within the East Dreyton 2 Solar site.

5.3.69 The Applicant has engaged with the project promoter throughout the development of the Project in order to identify physical interfaces and opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.3.70 The design of the Project has taken account of the presence of East Dreyton 2 in order to avoid or reduce the potential for conflicts between the projects and to minimise cumulative environmental and construction effects where practicable.

5.3.71 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network. It has also been agreed to continue to progress heads of terms relating to land rights including easements and/or wayleaves associated with towers, conductors and access to allow access in the future.

5.3.72 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.73 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.74 Design and programme information has been shared.

Bumble Bee Solar (BDC6)

5.3.75 Bumble Bee Solar is a consented solar photovoltaic and battery energy storage development together the associated infrastructure. The project comprises ground-mounted solar PV arrays, battery storage infrastructure, substations, access tracks, cabling and associated landscaping and ecological enhancement works. The development was originally promoted by Enso Energy with planning permission approved by Bassetlaw District Council on 14 July 2022. Construction is anticipated to commence in Spring 2026 with completion anticipated in Summer 2027. Following

consent, the project has been taken forward through a joint venture between Enso Energy and Cero Generation.

5.3.76 The project is located within proximity to the Order Limits for the Project within Route Section E. The interface between the project includes potential interactions relating to construction traffic, access arrangements and cumulative construction activity associated with energy infrastructure development in the area.

5.3.77 The Applicant has taken account of the Bumble Bee Solar project throughout the development of the Project in order to identify potential interfaces and opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects.

5.3.78 The design of the Project has taken account of the presence of Bumble Bee Solar in order to minimise cumulative environmental and construction effects where practicable

5.3.79 Based on the currently anticipated programme, it is likely that construction of Bumble Bee Solar would be substantially complete prior to the commencement of the main construction phase of the Project. As such, no overlap in construction activities is anticipated. However, the Applicant will continue to monitor programme updates and maintain engagement where necessary in order to manage any potential interfaces and cumulative effects.

5.3.80 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.81 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.82 Design and programme information has been shared.

High Marnham Solar (BDC7) (289)

5.3.83 A consented solar photovoltaic development located on land adjoining the former High Marnham Power Station in Nottinghamshire. The project comprises ground-mounted solar PV arrays and associated electrical infrastructure, including inverters, substations, access tracks, fencing and landscaping. The development is promoted by JG Pears Property Ltd and was approved on 5 January 2023.

5.3.84 The project is located within proximity to and overlaps with the Order Limits for the Project within Route Section F in the High Marnham area. The interface between the projects includes significant overlaps and interactions relating to construction access,

temporary works area and interfaces with existing and proposed electrical infrastructure within the former power station site. The extent of the overlap is such that if both projects were implemented as currently consented/proposed, it would give rise to a significant physical conflict. However, the Applicant and the project promoter are actively engaged in discussions regarding the acquisition of the affected land, which, if completed, would remove the principal interface between the projects. At the time of writing, terms have been agreed for this acquisition, and it is expected to complete prior to the Projects DCO submission removing and preventing the conflict.

5.3.85 The Applicant has engaged with the project promoter throughout the development of the Project to understand the physical interfaces and identify opportunities for coordination. This has included consideration of routeing and siting, construction access arrangements, programme information sharing and cumulative environmental effects. National Grid is progressing the acquisition of land associated with the proposed High Marnham Substation, including land currently identified for the JG Pears High Marnham Solar development. The parties will continue to engage as necessary whilst the acquisition process progresses.

Key Project Data Shared

5.3.86 Geographic Information System data has been shared to allow both projects to understand proposed routing and project layout.

5.3.87 Design and programme information has been shared.

High Marnham Substation (BDC8) (719)

5.3.88 The High Marnham Substation is a proposed 400 kV air-insulated electrical substation and associated infrastructure located at High Marnham in Nottinghamshire. The development forms part of National Grid Electricity Transmission reinforcement works required to facilitate the transfer of electricity across the transmission network and support the connection of new generation infrastructure.

5.3.89 The project and the Project form part of the same wider programme of network reinforcement work being promoted by National Grid Electricity Transmission. During the early stages of project development, it was determined that the substation works would be progressed separately under the TCPA, whilst the Project would be brought forward through the development consent order process.

5.3.90 The project intersects with the Order Limits for the Project at Route Section F, which forms the southern extent and termination point of the linear toute. The interface between the projects includes interactions relating to overhead line works, construction access, temporary works areas and interfaces within existing and proposed transmission infrastructure within the wider High Marnham area.

5.3.91 As both projects are being promoted by National Grid, coordination between the projects has formed an integral part of the design and development process. This has included consideration of routeing and siting, construction access arrangements, programme alignment and cumulative environmental effects.

5.3.92 The design of the Project has taken account of the proposed High Marnham Substation project in order to ensure compatibility between the projects and to minimise cumulative environmental and construction effects where practicable.

5.3.93 At the time of writing, there remains potential for overlap between elements of the construction programmes for the two projects. Ongoing engagement would therefore continue throughout the pre-construction and construction phases in order to coordinate delivery activities, manage interfaces and identify opportunities to reduce cumulative impacts on landowners, local communities and the highway network.

5.3.94 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), together with ongoing engagement between the respective project teams, where appropriate. Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

Key Project Data Shared

5.3.95 As the projects were originally developed as a single project, the sharing of project information has formed an integral part of the design and development process. Information relating to programme, engineering design, access arrangements, construction methodology, environmental assessment, land requirements and construction sequencing has been developed and maintained collaboratively to support the coordinated delivery of both projects.

5.3.96 The Applicant has continued to ensure that information relevant to the interface between the projects is shared throughout the development process. This has enabled the design of each project to remain aligned, informed the assessment of cumulative environmental effects and supported the coordinated development of construction access, traffic management and programme assumptions.

Interaction with/Sharing of Mitigation Measures

5.3.97 The mitigation landscape proposals included in the High Marnham Substation Project planning application overlap with the temporary construction areas and permanent infrastructure of the Project. Programme coordination between the National Grid projects will be required to maximise efficiency in relation to the 30-year Biodiversity Net Gain (BNG) requirement.

Crabtree Lane Solar BESS (BDC9) (500)

5.3.98 Crabtree Lane Solar BESS is a consented battery energy storage development located within Bassetlaw District Council. The project comprises a battery energy storage system (BESS), substation and associated infrastructure designed to support electricity network balancing and energy storage. The development is being promoted by Enso Energy and was granted planning permission on 27 June 2025. The project is intended to connect into the electricity transmission network at the proposed High Marnham Substation.

5.3.99 The project adjoins the Order Limits for the Project at the southern extent within the High Marnham area. The interface between the projects includes potential

interactions relating to construction access arrangements, construction vehicle movements and interfaces with proposed transmission infrastructure.

5.3.100 The Applicant has engaged with the promoter of Crabtree Lane Solar BESS through National Grid's Customer Connections and Lands teams to understand the proposed development and identify potential physical interfaces. Discussions have primarily focused on the proposed grid connection, construction access arrangements and potential cumulative environmental effects.

5.3.101 At the time of writing, there is no physical overlap of the Order Limits for the two projects. Confirmation of the proposed southern cable connection route to High Marnham Substation is anticipated to substantially reduce the potential interfaces between the projects. Some interaction may remain in relation to construction access arrangements and construction vehicle movements. The Applicant will continue to monitor the project and engage with the promoter, where appropriate, to coordinate activities and manage any remaining interfaces.

5.3.102 Where concurrent construction activities are anticipated, coordination will be facilitated through the implementation of **Application Document 7.4 Outline Construction Traffic Management Plan** (OCTMP), Prior to the commencement of construction, a Construction Traffic Management Plan (CTMP) will be prepared by the Main Works Contractor substantially in accordance with the OCTMP. The CTMP will set out the detailed construction traffic management measures, including construction traffic routeing, access arrangements, construction programming, abnormal load, movement and other logistic activities, as appropriate, to manage project interfaces and minimise effects on the local highway network and surrounding communities.

6. Consideration of Good Design with Other Projects

6.1 Overview of the Good Design Process

6.1.1 Good design of electricity transmission infrastructure is guided by the Holford Rules and the Horlock Rules and delivered through an iterative, evidence-based design process informed by stakeholder engagement, relevant NPSs and embedded environmental mitigation identified through the EIA. These design principles are integrated with the technical, regulatory, operational, safety and security requirements that apply to new transmission infrastructure.

6.1.2 The Project's design review has been iterative throughout, shaped by extensive stakeholder engagement and the EIA process. Full details of this engagement are set out in the **Application Document 5.1 Consultation Report**. The Design Approach Document (**Application Document 5.10 Design Approach Document**) and the Design Development Report(s) **Application Document 5.9 Design Development Report and Application Document 7.20 Design Development Report - 2025** outline the Applicant's design approach and documents the changes made throughout the development of the Project.

6.1.3 Effective interface management is also essential where multiple NSIPs are being developed within the same geographic area and involve shared or interdependent infrastructure. Coordinated design development and cooperation help avoid conflict, ensure compatibility between projects, and secure a coherent approach to design.

6.2 Good Design Relating to Other Infrastructure Projects

6.2.1 Significant collaborative engagement has taken place between the Project and other infrastructure projects to support coordinated and environmentally responsive design solutions. In developing the Project, the Applicant has considered the design and development of other infrastructure projects where these have the potential to interact with the Project. This has included consideration of the location and configuration of infrastructure, construction and permanent access arrangements, construction sequencing, interfaces with existing and proposed transmission infrastructure, and the potential for cumulative environmental and construction effects.

6.2.2 Where practicable, this consideration has informed the design and development of the Project by seeking to:

- Route the overhead line and other permanent and temporary Project elements to avoid or minimise physical conflicts and unnecessary land take between projects;
- Maintain appropriate separation and compatibility between the Project and other infrastructure;
- Coordinate the location and design of infrastructure at physical interfaces with other projects, including crossings and connections;

- Allow flexibility for the design and development of other projects where their proposals remain at an earlier stage;
- Identify opportunities to use existing or shared access infrastructure and minimise the need for additional temporary or permanent infrastructure and land take.
- Coordinate construction sequencing, programme requirements and logistics to reduce the potential for conflicting activities or abortive works with the aim of minimising cumulate environmental, traffic and construction effects on landowners, local communities and the highway network;
- Facilitate the safe construction, operation, maintenance and access requirements of the Project and other projects; and
- Establish appropriate land rights and arrangements, including easements, wayleaves, crossing agreements and protective provisions where required.

6.2.3 The consideration of individual projects and the resulting design and coordination measures are set out in section 5 of this report. The extent to which other projects have informed the design has varied according to their stage of development, level of design certainty and the nature of the interface with the Project.

6.3 Consideration of Committed Development

6.3.1 The Applicant has provided commentary to each relevant infrastructure project, including non NSIPs explaining how interactions will be managed to ensure that both the Project and other developments can proceed. As set out within the **Application Document 5.9 Design Development Report**, approved and pending planning applications, other DCOs, and allocated development (emerging or adopted in local plans) have been considered where they have potential interaction with the Project. This approach reflects the principles of good design which include ensuring coordinated development, minimising cumulative impacts and promoting compatibility between neighbouring land uses and infrastructure.

6.4 Good Design Evolution

6.4.1 Good design will continue to be secured throughout the delivery and construction stages through close ongoing collaboration between the Applicant and other major infrastructure projects. This will be supported by structured interface management processes included in cooperative agreements or similar and where necessary, ensuring that responsibilities and design interfaces and coordination requirements are clearly defined as the Project progresses.

6.4.2 The Applicant will retain overall responsibility for ensuring that interface management arrangements are implemented effectively by the Main Works Contractor(s) including ensuring that responsibilities, design interfaces, access requirements, construction sequencing and mitigation measures are clearly defined and coordinated as the Project progresses through detailed design and construction. This approach will support the continued application of good design principles, minimise the risk of conflict between concurrent activities and facilitate coordinated delivery alongside other projects.

7. Projects Reliant on Construction of the Project

7.1 The Projects Need Case

7.1.1 With growing renewables integration into the National Electricity Transmission System, such as offshore wind and interconnectors1, an anticipated tripling of wind generation connected across the Scottish networks by 2030 and the government's increased ambition to connect 50 GW of offshore wind by 2030, north–south power flows are set to increase.

7.1.2 The existing electricity transmission network in the Yorkshire and Humber region was initially developed in the 1960s and has historically been able to meet demand. It was designed to connect the in-land large coal fired power stations in the region, with changes occurring in the later parts of the century in order to connect gas fired power stations and offshore wind.

7.1.3 However, due to the changes noted above in terms of delivering net zero emissions, the existing network in this area does not have the capability to reliably and securely transport all the energy that will be connected by 2030, whilst operating to the standards it is required to.

7.1.4 The existing transmission infrastructure in this area requires reinforcement for the following main reasons:

- The existing transmission network was not designed to transport electricity from where it is increasingly being generated (largely offshore).
- The growth in offshore wind, interconnectors and onshore generation such as battery and solar means that more electricity will be generated in the years ahead than the current network is able to securely and reliably transport.
- In the UK, electricity demand is forecasted to at least double by 2050, increasing the amount of energy we need to transport to homes and businesses.
- Upgrading the existing network as it is today (such as through replacing cables to carry more power) will not be enough to carry the amount of future power whilst operating to required standards.
- The need to increase boundary transfer capability in order to reduce wider network generator constraint costs.

7.1.5 The Project would support the UK's net zero target by reinforcing the electricity transmission network between the North of England and the Midlands and facilitate the connection of planned renewable energy projects such as offshore wind generation and interconnectors and increase boundary transfer capability. The Project would help meet future energy requirements.

[1] Interconnectors are high voltage cables that are often used to connect the electricity systems of neighbouring countries.

7.1.6 The projects relevant to the need for the Project comprise a range of electricity generation and transmission developments, including offshore wind farms, onshore renewable energy and energy storage developments, and associated transmission infrastructure. These projects are at different stages of development, and their connection requirements and delivery programmes continue to evolve. A comprehensive and up-to-date list of the relevant existing and proposed developments is provided in Table 3.1 of **Application Document 7.17 Strategic Options Report Including Needs Case (SOR)**. The SOR is therefore relied upon as the appropriate reference for the projects relevant to the need for the Project.

7.1.7 For further information on the need for the Project and the developments requiring or benefiting from the associated network reinforcement, please refer to the 'Needs Case' section contained with **Application Document 7.17 Strategic Options Report Including Needs Case.**

8. Provisions in Development Consent Orders

8.1 Provisions in the Project's Draft DCO

8.1.1 This section provides a summary of any provisions within **Application Document 3.1 Draft Development Consent Order** for the Project which includes reference to other NSIPs. The Applicant does not currently anticipate including any further drafting within the draft DCO beyond what is set out below in order to address the interrelationship between the Project and other third-party developments.

8.1.2 Whilst not NSIPs, there are numerous references to the associated NGET Birkhill Wood Substation and NGET High Marnham Substations which are located at either end of the NHHM route.

8.1.3 The Applicant anticipates that protective provisions and other appropriate mechanisms may be required in relation to certain third-party projects with which the Project has identified physical or operational interfaces. The detail of any such protective provisions will be developed as the relevant projects progress and engagement continues and will be reflected in **Application Document 3.1 Draft Development Consent Order** where appropriate.

8.1.4 There are currently no articles or bespoke requirements within **Application Document 3.1 Draft Development Consent Order** which specifically relate to the delivery or coordination of other third-party projects.

8.2 Provisions in Other Projects' DCOs

8.2.1 This section provides a summary of provisions which include references to the Project that are within consented DCOs of other listed NSIPs.

8.2.2 It is common for DCOs to contain protective provisions for National Grid or NGET but in more cases, these are due to National Grid's existing apparatus. Such protective provisions and other provisions relating to National Grid are generally not considered in detail here.

8.2.3 Section 5.2.22 of **Application Document 5.1 Consultation Report** confirms that the Project launched publicly on 1 June 2023. Therefore, it is not feasible that provisions referring to the Project would appear in DCOs promoted by other project developers where a DCO was granted development consent or even where the examination had closed prior to June 2023. This situation relates to the DCO listed below, which are not considered further in this section. Whilst the DCO contains protective provisions for NGET, these relate to National Grid apparatus generally and not to the Project:

- Keadby 3 (EN010114) – consent granted 7 December 2022

8.2.4 The following DCOs contain protective provisions for National Grid / NGET, but make no reference to the Project:

- Tillbridge Solar EN010142 - consent granted 14 October 2025. Cottam Power Station is referenced in this project's DCO.
- Hornsea Four Offshore Wind Farm – consent granted 12 July 2023. Work No. 8 connection works consisting of up to four underground cable circuits and electrical ducts between work No. 7 and Creyke Back National Grid Substation along with protective provisions are included in the DCO.
- Keadby Next Generation Power Station (within the draft DCO, the project is not yet consented).
- Steeple Renewables (within the DCO).

8.2.5 The following DCOs make reference to the Project and or one of the associated substations, Birkhill Wood or High Marnham:

Dogger Bank South

8.2.6 Dogger Bank South East and West Offshore Wind Farms – consent granted 14 May 2026.

8.2.7 This DCO references North Humber to High Marnham and Part 7 notes "North Humber to High Marnham Project" means the proposed new high voltage electricity transmission line and associated works between a new substation at Creyke Beck in the East Riding of Yorkshire and a new substation at High Marnham in Nottinghamshire to be undertaken by National Grid Electricity Transmission Plc.

8.2.8 The DCO includes Protective Provisions (80, 82 87, 88, 91 and 96) which require the project to avoid any conflict arising between the construction, maintenance and operations of NHHM and the Wanlass Back and/or Birkhill Wood project.

One Earth Solar Farm

8.2.9 The One Earth Solar Farm DCO makes reference to the High Marnham Substation under Schedule 1 and work No.4 – 'works to lay high voltage electrical cables and to facilitate the connection of the authorised development to the National Grid High Marnham Substation and access for the electrical cables, including—

- (a) works to lay up to 400 kilovolt electrical cables connecting Work No. 3 into the National Grid High Marnham Substation;
- (b) laying down of temporary construction areas and internal access tracks, ramps, means of access, footways, including the laying and construction of drainage infrastructure, signage and information boards; and
- (c) electrical engineering works in and around the National Grid High Marnham Substation.'

8.2.10 It also makes reference to the National Grid High Marnham Substation within Schedule 8 – Land in which only new rights etc. may be acquired.

9. Changes to the Environmental Statement

9.1.1 Table 3.1 presented in Section 3 has drawn upon **Application Document 6.21 Inter-Project Cumulative Effects**. A cut-off date of 1 May 2026 was used to confirm the cumulative scheme list to allow sufficient time for the inter-project cumulative effects assessment to be undertaken. There were two exceptions to this, two additional DCOs were added, the East Cost Hydrogen Humber Pipeline and Project Union East Coast, which were added between this date and submission. The Applicant will continue to undertake regular reviews of planning registers, including during the examination period, to determine whether there are any new relevant developments. Where this review identifies the potential for new or different significant effects or changes to the conclusions present in the Environmental Statement, the Applicant will submit updates into the examination.

Abbreviations

Term	Definition

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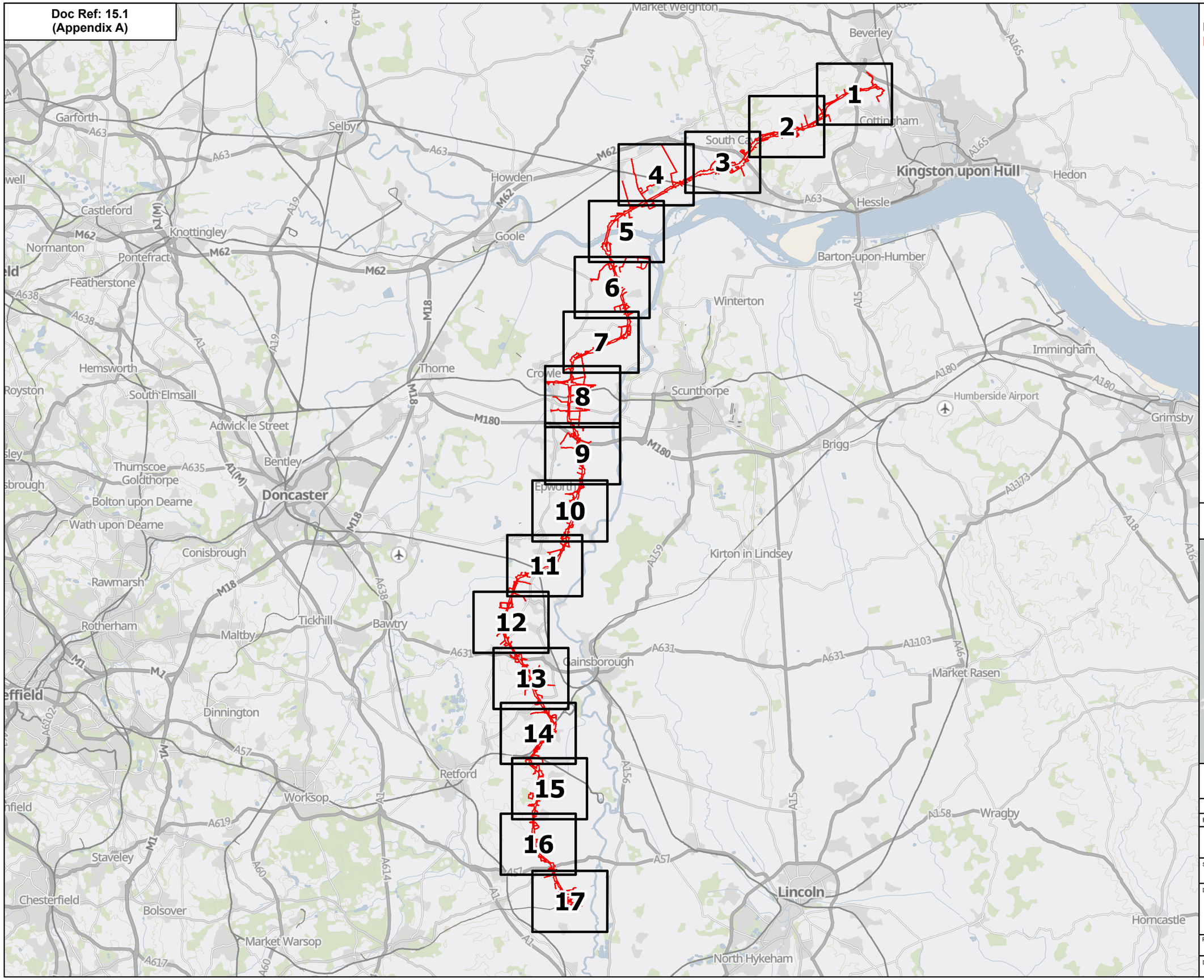
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Appendix A Plans showing the Order Limits of The Project and Other Projects for Coordination

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(Appendix A)



Legend

- Plan Sheets
- Order Limits

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A	OCT 2026	FOR DCO SUBMISSION	RD	TF	JD

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Scheme:
NORTH HUMBER TO HIGH MARNHAM

Document Title:
FIGURE 5.11 - REPORT ON INTERRELATIONSHIPS WITH OTHER INFRASTRUCTURE PROJECTS - FIGURES SHOWING THE ORDER LIMITS OF NORTH HUMBER TO HIGH MARNHAM AND OTHER LISTED INFRASTRUCTURE PROJECTS KEY PLAN

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(Appendix A)

Proposed Birkhill Wood Substation

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4AF5
4AF9
4AF12
4AF16
4AF19
4ZQ99
4ZQ100
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4ZQ111
4ZQ112
4ZQ113

FOR CONTINUATION SEE SHEET 2

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- Order Limits

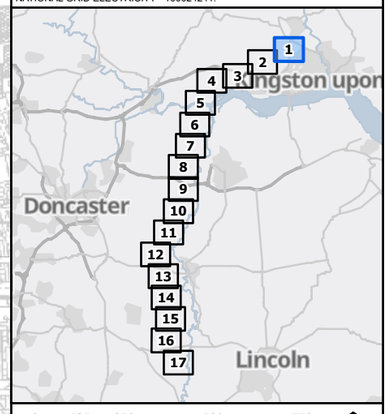
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- Indicative New Gantry
- Existing Lattice Pylon Not Affected
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- Birkhill Wood Substation Boundary
- Proposed Birkhill Wood Substation
- Dogger Bank South (NSIP)
- Dogger Bank D (NSIP)
- Hornsea Four Offshore Windfarm (NSIP)
- Peartree Hill Solar Farm(NSIP)
- Clean Air Solar Farm (NSIP)
- Project Union: East Coast (NSIP)
- East Coast Hydrogen Humber Pipeline (NSIP)
- Creyke Beck Solar Farm
- A164 Jocks Lodge Road Improvement

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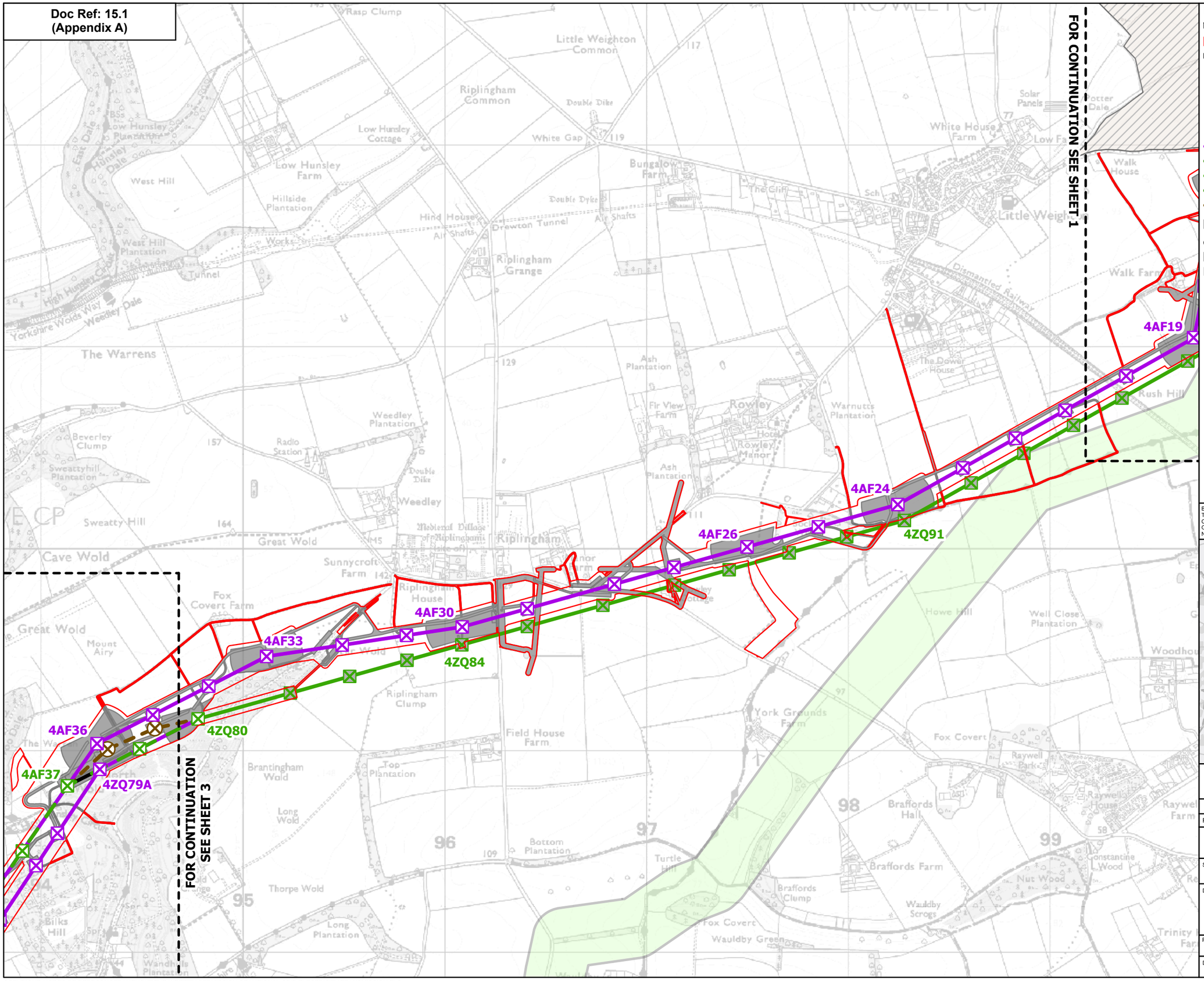
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FIGURE 5.11 - REPORT ON INTERRELATIONSHIPS WITH OTHER INFRASTRUCTURE PROJECTS - FIGURES SHOWING THE ORDER LIMITS OF NORTH HUMBER TO HIGH MARNHAM AND OTHER LISTED INFRASTRUCTURE PROJECTS PLAN SERIES

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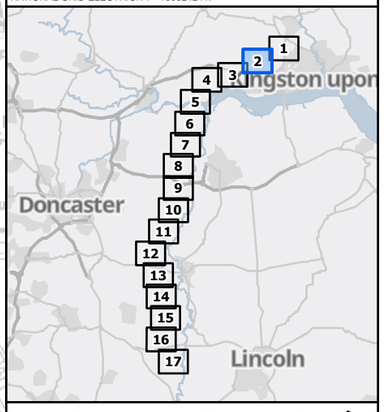
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- Indicative Temporary Structure
- Indicative New Overhead Line
- Existing Overhead Line To Be Reconductored
- Existing Overhead Line Not Affected
- Existing Overhead Line To Be Dismantled
- Indicative Temporary Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- Clean Air Solar Farm (NSIP)
- East Coast Hydrogen Humber Pipeline (NSIP)

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FOR CONTINUATION SEE SHEET 4

FOR CONTINUATION SEE SHEET 2

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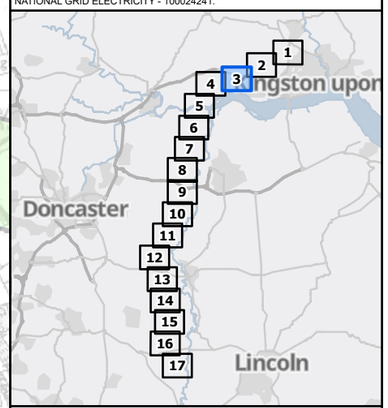
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- Existing Overhead Line Not Affected
- Existing Overhead Line To Be Dismantled
- Indicative Temporary Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- East Coast Hydrogen Humber Pipeline (NSIP)

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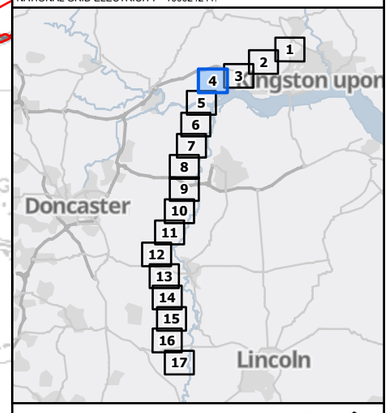
Proposed Project Design Details

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- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- East Coast Hydrogen Humber Pipeline (NSIP)

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FOR CONTINUATION
SEE SHEET 4

4AF67
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4AF80

SECTION A
SECTION B

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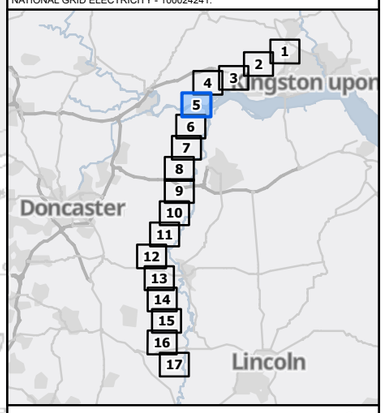
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- Sheet Index Cutlines
- Order Limits
- Route Section Boundary

Proposed Project Design Details

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- Existing Lattice Pylon Not Affected
- Indicative New Overhead Line
- Existing Overhead Line Not Affected
- Other Temporary and Permanent Construction and Operational Works

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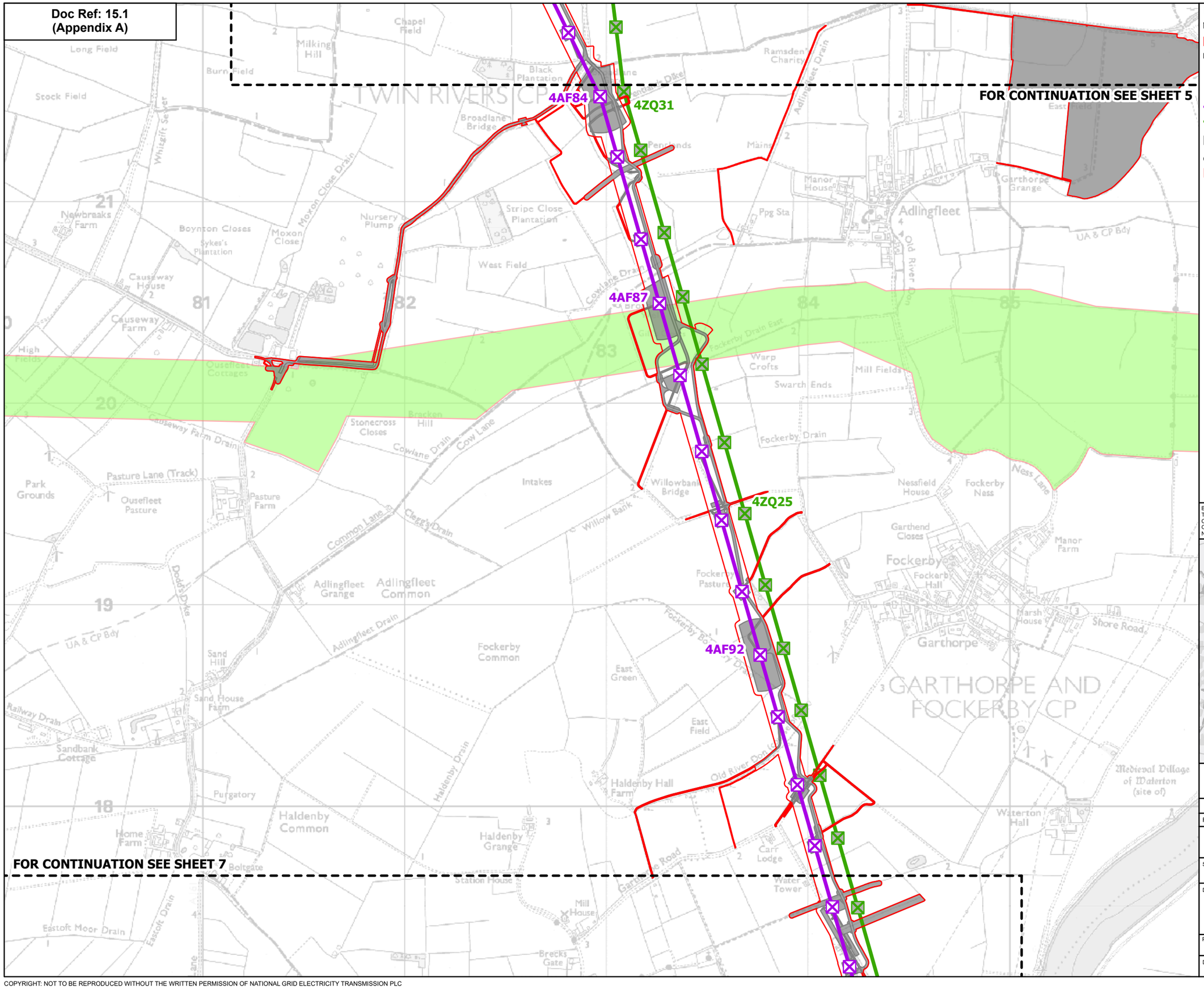
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4AF84
4ZQ31
4AF87
4ZQ25
4AF92
FOR CONTINUATION SEE SHEET 5
FOR CONTINUATION SEE SHEET 7
TWIN RIVERS CP
GARTHORPE AND FOCKERBY CP
Adlingfleet
Fockerby
Garthorpe
Haldenby Hall Farm
Haldenby Common
Fockerby Common
Adlingfleet Common
Adlingfleet Grange
Garthorpe Grange
Haldenby Grange
Ousefleet Pasture
Ousefleet Cottages
Newbreaks Farm
Causeway House
Causeway Farm
Sand House Farm
Sandbank Cottage
Home Farm
Boltgate
Station House
Mill House
Brecks Gate
Carr Lodge
Water Tower
Nessfield House
Fockerby Ness
Garthend Closes
Manor Farm
Marsh House
Shore Road
Waterton Hall
Medieval Village of Waterton (site of)
Willowbank Bridge
Broadlane Bridge
Pasture Farm
Sand Hill
Sykes's Plantation
Boynton Closes
Stonecross Closes
Bracken Hill
Cow Lane
Common Lane
Ness Lane
Mill Fields
Swarch Ends
Warp Crofts
Penglands
Manor House
Ppg Sta
Old River Don
Fockerby Drain East
Fockerby Drain
Adlingfleet Drain
Cowlane Drain
Moxon Close Drain
Moxon Close
Whitgift Sewer
Haldenby Drain
Clegg's Drain
Dodds Dyke
Eastoft Moor Drain
Railway Drain
Causeway Farm Drain
Willow Bank
Fockerby Pasture
Fockerby Hall
Garthorpe Road
Doncaster
Lincoln
Kingston upon
UA & CP Bdy
Long Field
Stock Field
Burn Field
Milking Hill
Chapel Field
Black Plantation
Stripe Close Plantation
Nursery Plump
West Field
East Field
East Green
Intakes
Park Grounds
Pasture Lane (Track)
Purgatory
High Fields
Ramsden Charity
Adlingfleet Drain
Fockerby Boundary Drain
Old River Don
Haldenby Drain
Eastoft Drain
Railway Drain
Sandbank Cottage
Dodds Dyke
Clegg's Drain
Willow Bank
Common Lane
Ness Lane
Shore Road
Garthorpe Road
Fockerby Pasture
Fockerby Hall
Garthend Closes
Manor Farm
Marsh House
Nessfield House
Fockerby Ness
Waterton Hall
Medieval Village of Waterton (site of)
Carr Lodge
Water Tower
Mill House
Brecks Gate
Station House
Haldenby Grange
Haldenby Hall Farm
Haldenby Common
Fockerby Common
Adlingfleet Common
Adlingfleet Grange
Garthorpe Grange
Ousefleet Pasture
Ousefleet Cottages
Newbreaks Farm
Causeway House
Causeway Farm
Sand House Farm
Sandbank Cottage
Home Farm
Boltgate
Station House
Mill House
Brecks Gate
Carr Lodge
Water Tower
Nessfield House
Fockerby Ness
Garthend Closes
Manor Farm
Marsh House
Shore Road
Waterton Hall
Medieval Village of Waterton (site of)
Willowbank Bridge
Broadlane Bridge
Pasture Farm
Sand Hill
Sykes's Plantation
Boynton Closes
Stonecross Closes
Bracken Hill
Cow Lane
Common Lane
Ness Lane
Mill Fields
Swarch Ends
Warp Crofts
Penglands
Manor House
Ppg Sta
Old River Don
Fockerby Drain East
Fockerby Drain
Adlingfleet Drain
Cowlane Drain
Moxon Close Drain
Moxon Close
Whitgift Sewer
Haldenby Drain
Clegg's Drain
Dodds Dyke
Eastoft Moor Drain
Railway Drain
Causeway Farm Drain
Willow Bank
Fockerby Pasture
Fockerby Hall
Garthorpe Road
Doncaster
Lincoln
Kingston upon
UA & CP Bdy
Long Field
Stock Field
Burn Field
Milking Hill
Chapel Field
Black Plantation
Stripe Close Plantation
Nursery Plump
West Field
East Field
East Green
Intakes
Park Grounds
Pasture Lane (Track)
Purgatory
High Fields
Ramsden Charity
Adlingfleet Drain
Fockerby Boundary Drain
Old River Don
Haldenby Drain
Eastoft Moor

Doc Ref: 15.1
(Appendix A)

FOR CONTINUATION SEE SHEET 6

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4ZQ17
4AF101
4AF104
4AF109
4AF114
4ZQ10

KEADBY WINDFARM

FOR CONTINUATION SEE SHEET 8

SECTION B
SECTION C

Legend

- Sheet Index Cutlines
- Order Limits
- Route Section Boundary

Proposed Project Design Details

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- Existing Overhead Line Not Affected
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- Project Union: East Coast (NSIP)
- Pilfrey Solar Farm
- Humber Carbon Capture Pipeline (NSIP)

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Doncaster
Lincoln

0 125 250 500 750
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NORTH HUMBER TO HIGH MARNHAM

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SECTION B
SECTION C

FOR CONTINUATION SEE SHEET 7

ZDA113
ZDA116
ZDA119B
ZDA120C
ZDA120A
ZDA120B
ZDA123
ZDA127
ZDA127A
4ZQ1
4ZQ1A
4ZQ2
4ZQ3
4ZQ4
4AF124
4AF128

SECTION C
SECTION D

FOR CONTINUATION SEE SHEET 9

SECTION C
SECTION D

Legend

- Sheet Index Cutlines
- Order Limits
- Route Section Boundary

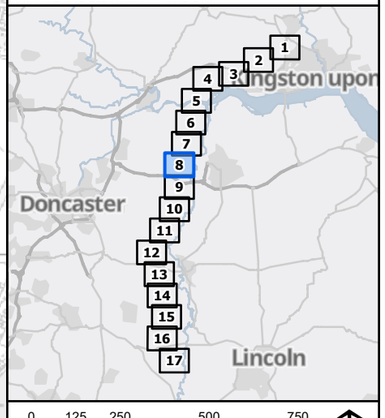
Proposed Project Design Details

- Indicative New Lattice Pylon
- Existing Lattice Pylon Not Affected
- Existing Gantry Not Affected
- Existing Lattice Pylon To Be Modified
- Existing Lattice Pylon To Be Dismantled
- Indicative Temporary Structure
- Indicative New Overhead Line
- Existing Overhead Line To Be Reconductored
- Existing Overhead Line Not Affected
- Existing Overhead Line To Be Dismantled
- Indicative Temporary Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- Project Union: East Coast (NSIP)
- Keadby 3 Carbon Capture Power Station (NSIP)
- Keadby Next Generation Power Station Project
- Pilfrey Solar Farm
- Humber Carbon Capture Pipeline (NSIP)

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Document Title:
FIGURE 5.11 - REPORT ON INTERRELATIONSHIPS WITH OTHER INFRASTRUCTURE PROJECTS - FIGURES SHOWING THE ORDER LIMITS OF NORTH HUMBER TO HIGH MARNHAM AND OTHER LISTED INFRASTRUCTURE PROJECTS PLAN SERIES

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SECTION C
SECTION D

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4AF132

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FOR CONTINUATION SEE SHEET 10

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- Sheet Index Cutlines
- Order Limits
- Route Section Boundary

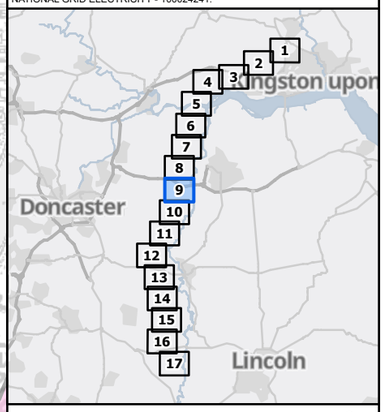
Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- Project Union: East Coast (NSIP)

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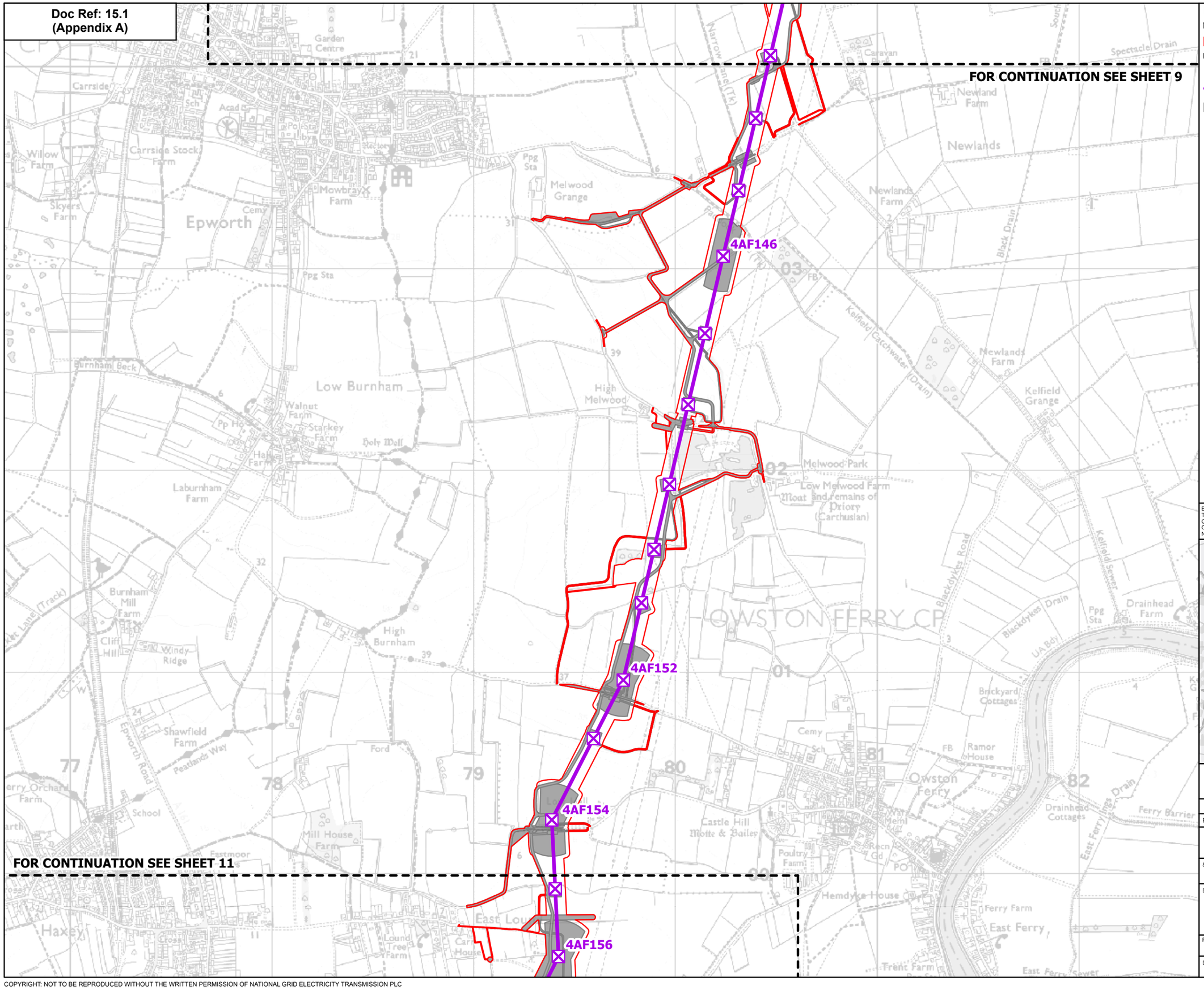
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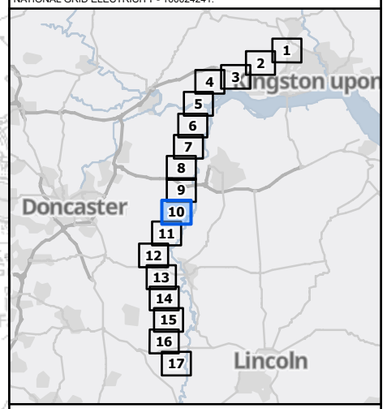
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- Sheet Index Cutlines
- Order Limits

Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

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FOR CONTINUATION SEE SHEET 10

4AF156

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SECTION D
SECTION E

FOR CONTINUATION SEE SHEET 12

SECTION D
SECTION E

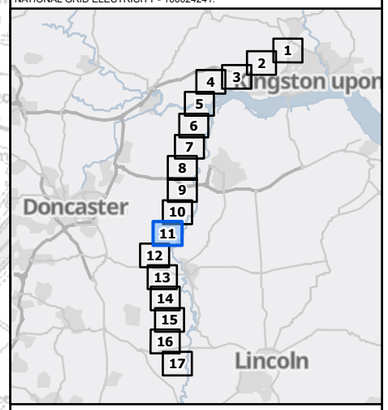
Legend

- Sheet Index Cutlines
- Order Limits
- Route Section Boundary

Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

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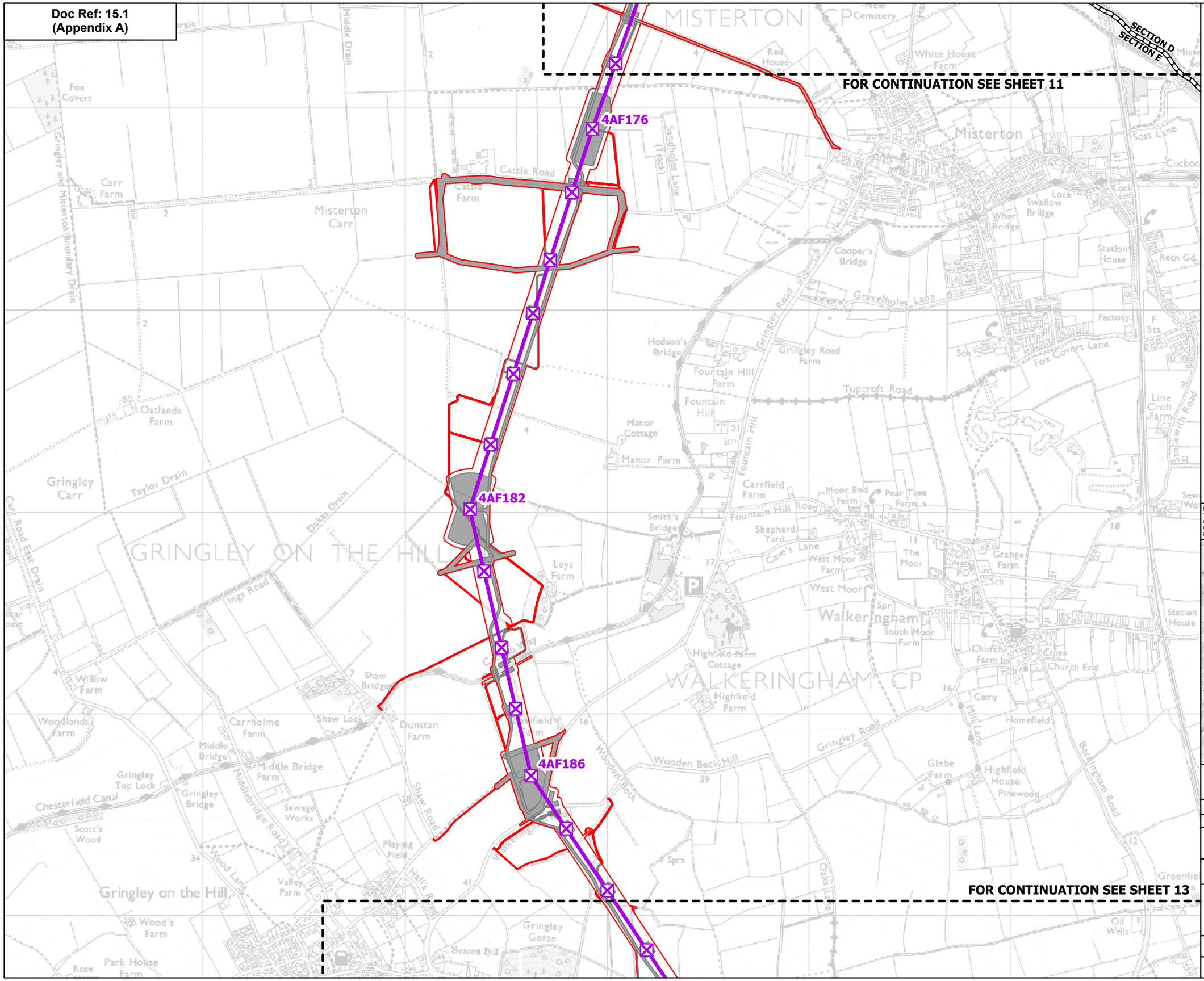
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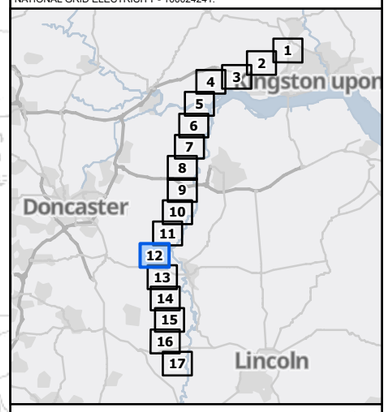
Legend

- Sheet Index Cutlines
- Order Limits
- Route Section Boundary

Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

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FOR CONTINUATION SEE SHEET 14

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Legend

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- Order Limits

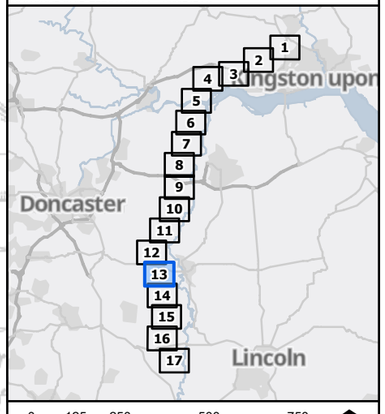
Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- STEP Fusion (NSIP)
- Bumble Bee Solar Farm

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FOR CONTINUATION SEE SHEET 15

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Legend

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- Order Limits

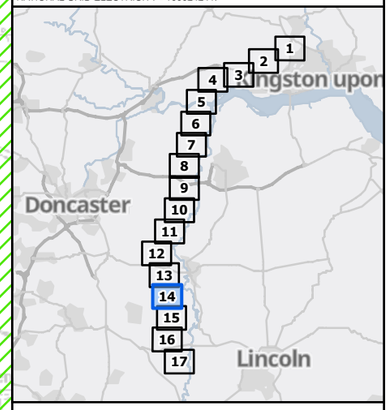
Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- STEP Fusion (NSIP)
- Bumble Bee Solar Farm
- Steeple Renewables Energy (NSIP)
- Wood Lane Solar Farm

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FOR CONTINUATION SEE SHEET 16

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- Sheet Index Cutlines
- Order Limits

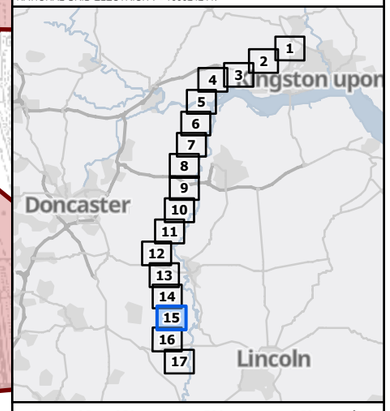
Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- Steeple Renewables Energy (NSIP)
- Tillbridge Solar (NSIP)

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FOR CONTINUATION SEE SHEET 17

SECTION E
SECTION F

Legend

- Sheet Index Cutlines
- Order Limits
- Route Section Boundary

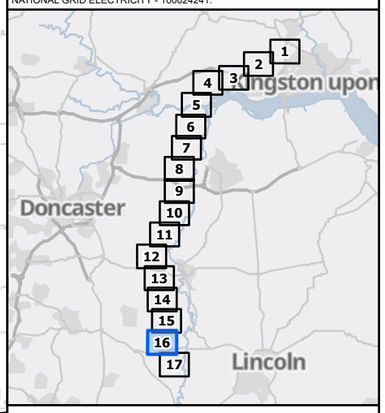
Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- East Drayton 1 Solar
- East Drayton 2 Solar
- One Earth Solar Farm (NSIP)

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Existing High Marnham Substation

Proposed High Marnham Substation

Legend

- Sheet Index Cutlines
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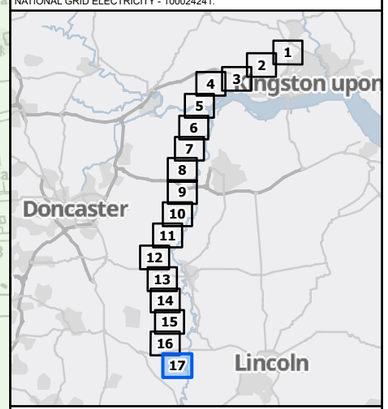
Proposed Project Design Details

- Indicative New Lattice Pylon
- Indicative New Gantry
- Indicative New Overhead Line
- Other Temporary and Permanent Construction and Operational Works

Other Projects

- High Marnham Substation Boundary
- Proposed High Marnham Substation
- High Marnham BESS
- American Farm Solar
- High Marnham Solar
- High Marnham Green Energy Park
- Crabtree Lane Solar BESS
- One Earth Solar Farm (NSIP)
- Tuxford Road Solar Farm
- H2East Pipeline (NSIP)

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