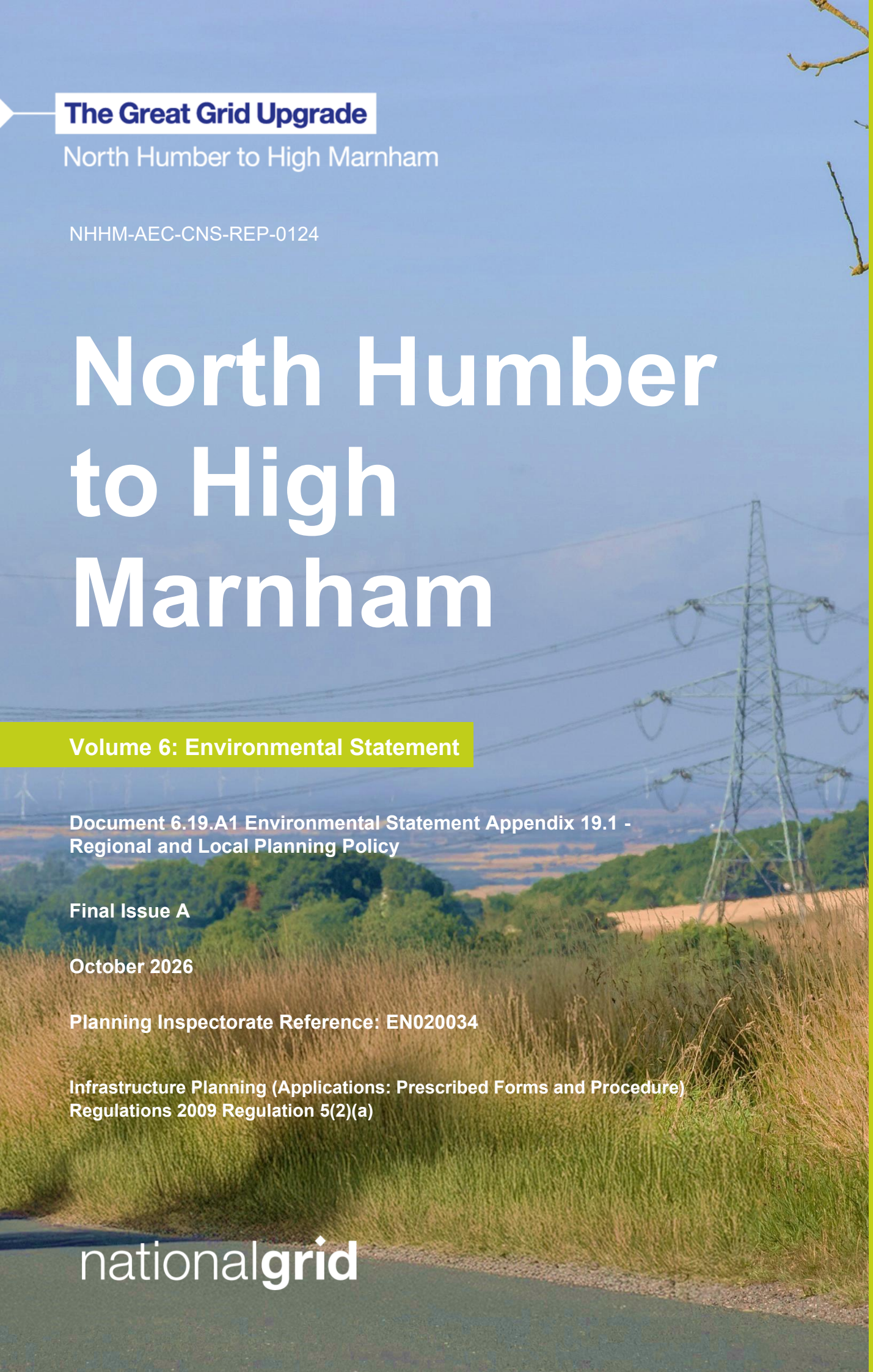


The Great Grid Upgrade

North Humber to High Marnham

NHHM-AEC-CNS-REP-0124

North Humber to High Marnham

Volume 6: Environmental Statement

Document 6.19.A1 Environmental Statement Appendix 19.1 - Regional and Local Planning Policy

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1. Regional and Local Planning Policy

1.1 Introduction

1.1.1 This appendix to **Application Document 6.19 Chapter 19 Climate Change** sets out the planning policies from the relevant regional and local plans listed in **Application Document 6.2 Chapter 2 Legislation and Policy Context** which are considered relevant to the climate change assessment.

1.1.2 Policies within the following plans are considered relevant to climate change and these policies have been detailed in Table 1.1 to Table 1.5.

- East Riding of Yorkshire Local Plan Update 2025 – 2039 - Strategy Document Update April 2025 (East Riding of Yorkshire Council, 2025);
- Yorkshire and Humber Climate Action Plan Update 2024 (University of Leeds on behalf of Yorkshire & Humber Climate Commission, 2024);
- North Lincolnshire Local Development Framework Core Strategy Adopted June 2011 (North Lincolnshire Council, 2011);
- Bassetlaw Local Plan 2020-2038 29 May 2024 (Bassetlaw District Council, 2024); and
- Bassetlaw District Council Climate Change Strategy (Bassetlaw District Council, 2024).

East Riding of Yorkshire Local Plan Update 2025 – 2039 - Strategy Document Update April 2025

1.1.3 The policies set out in Table 1.1 are considered relevant to climate change.

Table 1.1 – East Riding of Yorkshire Local Plan Update 2020 - 2039 - Strategy Document Update April 2025 policies relevant to climate change

Policy	Where this is covered in the application
Policy S2 Addressing climate change states: *'Development proposals will be supported where they reduce the generation of additional greenhouse gas emissions and incorporate adaptation to the expected impacts of climate change'.* The policy lists various ways in which this will be accomplished, following of which are or relevance to the Project: G. Incorporating high standards of sustainable design and construction which involve design approaches minimising energy demands, the prudent and efficient	The Project will help reinforce the existing transmission network and play an important role in facilitating the decarbonisation of the UK electricity system by enabling the connection and transmission of renewable and low-carbon energy. The climate assessment (**Application Document 6.19 Chapter 19 Climate Change**) considers the impact of the Project's greenhouse gas emissions (GHG), in the context of the legally binding GHG reduction targets and carbon budgets, in line with the Institute Environmental Management and Assessment's (IEMA) (now the Institute of

Policy	Where this is covered in the application
use of natural resources, and built-in resilience to the impacts of climate change (e.g. overheating, flood risk). H. Incorporating renewable, low carbon and decentralised energy generation and heat networks in appropriate locations and schemes where possible. I. Supporting proposals that protect, enhance and link habitat networks to allow biodiversity to adapt to climate change. P. Support the development of infrastructure, such as hydrogen transportation, that facilitates decarbonisation.	Sustainability and Environmental Professionals (ISEP)) GHG assessment guidance (Institute Environmental Management and Assessment, 2022)[1]. In addition, **Application Document 6.19 Chapter 19 Climate Change** assesses the likely significant impacts of the GHG emissions associated with all phases of the Project, as well as any required mitigation measures to reduce the residual effects. The Project proposes to deliver a minimum of 10 per cent Biodiversity Net Gain (BNG), with potential for wider environmental and societal benefits, on a voluntary basis. Detail on the Project's approach to voluntary BNG is provided in **Application Document 7.20 Design Development Report - 2025** and **Application Document 7.1 Biodiversity Net Gain Report**.

Yorkshire and Humber Climate Action Plan Update 2024

1.1.4 The policies set out in Table 1.2 are considered relevant to climate change.

Table 1.2 – Yorkshire and Humber Climate Action Plan Update 2024 policies relevant to climate change

Policy	Where this is covered in the application
Policies G1-7 (under Action G Transforming our energy system), outline the scope for emissions reduction, decarbonisation and climate adaptation, as follows: • Policy G1: Covers smart and flexible energy networks • Policy G2: Covers skills required for the future energy sector are delivered through relevant skills strategies and training programmes • Policy G3: decarbonisation of energy supply, ensuring that the highest sustainability and nature-friendly standards are met. • Policy G4: Upgrade our distribution networks to enable rapid electrification of heating and transport.	The climate assessment presented in **Application Document 6.19 Chapter 19 Climate Change** considers the impact of the Project's GHG emissions in the context of the legally binding GHG reduction targets and carbon budgets, in line with the IEMA GHG assessment guidance (Institute Environmental Management and Assessment, 2022). In addition, the climate chapter assesses the likely significant impacts of the GHG emissions associated with the production to the operation and maintenance phases of the Project, as well as any required mitigation measures. The end-of-life phase (decommissioning) has been scoped out of this assessment as explained in **Application Document 6.5 Chapter 5 EIA Approach and Methodology**.

[1] The Institute of Environmental Management Assessment (IEMA) has changed its name to the Institute of Sustainability and Environmental Professionals (ISEP). Where general reference is made to the institute, the following distinction has been made: ISEP (formerly IEMA). When referencing legacy IEMA documents, this distinction is not made.

Policy	Where this is covered in the application
• Policy G5: reducing energy demand as a core policy objective in the planning system, covering both new and converted buildings. • Policy G6: Expand community energy and unlock its potential to contribute to meeting energy needs and providing community benefit. • Policy G7: To build a strong evidence base that explores controversial and less-developed technologies (e.g. green hydrogen, carbon capture and storage (CCS) and bioenergy with carbon capture and storage (BECCS)), including their potential role in reaching net zero and the wider environmental impacts.	Section 19.6 of **Application Document 6.19 Chapter 19 Climate Change** also outlines the main mitigation measures incorporated into the Project, which are used to control relevant emission sources to minimise emissions where applicable. These are also found in **Application Document 7.3 Register of Environmental Actions and Commitments.** Furthermore, the Project will help reinforce the existing transmission network and build new electricity infrastructure, being part of UK policy to decarbonise the electricity grid and transition to net zero by 2050.

North Lincolnshire Local Development Framework Core Strategy Adopted June 2011

1.1.5 The policies set out in Table 1.3 are considered relevant to climate change.

Table 1.3 – North Lincolnshire Local Development Framework Core Strategy Adopted June 2011 policies relevant to climate change

Policy	Where this is covered in the application
Appendix 2 – Core Strategy Monitoring Framework, Policy CS5: Delivering Quality Design in North Lincolnshire This policy presents a target of 60 per cent of all new development attaining the highest standard of sustainable construction design certificate and meeting appropriate construction design level in Part B (or higher national standard).	The climate assessment (**Application Document 6.19 Chapter 19 Climate Change**) considers the impact of the Project's GHG emissions in the context of the legally binding GHG reduction targets and carbon budgets, in line with the IEMA GHG assessment guidance (Institute Environmental Management and Assessment, 2022). In addition, the climate chapter assesses the likely significant impacts of the GHG emissions associated with all phases of the Project, as well as any required mitigation measures to reduce the residual effects. The climate assessment (**Application Document 6.19 Chapter 19 Climate Change**) as well as **Application Document 6.19.A4 Appendix 19.4 Greenhouse Gas Reduction Strategy**, considers the impact of the Project's GHG emissions and sets out embedded and considered mitigation

Policy	Where this is covered in the application
	measures set out to help control the Project's emissions. Section 19.6 of **Application Document 6.19 Chapter 19 Climate Change** also outlines the mitigation measures incorporated into the Project, which are used to control and minimise relevant emission sources, where applicable. These are also presented in **Application Document 7.3 Register of Environmental Actions and Commitments**. Furthermore, the Project will help reinforce the existing transmission network and build new electricity infrastructure, being part of UK policy to decarbonise the electricity grid and transition to net zero by 2050.
CS18: Sustainable Resource Use and Climate Change This policy aims to reduce the size of North Lincolnshire's ecological footprint, reduce the causes of climate change, and move North Lincolnshire towards a more resource efficient future inclusive to renewable energy technology.	The climate assessment (**Application Document 6.19 Chapter 19 Climate Change**) considers the impact of the Project's GHG emissions in the context of the legally binding GHG reduction targets and carbon budgets, in line with the IEMA GHG assessment guidance (Institute Environmental Management and Assessment, 2022). In addition, the climate chapter assesses the likely significant impacts of the GHG emissions associated with all phases of the Project, as well as any required mitigation measures. Section 19.6 of **Application Document 6.19 Chapter 19 Climate Change** also outlines the mitigation measures incorporated into the Project, which are used to control and minimise relevant emission sources, where applicable. These are also presented in **Application Document 7.3 Register of Environmental Actions and Commitments**. Furthermore, the Project will help reinforce the existing transmission network and build new electricity infrastructure, being part of UK policy to decarbonise the electricity grid and transition to net zero by 2050.

Bassetlaw Local Plan 2020 - 2038 29 May 2024

1.1.6 The policies set out in Table 1.4 are considered relevant to climate change.

Table 1.4 – Bassetlaw Local Plan 2020 - 2038 29 May 2024 policies relevant to climate change

Policy	Where this is covered in the application
This Local Plan seeks to reduce greenhouse gases in accordance with the provisions of the Climate Change Act 2008 (HM Government, 2008) this is inclusive to climate change mitigation, sustainable and low carbon methods of construction; and climate change adaptation. POLICY ST48: Reducing Carbon Emissions, Climate Change Mitigation and Adaptation POLICY ST50: Flood Risk and Drainage	**Application Document 6.19 Chapter 19 Climate Change** presents a Lifecycle GHG Impact Assessment from the Project's construction, maintenance and operational phases. To accompany this, **Application Document 6.19.A4 Appendix 19.4 Greenhouse Gas Reduction Strategy** sets out how the GHG emissions associated with the Project should be managed and reduced, in accordance with NPS-EN1 (Department for Energy Security & Net Zero, 2025) requirements, including embedded mitigation measures which aim to minimise and offset Project emissions, where possible. The climate assessment considers the impact of the Project's GHG emissions in the context of the legally binding GHG reduction targets and carbon budgets, in line with IEMA GHG assessment guidance (Institute Environmental Management and Assessment, 2022), including alignment with the Climate Change Act 2008 (HM Government, 2008). In addition, the climate chapter assesses the likely significant impacts of the GHG emissions associated with the construction, and operation and maintenance of the Project, as well as any required mitigation measures. The end-of-life phase (decommissioning) has been scoped out of this assessment as explained in **Application Document 6.5 Chapter 5 EIA Approach and Methodology**. The climate change risk assessment evaluates the Project's impact on climate change and its resilience to climate change and extreme weather events, such as flooding, in accordance with the IEMA climate change resilience and adaptation guidance (Institute of Environmental Management and Assesssment, 2020).

Bassetlaw District Council Climate Change Strategy

1.1.7 The policies set out in Table 1.5 are considered relevant to climate change.

Table 1.5 – Bassetlaw District Council Climate Change Strategy policies relevant to climate change.

Policy	Where this is covered in the application
Section 2.5 Environmental and Appendix 2: Climate Change Vision for Bassetlaw which provides the Climate Change Vision for Bassetlaw Flow Chart of Strategies and Actions Plans in relation to the Council's Net Zero Commitments across 2030 (internal) and 2045 (district wide).	The climate assessment (**Application Document 6.19 Chapter 19 Climate Change**) considers the impact of the Project's GHG emissions in the context of the legally binding GHG reduction targets and carbon budgets, in line with the IEMA GHG assessment guidance, (Institute Environmental Management and Assessment, 2022), including alignment with the Climate Change Act 2008 (HM Government, 2008). In addition, the climate chapter assesses the likely significant impacts of the GHG emissions associated with the construction, and operation and maintenance phases of the Project, as well as any required mitigation measures. The end-of-life phase (decommissioning) has been scoped out of this assessment as explained in **Application Document 6.5 Chapter 5 EIA Approach and Methodology**. **Application Document 6.19 Chapter 19 Climate Change** presents a Lifecycle GHG Impact Assessment from the Project's construction, and operational and maintenance phases. To accompany this, **Application Document 6.19.A4 Appendix 19.4 Greenhouse Gas Reduction Strategy** sets out how the GHG emissions associated with the Project should be managed and reduced, in accordance with NPS-EN1 (Department for Energy Security & Net Zero, 2025) requirements, including embedded mitigation measures which aim to minimise and offset emissions where possible on the Project.

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