The Great Grid Upgrade

Sea Link

Sea Link

Volume 9: Examination Submisssions

Document 9.84: Register of Environmental Actions and Commitments (REAC)

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Version History			
Date	**Issue**	**Status**	**Description/Changes**
As 7.5.3 CEMP Appendix B Register of Environmental Actions and Commitments (REAC)			
March 2025	A	Final	For DCO Submission
November 2025	B	Final	For Deadline 1 Submission
November 2025	B (v2)	Final	Version 2, Change Request
As 9.84: Register of Environmental Actions and Commitments (REAC)			
January 2026	A	Final	For Deadline 3 Submission

1. Register of Environmental Actions and Commitments

1.1 Introduction

Overview

1.1.1 The Sea Link Project (hereafter referred to as the 'Proposed Project') is a proposal by National Grid Electricity Transmission plc (hereafter referred to as National Grid) to reinforce the transmission network in the South East of England and East Anglia. The Proposed Project is required to accommodate additional power flows generated from renewable and low carbon energy generation, as well as additional new interconnection with mainland Europe.

1.1.2 This would be achieved by reinforcing the network with a High Voltage Direct Current (HVDC) Link between the proposed Friston Substation in the Sizewell area of Suffolk and the existing Richborough to Canterbury 400 kV overhead line close to Richborough in Kent. This reinforcement would be approximately 138 km long, comprising primarily of a HVDC offshore transmission link, with both HVDC and High Voltage Alternating Current (HVAC) onshore elements.

Purpose of the Register of Environmental Actions and Commitments

1.1.3 This Register of Environmental Actions and Commitments (REAC) has been produced to record all commitments made by the National Grid during the iterative development of the designs on the Proposed Project. It includes embedded measures, which are typically intrinsic to the design submitted as part of the application for development consent, and good practice measures outlined within the Code of Construction Practice (CoCP) (**Application Document 9.83 Outline Code of Construction Practice**). It also includes the additional mitigation measures that have been identified through the Environmental Impact Assessment (EIA) to avoid or reduce likely significant environmental effects.

1.1.4 Compliance with the REAC is secured through Schedule 3 Requirement 5 of the draft Development Consent Order (DCO) (**Application Document 3.1 draft Development Consent Order**). As outlined in the Outline Offshore CEMP (**Application Document 7.5.2 Offshore Construction Environmental Management Plan**) and the Outline Onshore CEMP (**Application Document 7.5.3 Onshore Construction Environmental Management Plan**) National Grid will put in place robust procedures to audit and inspect the Proposed Project, including its supply chain of contractors, to make sure the control measures set out in the REAC are adopted when constructing the project. The REAC will apply to all areas of the Proposed Project delivered pursuant to the DCO and the contractor(s) will be expected to demonstrate compliance with these measures.

Terminology and Referencing

1.1.5 As described in **Application Document 6.2.1.5 Part 1 Introduction Chapter 5 EIA Approach and Methodology**, mitigation measures required to avoid or reduce the potential significant adverse effects of the Proposed Project have been categorised as follows:

- Embedded Measures: those that are intrinsic to and built into the design in order to reduce the environmental effects of the Proposed Project. These include:
  - sensitivity routing and sitting of infrastructure and temporary works; and
  - environmental commitments associated with certain environmental receptors within the Order Limits;
- Control and Management Measures: these are good practice measures that are included within the CoCP and other control and management plans (such as the Outline Construction Traffic Management and Travel Plans).
- Additional Mitigation: these are additional topic and site-specific measures, over and above embedded measures, that have been applied to mitigate or offset any likely significant effects.

1.2 Register of Environmental Actions and Commitments

1.2.1 The REAC is set out in Table 1.1,Table 1.2, Table 1.3 and Table 1.4 and is structured as follows:

- Column (1) provides a reference for each mitigation measure;
- Column (2) identifies the part of the ES that is the source of the mitigation measure;
- Column (3) presents a description of the purpose of the mitigation measure;
- Column (4) describes the mitigation commitment;
- Column (5) identifies the type of mitigation (either embedded measures, good practice measures or additional mitigation);
- Column (6) identifies the stage at which the mitigation will be implemented, either Construction or Operation;
- Column (7) identifies the securing document or plan that describes the proposed mitigation in more detail; and
- Column (8) refers to the relevant securing mechanism(s).

1.2.2 In each table the measures have been grouped by topic. Table 1.1 and Table 1.4 start with general measures that relate to onshore mitigation and offshore mitigation, before setting out measures relating to specific environmental topics (e.g. air quality, biodiversity, noise and vibration).

1.2.3 For further details on the mitigation measures, the relevant document (see Column 7) should be consulted. The measures will be implemented as described below unless otherwise outlined in a management plan or agreed by the Relevant Planning Authority and/or statutory consultee under the associated requirement of the draft DCO.

Table 1.1 Register of Environmental Actions and Commitments – Onshore mitigation

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
General Project Commitments (i.e. relates to more than one environmental topic)							
GG01	Application Document 9.83 Outline Code of Construction Practice	Non-compliance with legislation, consents and permits	The Proposed Project will be delivered and operated in compliance with all relevant legislation, consents and permits.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG02	Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Project	Construction-related activities and emissions resulting in environmental effects on receptors	A detailed CEMP, Landscape and Ecological Management Plan (LEMP) and Construction Traffic Management and Travel Plan (CTMTP) will be produced and submitted to the relevant authority for approval prior to construction of the relevant stage of the Proposed Project to which it relates. The detailed plans produced will be substantially in accordance with the outline versions submitted as part of the application for development consent. In accordance with the Requirement 6 of Schedule 3 of the draft DCO, the contractor will need to comply with the approved detailed plans (including any amendments to the plans subsequently approved).	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
						Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk
						Application Document 7.5.7.2 Outline Landscape and Ecological Management Plan – Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
						Application Document 7.5.1.1 Outline Construction Traffic Management and Travel Plan – Suffolk	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Suffolk
						Application Document 7.5.1.2 Outline Construction Traffic Management and Travel Plan – Kent	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Kent
GG03	Application Document 9.83 Outline Code of Construction Practice	Construction-related activities and emissions resulting in environmental effects on receptors	The CEMP shall include measures to manage dust, waste, water, noise, vibration and soil during construction. The contractor(s) shall undertake daily site	Control and management measure	Construction	Application Document 9.83 Outline Code of	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			inspections to check conformance to the Management Plans. The title and contact number of person(s) accountable for issues relating to dust, waste, water, noise, vibration and soil will be displayed at the site boundary.			Construction Practice	
GG04	Application Document 9.83 Outline Code of Construction Practice	Construction-related activities and emissions resulting in environmental effects on receptors	A suitably experienced Environmental Manager will be appointed for the duration of the construction phase. In addition, a qualified and experienced Environmental Clerk of Works (ECoW) will be available during the construction phase to advise, supervise and report on the delivery of the mitigation methods and controls outlined in the CEMP. The ECoW will monitor that the works proceed in accordance with relevant environmental DCO requirements and adhere to the required good practice and mitigation measures. The ECoW will be supported as necessary by appropriate specialists, including ecologists, soil scientists, landscape architects and arboriculturists.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG05	Application Document 9.83 Outline Code of Construction Practice	Construction-and maintenance related activities and emissions resulting in environmental effects on receptors	Construction workers and maintenance staff will undergo training to increase their awareness of environmental issues as applicable to their role on the project. Topics will include but not be limited to: • pollution prevention and pollution incident response; • dust management and control measures; • location and protection of sensitive environmental sites and features; • adherence to protected environmental areas around sensitive features; • working hours and noise and vibration reduction measures; • working with potentially contaminated materials; • waste management and storage; • flood risk response actions; and • agreed traffic routes, access points, etc.	Control and management measure	Construction / Operation (Maintenance)	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			• providing training for site staff, particularly those working in public facing roles or in areas near residential communities, on how to appropriately respond to confrontational behaviour, verbal abuse, or hostility from members of the public. This should include guidance on deescalation techniques, reporting procedures, and support available to staff who experience such incidents.				
GG06	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Risk that reinstatement does not meet the necessary standard	A full photographic/aerial footage and descriptive record of condition (pre-condition survey) will be carried out of the working areas that may be affected by the construction activities prior to these works commencing. This record will be available for comparison following completion of reinstatement works to ensure that the standard of reinstatement at least meets that recorded in the pre-condition survey, or as agreed in the LEMP or if the DCO provides otherwise, then in accordance with the DCO.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG07	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Temporary change in land use, habitat loss and vegetation clearance	Land used temporarily will be reinstated (bearing in mind restrictions on planting and land use) to its pre-construction condition and use, unless agreed otherwise, save where the DCO provides otherwise, in which case such reinstatement will be in accordance with the DCO. This is subject to the provisions of Article 27 of the draft DCO. Hedgerows, fences and walls (including associated earthworks and boundary features) will be reinstated to a similar style/specification and quality to those that were removed where possible, with landowner consultation.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG08	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent	Avoid impacts on sensitive features to be retained	Where sensitive features will be retained within or immediately adjacent to the Order Limits, an appropriate protective area will be established using appropriate fencing (in accordance with BS5837: 2012 Trees in Relation to Design, Demolition and Construction (British Standards	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Chapter 1 Landscape and Visual Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity		Institute)) and signage and will be inspected, repaired and replaced as necessary. The protective areas will be shown on the Retention and Reinstatement Plans contained within the LEMP.				
GG09	Application Document 9.83 Outline Code of Construction Practice	N/A	The name and contact details for the Proposed Project will be displayed at the entrance to all compounds. This will include an emergency number.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG10	Application Document 9.83 Outline Code of Construction Practice Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Project	Impacts on sensitive receptors from construction-related nuisance	Any activity carried out or equipment located within a construction compound that may produce a noticeable nuisance, including but not limited to dust, noise, vibration and lighting, will be located away from sensitive receptors such as residential properties (where practical) or designated ecological sites. Where it is not practicable to avoid proximity to sensitive receptors, appropriate mitigation measures will be implemented to minimise any potential nuisance, and stakeholders will be given advanced notice of the proposed work, justification for the work and details of any proposed mitigation.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG11	Application Document 9.83 Outline Code of Construction Practice	Construction-related activities and emissions resulting in environmental effects on receptors	Appropriate site layout and housekeeping measures will be implemented by the contractor(s) at all construction sites. This will include but not be limited to: • preventing pests and vermin control and treating any infestation promptly, including arrangements for the proper storage and disposal of waste produced on site; • access gates will be located at least 10 m from receptors where possible; • inspecting and collecting any waste or litter found on site;	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			• locating or designing site offices and welfare facilities to limit the overlooking of residential properties; • locating designated smoking/vaping areas to avoid nuisance to neighbours; • managing staff/vehicles entering or leaving site, especially at the beginning and end of the working day; and • managing potential off-site contractor and visitor parking.				
GG12	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Construction-related activities and emissions resulting in environmental effects on receptors	Plant and vehicles will conform to relevant applicable standards for the vehicle type as follows: • Euro 4 (NOx) for petrol cars, vans and minibuses; • Euro 6 (NOx and PM) for diesel cars, vans and minibuses; and • Euro VI (NOx and PM) for lorries, buses, coaches and Heavy Goods Vehicles (excluding specialist abnormal indivisible loads). Vehicles will be correctly maintained and operated in accordance with manufacturer's recommendations and in a responsible manner. All plant and vehicles will be required to switch off their engines when not in use and when it is safe to do so. In addition, plant and vehicles will conform to relevant applicable standards for the vehicle type.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG13	Application Document 9.83 Outline Code of Construction Practice	N/A	Materials and equipment will not be moved or handled unnecessarily. When loading and unloading materials from vehicles, including cable drums and excavated materials, drop heights will be limited.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG14	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Contamination of the water environment from fuels, oils or chemicals	Fuels, oils and chemicals will be clearly marked as to their contents and stored responsibly, in a secure, bunded area with an impervious base, away from sensitive water receptors. They will be stored a minimum of 10m from watercourses, ponds and a minimum of 50m from	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			springs, wells, boreholes and groundwater dependent terrestrial ecosystems and wetland habitats. Any spillages or leaks are to be dealt with promptly, and all waste disposed of in an appropriate manner. Before any tank is removed or perforated, all contents and residues will be emptied by a competent operator for safe disposal at a licensed facility. All refuelling, oiling and greasing of construction plant and equipment will take place in an appropriate bunded area that includes an impervious base and where possible interceptor drains. All pumps, generators and similarly fuelled equipment are to be placed on drip trays or in a bunded area and all valves, hoses and associated re-fuelling equipment will be regularly inspected and turned off and securely locked when not in use. Vehicles and plant will not be left unattended during refuelling. Appropriate spill kits will be made easily accessible for these activities. Potentially hazardous materials used during construction will be safely and securely stored including use of secondary containment where appropriate. Stored flammable liquids such as diesel will be protected either by double walled tanks or stored in a bunded area with a capacity of 110% of the maximum stored volume. Spill kits will be located nearby.				
GG15	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Contamination of the water environment from site runoff	Runoff across the site will be controlled through a variety of methods including header drains, 10m buffer zones for all construction and associated activities such as refuelling and storage of materials around watercourses, on-site ditches, silt traps and bunding. There will be no intentional discharge of site runoff to ditches, watercourses, wetland habitats, drains or sewers without appropriate treatment and agreement of the appropriate authority (except in the case of an emergency).	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG16	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water	Contamination of the water environment from wash down of site vehicles and equipment	Where required, wash down of vehicles and equipment will take place in designated areas within construction	Control and management measure	Construction	Application Document 9.83 Outline Code of	DCO Schedule 3, Requirement 6 Code

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality		compounds. Wash water will be prevented from passing untreated into watercourses, wetland habitats and groundwater. Appropriate measures will include use of sediment traps. Ensure there is an adequate area of hard surfaced road between the wash facility and the site exit, wherever site size and layout permits.			Construction Practice	of Construction Practice
GG17	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from excessive dust or mud deposits	Where required, wheel washing will be provided at each main construction works compound access point on to the highway. An adequate supply of water will be made available at these locations at all times, and wash water will be prevented from passing untreated into watercourses and groundwater using appropriate measures. Road sweepers will be deployed on public roads where necessary to prevent excessive dust or mud deposits.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG18	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from excessive dust or mud deposits	Use water-assisted dust sweeper(s) on the access and local roads, to remove, as necessary, any material tracked out of the site. Avoid dry sweeping of large areas.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG19	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on receptors from unprotected earthworks or stockpiled soil	Earthworks and stockpiled soil will be protected by covering, seeding or using water suppression where appropriate.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG20	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Increase in dust emissions and adverse effects on human and ecological receptors	Bonfires and the burning of waste material will be prohibited.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG21	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document	Impacts on human and ecological receptors from construction lighting	Construction lighting will be of the lowest levels necessary to safely perform each task. It will be designed, positioned and directed to reduce the intrusion into adjacent properties, protected species	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity		and habitats (e.g. watercourses) and designated conservation sites.				
GG22	Application Document 9.83 Outline Code of Construction Practice	Increase in waste and risk of damage or contamination of waste, increasing the amount of waste sent to landfill	A Material and Waste Management Plan will be submitted to and approved by the local planning authority prior to construction as secured by Requirement 6 in the draft DCO. The contractor(s) will maintain and monitor this plan throughout the construction phase and oversee that any sub-contractor(s) adhere to it. The Material and Waste Management Plan will set out, in an auditable manner, how waste will be reduced, reused, managed and disposed of in accordance with the waste hierarchy. Dedicated areas will be identified on the construction plans to allow materials and wastes to be segregated at source, reducing the risk of damage or contamination.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Materials and Waste Management Plan
GG23	Application Document 9.83 Outline Code of Construction Practice	N/A	A construction phase Safety Health and Environment (SHE) Plan will be prepared by the contractor prior to construction works commencing and will ensure that adequate arrangements and welfare facilities are in place to cover the safety of construction staff, visitors to site, the public and compliance with appropriate legislation and guidance.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG24	Application Document 9.83 Outline Code of Construction Practice	Occurrence of unplanned events (e.g. site flooding, pollution incidents)	An Incident Response Plan will be developed by the contractor for the construction phase. This will be prepared prior to construction works commencing and thereafter complied with. It will outline procedures that will be implemented in case of unplanned events, including but not limited to site flooding and pollution incidents and flood defence damage contingencies. Local authorities and the	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			Environment Agency will be informed of any large scale incidents under the Incident Response Plan. Smaller scale issues will be recorded in a register that will be made available to local authorities and the Environment Agency for review on request.				
GG25	Application Document 9.83 Outline Code of Construction Practice	Impacts on receptors from ground disturbance	Stone pads or equivalent will be installed in areas where heavy equipment, such as cranes and piling rigs, will be used. The stone pads will provide stable working areas and will reduce disturbance to the ground. The stone pad area will be stripped of the topsoil, which will be stored and reinstated in accordance with the soil management measures contained in the CEMP. Archaeological mitigation will be undertaken, as appropriate, in areas where the pads have the potential to impact on archaeological remains. The mitigation will be agreed with the relevant stakeholder and will be in line with the relevant Onshore Overarching Written Scheme of Investigation.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG26	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Fencing security requirements	Where working areas are fenced, the type of fencing installed will depend on the area to be fenced and will take into consideration the level of security required in relation to the surrounding land and public access, rural or urban environment and arable or stock farming. Consultation on the type of fencing will be undertaken with the relevant landowner and tenant where required and where there are existing surface water flow paths, the fencing type will not cut off/block these routes. For some locations the fence used may also serve to provide acoustic and visual screening of the work sites and reduce the potential for disturbance of users in the surrounding areas. Fencing will be regularly inspected and maintained and removed as part of the demobilisation unless otherwise specified.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG27	Application Document 6.2.2.10 Part 2 Suffolk Chapter 10 Socio-Economics, Recreation, and Tourism and	Impacts on human receptors from noise during construction works	Members of the community and local businesses will be kept informed regularly of the works through active community liaison. This will include notification of noisy activities, heavy traffic periods and	Control and management measure	Construction	Application Document 9.83 Outline Code of	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Application Document 6.2.3.10 Part 3 Kent Chapter 10 Socio-Economics, Recreation, and Tourism		start and end dates of key phasing. A contact number will be provided which members of the public can use to raise any concerns or complaints about the Proposed Project. All construction-related complaints will be logged by the contractor(s) in a complaints register, together with a record of the responses given and actions taken. This will be made available to local authorities for review on request.			Construction Practice	
GG28	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Impacts to watercourses during construction and maintenance works	Ensure equipment is readily available on site to clean any dry spillages, and clean up spillages as soon as reasonably practicable after the event using wet cleaning methods.	Control and management measure	Construction / Operation (Maintenance)	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GG29	Not applicable	Non-compliance with design safety standards	The Proposed Project will be designed to comply with design safety standards including National Electricity Transmission System Security and Quality of Supply Standards and the suite of National Grid policies and processes which contains details on design standards required to be met when designing, constructing and operating its project.	Embedded	Construction / Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
GG30	Not applicable	Harm to human health from exposure to electric and magnetic fields	The Proposed Project design will be compliant with the guidelines and policies relating to electromagnetic fields stated in National Policy Statement EN-5, including the International Commission on Non-Ionizing Radiation Protection guidelines (1998).	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
GG31	Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Project	Environmental impacts associated with decommissioning works	A written scheme of decommissioning will be submitted for approval to the relevant planning authority at least six months prior to any decommissioning works. This would follow National Grid's processes at that point in time, for assessing and mitigating any environmental impacts.	Control and management measures	Decommissioning	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 13 Written Scheme of Decommissioning
GG32	Application Document 2.13 Part 2 Suffolk Chapter 13 Suffolk Onshore Scheme Inter-	Inter-project cumulative effect on PRoW	To reduce the potential for significant overall cumulative effects, PRoW closures / diversions will be coordinated with East Anglia ONE North Offshore Windfarm and East Anglia TWO Offshore Windfarm.	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and	DCO Schedule 3, Requirement 6 Register of Environmental Actions

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Project Cumulative Effects					Commitments (REAC)	and Commitments (REAC)
GG38	Not applicable	Impact on safe movement of vehicles and pedestrians within the site perimeter during hours of low light or darkness	The operational external lighting systems at the proposed converter stations and substations in Kent and Suffolk will meet the following minimum exterior lighting requirements (which are in accordance with NGET standards): • Maintained average illuminance: 6.0 lux • Maintained minimum point Illuminance: 2.5 lux	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
GG39	Application Document 9.83 Outline Code of Construction Practice	Disturbance / damage caused by UXO	The Applicant will implement the mitigation measures in accordance with the recommendations set out within the detailed UXO risk assessment reports contained in Application Document 9.73.1 Applicant's Responses to First Written Questions - Appendices, Appendix K.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
Landscape and Visual							
LV01	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on landscape and visual receptors and biodiversity receptors from vegetation clearance	The contractor(s) will retain vegetation where practicable. Where vegetation is lost and trees cannot be replaced in situ due to the restrictions associated with land rights required for operational safety, native shrub planting approved by National Grid will be used as a replacement, in accordance with the outline vegetation reinstatement plans included within the Outline Landscape Environment Management Plan.	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management - Suffolk Application Document 7.5.7.2 Outline Landscape and Ecological Management - Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
LV02	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on trees during construction	The contractor(s) will apply the relevant protective principles set out in British Standard (BS) 5837:2012: Trees in relation to design, demolition and construction. This will be applied to trees within and immediately adjacent to the Order Limits as identified within Application Document 6.10 Arboricultural Impact Assessment Part 1 of 2 [APP-294] and Arboricultural Impact Assessment Part 2 of 2 [APP-295]. All works to high grade trees, including trees under Tree Preservation Orders, and veteran and	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management - Suffolk Application Document 7.5.7.2 Outline Landscape and Ecological Management - Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and Ecological

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			ancient trees, will be undertaken or supervised by a suitably qualified arboriculturist.				Management Plan (LEMP) – Kent
LV05	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on the quality of soil	Subsoil and topsoil will be separated, documented and stored and replaced as close as possible to the location of origin to ensure no degradation in quality, with reinstatement undertaken as soon as possible after completion of construction of each section/area of works.	Control and management measure	Construction	Application Document 7.5.10.1 Outline Soil Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Soil Management Plan – Suffolk
						Application Document 7.5.10.2 Outline Soil Management Plan – Kent	DCO Schedule 3, Requirement 6 Soil Management Plan – Kent
LV06	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on the quality of soil	Temporary and separate placement of topsoil and subsoil will be stored adjacent to the trench where possible, with the additional height of the subsoil storage used on whichever side requires greater screening benefit, where practicable. In some locations stockpiles will be remote from the trench, such as at pinch points where the corridor has been narrowed, and the additional height of the storage will be sensitively placed as far as possible.	Control and management measure	Construction	Application Document 7.5.10.1 Outline Soil Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Soil Management Plan – Suffolk
						Application Document 7.5.10.2 Outline Soil Management Plan - Kent	DCO Schedule 3, Requirement 6 Soil Management Plan – Kent
LV07	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual and Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on landscape and visual receptors	Sensitive routeing and siting of infrastructure and temporary works. Specific details relevant to Suffolk and Kent are discussed in Tables 1.2 and 1.3 of this REAC.	Embedded	Construction / Operation	Application Document 7.12.1 Design Principles - Suffolk	DCO Schedule 3, Requirement 3
						Application Document 7.12.2 Design Principles - Kent	
Ecology and Biodiversity							
B01	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on protected species	The contractor(s) will comply with relevant protected species legislation. Appropriate licences will be obtained where necessary from Natural England for all works affecting protected species as identified by the ES and through pre-construction surveys. Should protected species be identified during construction that require a licenced works in that location will be stopped, when safe to do so, until an appropriate licence is in place. All	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management– Suffolk Application Document 7.5.7.2 Outline Landscape	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and

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			applicable works will be undertaken in accordance with the relevant requirements and conditions set out in those licences.			and Ecological Management - Kent	Ecological Management Plan (LEMP) – Kent
B02	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on breeding birds from vegetation clearance	The assumption will be that vegetation with the potential to support breeding birds will not be removed during the breeding bird season (March to August inclusive). If any works become necessary during the breeding bird season, works will be supervised by an ECoW. Appropriate protection measures will be put in place should active nests be found. These will include exclusion zones around active nests until chicks fledge or nests become inactive as determined by monitoring by the ECoW.	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management - Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk
						Application Document 7.5.7.2 Outline Landscape and Ecological Management- Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
B03	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on biodiversity receptors from potential animal entrapment	As far as possible, trenches and excavations should not be left open overnight. Where there will be a risk of animal entrapment, a means of escape (such as a plank that can be used as a ladder) will be installed into all excavations that are left open overnight.	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan- Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk
						Application Document 7.5.7.2 Outline Landscape and Ecological Management Plan- Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
B04	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on biodiversity receptors from potential spread of invasive species	To control the spread of invasive weeds in accordance with the Wildlife and Countryside Act 1981, any plant,machinery, or footwear used in areas containing invasive species (terrestrial and aquatic), such as Japanese knotweed, Azolla fern, and Himalayan balsam, will be thoroughly cleaned following the Check, Clean, Dry protocol outlined by the GB Non-Native Species Secretariat. Cleaning will take place at contained wash stations designed to remove all soil and debris from equipment and individuals before leaving site. Water used for cleaning vehicles and footwear will be treated as contaminated waste and managed appropriately to prevent the spread of	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			invasive species via seeds, rhizomes, or plant fragments. Pre-commencement checks/surveys for presence of Invasive Non-Native Species (INNS) in works areas would be undertaken by the ECoW and a Biosecurity Management Plan (BMP) will be produced for the project following the latest guidance on from the Great Britain (GB) non-native species secretariat.				
B05	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on common reptiles from vegetation clearance	All habitats suitable for common reptiles will be subject to two-stage habitat manipulation that will take place between mid-March and mid-October. Firstly, vegetation will be cut to approximately 150 mm (with the arisings removed) under the supervision of an ECoW and the site left for a minimum of two days to allow reptiles to naturally disperse from the area. Secondly, vegetation will be cleared down to ground level under the supervision of an ECoW. Vegetation will be cleared using appropriate equipment based on the type of vegetation to be removed, the area affected, and the risk of mortality or injuring reptiles. Construction works could commence immediately after completion of the second stage. Reptile hibernacula will be retained and protected during construction where practicable. If unavoidable, the removal of vegetation and groundworks at hibernacula will be timed to avoid the hibernation season (late October to early March). Replacement hibernacula and refugia will be provided.	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management- Suffolk Application Document 7.5.7.2 Outline Landscape and Ecological Management- Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
B06	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on bat roosts from vegetation clearance	Where necessary, alternative roost structures (bat boxes) will be provided (with landowner consent) on retained trees within the Order Limits or areas outside of the Order Limits agreed with relevant landowners. Three boxes will be provided for each tree with moderate bat roost potential to be felled. Five boxes will be provided for each tree with high bat roost potential to be felled.	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management - Suffolk Application Document 7.5.7.2 Outline Landscape and Ecological Management - Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent

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B07	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on hedgerows and hedgerow fauna during construction works	Where the works require the crossing or removal of hedgerows, the gap will be reduced to a width required for safe working. Where hedge removals are necessary, 'dead hedging' should be used, where practicable, in the interim periods to retain connectivity during construction. Dead hedging can comprise vegetation arisings or artificial provision, such as willow screening panels or Heras fencing covered in camouflage netting. New hedgerow planting will contain native, woody species of local provenance.	Control and management measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management - Suffolk Application Document 7.5.7.2 Outline Landscape and Ecological Management - Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
B08	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Injury to fish or eels	During culvert installation there would be a watching brief and fish rescue where required. Where over pumping is required, pumps would be fitted with 2mm screens to prevent injury to fish or eels.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
B09	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts from potential frac out	Measures to manage risk of frac out: • Ensuring sufficient surveys have been undertaken to understand the ground conditions to inform the final design; • Design a profile sufficiently deep for the methodology and conditions, with hydrofracture modelling used to check that there is sufficient factor of safety; • Use of a drilling fluids engineer to design and monitor the fluid properties; • Ensure that the trenchless bore is sufficiently clean of cuttings during drilling • Monitoring fluid pressures in the bore, and returns to the entry pit during drilling; • The use of "spotters", personnel stationed above the onshore drill line to look for any frac out or break out; and • If drilling fluid losses occur, lost circulation material (LCM) may be added to seal the ground. As a last	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

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			resort, cementitious grout may be used to seal fractures.				
B10	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity Application Document 6.9 Water Framework Directive	Disturbance to fish from piling associated with the River Fromus and River Stour crossings	The foundations of bridges across the River Fromus and the River Stour would use soft-start non-percussive piling techniques to limit disturbance, which would assist in allowing sounds to increase gradually allowing fish in the immediate vicinity to swim away.	Control and Management	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B11	Application Document 6.2.2.2 Part 2 Scheme Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	To reduce ecological impact	Minimising the width of the cable corridor at ditch and hedgerow crossings to 20 m where possible (between the Saxmundham Converter Station and Friston Substation the HVAC and HVDC cables will both be in trench resulting in a minimum gap of 39m)	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B12	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impact from the loss of vegetation	Mature vegetation removed from hedgerows and ditches will be retained as close to the area of removal as possible, retaining intact root balls, where feasible and desirable, such that it can be re-used.	Embedded	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management-Suffolk Application Document 7.5.7.2 Outline Landscape and Ecological Management-Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
B13	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impact from the loss of hedgerows and marginal vegetation	Hedgerow gaps will be planted once works are complete with ‘light standards’ or feathered trees, while gaps in ditch marginal vegetation will be planted with mature emergent vegetation purchased from nurseries.	Embedded	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management-Suffolk Application Document 7.5.7.2	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk DCO Schedule 3, Requirement 6 Landscape and

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
						Outline Landscape and Ecological Management-Kent	Ecological Management Plan (LEMP) – Kent
B14	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on dormice	A precautionary method would be followed when undertaking vegetation clearance potentially suitable for dormice which would be undertaken in two stages under supervision of a suitably qualified ecologist.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B15	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on mammals	While the haul road will be fenced this fence will not go entirely to ground level so mammals such as badger will be able to pass.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B16	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impact on ditches	If the culverts mentioned in Commitment W03 can avoid specific vole burrow locations through micro-siting while still meeting the needs of the Proposed Project, this will be implemented.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B17	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Restriction of movement for water voles	The culverts will also avoid narrowing of natural channel width. Where bank material cannot be preserved within the culvert (due to the weight or levels) they will also include a minimum 150 mm wide mammal ledge (with 600mm headroom where ditch depth allows) to ensure continued accessibility by water voles.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B18	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity and Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity Application Document 6.9 Water Framework Directive	Harm to eels	Drainage outfalls would be designed to exclude eels from accessing SuDS, for example by having outfall pipes situated above the receiving water level.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

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B59	Application Document 9.83 Outline Code of Construction Practice	Impacts of potential frac-out	In relation to trenchless landfall works at both Suffolk and Kent, the contractor(s) will: - Notify NE of changes to landfall HDD depth or any changes to the location of landfall exit pit - Prepare a HDD landfall Method Statement and Drilling Fluid Management Plan in consultation with Natural England (NE), Kent Wildlife Trust (KWT) and Royal Society for the Protection of Birds (RSPB) as appropriate. - Undertake HDD landfall hydrofracture modelling which is to be shared for information only with NE, KWT and RSPB when completed	Control and management measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B64	Application Document 9.83 Outline Code of Construction Practice	Impact on ponds	Where there are existing ponds (defined as permanent standing water other than ditches) within the Order Limits, it is confirmed that these will not be removed as part of the works. Should new ponds be created prior to construction, these could potentially be removed.	Control and management measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B71	Application Document 9.83 Outline Code of Construction Practice	Disturbance to otters	During winter, construction work within 4 m of any watercourse are only to be undertaken during 7am to 7pm, except during emergencies, to avoid disturbing otter during the core of the night.	Control and management measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Cultural Heritage							
H01	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage and Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Construction of the Proposed Project would employ the use of track matting for construction plant, where practicable, as opposed to topsoil stripping for the creation of haul roads. This measure would avoid permanent impacts to buried archaeological remains that may be present.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
H02	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage and Application Document 6.2.3.3 Part 3	Effects on cultural heritage assets	To minimise change to the setting of heritage assets, land used temporarily will be reinstated to its pre-construction condition and use where practicable, unless agreed otherwise. Hedgerows,	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Kent Chapter 3 Cultural Heritage		fences and walls (including associated earthworks and boundary features) will be reinstated to a similar style and quality to those that were removed where possible, with landowner consultation, through CoCP measure GG07. This is subject to the DCO provisions on reinstatement.				
H03	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage and Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	To minimise light intrusion into the setting of heritage assets, construction lighting will be of the lowest levels necessary to safely perform each task. It will be designed, positioned and directed to reduce light spill and intrusion, through CoCP measure GG21.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
H04	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage and Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Sensitive routeing and siting of infrastructure and temporary works as set out in Section 3.8 of Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage and Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage.	Embedded	Construction and Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Water Environment							
W01	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Risk of not complying with environmental legislation	All works within main rivers and qualifying activities within floodplains such as installation of access tracks, within ordinary watercourses and board drains, will be in accordance with a method approved under environmental permits issued under the Environmental Permitting Regulations by the Environment Agency and /or the relevant secondary consents or permits from the Lead Local Flood Authorities and Internal Drainage Boards.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W02	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Impacts to watercourses during construction works	For open cut watercourse crossings and installation of vehicle crossing points, good practice measures will include but not be limited to: • where practicable, reducing the working width for open cut crossings of a main or ordinary watercourse whilst still providing safe working;	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			• installation of a pollution boom downstream of open cut works; • the use and maintenance of temporary lagoons, tanks, bunds, silt fences or silt screens as required; • have spill kits and straw bales readily available at all crossing points for downstream emergency use in the event of a pollution incident; • the use of all static plant such as pumps in appropriately sized spill trays; • prevent refuelling of any plant or vehicle within 10 m of a watercourse and within 50 m of any spring/borehole/well; • prevent storing of soil stockpiles within 15 m of a main river (16m where river is tidal); • inspect all plant prior to work adjacent to watercourses for leaks of fuel or hydraulic fluids; and • reinstating the riparian vegetation and natural bed of the watercourse, using the material removed when appropriate, on completion of the works and compacting as necessary. If additional material is required, appropriately sized material of similar composition will be used.				
W03	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Impacts to watercourses during construction works	Riverbank and in-channel vegetation will be retained where not directly affected by installation works. Where ditches retaining seasonal flows are crossed, culverts in waterbodies will either preserve the natural bed or be box culverts with inverts sunk a minimum of 300 mm below the hard bed of the watercourse and natural / existing bed material placed across the inside of the culvert, to maintain existing channel gradients and habitat for aquatic invertebrates, as well as to ensure continued passage for in channel species.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
W04	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Impacts to watercourses during construction works	Where watercourses are to be crossed by construction traffic, measures will include the use of culverts or temporary spanned bridges. Once the culvert is installed, the area above the culvert will be backfilled and construction mats placed over the backfilled area to permit the passage of plant, equipment, materials and people. Culverts will be sized to reflect the span width and the estimated flow characteristics of the watercourse under peak flow conditions and kept free from debris. The installation works would be timed to avoid flood flow conditions where practicable or if periods of work were necessary when higher flow conditions could be expected, suitable pumping provision would be put in place, with standby pumps also made available. Where used, temporary bridges will be designed specifically to consider the span length and the weight and size of plant and equipment that will cross the bridge. The bridge across the River Stour would have a soffit height sufficient to meet with navigational requirements and in excess of the 0.5% flood level plus 600 m freeboard.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W05	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Impacts to the water environment due to de-watering and discharge activities	The contractor(s) will comply with all relevant consent conditions or DCO provisions regarding de-watering and other discharge activities. This will particularly be with regard to volumes and discharge rates and will include discharges to land, water bodies or third-party drains/sewers.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W06	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Changes to flood risk due to temporary working areas and access routes	Where new or additional impermeable surfacing is required on any access tracks, bellmouths and in compound areas e.g. for parking provision, site offices, Sustainable Drainage Systems (SuDS) will be incorporated, appropriate to the existing ground conditions, with infiltration to ground preferred where conditions are suitable. These would be put in place as early activities in the construction schedule so as to avoid or reduce working on land that is prone to waterlogging and flooding.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			The Proposed Project will incorporate appropriate surface water drainage measures into its final design for the haul roads and access tracks so that they do not lead to a significant increase in flood risk. Temporary haul routes within Flood Zone 3 and areas of high and medium risk of flooding from surface water will be removed at the end of the construction phase and the ground surface will be reinstated to pre-project levels, except in instances where the ground level has been adjusted as part of the Proposed Project subject to the provisions of the draft DCO in Article 27. No construction materials should be stored within Flood Zone 3 and areas of high and medium risk of flooding from surface water, where this cannot be avoided, for example in the River Stour floodplain adequate mitigation measures will be applied. For example, model outputs would inform the placement of soil during construction and soil stockpiles would be aligned in the direction of flow to avoid impeding flood flow routes.				
W07	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Unsafe working due to flooding incidents	The contractor(s) will subscribe to the Environment Agency's Floodline service, which provides advance warning of potential local flooding events, and subscribe to the Met Office's Weather Warnings email alerts system and any other relevant flood warning information. The contractor(s) will implement a suitable flood risk action plan, which will include appropriate evacuation procedures should a flood occur or be forecast.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W08	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Impacts on private water supplies during construction works	Active private water supplies will be identified with landowners through the landowner discussions. Appropriate measures will be considered during construction. In the event of a landowner or tenant reporting that installation activities have affected their private water supplies, an initial response will be provided within 24 hours. Where the installation works have affected a private water supply, an alternative water supply will be provided, as appropriate, and any	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			groundwater contamination will be remediated.				
W09	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Impacts on private water supplies due to a pollution event	In the event of a significant spill during construction or maintenance, the incident will be reported to the Environment Agency incident hotline and all landowners/tenants with a private water supply within 250 m of the spill will be contacted within 24 hours. An assessment of the likelihood of groundwater contamination reaching identified private water supplies will be undertaken, and where a private water supply is judged likely to be affected, an alternative water supply will be provided, as appropriate and in agreement with the affectedlandowner/tenant, and any proven groundwater contamination will be remediated.	Control and management measure	Construction / Operation (Maintenance)	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W10	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Severance of existing land drainage routes	Severance of existing land drainage routes, including agricultural field drainage systems would be managed during construction through provision of temporary alternative drainage routes, and these drainage systems would be permanently reinstated or rerouted ensuring their existing function is maintained.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W11	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Changes to flood risk and water quality due to the increase in impermeable surfaces	Surface water drainage from permanent above ground infrastructure would be managed and treated using SuDS in accordance with policy and guidance requirements of the relevant Lead Local Flood Authorities to include allowances for climate change in accordance with current (May 2022) Environment Agency guidelines. These SuDS would be maintained over the lifetime of the Proposed Project and the drainage infrastructure would provide the storage necessary to achieve discharges at greenfield rates and would not significantly alter groundwater recharge patterns by transferring recharge quantities from one catchment to another.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W12	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water	Physical disturbance to watercourses and areas of coastal floodplain	At the Suffolk and Kent landfalls the offshore cables will be brought onshore using a trenchless technique, avoiding	Control and management measure	Construction	Application Document 9.83 Outline Code of	DCO Schedule 3, Requirement 6 Code

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment		physical disturbance of several watercourses and areas of coastal floodplain. Monitoring of existing flood defences would be undertaken during the cable installation in agreement with Environment Agency protocols to ensure no detriment to the integrity of the defences.			Construction Practice	of Construction Practice
W13	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Bankside vegetation loss	Bankside vegetation would be reinstated at culvert entries and exits following the completion of construction works as soon as conditions are suitable for planting and where identified as necessary, provision for mammal passage would also be included.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
W14	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Risk of surface water flooding	The Contractor shall develop a Drainage Management Plan and this must be submitted to the Local Planning Authority for approval prior to construction works for the Proposed Project commencing and thereafter the approved plan shall be complied with, subject to any amendments that are subsequently approved pursuant to Requirement 6 of Schedule 3 of the draft DCO. The plan shall demonstrate how the Contractor would manage surface water runoff across the worksite, including details of how offsite impacts would be managed and mitigated.	Control and management measure	Construction and Operation	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Drainage Management Plan
W15	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment and Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Flood risk	The Contractor shall prepare a construction phase Flood Management Plan that shall consider all construction phase activities and temporary works necessary to deliver the Proposed Project and this must be submitted to the Local Planning Authority for approval prior to construction works for the Proposed Project commencing and thereafter the approved plan shall be complied with, subject to any amendments that are subsequently approved pursuant to Requirement 6 of Schedule 3 of the draft DCO.	Control and management measure	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Flood Management Plan (FMP)
W16	Application Document 6.9 Water Framework Directive Assessment	Consumptive use of water resources	Water use efficiency and leakage reduction measures would be adopted during the construction phase, such as	Control and management measure	Construction	Application Document 9.83 Outline Code of	DCO Schedule 3, Requirement 6 Code

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			use of water-efficient fittings (taps, toilets) in site offices and welfare facilities, use of misting/atomising systems for dust suppression, drive-on recirculating systems for wheel washing, and sub-metering to help in detecting leaks where reasonably practicable.			Construction Practice	of Construction Practice
W27	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	Increased flood risk	Any culvert to be permanently retained would be sized and designed to account for future flood flows, taking into account recommended allowances for climate change in accordance with Environment Agency guidelines.	Embedded	Construction / Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W28	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	Access to flood defences	Fencing required for compounds and working areas will be designed such that there are no restrictions to the Environment Agency's access for the maintenance of their flood defences.	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W29	Application Document 9.83 Outline Code of Construction Practice	Deterioration in surface water quality	Where vegetation removal is required at culvert construction sites, any herbicides would be used in accordance with the Agreement to Use of Herbicide in or Near Water guidance note and following agreement from the Environment Agency, as applicable.	Control and management measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W31	Application Document 9.83 Code of Construction Practice	Impact on flood risk	Drainage ponds serving temporary works during construction of the Proposed Project would be removed following construction, and the land reinstated.	Control and management measure	Construction	Application Document 9.83 Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
Geology and Hydrogeology							
GH01	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts from geotechnical hazards	Intrusive ground investigations and assessment will be undertaken prior to construction which will inform appropriate geotechnical design in relation to the site/structure specific ground conditions including ground instability/adverse ground conditions.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GH02	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document	Mixing of aquifer bodies through the creation of new pathways	A Foundation Works Risk Assessment (FWRA) will be undertaken by the contractor where the use of piled foundations are anticipated and at trenchless crossings. The contractor will	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology		utilise construction methods such as appropriate piling techniques to minimise and avoid the risk of introducing new contamination (if required), creating new contamination pathways, and mixing of aquifer bodies. The FWRA would be undertaken once the proposed foundation solutions are known in consultation with the Environment Agency and in accordance with Environment Agency guidance 'Piling and Penetrative Ground Improvement Methods on Land Affected by Contamination'. The FWRA would also seek to minimise impacts on buried archaeological remains as a result of contamination.				
GH03	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts on receptors due to contaminated land	Use of appropriate occupational health and safety measures e.g. Personal Protective Equipment (PPE), and statutory health and safety compliance (e.g. compliance with the Confined Spaces Regulations, 1997 in relation to ground gas from working in confined spaces/trenches) to minimise the risks associated with anticipated/unexpected contamination. Based on risk assessment informed by site specific information.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GH04	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts on receptors due to the release of hazardous substances into the environment	Appropriate training of construction and maintenance workers in the handling and use of potentially hazardous substances and the associated risks.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GH05	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Contamination of the water environment from fuels, oils or chemicals during construction and maintenance	All materials that could be hazardous to water quality will be stored in suitable areas, more than 10 m away from a watercourse and wetland habitats, away from site traffic and in containers which are fit for purpose, meeting the requirements of the Control of Pollution (Oil Storage) Regulations. The use and storage of chemicals and fuels will also be controlled and monitored under the Onshore CEMP which will include, for example, protection from vandalism, procedures for good general construction site practices, environmental and waste	Control and management measures	Construction / Operation (Maintenance)	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			management procedures, regular vehicle checks, use of spill kits, correct waste storage and disposal, use of oil-water separators as necessary (for example, for drainage from refuelling areas). Any washing of vehicles or equipment will only take place in controlled areas, and wash waters will not be discharged into the water environment. The wash water will be treated and discharged to an approved location and in accordance with any relevant permitting requirements.				
GH06	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts from earthworks or materials movements	The control of earthworks or materials movement (including any re-use of materials) under appropriate Environmental Permits, exemptions or Contaminated Land: Applications in the Real Environment (CL:AIRE) 'The definition of Waste: The development industry Code of Practice (2011).	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GH07	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts on the water environment due to temporary dewatering	Any temporary dewatering activities during construction will be undertaken in accordance with EA guidance, and if required, an Abstraction Licence and Environmental Permit (for the discharge) and will be limited to the depth and time required to facilitate construction activities.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GH08	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts on receptors due to unexpected contamination	A protocol will be developed for dealing with any unexpected contamination. This will include consideration of potential impacts (both direct and indirect) from conatmination on nearby buried archaeolgoical remains.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GH09	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts on the water environment due to temporary dewatering	Where indicated in the ES, a Hydrogeological Risk Assessment will be undertaken during detailed design to assess the specific risks to groundwater and groundwater receptors at those locations and identify any additional mitigation or remediation that may be required. The Hydrogeological Risk Assessment should include considerations of dewatering (where this is required) on archaeological remains. The nature and scope of any mitigation or	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			remediation will be agreed with the Environment Agency or other stakeholders prior to construction, as appropriate.				
GH10	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts on the water environment due to the breakout of drilling fluids	The provision of a drilling fluid management plan, that includes drilling fluid breakout mitigation measures, where horizontal directional drilling is proposed. This plan will include consideration of potential impacts on nearby archaeological remains (both direct and indirect) as a result of drilling fluid breakout. The plan will be developed by the contractor and included within the Offshore and Onshore CEMPs. All relevant permits will be obtained or exemption/exclusions registered by the Main Works Contractor(s) for the use of drilling fluids / additives, as applicable.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
GH12	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impacts on sensitive groundwater features	Sensitive routeing and siting of infrastructure and temporary works as to avoid sensitive features such as groundwater Source Protection Zone (SPZ) 1, where possible. A risk assessment will be undertaken if the most vulnerable areas cannot be avoided.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
GH13	Application Document 6.2.2.5 Part 2 Suffolk Chapter 5 Geology & Hydrogeology and Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology & Hydrogeology	Impact from geotechnical hazards	The Proposed Project incorporates suitable consideration of the ground conditions in the design based on data from site specific ground investigation and assessment, and therefore any risks from ground instability, chemical aggressivity of the ground, ground gases and radon reports would be considered within the engineering design of the new infrastructure in accordance with best practice.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Agriculture and soils							
AS01	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Impacts on soils due to poor management	The Outline Soil Management Plans set out specific guidance in relation to soil handling, including, soil stripping, soil stockpiling and soil reinstatement. These will be updated to Soil Management Plans prior to construction, to include information from soil and agricultural land classification (ALC) surveys. Measures	Control and management measures	Construction	Application Document 7.5.10.1 Outline Soil Management Plan – Suffolk Application Document 7.5.10.2 Outline Soil	DCO Schedule 3, Requirement 6 Soil Management Plan – Suffolk DCO Schedule 3, Requirement 6 Soil

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			will include but not be limited to the following: • pre-construction surveys in accordance with published guidance to confirm ALC grade and soil type; • how topsoil and subsoil will be stripped and stockpiled; • suitable conditions for when handling soil will be undertaken, for example avoiding handling of waterlogged soil; • indicative soil storage locations; • how soil stockpiles will be designed taking into consideration site conditions and the nature/composition of the soil; • specific measures for managing sensitive soils; • suitable protective surfacing where soil stripping can be avoided, and weed suppression encouraged, based on sensitivity of the environment and proposed works; • approach to reinstating soil that has been compacted, where required; and • details of measures required for soil restoration, including target specification for the proposed end uses.			Management Plan - Kent	Management Plan – Kent
AS02	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Impact on soil conditions following construction	Where land is being returned to agricultural use, the appropriate soil conditions (for example through the replacement of stripped layers and the removal of any compaction) will be recreated. This will be achieved to a depth of 1.2 m (or the maximum natural soil depth if this is shallower) except over buried cables where the reinstated soil depth will be a minimum of 0.9 m. This will aim to restore land to the pre-construction ALC grade (unless otherwise agreed with the landowner).	Control and management measures	Construction	Application Document 7.5.10.1 Outline Soil Management Plan – Suffolk Application Document 7.5.10.2 Outline Soil Management Plan - Kent	DCO Schedule 3, Requirement 6 Soil Management Plan – Suffolk DCO Schedule 3, Requirement 6 Soil Management Plan – Kent
AS03	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture &	Disruption to access during construction works	Access to and from residential, commercial, community and agricultural land uses will be maintained throughout	Control and management measures	Construction	Application Document 7.5.10.1 Outline Soil	DCO Schedule 3, Requirement 6 Soil

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils		the construction period or as agreed through the landowner discussions. This may require signed diversions or temporary restrictions to access. The means of access to affected properties, facilities and land parcels will be communicated to affected parties at the start of the project, with any changes communicated in advance of the change being implemented. Where field-to-field access points require alteration as a result of construction, alternative suitable field access will be provided in consultation with the landowner/occupier.			Management Plan – Suffolk Application Document 7.5.10.2 Outline Soil Management Plan - Kent	Management Plan – Suffolk DCO Schedule 3, Requirement 6 Soil Management Plan – Kent
AS04	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Risk to livestock water supplies during construction works	Existing water supplies for livestock and irrigation will be identified pre-construction. Where supplies will be lost or access compromised by construction works, temporary alternative supplies will be provided. Water supplies will be reinstated following construction.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
AS05	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Impacts to agricultural land drainage during construction works	Consultation with affected landowners will be carried out to investigate the current extent of land drainage which will be taken into account in the development of the Drainage Management Plan (see W14) prior to construction, with the intent of maintaining the efficiency of the existing land drainage system.	Control and management measures	Construction	Application Document 7.5.10.1 Outline Soil Management Plan – Suffolk Application Document 7.5.10.2 Outline Soil Management Plan - Kent	DCO Schedule 3, Requirement 6 Soil Management Plan – Suffolk DCO Schedule 3, Requirement 6 Soil Management Plan – Kent
AS06	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Discovery of animal bones during construction works	Should animal bones be discovered during construction, which may indicate a potential burial site, works will cease, and advice will be sought from the Animal Health Regional Office on how to proceed, relevant to the origin and age of the materials found.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
AS07	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Risk of outbreak of disease during construction works	All movement of plant and vehicles between fields will cease in the event of a notification by the Department for Environment, Food and Rural Affairs (Defra) of a disease outbreak in the vicinity of the site that requires the cessation of activities. Advice will be sought from Defra in order to develop suitable working methods required to	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			reduce the biosecurity risk associated with the continuation of works.				
AS08	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Changes to drainage pathways due to trench excavations	Clay bungs or other vertical barriers will be constructed within trench excavations where deemed necessary by a suitably experienced person, to prevent the creation of preferential drainage pathways.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
AS09	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Impacts on agricultural land and soils	Sensitive routeing and siting of infrastructure and temporary works to reduce impacts on agricultural land and soils.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
AS10	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Permanent landtake from agricultural land	Rationalisation of the design to minimise permanent land take requirements from agricultural land.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
AS11	Application Document 6.2.2.6 Part 2 Suffolk Chapter 6 Agriculture & Soils and Application Document 6.2.3.6 Part 3 Kent Chapter 6 Agriculture & Soils	Impacts on agricultural land and soils	The temporary nature of many of the construction activities and the subsequent restoration of the land and its return to the preconstruction use is likely to result in the avoidance of long-term impacts on agricultural and soil receptors.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
AS12	Application Document 9.83 Code of Construction Practice	Impact on vegetation reinstatement	Where arable field margin and acid grassland reinstatement will occur, the top 10 cm of topsoil will be stored separately from the remaining topsoil to ensure it is replaced last.	Control and management measure	Construction	Application Document 9.83 Code of Construction Practice	DCO Schedule 3, Code of Construction Practice
Traffic and Transport							
TT01	Application Document 6.2.2.7 Part 2 Suffolk Chapter 7 Traffic and Transport and Application Document 6.2.3.7 Part 3 Kent Chapter 7 Traffic and Transport	Impacts on receptors from traffic and transport changes during construction	The Outline CTMTPs identify measures to reduce route and journey mileage to and from and around site, and prevent nuisance to the residents, businesses and the wider community caused by parking, vehicle movements and access restrictions. They also provide suitable control for the means of access and egress to the public highway and set out measures for the maintenance and	Control and management measures	Construction	Application Document 7.5.1.1 Outline Construction Traffic Management and Travel Plan – Suffolk Application Document 7.5.1.2 Outline Construction	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Suffolk DCO Schedule 3, Requirement 6

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			upkeep of the public highway. The plans also identify access for emergency vehicles. They also set out measures to reduce safety risks through construction vehicle and driver quality standards and measures to manage abnormal loads.			Traffic Management and Travel Plan – Kent	Construction Traffic Management and Travel Plan – Kent
TT02	Application Document 6.2.2.7 Part 2 Suffolk Chapter 7 Traffic and Transport and Application Document 6.2.3.7 Part 3 Kent Chapter 7 Traffic and Transport	Non-compliance with CTMTP measures leading to adverse impacts on traffic and transport	The contractor(s) will implement a monitoring and reporting system to check compliance with the measures set out within the Outline CTMTPs. This will include the need for a Global Positioning System (GPS) tracking system to be fitted to Heavy Goods Vehicles to check for compliance with authorised construction routes. The contractor(s) will also be expected to monitor the number of construction vehicles between the site and the strategic road network. Deviations from the authorised routes or changes to traffic levels that are higher than the CTMTP assumptions will require discussion with the relevant highways authorities to determine whether additional mitigation measures are needed.	Control and management measures	Construction	Application Document 7.5.1.1 Outline Construction Traffic Management and Travel Plan – Suffolk	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Suffolk
						Application Document 7.5.1.2 Outline Construction Traffic Management and Travel Plan – Kent	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Kent
TT03	Application Document 6.2.2.7 Part 2 Suffolk Chapter 7 Traffic and Transport and Application Document 6.2.3.7 Part 3 Kent Chapter 7 Traffic and Transport	Disruption to public right of way (PRoW) network during construction works	All designated Public Rights of Way (PRoWs) will be identified, and any potential temporary and/or permanent diversions applied for/detailed in the DCO. All designated PRoWs crossing the working area will be managed with access only closed for short periods while construction activities occur. Any required diversions will be clearly marked at both ends with signage explaining the diversion, the duration of the diversion (for temporary diversions) and a contact number for any concerns. This is outlined in the Outline Public Rights of Way Management Plans.	Control and management measures	Construction	Application Document 7.5.9.1 Outline Public Rights of Way Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Public Rights of Way (PRoW) Management Plan – Suffolk
						Application Document 7.5.9.2 Outline Public Rights of Way Management Plan – Kent	DCO Schedule 3, Requirement 6 Public Rights of Way (PRoW) Management Plan – Kent
TT04	Application Document 6.2.2.7 Part 2 Suffolk Chapter 7 Traffic and Transport and Application Document 6.2.3.7 Part 3 Kent Chapter 7 Traffic and Transport	Impacts on receptors from traffic and transport changes during construction (Sundays/Bank Holidays)	The Proposed Project is not anticipated to have any traffic and transport impacts on Sundays/Bank Holidays with the restrictions identified in the Outline CTMTPs, which includes limiting HGV activity to a maximum of 30 HGVs per day on Sundays and public holidays.	Control and management measures	Construction	Application Document 7.5.1.1 Outline Construction Traffic Management and Travel Plan – Suffolk	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
						Application Document 7.5.1.2 Outline Construction Traffic Management and Travel Plan – Kent	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Kent
Noise and Vibration							
NV01	Application Document 6.2.2.9 Part 2 Suffolk Chapter 9 Noise and Vibration and Application Document 6.2.3.9 Part 3 Kent Chapter 9 Noise and Vibration	Impacts on noise sensitive receptors	Construction working will be undertaken within the agreed working hours set out within the DCO. Best practicable means (e.g. screening) to reduce construction noise will be set out within the CEMP and Construction Noise and Vibration Management Plan (NVMP), which will be substantially in accordance with the Outline Construction Noise and Vibration Management Plan (OCNVMP).	Control and management measures	Construction		DCO Schedule 3, Requirement 7 Construction hours
						Application Document 7.5.8.1 Outline Construction Noise and Vibration Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Construction Noise and Vibration Management Plan (NVMP) – Suffolk
						Application Document 7.5.8.2 Outline Construction Noise and Vibration Management Plan – Kent	DCO Schedule 3, Requirement 6 Construction Noise and Vibration Management Plan (NVMP) – Kent
NV02	Application Document 6.2.2.9 Part 2 Suffolk Chapter 9 Noise and Vibration and Application Document 6.2.3.9 Part 3 Kent Chapter 9 Noise and Vibration	Impacts on noise sensitive receptors	Construction traffic routes, access tracks, and construction haul routes will be surveyed for damage and irregularities (e.g. potholes) that may lead to vibration from construction traffic. Access tracks and construction haul routes will be well maintained.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
NV03	Application Document 6.2.2.9 Part 2 Suffolk Chapter 9 Noise and Vibration and Application Document 6.2.3.9 Part 3 Kent Chapter 9 Noise and Vibration	Impacts on noise sensitive receptors	The contractor will conduct detailed construction noise and vibration assessments to determine whether there are likely to be any new or different significant adverse effects at noise and vibration sensitive receptors and therefore whether additional measures, including site-specific Best Practicable Means (BPM), may be required. The contractor will update the OCNVMP into the CNVMP and include site specific noise and vibration mitigation, as may be required.	Control and management measures	Construction	Application Document 9.83 Outline Code of Construction Practice Application Document 7.5.8.1 Outline Construction Noise and Vibration Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 6 Construction Noise and Vibration Management Plan (NVMP) – Suffolk DCO Schedule 3, Requirement 6

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
						Application Document 7.5.8.2 Outline Construction Noise and Vibration Management Plan - Kent	Construction Noise and Vibration Management Plan (NVMP) – Kent
NV04	Application Document 6.2.2.9 Part 2 Suffolk Chapter 9 Noise and Vibration and Application Document 6.2.3.9 Part 3 Kent Chapter 9 Noise and Vibration	Impacts on noise sensitive receptors	For routine and more substantial maintenance activities, the contractor will conduct a proportionate assessment of potential noise and vibration impacts, as may be required. Where applicable, mitigation measured will be incorporated into the works to reduce the effects from noise and vibration.	Control and management measures	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
NV05	Application Document 6.2.2.9 Part 2 Suffolk Chapter 9 Noise and Vibration and Application Document 6.2.3.9 Part 3 Kent Chapter 9 Noise and Vibration	Impacts on noise sensitive receptors	For decommissioning activities, the contractor will conduct a proportionate assessment of potential noise and vibration impacts, as may be required. Where applicable, mitigation measured will be incorporated into the works to reduce the effects and noise and vibration.	Control and management measures	Decommissioning	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
NV06	Application Document 6.2.2.9 Part 2 Suffolk Chapter 9 Noise and Vibration and Application Document 6.2.3.9 Part 3 Kent Chapter 9 Noise and Vibration	Impacts on noise sensitive receptors	Sensitive routeing and siting of infrastructure and temporary works to avoid or reduce impacts on noise sensitive receptors.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Air Quality							
AQ01	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from dust emissions	Develop and implement an Air Quality Management Plan (AQMP) approved by the Local Authority.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ02	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and	Impacts on sensitive receptors from dust emissions	Monitoring • Undertake daily on-site and off-site inspection, where receptors (including	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality	DCO Schedule 3, Requirement 6 Air

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality		roads) are nearby, to monitor dust, record inspection results, and make the log available to the Local Authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100 m of site boundary, with cleaning to be provided if necessary. • Carry out regular site inspections to monitor compliance with the AQMP, record inspection results, and make an inspection log available to the local authority when asked. • Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions. • Agree dust deposition, dust flux, or real-time PM_{10} continuous monitoring locations with the Local Authority. Where possible, commence baseline monitoring at least three months before work commences on site or, if it a large site, before work on a phase commences.			Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ03	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from dust emissions	Preparing and maintaining the site: • Erect solid screens or barriers around dusty activities or the site boundary so that they are at least as high as any stockpiles on site. • Fully enclose site or specific operations where there is a high potential for dust production and the site is active for an extensive period. • Keep site fencing, barriers and scaffolding clean using wet methods. • Remove materials that have a potential to produce dust from site as soon as possible, unless being re-used on site. If they are being re-used on-site, cover as described below.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
AQ04	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from dust emissions	Operating vehicle/machinery and sustainable travel: • Avoid the use of diesel or petrol powered generators and use mains electricity or battery powered equipment where practicable. • Impose and signpost a maximum-speed-limit on unsurfaced haul roads and work areas. • Hold regular liaison meetings with other high risk construction sites within 500 m of the site boundary, to ensure plans are co-ordinated to minimise dust and particulate matter emissions and to understand the interactions of the off-site transport/deliveries which might be using the same strategic road network routes.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ05	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from dust emissions	Operations: • Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems. • Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation, using non-potable water where possible and appropriate. • Use enclosed chutes and conveyors and covered skips. • Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ06	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from dust emissions	Earthworks: • Use Hessian, mulches or trackifiers where it is not possible to re-vegetate or cover with topsoil, as soon as practicable. • Only remove the cover in small areas during work and not all at once.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
						Outline Air Quality Management Plan – Kent	Quality Management Plan – Kent
AQ07	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from dust emissions	Construction: • Avoid scabbling (roughening of concrete surfaces) if possible. • Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless this is required for a particular process, in which case ensure that appropriate additional control measures are in place. • Ensure bulk cement and other fine powder materials are delivered in enclosed tankers and stored in silos with suitable emission control systems to prevent escape of material and overfilling during delivery. • For smaller supplies of fine powder materials ensure bags are sealed after use and stored appropriately to prevent dust.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ08	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on sensitive receptors from dust caused by trackout	Trackout: • Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport. • Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable. • Record all inspections of haul routes and any subsequent action in a site log book. • Install hard surfaced haul routes, which are regularly damped down with fixed or mobile sprinkler systems, or mobile water bowsers and regularly cleaned where possible.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ09	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document	Impacts on sensitive receptors as a result of Non-Road Mobile Machinery (NRMM) emissions	Ensure all equipment complies with the appropriate Non-Road Mobile Machinery (NRMM) standards. Use stage 4 NRMM as a minimum and stage 5 where possible. Additionally, where possible, use	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	6.2.3.8 Part 3 Kent Chapter 8 Air Quality		alternative / renewable energy to power NRMM.			Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ10	Application Document 6.2.2.8 Part 2 Suffolk Chapter 8 Air Quality and Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impacts on air quality impacts sensitive receptors	Sensitive routeing and siting of infrastructure and temporary works to avoid or reduce air quality impacts on sensitive receptors.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
AQ12	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	Impacts on sensitive receptors from dust emissions	Weather forecasts will be checked on a daily basis. Should periods of particularly dry or windy weather be forecast, dust mitigation measures would be reviewed and where possible high-risk activities will be rescheduled to minimise air quality impacts on sensitive receptors.	Control and management measure	Construction	Application Document 7.5.6.1 Outline Air Quality Management Plan – Suffolk Application Document 7.5.6.2 Outline Air Quality Management Plan – Kent	DCO Schedule 3, Requirement 6 Air Quality Management Plan – Suffolk DCO Schedule 3, Requirement 6 Air Quality Management Plan – Kent
AQ13			Site logs will include a list of NRMM being used, with confirmation that they all meet stage IV/V emissions.				
AQ14			The Air Quality Management Plan will be reviewed and updated throughout the construction phase of the project as necessary, based on monitoring results				
Socio-economics, Recreation and Tourism							
SE01	Application Document 6.2.2.10 Part 2 Suffolk Chapter 10 Socio-Economics, Recreation, and Tourism and Application Document 6.2.3.10 Part 3 Kent Chapter 10 Socio-Economics, Recreation, and Tourism	Impacts on socio-economics, recreation and tourism receptors	Sensitive routing and siting of infrastructure and temporary works to avoid or reduce impacts on socio-economics, recreation and tourism receptors	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Health and Wellbeing							
HW01	Application Document 6.2.2.11 Part 2 Suffolk Chapter 11 Health & Wellbeing and Application Document 6.2.3.11 Part 3 Kent	Impacts on health and wellbeing receptors	Sensitive routeing and siting of infrastructure and temporary works to avoid or reduce impacts on health and wellbeing receptors.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Chapter 11 Health & Wellbeing					Commitments (REAC)	
Climate Change							
CC01	Application Document 6.2.5.1 Part 5 Combined Chapter 1 Climate Change	Climate change effects	Sensitive routeing and siting of infrastructure and temporary works, to avoid or reduce climate change effects	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
CC02	Application Document 6.2.5.1 Part 5 Combined Chapter 1 Climate Change	Embodied carbon as a result of the Proposed Development	National Grid will work to reduce carbon across the project in line with National Grid policy. National Grid is looking to be carbon neutral in construction by 2026 and support Net Zero by 2050.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
CC03	Application Document 6.2.5.1 Part 5 Combined Chapter 1 Climate Change	Operational carbon as a result of the Proposed Development	The Applicant is proposing to use both SF6-insulated and SF6-free equipment for the project. This is primarily driven by the availability of SF6-free circuit breakers. However, GIS manufacturers now produce switchgear that have no or minimal leakage.	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
CC04	Application Document 6.2.5.1 Part 5 Combined Chapter 1 Climate Change	Embodied carbon as a result of the Proposed Development	Low carbon construction techniques, including low-carbon plant, vehicles and equipment, will be used, where appropriate, in line with National Grid policy.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
CC05	Application Document 6.2.5.1 Part 5 Combined Chapter 1 Climate Change	Climate change resilience	Designing the Proposed Project to be resilient to any significant effects of climate change.	Embedded	Operation	Application Document 7.12.1 Design Principles - Suffolk Application Document 7.12.2 Design Principles - Kent	DCO Schedule 3, Requirement 3
CC06	Application Document 6.2.5.1 Part 5 Combined	Effects from Greenhouse Gas emissions	The GHG management process detailed in Application Document 7.5.13 Greenhouse Gas Reduction Strategy. The	Embedded	Construction and Operation	Application Document 7.5.13	DCO Schedule 3, Requirement 5

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Chapter 1 Climate Change		GHG Reduction Strategy sets out how the GHG emissions associated with the Proposed Project should be managed and reduced, including a framework for identifying and prioritising GHG reduction opportunities.			Greenhouse Gas Reduction Strategy	Greenhouse Gas Reduction Strategy
Arboriculture							
A01	Application Document 6.10 Arboricultural Impact Assessment	Impacts to retained trees from tree works	All tree work will follow the principles of BS3998:2010 Treework – Recommendations (BS3998:2010) (British Standards Institute) and will be carried out by suitably qualified and insured contractors.	Control and management measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
A02	Application Document 6.10 Arboricultural Impact Assessment	Dangerous trees that pose a safety risk to infrastructure constructed as part of the Proposed Project during the construction period, and during operation	A pre-construction check will be undertaken of trees within the Order Limits and remedial works actioned where appropriate (e.g. where they pose an unacceptable risk to people or property). Trees will be monitored during the construction period, and during operation where they pose a risk to infrastructure constructed as part of the Proposed Project. All staff operating on the Site are to be made aware of the need to look out for obvious signs of tree defects and to report them to the Site Manager who will seek further advice as necessary.	Control and management measure	Construction and Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
A03	Application Document 6.10 Arboricultural Impact Assessment	Physical damage to retained trees from plant or machinery during the construction phase of the Proposed Project	A banksman will be used where the movement of plant or long reach machinery occurs within 5m of any part of a retained tree to ensure no damage is sustained. Works within 5m of any part of a retained tree should only occur if they cannot be avoided.	Control and management measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
A04	Application Document 6.10 Arboricultural Impact Assessment	Impacts to retained trees and/or ancient woodland and its buffer zone from the storage or mixing of materials within or in proximity to RPAs or ancient woodlands buffer zone. This could include increases to soil levels or the run off or inadvertent spillage of toxic substances within RPAs or into ancient woodland and its buffer zone.	All storage or mixing of materials will take place in agreed allocated areas at least 5 m from the edge of the RPA of retained trees and at least 5 m from the edge of an ancient woodland buffer zone.	Control and management measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
A05	Application Document 6.10 Arboricultural Impact Assessment	Loss of veteran or ancient trees	Retention of all veteran and ancient trees within or immediately adjacent to the Order Limits.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
A06	Application Document 6.10 Arboricultural Impact Assessment	Requirements for additional tree works not specified in the Arboricultural Method Statement and final Tree Protection Plans	All tree works required which are not identified within the Arboricultural Method Statement and final Tree Protection Plans will require consent from the relevant local planning authority.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows

Table 1.2 Register of Environmental Actions and Commitments – Suffolk Onshore Scheme

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
General Project Commitments (i.e. relates to more than one environmental topic)							
GG33	Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Project	Impacts from establishment and use of construction compound	Not all of the proposed construction compounds S02, S03, S04 and S05 would be required for the Proposed Project's Saxmundham Converter Station site. Either S02, S03, or a combination of both S04 and S05 would be used. This flexibility is included to provide flexibility for National Grid Ventures to locate their own converter station and construction compound for the proposed LionLink and Nautilus projects within this area.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Onshore Register of Environmental Actions and Commitments (REAC)
GG34	Application Document 6.2.1.4 Part 1 Introduction Chapter 4	Environmental impacts from the operation of Friston Substation	Friston Substation described in Work No. 1B should be designed to be in general accordance with the Key Design Principles set out in Table	Embedded	Operation	Application Document 9.84 Register of Environmental Actions	DCO Schedule 3, Requirement 6 Register of

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Description of the Proposed Project Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual		4.1 of the Design Principles – Suffolk (Application Document 7.12.1).			and Commitments (REAC)	Environmental Actions and Commitments (REAC)
GG37	Application Document 9.83 Code of Construction Practice	Inter-project cumulative effects	National Grid are to align working hours for the Proposed Project's Works No. 1A and 1B (the National Grid substation at Friston Kiln Lane and associated overhead line works) set out in Application Document 3.1 draft Development Consent Order [AS-012] superseded by [AS-087] with the working hours secured in the SPR East Anglia One (North) and East Anglia Two DCOs.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Landscape and Visual							
LV03	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual	Impacts on landscape and views from failure of reinstatement and mitigation planting	As set out within the Outline LEMP for Suffolk, a five-year aftercare period will be established for all reinstatement and mitigation planting along the HVDC and HVAC cable corridors. For the Suffolk Onshore Scheme, all planting associated with the Fromus Bridge, permanent access track, Friston substation (under Scenario 2) and Saxmundham converter station will be managed and maintained for the life time of the asset.	Control and Management Measure	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan - Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk
LV08	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual	Loss of habitat within the Site of Special Scientific Interest (SSSI): Leiston – Aldeburgh and North Warren RSPB Reserve.	The installation method for the Suffolk Landfall is a trenchless technique to minimise the loss of habitat within the Site of Special Scientific Interest (SSSI): Leiston – Aldeburgh and North Warren RSPB Reserve.	Embedded	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan - Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk
LV09	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual	Impacts on the Area of Outstanding Natural Beauty (AONB) due to the landfall and HVDC cables	The temporary works within the AONB associated with the landfall and HVDC would be fully reinstated in accordance with Control and Management Measures and further outlined in Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan – Suffolk.	Embedded	Construction	Application Document 7.12.1 Design Principles - Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
LV10	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual	Impacts on landscape and visual receptors due to the Saxmundham Converter Station	Locating the Saxmundham Converter Station as far as practicable within the southern extent of the site, away from the B1119 and the gateway approach into Saxmundham and to maximise the opportunity for landscape integration planting and screening to improve landscape fit and minimise visual impact.	Embedded	Operation	Application Document 7.12.1 Design Principles - Suffolk	DCO Schedule 3, Requirement 3
LV11			Consideration of the orientation and massing of the Saxmundham Converter Station in order that existing landscape features can be retained and enhanced (woodland, hedgerow planting).				
LV12			Designing and arranging the converter station to be sympathetic to their surroundings and be integrated into the landscaped setting of the site. Buildings to be clad in appropriate materials and colours designed to appear recessive within the landscape, to help integrate the building into the landscape and views.				
LV13	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual	Impacts on landscape and visual receptors due to the Saxmundham Converter Station (including River Fromus Crossing)	Implementation of the outline landscape strategy for the Saxmundham Converter Station in line with the following principles: • Integrate the Suffolk Onshore Scheme into the existing landscape pattern as far as practicable by utilising and following existing features, including vegetation; • Replace habitat lost as a result of construction of the Suffolk Onshore Scheme and enhance habitats through the creation of woodland, hedgerow, grassland and riparian habitats; • Protect existing vegetation wherever possible, including the veteran and ancient trees at the River Fromus bridge crossing;	Embedded	Operation	Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan – Suffolk Application Document 7.5.7.1.1 Saxmundham Converter Station Outline Landscape Mitigation within Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			• Strengthen the existing landscape framework of the site, extending and enhancing the woodland planting along the western and southern boundaries with native woodland planting to provide structural screening to the Saxmundham Converter Station; • Introduce native hedgerow and tree planting along sections of the B1119 to partially screen views of the Saxmundham Converter Station whilst maintaining some views of the planted edge of Saxmundham (identified in the Saxmundham Neighbourhood Plan as an important aspect of the setting and in views when approaching along the B1119 from the east). • To consider opportunities for providing permissive access across the Saxmundham Converter Station site and establishing an attractive amenity value for users of the permanent PRoW diversions. • To provide an integrated drainage solution with attenuation ponds planted with marginal wetland species set within a wider context of native scrub planting to improve the biodiversity value across the site. • To strengthen areas of existing planting to provide greater biodiversity and screening function around the River Fromus Bridge. • To establish native woodland planting within the areas previously planted with willow plantation to integrate and partially screen views of the River Fromus Bridge within the valley landscape;				

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			• To integrate the permanent access route within the historic parkland landscape with hedgerow and occasional tree planting; • To consider opportunities for advanced planting to provide early establishment of woodland planting; and • Monitoring and maintenance of new planting and seeding to ensure successful establishment.				
LV14	Application Document 6.2.2.1 Part 2 Suffolk Chapter 1 Landscape and Visual	Impacts on landscape and visual receptors due to the River Fromus crossing	The River Fromus bridge design shall be as visually recessive as possible whilst conforming with the Critical Design Constraints, as set out in Application Document 7.12.1 Design Principles - Suffolk, noting two potential heights are currently illustrated in Drawing Reference DCO/S/DE/SS/1210 of the Application Document 2.13.1 of the Design Drawings - Suffolk. A technical statement, including plan, sections, elevations, and 3D renders of the bridge design in key view VP02 and CH02, should be prepared by National Grid, and submitted to the local planning authority to demonstrate compliance with the mitigation commitment, addressing the following key areas of design showing how they reduce impacts: • Relationship with the landscape mitigation proposals with aim to blend into the landscape, including planting of the banks to the ramps; • Selection of material, colour and texture palette, (in line with the process established in Design Principle ID.3 in Table 3.1 of Application Document 7.12.1 Design Principles - Suffolk), including material and colour samples;	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan - Suffolk	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			• Articulation of the spanning structure for slenderness and elegance; • Design of the abutment walls to soften their appearance; and • Parapet railings that are as open as possible to reduce the apparent height of the bridge.				
Ecology and Biodiversity							
B19	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts from polarised light pollution on the River Fromus	A light-coloured rough textured surface to the proposed crossing of the River Fromus will be considered as part of the crossing design/specification in order to mitigate reflected polarised light pollution.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B20	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts from loss of habitats	Creation of 21 ha of woodland, 6.9 ha species rich neutral grassland, 1.5 ha of native hedgerow and 0.8 ha and of balancing pond habitat around the Saxmundham Converter Station and Friston Substation (for the scenario where the substation is built as part of the Proposed Project) The final habitat creation proposals will be developed through the final Landscape and Ecological Management Plan so may deviate from areas/ habitats presented here.	Embedded	Construction	Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk
B21	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts on Sandlings SPA or Leiston-Aldeburgh SSSI	HVDC cables would be installed using a trenchless technique at the landfall to avoid direct impacts on Sandlings SPA or Leiston-Aldeburgh SSSI	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B22	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts to ecological receptors from having to retrieve drilling equipment	Measures to avoid the trenchless drilling equipment getting stuck.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B23	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Disturbance impacts on ecological receptors	Best practical means such as noise fencing or similar effective noise reduction methods will be used around works areas where required to avoid significant disturbance. At the trenchless compound, fencing	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			will be used along with other measures as a noise mitigation measure to ensure noise levels and Sandlings SPA do not exceed 60 dB Lamax, and to prevent visual disturbance. Noise monitoring would be included adjacent to Sandlings SPA and Leiston-Aldeburgh SSSI to confirm the mitigation measures met the required noise thresholds.				
B24	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Disturbance of woodlark nests	Where the proposed works are to take place within arable fields or acid grassland, one of two approaches would be applied to the Suffolk Onshore Scheme to ensure no likely significant effects. First would be to clear crops from the fields between October to January inclusive before works commence and then ensure that vegetation is kept clear from those areas until construction starts in that area as any regrowth of vegetation could attract ground-nesting birds such as skylark and woodlark. The second approach is to agree with the landowner and/or tenant to leave the previous crop in the ground so that there is already a tall, dense crop in spring, which would deter ground-nesting birds from utilising that field. Where works are to take place in areas of acid grassland, the first of the two approaches would be utilised.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B25	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Disturbance impacts on ecological receptors	A watching brief would be introduced during vegetation clearance in the ditch west of the River Fromus. Displacement of water voles if any are encountered would occur under a Class Licence. This would restrict clearance of any locations where water voles are present to either 15 February to 15 April or 15 September to 31 October.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B26	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts on badgers	There will be no lighting near any badger setts and a 40 m setback between the identified badger sett and the construction compounds S04 and S08.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

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B27	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Disturbance to breeding nightjar and woodlark in the Sandlings Special Protection Area (SPA)	Seasonal restriction on compound set-up for the trenchless bore such that it occurs outside the nesting season (February to August). The most potentially disturbing elements of trenchless installation (set up of trenchless compound S10) will take place between September and January, to minimise disturbance of breeding nightjar and woodlark in the adjacent Sandlings SPA.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B28	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts from the loss of acid grassland	Enhancement of 6 ha of acid grassland to be managed in an enhanced manner for 10 years	Additional	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B29	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts on the orchid population	During works in the broadleaved plantation east of the proposed Saxmundham Converter Station the cable route will be micro-sited to avoid the orchid population wherever possible, using an ecologist providing guidance on the ground.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B30	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Disturbance to Bats	A minimum 20 m setback of construction compounds from the hedge used by barbastelle which connects Important Hedgerows 3 and 5 as shown in **Application Document 6.4.2.2.A.7 Suffolk Important Hedgerows** will be instituted.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B31	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Habitat Loss	For Important Hedgerows (and particularly Hedgerows 3 and 5 as shown in **Application Document 6.4.2.2.A.7 Suffolk Important Hedgerows** if compound options S04 and S05 are selected, and Hedgerow 23 adjacent to Friston Substation) the hedgerows would need to be fenced to avoid incidental damage	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B32	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity Application Document 6.9 Water Framework Directive	Impacts on riparian habitat	Riparian habitat improvement along River Fromus through riparian planting. Deliver enhancement of an approximately 500 m stretch of the riparian corridor along the River Fromus from approximate grid	Additional	Operation	Application Document 7.5.7.1 Outline Landscape and Ecological Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			references TM 38806 62412 to TM 38825 61847. Within this stretch (although not for its entire length) there will be reprofiling of selected areas of the banks of the River Fromus at specific locations (where it would not, for example, require displacement of water voles) to create an approximately 50 cm wide berm just above the typical summer water level. This berm will be planted with riparian vegetation. This will enhance the value of the River Fromus since this stretch of the river has little riparian emergent vegetation. The replanting will be focused on the new bridge, partly in order to improve connectivity beneath the bridge structure; however, other stretches will also be diversified.				
B33	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts on nesting sites	Three wicker baskets placed in trees at least 200 m from the Order Limits to provide undisturbed nest locations for hobby before the breeding season commences.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B34	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Disturbance to barn owl	Movement of barn owl nest box near the River Fromus bridge further south and two additional nest boxes added. The barn owl box north of compound S08 would either be moved when it is not occupied to ensure it is located at least 100m from the compound, or additional barn owl boxes will be erected and the compound established when barn owls are not nesting.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B35	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Disturbance of nesting woodlark outside the SPA	To avoid disturbance of nesting woodlark outside the SPA, works close to known nesting areas will be commenced during the winter so there is already activity before the nesting season; the birds will then choose alternative nesting locations. In addition, there will be continued monitoring for woodlark throughout out the nesting season (February-August) by experienced ecologists. If singing males are present the site	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

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			manager will be notified and steps taken to introduce construction works in the area prior to a nest being established. If a nesting pair is found to be present in the vicinity of construction, then the ecologist will consider the likely location of the nest alongside proposed works planned in the area. Appropriate stand off buffers will be implemented if works are to significantly vary from those already occurring and will remain in place until either the works are completed or an active nest and/or fledged chicks are no longer present. If necessary, advice will be sought from Natural England.				
B36	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Fragmentation of hedgerows and/or woodland belts	Larger gaps in hedgerows or woodland belts would be reduced to 10 m maximum during the night by hurdles or similar.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B37	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Fragmentation of environmental corridors	The gap for access traversing the hedgerow that runs north from Broomfield's Covert will be kept to 10 m maximum.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B38	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts from light pollution	Around construction compounds and the converter station and substation works areas, direct illumination of boundary features would be avoided. Lighting would be designed to comply with published guidelines, specifically, 'Bats and Artificial Lighting in the UK' Guidance Note (GN 08 / 23). The lighting design would be delivered by a suitably qualified lighting professional.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B39	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Impacts from light pollution	Permanent operational lighting would be directed to the interior of the Converter Station, and on as low a column height as possible, with measures such as hoods or cowls implemented where required to avoid light spill onto Bloomfield's Covert woodland and immediately surrounding habitat.	Additional	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
B40	Application Document 6.2.2.2 Part 2 Suffolk Chapter 2 Ecology and Biodiversity	Loss of arable land for ground nesting farmland birds	Management of 12 ha of arable land for ground nesting farmland birds, particularly skylark, maintained favourably for the lifetime of the Proposed Project.	Additional	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B60	Application Document 7.3 Design Development Report - Appendix A Landfall HDD Feasibility Technical Note	Impacts of potential frac-out	National Grid will notify and consult ESC, Natural England (NE) and / or RSPB, as appropriate, of methods, locations, and routes for spotters and, in the unlikely event of a frac out, vehicles, personnel and equipment for remediation; and will take into consideration any comments received in relation to them. Spotters will be on foot except where using existing access tracks. There will be no vehicle access to shingle habitats.	Control and Management Measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B62	Application Document 9.83 Outline Code of Construction Practice	Impacts of HDD on SSSI	Pre-construction botanical surveys to support monitoring and mitigation of any impact of the Horizontal Directional Drilling (HDD).	Control and Management Measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B63	Application Document 9.83 Outline Code of Construction Practice	Impacts on shingle habitats	National Grid will inform Natural England and East Suffolk Council of any proposals to undertake additional groundwater investigation surveys on or adjacent to shingle habitats.	Control and Management Measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 84 Register of Environmental Actions and Commitments (REAC)
Cultural Heritage							
H05	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Locations of known archaeological interest/value to be preserved *in situ*, or areas where archaeological work is planned, would be signposted/fenced off to avoid unintentional damage.	Additional	Construction	Application Document 7.5.4.1 Outline Onshore Overarching Written Scheme of Investigation – Suffolk (Draft)	DCO Schedule 3, Requirement 14 Onshore Overarching Written Scheme of Investigation - Suffolk
H06	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Where a previously unknown heritage asset is discovered, or a known heritage asset proves to be more significant than predicted at the time of application for Development Consent, then the Archaeology Advisor for Suffolk County Council and Historic England should be informed and a solution agreed that protects the significance of the new discovery, so far as is practicable,	Additional	Construction	Application Document 7.5.4.1 Outline Onshore Overarching Written Scheme of Investigation – Suffolk (Draft)	DCO Schedule 3, Requirement 14 Onshore Overarching Written Scheme of Investigation - Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			within the Proposed Project parameters.				
H07	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Archaeological excavation, recording, and publication to be undertaken where archaeological features cannot be avoided. Scope of works to be agreed with the Archaeology Advisor for Suffolk County Council, and any other relevant heritage stakeholders, prior to works commencing in the relevant area and detailed in the Suffolk Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.	Additional	Construction	Application Document 7.5.4.1 Outline Onshore Overarching Written Scheme of Investigation – Suffolk (Draft)	DCO Schedule 3, Requirement 14 Onshore Overarching Written Scheme of Investigation - Suffolk
H08	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Archaeological Strip, Map, and Record, to be undertaken in pre-agreed areas of archaeological potential/features. Scope of works to be agreed with the Archaeology Advisor for Suffolk County Council, and any other relevant heritage stakeholders prior to works in the relevant area commencing and detailed in the Suffolk Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.	Additional	Construction	Application Document 7.5.4.1 Outline Onshore Overarching Written Scheme of Investigation – Suffolk (Draft)	DCO Schedule 3, Requirement 14 Onshore Overarching Written Scheme of Investigation- Suffolk
H09	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Archaeological Watching Brief to be undertaken in pre-agreed areas of archaeological potential/features. Scope of works to be agreed with the Archaeology Advisor for Suffolk County Council, and any other relevant heritage stakeholders prior to works commencing in the relevant area and detailed in the Suffolk Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.	Additional	Construction	Application Document 7.5.4.1 Outline Onshore Overarching Written Scheme of Investigation – Suffolk (Draft)	DCO Schedule 3, Requirement 14 Onshore Overarching Written Scheme of Investigation - Suffolk
H10	Application Document 6.2.2.3 Part 2 Suffolk Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Geoarchaeological modelling/profiling in areas of potential. Scope of works to be agreed with the Archaeology Advisor for Suffolk County Council, and any	Additional	Construction	Application Document 7.5.4.1 Outline Onshore Overarching Written Scheme of Investigation – Suffolk (Draft)	DCO Schedule 3, Requirement 14 Onshore Overarching Written Scheme of Investigation - Suffolk

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			other relevant heritage stakeholders prior to works commencing and detailed in the Suffolk Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.				
Water Environment							
W17	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment	Effects on water environment receptors	Sensitive routeing and siting of infrastructure and temporary works e.g. avoiding situating the proposed Saxmundham Converter Station and Friston Substation (the most vulnerable components of the Suffolk Onshore Scheme), and the proposed crossing of the River Fromus for access, in areas that are at risk of flooding (Flood Zones 2 and 3) and avoiding areas at high risk of surface water flooding.	Embedded	Construction and Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W18	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment	Effects on water environment receptors	A commitment to make landfall using a trenchless crossing technique beneath the Hundred River marshes and three ordinary watercourses that drain this area.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W19	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment	Effects on water environment receptors	Saxmundham Converter Station and Friston Substation would be served with drainage systems that embed SuDS for attenuation of runoff to green field runoff rates in line with the requirements of the receiving watercourse authorities (Internal Drainage Board, Environment Agency or Lead Local Flood Authority) and to provide treatment of runoff.	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W20	Application Document 6.2.2.4 Part 2 Suffolk Chapter 4 Water Environment	Effects on water environment receptors	Construction compounds, haul roads and bellmouths served by SuDS systems that would be constructed at the same time as the formation platform of these infrastructure (to reduce the risk of flooding during the construction stage) and which would include pollution controls to address the possibility of runoff contamination with oils and silts. Installation of filter	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			drains/swales/header drains along the perimeter of construction compounds/parallel to haul roads to intercept 'clean' runoff from the adjacent land.				
W26	Application Document 9.83 Outline Code of Construction Practice	Deterioration in surface water quality.	Where construction works are undertaken in proximity to the Hundred River and the River Fromus, which are of high sensitivity to water quality changes, regular visual monitoring for signs of water pollution would be undertaken by the Environmental Clerk of Works. If a change is observed and traced to a construction activity/source, field sampling of water quality would be undertaken and if pollution is confirmed, appropriate mitigation measures should be implemented to prevent further deterioration.	Control and Management Measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Geology and Hydrogeology							
GH14	Application Document 9.83 Outline Code of Construction Practice	Impact on geological feature	HDDs at Suffolk will exit East of the continual Coralline Crag outcrop	Embedded	Construction and Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 5 Register of Environmental Actions and Commitments (REAC)
Agriculture and Soils							
No specific mitigation measures additional to those already mentioned in Table 1.1.							
Traffic and Transport							
TT04	Application Document 6.2.2.7 Part 2 Suffolk Chapter 7 Traffic and Transport Application Document 6.3.1.4.A Appendix 1.4.A Crossings Schedules	Impact on PRoW	Sensitive routing and siting of infrastructure and temporary works including to minimise the requirement to close/divert PRoW.	Embedded	Construction and Operation	Application Document 7.5.9.1 Outline Public Rights of Way Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Public Rights of Way (PRoW) Management Plan – Suffolk
TT05	Application Document 6.2.2.7 Part 2 Suffolk Chapter 7 Traffic and Transport	Impacts on the highway and walking and cycling routes	Utilising trenchless methods at landfall (including underneath the Suffolk Coast Path, King Charles III England Coast Path, PRoW E-103/006/0 and Thorpe Road) to minimise potential impacts on the highway and walking/cycling routes.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

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TT06	Application Document 6.2.2.7 Part 2 Suffolk Chapter 7 Traffic and Transport	Impact on the highway network	Potential carriageway widening works, vegetation clearance and street furniture removal at the locations identified within the Outline CTMTP for Suffolk to accommodate construction vehicles (including Abnormal Indivisible Loads).	Embedded	Construction	Application Document 7.5.1.1 Outline Construction Traffic Management and Travel Plan – Suffolk	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Suffolk
TT11	Application Document 9.76.5 Change Request Addendum to Volume 6 Environmental Statement	Restricted local access	A shuttle/taxi service will be made available as embedded mitigation, so that residents who do not have access to a vehicle can continue to travel between Whitearch Park Residential Park Homes and nearby areas (e.g. Benhall and Saxmundham when the proposed temporary footway/footpath closures are in place on Benhall Bridge.	Control and Management Measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Suffolk
TT12	Application Document 9.76.5 Change Request Addendum to Volume 6 Environmental Statement	Restricted local access	Whilst the B1121 Main Road will be temporarily closed between the junctions with the A12 to the west and the B1121 Church Hill to the east of the temporary road closures on Benhall Bridge, local access will still be retained for residents and business in Benhall, including occupiers and/or users of the Whitearch Park Residential Park Homes and the Railway Farm Shop Vegetable Boxes, although there may be minor delays accessing businesses and properties at some times. Emergency services will not be delayed.	Control and Management Measure	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Air Quality							
No specific mitigation measures additional to those already mentioned in Table 1.1.							
Noise and Vibration							
NV07	Application Document 6.2.2.10 Part 3 Suffolk Chapter 10 Noise and Vibration	Impacts on noise sensitive receptors	Saxmundham Converter Station and Friston Substation will include appropriate noise mitigation measures in the design (e.g. plant selection, and transformer noise enclosures). Proposed substations and converter stations will be designed such that noise from their normal operation does not cause a significant adverse	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			effect at nearby noise sensitive receptors. Additionally, where feasible the substation and converter station designs will seek to achieve noise levels at nearby noise sensitive receptors in line with the aims of the local authorities, or otherwise as low as reasonably possible.				
NV08	Application Document 6.2.2.10 Part 3 Suffolk Chapter 10 Noise and Vibration	Impacts on noise sensitive receptors	Application of site-specific BPM (e.g. screening) to reduce levels of noise and vibration from potentially significant construction activities.	Additional	Construction	Application Document 7.5.8.1 Outline Construction Noise and Vibration Management Plan – Suffolk	DCO Schedule 3, Requirement 6 Construction Noise and Vibration Management Plan (NVMP) – Suffolk
		Socio-economics, Recreation and Tourism					
SE02	Application Document 6.2.2.10 Part 2 Suffolk Chapter 10 Socio-Economics, Recreation, and Tourism	To minimise potential impacts on walking/cycling routes.	Utilising trenchless methods at landfall (including underneath the Suffolk Coast Path, King Charles III England Coast Path, Footpath 103/006/0 and Thorpe Road) to minimise potential impacts on walking/cycling routes.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Health and Wellbeing							
No specific mitigation measures additional to those already mentioned in Table 1.1							
Arboriculture							
A07	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts to a high quality tree (T876S) from the construction of a permanent attenuation outfall pipe.	The final alignment of the permanent attenuation outfall pipe will avoid the area of constraint associated with T876S.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A08	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts or removal of a high quality tree (T821S) to facilitate the installation of the high voltage cable.	The final alignment of the high voltage cable will avoid the area of constraint associated with T821S.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
A09	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts or removal of T821S (high quality tree) and T822S (veteran tree) to facilitate the installation of a temporary clean water drain.	The final alignment of a temporary clean water drain will avoid the areas of constraint associated with T821S and T822S (veteran tree).	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A10	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts or removal of T522S and T525S two veteran trees to facilitate the installation of the permanent access road for Friston Substation.	The final alignment of the permanent access road for Friston Substation will avoid the areas of constraint associated with T522S and T525S two veteran trees.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A11	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts to the structure of the soil within RPAs of retained trees from all-terrain vehicles used for monitoring and maintenance access in wet conditions on soft ground.	Access required for monitoring and maintenance along informal access routes (e.g. field boundaries) in wet conditions within RPAs, will be achieved by pedestrian only access. Alternatively where all-terrain vehicle access is required, fit for purpose ground protection specified to the highest expected load in accordance with Application Document 6.10 Arboricultural Impact Assessment will be utilised to avoid negatively impacting the soil structure	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
A12	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts to the structure of the soil within the RPA of T45S (veteran tree) to facilitate construction access.	Fit for purpose ground protection specified to the highest expected load in accordance with Application Document 6.10 Arboricultural Impact Assessment will be utilised within the RPA of T45S (veteran tree) to avoid negatively impacting the soil structure.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A13	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts to the structure of the soil within the RPAs of T938S and T940S (veteran trees)	Access routes will be positioned as far from the tree stems of T938S and T940S (veteran trees) as possible and any incursion within the RPA will be managed with fit for purpose ground protection to the highest expected load in accordance with	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			Application Document 6.10 Arboricultural Impact Assessment to avoid negatively impacting the soil structure.			Arboricultural Method Statement	DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A14	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts to the structure of the soil within the RPAs of T103S and T107S (veteran trees) to facilitate infrequent pedestrian and all-terrain vehicle access.	Access within the RPAs of T103S and T107S (veteran trees) will be achieved by pedestrian only access. Alternatively where all-terrain vehicle access is required, fit for purpose ground protection specified to the highest expected load in accordance with Application Document 6.10 Arboricultural Impact Assessment will be utilised to avoid negatively impacting soil structure.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A15	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts or removal of T876S (category A tree) to facilitate the installation of a permanent attenuation outfall pipe.	The final alignment of the permanent attenuation outfall pipe will be positioned to avoid the RPA of T876S (category A tree).	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A16	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts or removal of T821S (category A tree) and T822S (veteran tree) to facilitate the installation of a temporary clean water drain.	The final alignment of the temporary clean water drain will be positioned to avoid the RPA of T821S (category A tree) and T822S (veteran tree)	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A17	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts or removal of third party trees to the west of Leiston Road which includes category A and B trees T147S, T148S, T152S, T1150S, T1151S, T1152S, T1154S, T1155S, T1156S, T1157S, T1158S, T1159S and T1160S.	At the detailed design the final alignment and installation method of the cable will be determined which will allow for the retention of all third-party trees with any potential impacts minimised or avoided.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows
A19	Application Document 9.76.5 Change Request Addendum to Volume 6 Environmental Statement	Loss of moderate and high quality tree features.	The final alignment of the cable and haul road will be positioned to avoid all moderate and high quality tree features within the Order Limits,	Embedded	Construction	Application Document 9.84 Register of Environmental Actions	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Mitigation commitment	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			including the identified veteran tree (T1227) adjacent to the Order Limits, in the vicinity of Change 3. These will be fully retained and protected in accordance with the tree protection fencing shown on Sheet 5 of **Application Document 9.76.5.9 Change Request Appendix I Tree Protection Plans Suffolk Onshore Scheme** submitted at Deadline 1A.			and Commitments (REAC)	DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows.
A20	Application Document 9.76.5 Change Request Addendum to Volume 6 Environmental Statement	Impacts to retained trees within W708S from proposed hedgerow planting.	All hedgerow planting within the area of constraint associated with W708S will be undertaken carefully, by hand with new hedgerow plants sited to avoid important tree roots. All access to facilitate hedgerow planting within the area of constraint associated with retained trees will be achieved in accordance with **Application Document 6.10 Arboricultural Impact Assessment.**	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and protection of existing trees and hedgerows

Table 1.3 Register of Environmental Actions and Commitments – Kent Onshore Scheme

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
GG35	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology & Biodiversity	Loss of habitat within Sandwich Bay to Hacklinge Marshes SSSI, Thanet Coast & Sandwich Bay SPA/Ramsar and Sandwich Bay SAC	The installation method for the Kent Landfall is a trenchless technique to minimise the loss of habitat within Sandwich Bay to Hacklinge Marshes SSSI, Thanet Coast & Sandwich Bay SPA/Ramsar and Sandwich Bay SAC and avoid any loss of saltmarsh.	Embedded	Construction	Application Document 7.5.3 Outline Onshore Construction Environmental Management Plan	DCO Schedule 3, Requirement 6 Onshore Construction Environmental Management Plan
GG36	Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Project Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Environmental impacts from the operation of Minster Substation	Minster Substation described in Work No. 11 should be designed to be in general accordance with the Key Design Principles set out in Table 4.1 of the Design Principles – Kent (Application document 7.12.2).	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Landscape and Visual							
LV04	Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on landscape and views from failure of reinstatement and mitigation planting	A five-year aftercare period will be established for all reinstatement and mitigation planting along the HVDC cable corridor. All planting associated with the Minster Converter Station and Substation will be managed and maintained for the lifetime of the asset.	Control and Management Measure	Construction	Application Document 7.5.7.2 Outline Landscape and Ecological Management Plan – Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
LV15	Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on landscape and visual receptors from the Minster Converter Station and Minster Substation	Locating the converter station and substation as close to the existing infrastructure at Richborough Energy Park and limiting the incursion into the wider marsh landscape, to improve landscape fit and minimise visual impact.	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
LV16			Consideration of the orientation and massing of the converter station and substation in order that existing landscape features can be retained (drainage ditches and SSSI woodland).				
LV17			Designing the converter station buildings to be sympathetic to their surroundings and be integrated into the landscaped setting of the				

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			site where possible. Buildings will be clad in appropriate material and colours designed to appear recessive within the landscape, to help integrate the buildings into the landscape and views where possible.				
LV18	Application Document 6.2.3.1 Part 3 Kent Chapter 1 Landscape and Visual	Impacts on landscape and visual receptors from the Minster Converter Station and Minster Substation	Implementation of the outline landscape strategy for the Minster Converter Station and Substation in line with the following principles: • Respond to both the immediate landscape pattern of the site as well as the wider landscape character. • Use native woodland planting to provide screening to the converter station and substation in views from the north and northwest whilst providing containment to the converter station and substation site so that it appears visually connected to the Richborough Energy Park rather than the wider marsh landscape. • Reinforce the pattern of drainage ditches with appropriate marginal planting and establishing a sensitive interface with the wider marsh landscape. • Provide connectivity with wider blue and green infrastructure networks. • Protect existing vegetation wherever possible. • Consider opportunities for advanced planting to provide early establishment of woodland planting. • Provide an integrated drainage solution with attenuation ponds and swales, planted with marginal wetland species set within a wider context of marshland and native scrub planting to improve the biodiversity value within the site. • Monitoring and maintenance of new planting and seeding to ensure successful establishment.	Embedded	Operation	Application Document 7.5.7.2 Outline Landscape and Ecological Management Plan – Kent Application Document 7.5.7.2.1 Minster Converter Station and Substation Outline Landscape Mitigation within Application Document 7.5.7.2 Outline Landscape and Ecological Management Plan – Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
Ecology and Biodiversity							
B41	Application Document 6.2.3.2	Loss of woodland, grassland and pond habitat	Creation of 6.5 ha of woodland, 5 ha species rich neutral grassland, 1km native hedgerow,	Embedded	Operation	Application Document 7.5.7.2 Outline Landscape and	DCO Schedule 3, Requirement 6

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Part 3 Kent Chapter 2 Ecology and Biodiversity		2ha of balancing pond, and swales along the permanent access road. The final habitat creation proposals will be developed through the final Landscape and Ecological Management Plan so may deviate from areas/ habitats presented here.			Ecological Management Plan – Kent	Landscape and Ecological Management Plan (LEMP) – Kent
B42	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Direct impacts on Thanet Coast & Sandwich Bay SPA/Ramsar and Sandwich Bay SAC	HVDC cables would be installed using a trenchless technique at the landfall to minimise direct impacts on Thanet Coast & Sandwich Bay SPA/Ramsar and Sandwich Bay SAC.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B43	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts to ecological receptors from having to retrieve drilling equipment	Measures to avoid the trenchless drilling equipment getting stuck.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B44	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Disturbance to noise sensitive receptors	Noise fencing or similar effective noise reduction methods around works areas where required to avoid significant disturbance on noise sensitive receptors, particularly the SSSI and birds. Noise monitoring would be included adjacent to the SSSI to confirm the mitigation measures met the required noise thresholds.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B45	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts on breeding birds from the installation of overhead line pylons	Installation of overhead line pylons either side of Sandwich Bay to Hacklinge Marshes SSSI will not cover the entire breeding season (March to September included) but will either take place outside the bird breeding season or will only occupy approximately two months of the breeding season. Any works causing noise levels above 60dB LAmax, will take place outside the bird breeding season (March to September included).	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B46	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impact on water voles	It is assumed that water voles could be present on any ditch section to be traversed and a watching brief will therefore be introduced during any vegetation clearance in these ditches. Displacement of water voles if any are encountered would be undertaken under the supervision of a licenced ecologist under Class	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			Licence CL31. This would restrict clearance of any locations where water voles are present to either 15 February to 15 April or 15 September to 31 October.				
B47	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impact on ecological receptors from clearance of sections of ditch	In order to avoid the nesting bird season and the water vole active season, vegetation clearance of sections of ditch will need to take place during 15th September to 31st October (this being one of the two legally permissible windows for excluding water voles by displacement). However, if pre-construction surveys undertaken immediately prior to the clearance works taking place confirm the absence of nesting birds, vegetation removal may also occur between 15 February to 15 April (this being the other legally permissible window for excluding water voles by displacement), provided that pre-construction surveys have been undertaken by a suitably qualified ecologist to ensure there is no suitable habitat for hibernating reptiles. If pre-construction surveys identify no water vole burrows or nesting birds are present within the area to be cleared, then vegetation clearance could also take place outside these windows. The actual culverts will then be installed at the appropriate time as the haul road progresses across the site.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B48	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Disturbance to Cetti's warbler nesting	Ensure disturbing works commence in an area prior to the start of the Cetti warbler nesting season where possible. A 20 m buffer will be implemented during construction around any Cetti's warbler nests that do establish within the construction area in each nesting season. A specific decision will then be undertaken in discussion with the ecological clerk of works over the construction activities that can take place in that area while the nest is active. In addition, there will be continued monitoring for Cetti warbler throughout out the nesting season (March to August) by experienced ecologists. If singing males are present the site manager will be notified and steps taken to introduce construction works in the area prior to a nest being established.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
B49	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Disturbance to badgers	There will be no lighting near any badger setts or any significant sources of noise that would affect badgers during construction.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B50	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Disturbance to breeding birds	Seasonal restriction on any activities relating to construction of the Minster Converter Station and Substation, that are calculated, following detailed design, to be above 60dB LAmax at the boundary of the SSSI, are to be undertaken utside of the breeding bird season (March to June).	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B51	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impact on wintering birds	Programming the overhead line pylon base installation to avoid the core wintering bird period of October to February.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B52	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity Application Document 6.9 Water Framework Directive	Loss of riparian habitat	It is proposed to deliver a series of small shallow riverside scrapes with riparian planting, and some alder and willow planting, along the River Stour within the Order Limits before the end of the Proposed Project's construction. This will increase the ecological value of what is currently (north of the River Stour) a predominantly arable landscape. In addition, there will be localised introduction of Azolla weevil to control invasive Azolla fern in Ash Levels and South Richborough Local Wildlife Site.	Additional	Operation	Application Document 7.5.7.2 Outline Landscape and Ecological Management Plan – Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
B53	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Impacts to hedgerows	Larger gaps in hedgerows or woodland belts would be reduced to 10 m maximum during the night by hurdles or similar. Around construction compounds, direct illumination of boundary features will be avoided. Lighting will be designed to comply with published guidelines.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B54	Application Document 6.2.3.2 Part 3 Kent Chapter	Loss of habitat used by golden plover and breeding skylark	Delivery of 10 ha of off-site arable enhancement for SPA golden plover and for breeding skylark	Additional	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	2 Ecology and Biodiversity						Actions and Commitments (REAC)
B55	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Bird collision	Bird diverters on new section of overhead line, which are visible in low light conditions. It is considered that in the context of the Kent Onshore Scheme and species involved, that hanging deflectors, especially those with fluorescent markings offer the best solution to making the lines visible in adverse weather or low light conditions.	Additional	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B56	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Loss of macroinvertebrate and macrophyte communities	Macroinvertebrate and macrophyte communities will be translocated from the ditch to be lost to the Minster Converter Station, into nearby watercourses or the balancing/attenuation ponds, in advance of infill	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B57	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	Disturbance to bats	There will be no lighting directed towards any of the four trees with bat roost potential identified in the surveys for the Kent Onshore Scheme.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B58	Application Document 6.2.3.2 Part 3 Kent Chapter 2 Ecology and Biodiversity	To minimise disturbance to bats	In line with best practice guidance from the Bat Conservation Trust and Institute of Lighting Professionals (ILP) operational lighting would be the minimum required for the safe working of the proposed Minster Converter Station. Lighting would be directed to the interior of the Converter Station, and on as low a column height as possible, with measures such as hoods or cowls implemented where required to minimise light spill onto immediately surrounding habitat.	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B61	Application Document 9.83 Outline Code of Construction Practice	Impacts on saltmarsh vegetation	If pumps are used to flush saltmarsh vegetation they will be operated at low pressure	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B65	Application Document 9.83	Impact on breeding birds	Any tree height reduction required in Sandwich Bay to Hackling Marshes SSSI to ensure no	Additional	Operation	Application Document 9.84 Register of Environmental	DCO Schedule 3, Requirement 6

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Outline Code of Construction Practice		interference with the new overhead line during operation, will not take place during March to June inclusive.			Actions and Commitments (REAC)	Register of Environmental Actions and Commitments (REAC)
B66	Application Document 6.2.3.2 (C) Part 3 Kent Chapter 2 Ecology and Biodiversity	Impact on the former hoverport ecology	To ensure ecological interest features of the former hoverport are not affected during construction, the following approach will be taken: a) pre-construction botanical survey will be undertaken to map vegetation stands of particular significance to protect, such as orchids or dense stands of dock or wild carrot (the larvel floodplants of the two rarest invertebrates on site). b) An access route will subsequently be marked out which avoids these stands, along with dense stands of other vegetation. c) A suitable qualified ecologist will be on site to supervise and guide the marking out of the access route.	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B67	Application Document 9.83 Outline Code of Construction Practice	Impact on saltmarshes	To ensure there will be no vehicular or pedestrian access across the saltmarsh, access and egress of vehicles to the mudflats will be via the former hoverport with a buffer between the defined access route and the seaward (distal) limit of the saltmarsh. The locations and widths of access routes across the mudflats will be defined post consent in consultation with Natural England and Kent Wildlife Trust as appropriate, and will be informed by a pre-construction saltmarsh habitat survey.	Control and management measures	Construction / Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B68	Application Document 9.83 Outline Code of Construction Practice	Impacts on Pegwell Bay	Preparation of a Pegwell Bay Landfall Construction Method Statement, in consultation with Natural England and Kent Wildlife Trust as appropriate, covering marine cable pull in and cable burial (including excavations) between Mean Low Water Spring and the Trenchless crossing exit pits .	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
B69	Application Document 9.83 Outline Code of Construction Practice	Impact on saltmarshes	Trenchless crossing exit pits in Pegwell Bay will be at least 105 m seaward from the edge of the saltmarsh. The temporary working area will be located at a minimum distance of 50 m from the edge of the saltmarsh.	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
B70	Application Document 9.83 Outline Code of Construction Practice	Impact on the former hoverport ecology	Once the specific route for construction vehicles to traverse the former Kent hoverport has been identified by the Applicant, Kent Wildlife Trust, Natural England and Thanet District Council will be consulted on the route	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Cultural Heritage							
H11	Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Locations of known archaeological interest/value to be preserved *in situ*, or areas where archaeological work is planned, would be signposted/fenced off to avoid unintentional damage.	Additional	Construction	Application Document 7.5.4.2 Outline Onshore Overarching Written Scheme of Investigation – Kent (Draft)	DCO Schedule 3, Requirement 14 Archaeology
H12	Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Where a previously unknown heritage asset is discovered, or a known heritage asset proves to be more significant than predicted at the time of application for Development Consent, then the Archaeology Advisor for Kent County Council should be informed and a solution agreed that protects the significance of the new discovery, so far as is practicable, within the Proposed Project parameters	Additional	Construction	Application Document 7.5.4.2 Outline Onshore Overarching Written Scheme of Investigation – Kent (Draft)	DCO Schedule 3, Requirement 14 Archaeology
H13	Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Archaeological excavation, recording, and publication to be undertaken where archaeological features cannot be avoided. Scope of works to be agreed with the Archaeology Advisor for Kent County Council, and any other relevant heritage stakeholders, prior to works commencing in the relevant area and detailed in the Kent Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.	Additional	Construction	Application Document 7.5.4.2 Outline Onshore Overarching Written Scheme of Investigation – Kent (Draft)	DCO Schedule 3, Requirement 14 Archaeology
H14	Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Archaeological Strip, Map, and Record, to be undertaken in pre-agreed areas of archaeological potential/features. Scope of works to be agreed with the Archaeology Advisor for Kent County Council, and any other relevant heritage stakeholders prior to works in the relevant area commencing and detailed in the Kent Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.	Additional	Construction	Application Document 7.5.4.2 Outline Onshore Overarching Written Scheme of Investigation – Kent (Draft)	DCO Schedule 3, Requirement 14 Archaeology

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
H15	Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Archaeological Watching Brief to be undertaken in pre-agreed areas of archaeological potential/features. Scope of works to be agreed with the Archaeology Advisor for Kent County Council, and any other relevant heritage stakeholders prior to works commencing in the relevant area and detailed in the Kent Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.	Additional	Construction	Application Document 7.5.4.2 Outline Onshore Overarching Written Scheme of Investigation – Kent (Draft)	DCO Schedule 3, Requirement 14 Archaeology
H16	Application Document 6.2.3.3 Part 3 Kent Chapter 3 Cultural Heritage	Effects on cultural heritage assets	Geoarchaeological modelling/profiling in areas of potential. Scope of works to be agreed with the Archaeology Advisor for Kent County Council, and any other relevant heritage stakeholders prior to works commencing and detailed in the Kent Outline Onshore Overarching Written Scheme of Investigation or a site specific Written Scheme of Investigation.	Additional	Construction	Application Document 7.5.4.2 Outline Onshore Overarching Written Scheme of Investigation – Kent (Draft)	DCO Schedule 3, Requirement 14 Archaeology
Water Environment							
W21	Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Effects on water environment receptors	Sensitive routeing and siting of infrastructure and temporary works, e.g. avoiding situating the Minster Substation and Converter Station (the most vulnerable permanent components of the Kent Onshore Scheme) in areas that are at risk of flooding from rivers and the sea (Flood Zones 2 and 3) and avoiding areas at high risk of surface water flooding.	Embedded	Construction and Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W22	Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Effects on water environment receptors	A commitment to make landfall using a trenchless crossing technique beneath the saltmarsh habitat and four watercourses that drain to Pegwell Bay.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W23	Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Effects on water environment receptors	Minster Converter Station and Substation would be served with drainage systems that embed SuDS for attenuation of runoff to green field runoff rates in line with the requirements of the receiving watercourse authorities (Internal Drainage Board, Environment Agency or Lead Local Flood Authority) and to provide treatment of runoff.	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
W24	Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Effects on water environment receptors	Construction compounds, haul roads and bellmouths served by SuDS systems that would be constructed at the same time as the formation platform of these infrastructure (to reduce the risk of flooding during the construction stage) and which would include pollution controls to address the possibility of runoff contamination with oils and silts. Installation of filter drains/swales/header drains along the perimeter of construction compounds/parallel to haul roads to intercept 'clean' runoff from the adjacent land.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
W25	Application Document 6.2.3.4 Part 3 Kent Chapter 4 Water Environment	Effects on water environment receptors	Balancing ponds will be provided around the Minster Converter Station and Substation and close to the proposed access road will create a new riparian perimeter of 1.38 km. The final habitat creation proposals will be developed through the final Landscape and Ecological Management Plan so may deviate from areas/ habitats presented here.	Embedded	Operation	Application Document 7.5.7.2 Outline Landscape and Ecological Management Plan – Kent	DCO Schedule 3, Requirement 6 Landscape and Ecological Management Plan (LEMP) – Kent
W30	Application Document 9.83 Outline Code of Construction Practice	Impact on flood levels	In order not to impact flood levels by means of displacement or changing flow paths, at the Kent Landfall, cofferdams (which are temporary) will not be located within 16 m of the River Stour (tidal element) or the coastal flood defences. Therefore a FRAP will not be required.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Geology and Hydrogeology							
GH11	Application Document 6.2.3.5 Part 3 Kent Chapter 5 Geology and Hydrogeology	Impacts on groundwater Source Protection Zone 1	The proposed construction compound within the Source Protection Zone 1 within Kent will be designed and operated in accordance with the following: 1. The conceptual ground model will be confirmed through intrusive ground investigation, 2. There will be no below ground storage of liquids/fuels/chemicals, 3. There will be no water abstractions or discharges within this compound, and 4. Best available techniques will be followed for both construction and operation of this compound. This will include commitments such as using double skinned and/or bunded tanks, drip trays, spill kits etc.	Control and management measures	Construction and Operation	Application Document 9.83 Outline Code of Construction Practice	DCO Schedule 3, Requirement 6 Code of Construction Practice
Agriculture and Soils							
No specific mitigation measures additional to those already mentioned in Table 1.1.							

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
Traffic and Transport							
TT07	Application Document 6.2.3.7 Part 3 Kent Chapter 7 Traffic and Transport Application Document 6.3.3.1.4.A Appendix 1.4.A Crossings Schedule	Impact on PRoW	Sensitive routing and siting of infrastructure and temporary works including to minimise the requirement to close/ divert PRoW including in the vicinity of the River Stour.	Embedded	Construction and Operation	Application Document 7.5.9.2 Outline Public Rights of Way Management Plan – Kent	DCO Schedule 3, Requirement 6 Public Rights of Way (PRoW) Management Plan – Kent
TT08	Application Document 6.2.3.7 Part 3 Kent Chapter 7 Traffic and Transport	Impacts on the highway and walking and cycling routes	Utilising trenchless methods at landfall (including underneath Sandwich Road, the Viking Coastal Trail, the Kings Charles III England Coast Path and the A256) to minimise potential impacts on the highway and walking/ cycling routes.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
TT09	Application Document 6.2.3.7 Part 3 Kent Chapter 7 Traffic and Transport	Impact on highway network	Potential carriageway widening works, vegetation clearance and street furniture removal at the locations as identified within the Outline CTMTP for Kent to accommodate construction vehicles (including Abnormal Indivisible Loads).	Embedded`	Construction	Application Document 7.5.1.2 Outline Construction Traffic Management and Travel Plan – Kent	DCO Schedule 3, Requirement 6 Construction Traffic Management and Travel Plan – Kent
TT10	Application Document 9.83 Outline Code of Construction Practice	Impact on highway network	No public vehicles will be able to access/exit Ebbsfleet Lane North from the new A256 junction (K-BM02), during construction or operation, with fencing and gates used to prevent unauthorised access.	Control and management measures	Construction and Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Air Quality							
AQ11	Application Document 6.2.3.8 Part 3 Kent Chapter 8 Air Quality	Impact from emissions associated with back-up generators during operation	To ensure emissions from the back-up generators during the operational phase are not significant: • Ensure the generators adhere to Stage V emissions standards and seek alternatives where possible, such as batteries or alternative fuel; and • Should diesel generators be used, ensure the they are placed as far from Sandwich Bay to Hacklinge Marshes SSSI as possible and that testing is kept to a minimum.	Embedded	Operation	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
Noise and Vibration							
NV09	Application Document 6.2.3.10 Part 3 Kent Chapter 10 Noise and Vibration	Impacts on noise sensitive receptors	Minster Converter Station and Minster Substation will include appropriate noise mitigation measures in the design (e.g. plant selection, and transformer noise enclosures). Proposed substations and converter stations will be designed such that noise from their normal operation does not cause a significant adverse effect at nearby noise sensitive receptors. Additionally, where feasible the substation and converter station designs will seek to achieve noise levels at nearby noise sensitive receptors in line with the aims of the local authorities, or otherwise as low as reasonably possible.	Embedded	Operational	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
NV10	Application Document 6.2.3.10 Part 3 Kent Chapter 10 Noise and Vibration	Impacts on noise sensitive receptors	Application of site-specific BPM (e.g. screening) to reduce levels of noise and vibration from potentially significant construction activities.	Additional	Construction	Application Document 7.5.8.2 Outline Construction Noise and Vibration Management Plan – Kent	DCO Schedule 3, Requirement 6 Construction Noise and Vibration Management Plan (NVMP) – Kent
Socio-economics, Recreation and Tourism							
SE03	Application Document 6.2.3.10 Part 3 Kent Chapter 10 Socio-Economics, Recreation, and Tourism	To avoid impacts on users of Great Oaks Small School	Utility trenching works to be programmed to occur in school holidays or as agreed with Great Oaks Small School to avoid impacts on users of the community facility receptor.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Health and Wellbeing							
No specific mitigation measures additional to those already mentioned in Table 1.1.							
Arboriculture							
A18	Application Document 6.10 Arboricultural Impact Assessment	Negative impacts to the structure of the soil within the RPAs of T612K (ancient tree) and T614K (veteran tree) from all-terrain vehicles used for monitoring and maintenance access in wet conditions on soft ground.	Access required for monitoring and) maintenance within the RPAs of T612K (ancient tree) and T614K (veteran tree) in wet conditions, will be achieved by pedestrian only access. Alternatively where all-terrain vehicle access is required, fit for purpose ground protection specified to the highest expected load in accordance with Application Document 6.10 Arboricultural Impact Assessment will be utilised to avoid negatively impacting the soil structure.	Embedded	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC) Arboricultural Method Statement	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC) DCO Schedule 3, Requirement 8 Retention and

(1) ID	(2) ES or Standalone Document Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
							protection of existing trees and hedgerows

Table 1.4 Register of Environmental Actions and Commitments – Offshore Scheme

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
General project commitments							
GM01	All Offshore Scheme Technical Chapters	Physical disturbance to the seabed.	Designated (and as minimal as possible) anchoring areas and protocols shall be employed during marine operations to minimise physical disturbance of the seabed.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
GM02	All Offshore Scheme Technical Chapters	Disturbance to other sea users.	As-built locations of cable and external protection will be supplied to UKHO (Admiralty), The Crown Estate and Kingfisher (KIS-ORCA).	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
GM03	All Offshore Scheme Technical Chapters	Offshore pollution.	An offshore Construction Environmental Management Plan (CEMP) including an Emergency Spill Response Plan and Waste Management Plan, Marine Pollution Contingency Plan (MPCP), Shipboard Oil Pollution Emergency Plan (SOPEP) and a dropped objects procedure will be produced prior to installation.	Control and management measures	All	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
GM04	All Offshore Scheme Technical Chapters	Sensitive routeing and siting of infrastructure and temporary works.	Sensitive routeing and siting of infrastructure and temporary works.	Embedded	Construction	Application Document 2.5.3 Work Plans – Offshore.	DCO Schedule 1 and 16
GM05	All Offshore Scheme Technical Chapters	-	Early and continued stakeholder consultations.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
Landfall and vessel set up							
LVS01	All Offshore Scheme Technical Chapters	Release of ballast water.	All project vessels shall adhere to the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004 (BWM Convention).	Control and management measures	All	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
LVS02	All Offshore Scheme Technical Chapters	Collision.	All project vessels must comply with the International Regulations for Preventing Collisions at Sea (1972) (IMO, 2019), regulations relating to International Convention for the Prevention of Pollution from Ships (the MARPOL Convention 73/78) (IMO, 2019) with the aim of preventing and minimising pollution from ships and the international	Control and management measures	All	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			Convention for the Safety of Life at Sea (SOLAS, 1974).				
LVS03	All Offshore Scheme Technical Chapters	Failure of installation machinery.	An installation machine failure contingency plan will be produced prior to installation.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
LVS04	All Offshore Scheme Technical Chapters	The release of oil, fuel and/or chemical spills.	All oil, fuel and chemical spills will be reported to the MMO Marine Pollution response team.	Control and management measures	All	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
LVS05	All Offshore Scheme Technical Chapters	The release of drilling fluids into the marine environment.	Drilling fluids required for trenchless operations will be carefully managed to minimise the risk of breakouts into the marine environment. Specific avoidance measures would include: • the use of biodegradable drilling fluids (pose little or no risk (PLONOR) substances) where practicable; • drilling fluids will be tested for contamination to determine possible reuse or disposal; and • If disposal is required drilling fluids would be transported by a licensed courier to a licensed waste disposal site.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
Marine physical environment							
MPE01	Application Document 6.2.4.1 Part 4 Marine Chapter 1 Physical Environment	Disturbance to the seabed.	During the course of cable route clearance, specific activities will be completed to remove items from the seabed. Out of Service cables will be removed as per industry guidelines, larger debris including lost fishing gear will be removed prior to cable installation and a pre-lay grapnel run will be completed to ensure smaller debris is removed. In the event that abandoned, lost or discarded fishing gear ('ALDFG') is encountered, it may be necessary in certain circumstances to bring ALDFG onto the vessel deck. In these instances, marked ALDFG will be returned to the MMO/local Inshore Fisheries and Conservation Authority (IFCA) for onward retrieval by the owner of the marked gear, in line with existing best practice. Not all gear (particularly 'active' gear) is marked; if necessary to bring onto the vessel deck, unmarked gear will be disposed of via conventional onshore waste channels. Recovered objects identified as 'wreck' must be reported to the Receiver of Wreck within 28 days under the obligations of the Merchant	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			Shipping Act 1995 and must be stored and maintained at the finder's expense until a decision is made on ownership. It is recommended that advice is sought from the marine archaeological consultant with regards survey campaigns and data assessments, to ensure, where possible, 'wreck' of possible or known archaeological interest can be avoided and left in situ.				
MPE02	Application Document 6.2.4.1 Part 4 Marine Chapter 1 Physical Environment	Disturbance to the seabed.	For subtidal sections of the cable route, the minimum depth of lowering (DOL) to the top of the cable is 0.5 m (in areas of bedrock), with a target DOL for the Proposed Project approximately 1 m to 2.5 m, to be achieved where possible dependant on the seabed geology. At the Kent landfall, a target DOL of 1.5 m will apply to allow for the potential future lowering of the intertidal bed levels.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
MPE03	Application Document 6.2.4.1 Part 4 Marine Chapter 1 Physical Environment	Disturbance to the seabed.	Cable protection features (e.g. rock placement, mattresses and grout bags) will be installed only where considered necessary for the safe operation of the Proposed Project. This includes the repair of cables due to accidental damage.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
MPE04	Application Document 6.2.4.1 Part 4 Marine Chapter 1 Physical Environment Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Development.	Disturbance to the seabed.	Where rock placement is required to protect an exposed or shallow buried cable, the height and width of these berms will be kept to a practical and safe minimum.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
MPE05	Application Document 6.2.4.1 Part 4 Marine Chapter 1 Physical Environment Application Document 6.2.1.4 Part 1 Introduction Chapter 4 Description of the Proposed Development.	Disturbance to the seabed.	Depth of Burial Monitoring surveys to be undertaken post installation.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
MPE06	Application Document 6.2.4.1 Part 4 Marine Chapter 1 Physical Environment	Impacts to coastal erosion.	Over the operational lifetime of the Proposed project, monitoring of the beach profile and erosion rates is carried out at the Suffolk landfall site where rock bags are planned to be placed at the HDD exit pits.	Additional	Operation	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
MPE07	Application Document 6.2.4.1 Part 4 Marine Chapter 1 Physical Environment	Impacts to the Coralline Crag ridges	Installation of cables should not create pre-cut trenches at the Coralline Crags due to the sensitivity of the system. Instead, rock bags or mattresses should be used to protect the cable.	Embedded	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
MPE08	Application Document 9.83 Code of Construction Practice	Erosion at landfall	Further analysis will be undertaken to consider the potential for coastal erosion over the lifetime of the project in line with the final Offshore Construction and Environmental Management Plan. This information will be used to inform the detailed design of the Proposed Project, to ensure that the risk of future exposure of the offshore burial cables is as reduced as far as practicable.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Benthic ecology							
BE01	Application Document 6.2.4.2 Part 4 Marine Chapter 2 Benthic Ecology	Direct or indirect spread of invasive species.	A biosecurity plan will be produced for the project, following the latest guidance on invasive non-native species (INNS) from the Great Britain (GB) non-native species secretariat.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.12 Outline Offshore Invasive Non-Native Species Management Plan.	DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 6 Offshore Invasive Non-Native Species Management Plan
BE02	Application Document 6.2.4.2 Part 4 Marine Chapter 2 Benthic Ecology	Transfer of invasive aquatic species.	All project vessels shall adhere to the International Maritime Organisation (IMO) Guidelines for the control and management of ships' biofouling to minimize the transfer of invasive aquatic species (Biofouling Guidelines 2011).	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.12 Outline Offshore Invasive Non-Native Species Management Plan.	DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 6 Offshore Invasive Non-Native Species Management Plan
BE03	Application Document 6.2.4.2 Part 4 Marine Chapter 2 Benthic Ecology	Direct or indirect spread of invasive species.	Any material introduced into the marine environment, such as rock protection material, will be from a suitable source or cleaned to ensure no INNS can be introduced.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.12 Outline Offshore Invasive Non-	DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 6 Offshore Invasive Non-

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
						Native Species Management Plan.	Native Species Management Plan DCO Schedule 16
BE04	Application Document 6.2.4.2 Part 4 Marine Chapter 2 Benthic Ecology	Direct or indirect spread of invasive species.	Where possible, cable protection materials will use locally sourced materials or environmentally benign sources.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.12 Outline Offshore Invasive Non-Native Species Management Plan.	DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 6 Offshore Invasive Non-Native Species Management Plan
BE05	Application Document 6.2.4.2 (C) Part 4 Marine Chapter 2 Benthic Ecology	Impacts on benthic habitats of principal habitats	Where benthic habitats of principal importance (qualifying as annex 1 or NERC) are identified during pre-construction surveys (engineering surveys and UXO) and there is potential for an impact on these habitats, National Grid will prepare a Benthic Mitigation Plan, in consultation with the MMO and SNCBs.	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
BE06	Application Document 6.2.4.2 (C) Part 4 Marine Chapter 2 Benthic Ecology	Impacts on benthic habitats of principal habitats	Where benthic habitats of principal importance are identified (qualifying as annex 1 or NERC) during pre-construction surveys and mitigation is required to avoid or reduce impacts on these habitats, an In-Principle Monitoring Plan (IPMP) will be prepared in consultation with the MMO and SNCBs to verify the accuracy of predicted residual impacts on these habitats.	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Fish and shellfish							
FSF01	Application Document 6.2.4.3 Part 4 Marine Chapter 3 Fish and Shellfish	Effects to fish caused by Electro Magnetic Field (EMF).	The target DOL will be between 1 m to 2.5 m (subject to local geology and obstructions).	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
Marine mammals							
MM01	Application Document 6.2.4.4 Part 4 Marine Chapter 4 Marine Mammals	Impacts from underwater sound generated from known project activities.	Adherence to JNCC (JNCC, 2025) guidelines, where appropriate, regarding the minimisation of impacts from underwater sound generated from known project activities including geophysical surveys.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.11 Outline Marine Mammal Mitigation Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 6 Marine Mammal Mitigation Plan
MM02	Application Document 6.2.4.4 Part 4 Marine Chapter 4 Marine Mammals	Noise disturbance.	Adherence to JNCC (JNCC, 2020) guidance for assessing the significance of noise disturbance against conservation objectives of the Southern North Sea Special Area of Conservation (SAC).	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.11 Outline Marine Mammal Mitigation Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 6 Marine Mammal Mitigation Plan
Ornithology							
O01	Application Document 6.2.4.5 Part 4 Marine Chapter 5 Ornithology	Accidental spillages from occurring and to minimise disturbance of sediments.	The CoCP and CEMP will outline the best practice mitigation measures required to be implemented during construction. This would include measures to prevent accidental spillages from occurring and to minimise disturbance of sediments.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.8 Red Throated Diver Protocol.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 5 Red

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
							Throated Diver Protocol
O02	Application Document 6.2.4.5 Part 4 Marine Chapter 5 Ornithology	Accidental spillages from occurring and to minimise disturbance of sediments.	There will be Health, Safety and Environment (HSE) procedures implemented, with strict limits on weather conditions, equipment maintenance and personnel to further reduce the risk of any accidental spills/releases. Furthermore, in the event of a spill, a response will be made swiftly.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.8 Red Throated Diver Protocol.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 5 Red Throated Diver Protocol
O03	Application Document 6.2.4.5 Part 4 Marine Chapter 5 Ornithology	Disturbance to Red Throated Diver.	For red-throated diver, a full seasonal restriction (1st November – 31st March) for offshore cable burial activities (excluding pre-lay grapnel run activities) in the Outer Thames Estuary SPA and a reduced seasonal restriction (1st January – 31st March) for landfall cable installation activities at the Suffolk landfall in Aldeburgh.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.8 Red Throated Diver Protocol.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 5 Red Throated Diver Protocol
O04	Application Document 6.2.4.5 Part 4 Marine Chapter 5 Ornithology	Disturbance to Red Throated Diver.	Existing shipping lanes will be utilised for vessel transiting routes to avoid additional disturbance, where practicable.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.8 Red Throated Diver Protocol.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 5 Red Throated Diver Protocol

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
O05	Application Document 6.2.4.5 Part 4 Marine Chapter 5 Ornithology	Disturbance to Red Throated Diver.	Vessel operators will be made aware of the importance and sensitivity of the species to disturbance. Vessels will avoid rafting birds and areas with high densities of birds, where practicable.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.8 Red Throated Diver Protocol.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 5 Red Throated Diver Protocol
O06	Application Document 6.2.4.5 Part 4 Marine Chapter 5 Ornithology	Disturbance to Red Throated Diver.	Artificial lighting on vessels will be directional and only used when necessary, noting that health and safety requirements will need to be met for safe working practices.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.8 Red Throated Diver Protocol.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 5 Red Throated Diver Protocol
O07	Application Document 6.2.4.5 Part 4 Marine Chapter 5 Ornithology	Cold Weather Protocol	Cold Weather Protocol. To minimise additional stress to waterbirds, in the intertidal zone of Pegwell Bay, during periods of severe weather the following restriction will be applied, where practicable. If freezing conditions persist for five consecutive days, work should cease until there has been three consecutive days of thaw.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
Marine archaeology							
MA01	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance to Marine Archaeology.	A Written Scheme of Investigation (WSI) including a Protocol for Archaeological Discoveries will be agreed with the Archaeological Curator via the Regulator and implemented (**Application Document 7.5.5 Outline Offshore Written Scheme of Investigation (WSI)**) prior to works commencing. Unavoidable impacts to potential archaeological receptors would be addressed	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
			through a series of agreed control and management measures to deal with the discoveries once impacts have occurred. These measures would be outlined in a WSI and would be in place throughout the construction, operation, maintenance and decommissioning phases. The WSI would address unavoidable impacts that may occur anywhere in the Offshore Scheme and particularly where the nature of the Proposed Project means that some details have not been confirmed when an application is submitted, allowing flexibility within clearly defined parameters (Rochdale Envelope or Design Envelope) in accordance with archaeological best practice. A project-specific Protocol for Archaeological Discoveries will be established to support the reporting of unexpected archaeological material during the lifetime of the Project. Impact to unexpected archaeological material is reduced by promptly receiving archaeological advice and undertaking recording and/or conserving any objects that have been disturbed. Additional offshore investigation of features with an uncertain identity or archaeological value can often mean their true nature and value can be better understood. A Protocol for Archaeological Discoveries reduces the impact on the marine historic environment by enabling Project staff to report their finds in a manner that is convenient and effective. Any additional marine geophysical survey, diver or remotely operated vehicle (ROV) survey footage that takes place within the area will be assessed by a suitably qualified marine geophysicist or marine archaeologist, as appropriate. If an archaeologically important site is subsequently discovered during Project works, a temporary exclusion zone (TEZ) will be established to allow for further investigation to take place. The TEZ would then be re-evaluated, removed or expanded, based on the results of further investigations			Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA02	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance to Marine Archaeology.	A WSI will also include offsetting of archaeological impact where necessary through the completion of a Stage 3 palaeo-environmental assessment (including scientific dating and updated deposit modelling, if required) of deposits of high geoarchaeological potential which may be disturbed.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code

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						Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA03	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance to Marine Archaeology.	The project will be run in compliance with all relevant legislation, consents and permits, for example the Marine and Coastal Access Act 2009, Protection of Military Remains 1986, Merchant Shipping Act 1995, Protection of Wrecks Act 1973 and Ancient Monuments and Archaeological Areas Act 1979.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA04	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Marine Archaeology	Disturbance/ damage to archaeological features.	Locations of known marine archaeological interest/value within the marine environment will be avoided by all marine vessels by the implementation of appropriately sized Archaeological Exclusions Zones (AEZs). No works that could impact the seabed will be undertaken within the extent of an AEZ during the construction, operation and maintenance, or decommissioning phases of the Offshore Scheme. AEZs may be amended (enlarged, reduced, moved or removed) because of further data assessment or archaeological field evaluation and must be undertaken in consultation with the Archaeological Curator, Historic England.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA05	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Where a previously unknown heritage asset is discovered, or a known heritage asset proves to be more significant than foreseen at the time of application, the project will inform the MMO, as advised by Historic England, and will agree a solution that protects the significance of the new	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan

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			discovery, utilising agreed mitigation measures such as AEZs and avoidance.			Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation. .	DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA06	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Archaeological features of lower archaeological value will be avoided where practicable within the marine and coastal/intertidal areas. Micro-siting of the cable route and siting of infrastructure and temporary works will help to avoid seabed features, such as geophysical anomalies of archaeological potential. It is recommended that consultation with the archaeological consultant is undertaken with regards to routing around such anomalies of archaeological potential.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA07	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Archaeological input at the planning stages of any further survey work should be undertaken. Archaeological Method Statements will be prepared for the following additional works: ground truthing of anomalies (e.g. ROV), diver survey or coordination with UXO campaigns); marine geophysical or geotechnical surveys; intertidal, coastal or marine watching briefs and/ or excavation (where deemed necessary and in agreement with the Archaeological Curator); measures to protect marine heritage assets from indirect impacts (e.g. physical buffers); and post-construction monitoring works. Method Statements will be prepared by a suitably qualified, experienced and accredited marine archaeological consultant and will require approval by the Regulator (the MMO), and the Archaeological Curator (Historic England for marine works and the respective local authority curatorial bodies that serve Suffolk and Kent for works in the intertidal zone).	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation

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MA08	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Where sensitive routeing and siting of infrastructure and temporary works around marine heritage assets is not possible, anomaly investigation will be undertaken to confirm the nature and value of the seabed anomaly. Methods of ground truthing assessment could include ROV or diver survey offshore and watching briefs onshore, and could be undertaken in conjunction and in coordination with other surveys associated with the Offshore Scheme, for example unexploded ordnance (UXO) or obstruction surveys. All relevant information and data derived from such surveys should be assessed by a suitably qualified, experienced and accredited marine archaeological consultant, and in accordance with the associated WSI.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA09	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Any further marine geophysical or geotechnical surveys undertaken, for instance post-consent or post-construction, will be archaeologically assessed and interpreted by a suitably qualified, experienced and accredited marine archaeological geophysicist or geoarchaeologist. Work will be undertaken in accordance with the associated WSI (**Application Document 7.5.5 Outline Offshore Written Scheme of Investigation (WSI)**) and accompanying Method Statements. The results of such surveys will be integrated with previous interpretations and reported on accordingly to inform archaeological mitigation and consent compliance. It is also recommended that archaeological specialists are included in the design of any geophysical and geotechnical surveys to ensure that opportunities are maximised where possible.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA10	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Watching briefs will be utilised in the intertidal, coastal or marine areas where any intrusive works are planned. These could include pre-lay grapnel runs or intertidal cable-laying in an excavated trench. The proposed methodology will be presented in a Method Statement and agreed through consultation with the Regulator, the MMO, and the Archaeological Curator, Historic England, for marine works and the respective local authority curatorial bodies that serve Suffolk and Kent for works in the intertidal and coastal zone.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written

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							Scheme of Investigation
MA11	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Once the design of the Offshore Scheme has been confirmed, it may be possible to ascertain measures to protect heritage assets that could be indirectly impacted, for instance by scouring, exposure or erosion, caused by direct impacts to the seabed. For instance, 'physical buffers' may be placed around a heritage asset to protect it from scour. The proposed methodology for such works will be outlined in a Method Statement and approved by the Archaeological Curator, Historic England and the Regulator, the MMO.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA12	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology		The Marine WSI contains details of the mitigation measures to prevent and reduce impact to marine archaeological features and material. The Marine Written Scheme of Investigation (WSI) and any associated Archaeological Method Statements must be complied with throughout the project. Contractors should be provided with GIS files containing up to date details of the location of all marine archaeological anomalies, which should all be avoided where possible. Locations and extents of all AEZs should also be provided, whereby impact to the seabed is prohibited inside these areas. Where accidental impact inside an AEZ does occur, contractors should be aware of the process for reporting it to the MMO, with advice from Historic England. Work within the AEZ should immediately cease if impact is known to have occurred. If any archaeological material is discovered, contractors must ensure that the bespoke Protocol for Archaeological Discoveries for the Proposed Project is followed and reporting of material occurs accordingly. Prior to works, contractors must provide contact details as required for the purposes of the Protocol.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA13	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/ damage to archaeological features.	Prior to works commencing, contractors should have familiarised themselves with the Protocol for Archaeological Discoveries and undertake awareness training. Contractors should provide	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document	DCO Schedule 3, Requirement 6 Offshore Construction

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			relevant contact details to the Archaeological Contractor to ensure the lines of communication are clear for the Protocol to run smoothly. If archaeological material is discovered, contractors must ensure that the Protocol is followed and reporting of material occurs accordingly. The obligations of the Merchant Shipping Act 1995 and Protection of Military Remains Act 1986 will be complied with.			9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA14	Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance/damage to archaeological features.	Contractors should be provided with GIS files containing information showing areas of archaeological potential with regards to palaeolandscapes. Contractors should be made aware of the interests of the archaeological contractor with regards surveys.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice. Application Document 7.5.5 Outline Offshore Overarching Written Scheme of Investigation.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice DCO Schedule 3, Requirement 14 Outline Offshore Overarching Written Scheme of Investigation
MA15	Application Document 9.83 Outline Code of Construction Practice	Disturbance to marine archaeology	As a designated area, the Goodwin Sands Marine Conservation Zone (MCZ), off the Kent coast will not have aggregate collected from within the MCZ for the purposes of this scheme.	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
Shipping and navigation							
SN01	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	A risk based burial approach will be used where cables will be buried to a minimum DOL to the top of the cable of 0.5 m (in areas of bedrock), with a target DOL for the Proposed Project of approximately 1 m to 2.5 m, assessing cable protection risk factors such as sediment type, shallow geology, sediment mobility, fishing activity, shipping movements and anchor deployment along the route.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice

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SN02	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Relevant information will be communicated to other sea users via Notices to Mariners (NtM), Radio Navigation Warnings Navigational Telex (NAVTEX) and/or broadcast warnings.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
SN03	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	All Project vessels will display appropriate marks and lights and will always broadcast their status on AIS.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
SN04	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Temporary aids to navigation will be used as required to guide vessels around areas of installation activity.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan. DCO Schedule 3, Requirement 6 Code of Construction Practice
SN05	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	A compass deviation report will be produced prior to installation.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
SN06	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to other vessels.	Guard vessel(s), using RADAR with Automatic RADAR Plotting Aid (ARPA) and Automatic Identification System (AIS) to monitor vessel activity and predict possible interactions, will be employed to work alongside the installation vessel(s) during cable installation works.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan

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							DCO Schedule 3, Requirement 6 Code of Construction Practice
SN07	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to other vessels.	Notification of regular runners (regular vessel operators) including ferry operators. Engagement with regular runners and specifically ferry operators ensures awareness of the installation details which minimises disruption	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN08	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to other vessels.	Communication plans will be established with clear protocols to ensure effective communication and coordination between all relevant shipping and navigation stakeholders, including SHAs (Statutory Harbour Authorities), Competent Harbour Authorities (CHAs, Vessel Traffic Services (VTS), and Traffic Separation Scheme (TSS) operators. This will maintain ongoing awareness and coordination of Offshore Scheme installation fleet activities and awareness of their locations during construction, among all relevant parties. Special attention will be given to the routeing of the installation operation through the Sunk TSS and when in proximity to the Sunk Deep Water anchorage area and the Sunk pilot station, as well as when routeing in proximity to the Tongue anchorages and pilot station. Communication plans will include key stakeholders such as Harwich Haven and Sandwich Port and Haven authorities, in particular on the topic of any expected change in under-keel clearance or anticipated introduction of seabed hazards.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN09	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to other vessels.	Communication plans will, where necessary, identify areas of high potential magnetic compass deviations to relevant stakeholders.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN10	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Navigation within Sandwich Port and Haven/Pegwell Bay during construction.	Communication plans will pay particular focus to operations within Pegwell Bay as this is a region of very shallow water and challenging navigation for vessels entering and exiting the River Stour and may also have a high presence of amateur or inexperienced recreational boaters.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN11	Application Document 6.2.4.7 Part 4 Marine	Disturbance to the Sunk.	Coordination of planned operations within the Sunk region, to avoid concurrent Restricted Ability to	Additional	Construction	Application Document 9.84 Register of Environmental	DCO Schedule 3, Requirement 6

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
	Chapter 7 Shipping and Navigation		Manoeuvre (RAM) operations (such as cable lay and burial) with other projects in the Sunk area where possible, in particular regarding the North Falls and Five Estuaries Wind Farm projects.			Actions and Commitments (REAC)	Register of Environmental Actions and Commitments (REAC)
SN12	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to the Sunk.	Restricted Ability to Manoeuvre operations in the Sunk area will be avoided where practicable in visibilities of below 2 nautical miles.	Additional	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN13	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Impacts to other vessels.	Construction planning for the landfall activities will take into account availability of small craft channels such that disruption to this vessel class is minimised as far as possible.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN14	Application Document 6.2.4.8 Part 4 Marine Chapter 7 Shipping and Navigation	Impacts to other vessels.	UKHO Temporary/Preliminary Notices to be issued to ports, harbours and pilots, and any other appropriate parties prior to post-lay/as-built survey such that the basic positions of the cable are established and awareness among mariners can be raised immediately.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN15	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Impacts to other vessels.	The use of temporary Aids to Navigation for exposed cable sections will be considered to reduce the risk of interactions with fishing gear vessel anchors particularly near designated anchorages. Details, extent and requirements of the markers will be confirmed/established with Trinity House.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN16	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Impacts to other vessels.	Risk assessment of maintenance activities (excluding inspections) will be undertaken to determine the collision risk level and suitable controls on a case-by-case basis such that both collision risk and disruption to maintenance activities are minimised.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN17	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Impacts to other vessels.	Cable protection measures will take due consideration of key areas of fishing activity identified in the baseline data, such that those sections of the cable identified as being buried or protected within such areas will minimise risk to gear snagging.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN18	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Impacts to other vessels.	Minimising the amount of time the cable stays unprotected and exposed to potential interactions with anchoring vessels or fishing gear (anchor drag or gear snagging), during construction.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions

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							and Commitments (REAC)
SN19	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to the Sunk.	Avoiding disruption to the Sunk anchorage area and Sunk pilot boarding area during construction by minimising time spent in this region during construction and avoiding cable joints in this area where possible.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN20	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to the Sunk.	Avoiding disruption to the Sunk anchorage area Sunk pilot boarding station, Tongue anchorages and Tongue pilot station during operation by considering appropriate cable burial depth and protection measures, and aiming for minimal reduction in under keel clearance, as well as carefully considering the location of cable joints.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN21	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Navigation within Sandwich Port and Haven/Pegwell Bay.	Any seabed hazard at the Sandwich Flats will be appropriately marked, included in the appropriate navigational charts and managed by Sandwich Port and Haven authorities and their procedures.	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN22	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Reduction in under-keel clearance.	Anticipated reductions in water depth greater than 5% will be discussed with the MCA and other relevant stakeholders such as Statutory Harbour Authorities (SHA) and Competent Harbour Authorities (CHA).	Additional	All	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)
SN23	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Route design refined to run north of the W1 buoy.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan. Application Document 2.5.3 Work Plans – Offshore.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 1 and 16
SN24	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Presence of Vessel Traffic Service (VTS) in region – Existing shore-side systems which range from the provision of simple information messages to ships, such as position of other traffic or meteorological hazard warnings, to extensive management of traffic within a port or waterway	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN25	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Establishment of operations weather envelope limits for the construction operations. Installation operations should monitor weather conditions and	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction

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			evaluate critical minimum operational envelope for relevant activities.				Environmental Management Plan
SN26	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Issuance of Adverse Weather Guidelines as required - Issued by ports in response to forecast bad weather. Potentially limits collisions, disruption and sub-surface interactions by deterring vessels from navigating anchoring fishing etc near hazards in bad weather.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN27	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Compliance with MGN661 Navigation - Safe and responsible anchoring and fishing practices - In line with guidance provided by the UKHO and International Convention for the Safety of Life at Sea (SOLAS) it is recommended that fishing vessels should avoid trawling over installed subsea infrastructure.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN28	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Designing rock berms to reduce snagging risk.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN29	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Rolling 500 m radius Recommended Restricted Zones will be in place around construction vessels, to protect both construction vessels (restricted in their ability to manoeuvre) and passing vessels from collision, as is standard practise. Recommended Restricted Zones would be established with communication to stakeholders and advanced notice to all and in liaison with Harwich and Sunk VTS.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN30	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation	Cable burial depth and protection is of particular concern in Pegwell Bay with regards to reduction in under-keel clearance and subsequent effect on navigation, as this is a region of shallow water depths, a changing approach channel and challenging navigation. This therefore needs to be taken into account in design and construction, to ensure the project is minimising the risk of introducing seabed hazards in this region.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN31	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	The Proposed Project cable will not be routed any closer to the Sunk W1 buoy than the 151 m distance that is currently planned, in order to protect both the buoy and the cable, as agreed with Trinity House.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan. Application Document 2.5.3 Work Plans – Offshore.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 1 and 16

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
SN32	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	As per the 'Relevant Representation of NGET in respect of the North Falls Offshore Windfarm DCO', the Proposed Project agrees that 'The parties will continue to engage during pre-construction and construction with other cable installation projects in the vicinity of the Sunk pilot boarding station. The purpose of this engagement will be to coordinate as far as practicable marine activities which may overlap in time, in order to minimise the impact on shipping and the North Falls construction programme and the construction programme for Five Estuaries Offshore Wind Farm and Sea Link. This will also include, where appropriate, joint engagement with relevant stakeholders (HHA, PLA, Sunk VTS) to help inform and plan construction activities.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN33	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	If a cable repair joint is required during the operational lifetime of the cable, as far as practicable this will be avoided within the Sunk area, but if such a scenario is unavoidable, the Project shall consider potential collision risk and minimize time spent during maintenance in this region as much as possible.	Embedded	All Phases	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
SN34	Application Document 6.2.4.7 Part 4 Marine Chapter 7 Shipping and Navigation	Disturbance to Shipping and Navigation.	Simultaneous operations with other offshore projects will be avoided where possible. Where simultaneous operations do occur, the Project will have project vessel management procedures and planned protocols to minimize disruption and potential risks	Additional	All	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
Commercial fisheries							
CF01	Application Document 6.2.4.8 Part 4 Marine Chapter 8 Commercial Fisheries	Disturbance to fishing vessels.	A Fisheries Liaison Officer (FLO) and fisheries working group(s) will be maintained throughout installation to ensure project information is effectively disseminated, dialogue is maintained with the commercial fishing industry and access to home ports is maintained during the main fishing season.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
CF02	Application Document 6.2.4.8 Part 4 Marine Chapter 8 Commercial Fisheries	Disturbance to other sea users.	Timings of any temporary areas of exclusion from fishing grounds will be clearly communicated via a notice to mariners.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document	DCO Schedule 3, Requirement 6 Offshore Construction

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
						9.83 Outline Code of Construction Practice.	Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
CF03	Application Document 6.2.4.8 Part 4 Marine Chapter 8 Commercial Fisheries	Loss of/or damage to fishing gear.	Berms will be installed where cable protection is necessary. These will be designed with a 1:3 profile and flat crests, intended to prevent the risk of fishing gears snagging.	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
CF04	Application Document 6.2.4.8 Part 4 Marine Chapter 8 Commercial Fisheries	Loss of/or damage to fishing gear.	A procedure for the claim of loss, damage, relocation or removal of fishing gear will be included in the Fisheries Liaison and Co-Existence Plan (FLCP).	Control and management measures	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
CF05	Application Document 6.2.4.8 Part 4 Marine Chapter 8 Commercial Fisheries	Loss of/or damage to fishing gear.	Post installation surveys of the Offshore Scheme for depth of lowering and surveys of rock protection to check for snagging risk.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
CF06	Application Document 6.2.4.8 Part 4 Marine Chapter 8 Commercial Fisheries	Loss of/or damage to fishing gear.	Procedures and process for ongoing consultation with fishers regarding cable protection design will be set out in the FLCP.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
CF07	Application Document 6.2.4.11 Part 4 Marine Chapter 11 Inter-project Cumulative Effects (Section 11.4, paragraph 11.4.22)	Disturbance to fishing grounds	National Grid will maintain communications with other developments in the region with regard to respective installation timings and location. These communications will be communicated to fisheries through the FLCP.	Additional	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan
CF08	Application Document 6.2.4.8 Part 4 Marine Chapter 8 Commercial Fisheries	Gear snagging	Minimising the amount of time the cable stays unprotected and exposed to potential interactions with anchoring vessels or fishing gear (anchor drag or gear snagging), during construction.	Embedded	Construction	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan

(1) ID	(2) ES Reference	(3) Potential Changes and Effects	(4) Measure Proposed	(5) Mitigation	(6) Project Phase	(7) Securing Document/Plan	(8) Securing Mechanism
Other sea users							
OSU01	Application Document 6.2.4.9 Part 4 Marine Chapter 9 Other Sea Users	Disturbance to private land.	Crossing and/or proximity agreements will be agreed with aggregate extraction, cable and pipeline owners. The crossing agreement describes the rights and responsibilities of the parties and also the design of the crossing. Crossing design will be in line with industry standards, using procedures and techniques agreed with the cable and pipeline owners.	Control and management measures	Construction and Operation	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
OSU02	Application Document 6.2.4.9 Part 4 Marine Chapter 9 Other Sea Users	Disturbance to other sea users.	Timely and efficient communication will be given to sea users in the area via Notices to Mariners, Kingfisher Bulletins, NAVTEX and NAVAREA warnings.	Control and management measures	All	Application Document 7.5.2 Outline Offshore Construction Environmental Management Plan, Application Document 9.83 Outline Code of Construction Practice.	DCO Schedule 3, Requirement 6 Offshore Construction Environmental Management Plan DCO Schedule 3, Requirement 6 Code of Construction Practice
OSU03	Application Document 9.83 Outline Code of Construction Practice Application Document 6.2.4.6 Part 4 Marine Chapter 6 Marine Archaeology	Disturbance to fisheries	Preparation and implementation of a Fisheries Liaison and Co-Existence (FLCP) which will set out measures to mitigate impacts on fisheries including coordinated communication and scheduling between developers of adjacent projects, early, consistent and ongoing engagement with the fisheries sector, and clear compensation agreements for gear loss, damage, relocation or removal.	Control and management measures	Construction	Application Document 9.84 Register of Environmental Actions and Commitments (REAC)	DCO Schedule 3, Requirement 6 Register of Environmental Actions and Commitments (REAC)

2. References

JNCC. (2020). *JGuidance for assessing the significance of noise disturbance against Conservation Objectives of harbour porpoise SACs (England, Wales & Northern Ireland).* Retrieved from data.jncc.gov.uk: https://data.jncc.gov.uk/data/2e60a9a0-4366-4971-9327-2bc409e09784/JNCC

JNCC. (2025). *DRAFT JNCC guidelines for minimising the risk of injury to marine mammals from geophysical surveys.* Retrieved from jncc.gov.uk: Retrieved from https://jncc.gov.uk/media/9379/draft-jncc-geophysical-guidelines-2025.pdf

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