

XLINKS' MOROCCO-UK POWER PROJECT

Environmental Statement

Volume 1, Appendix 3.1: Commitments Register

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Glossary

Term	Meaning
Abnormal Indivisible Loads route works	Potential minor works to the Abnormal Indivisible Loads (AIL) routes, which are required for the transportation of the transformers and cable drums. The proposed AIL route runs from Appledore to the Onshore Infrastructure Area.
Applicant	Xlinks 1 Limited.
Construction Environmental Management Plan	A document detailing the overarching management principles for construction, which includes construction-related environmental management measures, pollution prevention measures, the selection of appropriate construction techniques and monitoring processes.
Construction Traffic Management Plan	A document detailing the construction traffic routes for heavy goods vehicles and personnel travel, protocols for delivery of Abnormal Indivisible Loads to site, measures for road cleaning and sustainable site travel measures.
Converter Site	The Converter Site is proposed to be located to the immediate west of the existing Alverdiscott Substation Site in north Devon. The Converter Site would contain two converter stations (known as Bipole 1 and Bipole 2) and associated infrastructure, buildings and landscaping.
Converter station	Part of an electrical transmission and distribution system. Converter stations convert electricity from Direct Current to Alternating Current, or vice versa.
Development Consent Order	An order made under the Planning Act 2008, as amended, granting development consent.
Environmental Impact Assessment	The process of identifying and assessing the significant effects likely to arise from a project. This requires consideration of the likely changes to the environment, where these arise as a consequence of a project, through comparison with the existing and projected future baseline conditions.
Environmental Statement	The document presenting the results of the Environmental Impact Assessment process.
Horizontal Directional Drilling	Horizontal Directional Drilling (HDD) is a method of installing underground pipelines, cables and service conduit (or ducts) through trenchless methods to avoid obstacles and sensitive features (e.g. roads, watercourses, woodlands, etc.). The term HDD is used here interchangeably with other similar trenchless techniques but excluding micro tunnelling or direct pipe methods.
HVAC Cables	The High Voltage Alternating Current cables which would bring electricity from the converter stations to the new Alverdiscott Substation Connection Development.
HVAC Cable Corridors	The proposed corridors (for each Bipole) within which the onshore High Voltage Alternating Current cables would be routed between the Converter Site and the Alverdiscott Substation Site.
HVDC Cables	The High Voltage Direct Current cables which would bring electricity to the UK converter stations from the Moroccan converter stations.
Landfall	The proposed area in which the offshore cables make landfall in the United Kingdom (come on shore) and the transitional area between the offshore cabling and the onshore cabling. This term applies to the entire landfall area at Cornborough Range, Devon, between Mean Low Water Springs and the transition joint bays inclusive of all construction works, including the offshore and onshore cable routes, and landfall compound(s).
Maximum Design Scenario	The realistic worst case scenario, selected on a topic-specific and impact specific basis, from a range of potential parameters for the Proposed Development.
Onshore HVDC Cable Corridor	The proposed corridor within which the onshore High Voltage Direct Current cables would be located.
Onshore Infrastructure Area	The proposed infrastructure area within the Order Limits landward of Mean High Water Springs. The Onshore Infrastructure Area comprises the transition joint bays, onshore HVDC Cables, converter stations, HVAC Cables, highways improvements,

Term	Meaning
	utility diversions and associated temporary and permanent infrastructure including temporary compound areas and permanent accesses.
Order Limits	The area within which all offshore and onshore components of the Proposed Development are proposed to be located, including areas required on a temporary basis during construction (such as construction compounds).
Proposed Development	The element of Xlinks' Morocco-UK Power Project within the UK. The Proposed Development covers all works required to construct and operate the offshore cables (from the UK Exclusive Economic Zone to Landfall), Landfall, onshore Direct Current and Alternating Current cables, converter stations, and highways improvements.
Xlinks' Morocco UK Power Project	The overall scheme from Morocco to the national grid, including all onshore and offshore elements of the transmission network and the generation site in Morocco (referred to as the 'Project').

Acronyms

Acronym	Meaning
AIL	Abnormal Indivisible Load
BSSS	British Society of Soil Science
CBRA	Cable Burial Risk Assessment
CEMP	Construction Environmental Management Plan
CTMP	Construction Traffic Management Plan
DCO	Development Consent Order
DECC	Department for Energy and Climate Change
DMP	Dust Management Plan
ECOW	Ecological Clerk of Works
EIA	Environmental Impact Assessment
EMF	Electromagnetic Field
ES	Environmental Statement
ES	Environmental Statement
FLO	Fisheries Liaison Officer
GHG	Greenhouse Gas
HDD	Horizontal Directional Drilling
HGV	Heavy Goods Vehicle
HVAC	High Voltage Alternating Current
HVDC	High Voltage Direct Current
IAQM	Institute of Air Quality Management
INNS	Invasive Non-native Species
IQ	Institute of Quarrying
LEMP	Landscape and Ecology Management Plan
MARPOL	International Convention for the Prevention of Pollution from Ships
MCA	Maritime and Coastguard Agency
MMO	Marine Mammal Organisation
MPCP	Marine Pollution Contingency Plan

Acronym	Meaning
NSVMP	Navigational Safety and Vessel Management Plan
On-CEMP	Onshore Construction Environmental Management Plan
OOWSI	Offshore Outline Archaeological Written Scheme of Investigation
PAD	Protocol for Archaeological Discoveries
PPP	Pollution Prevention Plan
PRoW	Public Right of Way
SOPEP	Shipboard Oil Pollution Emergency Plan
SRWMP	Site Resource and Waste Management Plan
SSSI	Site of Special Scientific Interest
UK	United Kingdom
UK	United Kingdom
WSI	Written Scheme of Investigation

Units

Units	Meaning
GT	Gross Tonnage
m	Metres

1 COMMITMENTS REGISTER

1.1 Introduction

- 1.1.1 This document forms Volume 1, Appendix 3.1: Commitments Register of the Environmental Statement (ES) prepared for the United Kingdom (UK) elements of the Xlinks Morocco-UK Power Project (the 'Project'). For ease of reference, the UK elements of the Project are referred to as the 'Proposed Development, which is the focus of the Environmental Statement (ES). The ES presents the findings of the Environmental Impact Assessment (EIA) process for the Proposed Development.
- 1.1.2 Xlinks 1 Limited ('the Applicant') is proposing a number of Primary, Secondary, Tertiary and Enhancement mitigation measures, which form the Commitments Register, as part of the EIA process in order to avoid or reduce impacts where possible.
- 1.1.3 For the purposes of this ES, the term 'measures adopted as part of the Proposed Development' is used to include measures identified during the EIA process to date and presented on the Commitments Register. The Commitments Register presents measures to be adopted during the construction, operation and maintenance, and decommissioning phases of the Proposed Development.
- Embedded mitigation - This includes the following measures, as identified in the IEMA 'Guide to Shaping Quality Development' (IEMA, 2016).
 - Primary mitigation - These are measures included as part of the project design. IEMA describes these as 'modifications to the location or design of the development made during the pre-application phase that are an inherent part of the project and do not require additional action to be taken'. This includes modifications arising through the iterative design process. These measures will be secured through the consent itself through the description of the project and the parameters secured in the DCO and/or marine licences. For example, a reduction in footprint or height.
 - Tertiary mitigation - IEMA describes these as 'actions that would occur with or without input from the EIA feeding into the design process. These include actions that will be undertaken to meet other existing legislative requirements, or actions that are considered to be standard practices used to manage commonly occurring environmental effects'. It may be helpful to secure such measures through a Construction Environmental Management Plan or similar.
 - Further (secondary) mitigation - IEMA describes these as 'actions that will require further activity in order to achieve the anticipated outcome'. These include measures required to reduce the significance of environmental effects (such as lighting limits) and may be secured through an environmental management plan.
- 1.1.4 The development of mitigation and enhancement measures forms a key part of the iterative EIA process, whereby measures are developed throughout the EIA process in response to initial assessments and stakeholder engagement findings.

- 1.1.5 This appendix details the list of Commitments that are proposed within the ES and provides details for example, their spatial extent and topic relevance. Detail of how Commitments are secured within particular elements of the DCO and cross referencing to relevant outline management plans are also included in the Commitments Register.
- 1.1.6 The Commitments have been informed via:
- consultation on the Scoping Report;
 - feedback from non-statutory consultation;
 - Section 42 responses
 - project design iteration and refinement (Route Planning and Site Selection); and
 - industry best practice.
- 1.1.7 **Table 1.1** explains the terms used with the Commitments Register. **Table 1.2** presents the Commitments Register.

Table 1.1: Explanation of Commitments Register Terms

Term	Explanation
Commitment Reference	Each Commitment has a unique ID assigned to it to enable consultees to easily track the commitments throughout the ES.
Commitment Type	Details whether the Commitment is Embedded, Further or Enhancement.
Commitment/Mitigation	Details the Commitment and Mitigation.
Monitoring	Details whether any further monitoring, checks or surveys etc. are required alongside the Commitment.
Proposed Development Phase	Details at which phase of the Proposed Development, construction, operation and maintenance and decommissioning, the commitment is relevant to.
Delivery	Details the stage at which the commitment will be delivered (e.g. construction).
Project Element	Details the project elements the commitment is relevant to (e.g. ONS01 is relevant to Landfall, Onshore Infrastructure Area and the Converter Site).
Onshore Topic Relevance	Details the onshore topics which the Commitment is relevant to. The Commitment will also be detailed within the identified Onshore Chapters of the of the ES.
Offshore Topic relevance	Details the offshore topics which the Commitment is relevant to. The Commitment will also be detailed within the identified Offshore Chapters of the of the ES.
Combined Topic Relevance	Details the combined onshore and offshore topics which the Commitment is relevant to. The Commitment will also be detailed within the identified Combined Onshore and Offshore Chapters of the of the ES.
How is the Commitment secured?	Details the mechanism for how the Commitment is to be legally secured (e.g., through inclusion of a Requirement of the DCO).

Commitment / Mitigation Reference	Mitigation / Commitment Type (Embedded, Further, or Enhancement)	Commitment / Mitigation	Monitoring (if necessary)	Proposed Development Phase	Delivery (when) (e.g. pre-commencement)	Project Element			Onshore Topic Relevance										Offshore Topic Relevance										Combined Topic Relevance					How is the commitment secured?	Associated Supporting Documentation	Compliance date and details (to be completed once compliance is achieved)
						Offshore Cable Corridor	Landfall	Onshore Infrastructure Area	Abnormal Indivisible Loads Route	Converter Site	Onshore Ecology and Nature Conservation	Historic Environment	Hydrology and Flood Risk	Geology, Hydrogeology and Ground Conditions	Traffic and Transport	Noise and Vibration	Air Quality	Land Use and Recreation	Benthic Ecology	Fish and Shellfish Ecology	Commercial Fisheries	Marine Mammals and Turtles	Shipping and Navigation	Other Marine Users	Marine Archaeology and Cultural Heritage	Physical Processes	Offshore Ornithology	Climate Change	Landscape, Seascape and Visual Resources	Socio-economics and Tourism	Human Health					
ONS01	Embedded	The site selection and route refinement process for the Proposed Development has considered the locations of statutory and non-statutory designated sites, recreational resources and special category land, which have been directly avoided, where reasonably practicable. Where this has not been possible, the design of the Proposed Development includes measures to minimise impacts, such as the use of trenchless construction techniques, for example, at the Landfall and to cross the River Torridge. Where reasonably practicable, protected and unprotected areas of woodland, mature and protected trees (i.e. veteran trees), as well as other ecologically sensitive habitats have and will be avoided.	N/A	Construction	N/A			X	X		X															X	X			DCO Schedule 1, Authorised Development	Work Plans (document reference 2.3)					
ONS02	Embedded	The following infrastructure, sensitive sites/features and recreational resources are proposed to be crossed using trenchless methodologies, as set out within the Onshore Crossing Schedule submitted as part of the application for development consent: • The Mermaid's Pool to Rowden Gut Site of Special Scientific Interest (SSSI), the beach and the South West Coastal Path, situated along the coastline at the landfall, Comborough Range. • The following watercourses/woodland: – Kenwith Stream, situated just south of Rickard's Down and approximately 300 m north of Abbotsham. – A small stream, 290 m south of Jennett's reservoir and to the west of West Ashridge, which feeds into Jennett's reservoir. – River Torridge, to the south of Bideford (to note, one HDD will cross the River Torridge, A386 and the Tarka Trail). • The following major roads: – A39, at a section approximately 250 m south west from the Abbotsham Cross roundabout and north west from High Park Farm. – A386, to the south of Bideford (as stated above, one HDD will cross both the River Torridge and A386). • A site of suspected archaeological interest at Winscott Barton.	N/A	Construction	N/A			X	X			X	X	X	X												X	X			DCO Schedule 1, Work No. 9 and Associated Development DCO Schedule 2, Requirement 7 (Management plans)	Work Plans (document reference 2.3) Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				
ONS03	Embedded	The Onshore HVDC Cables and HVAC Cables will be completely buried underground for the entire length. Joint bays will be completely buried, with the land above reinstated. A maintenance cover will be provided on the surface for link boxes for access during the operation and maintenance phase.	N/A	Construction	N/A			X	X			X															X				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				
ONS04	Embedded	An Outline Decommissioning Strategy has been submitted as part of the application for development consent (document reference 7.17), which details that onshore and offshore decommissioning plans will be prepared in accordance with the principles set out in the Outline Decommissioning Strategy, if decommissioning of the Proposed Development is required at the end of the Proposed Development's operational life. The onshore decommissioning plan(s) will be developed in consultation with the relevant authority and in line with the latest available guidance, legislation and any new technologies available at the time of the Proposed Development's decommissioning. The onshore decommissioning plan(s) will include an assessment of the need to remove above ground infrastructure and the decommissioning of below ground infrastructure and include details relevant to flood risk (e.g. maintenance/reinstatement of existing land drainage), pollution prevention and avoidance of ground disturbance. The onshore decommissioning plan(s) will also include provision for the protection (during decommissioning) of any significant archaeological remains within the Onshore Infrastructure Area which were identified and protected from harm during construction.	N/A	Decommissioning	Within 12 months of the permanent cessation of commercial operation			X	X	X	X		X	X	X		X	X									X			X		DCO Schedule 2, Requirement 16 (Decommissioning Strategy)	Outline Decommissioning Strategy (document reference 7.17)			
ONS05	Embedded	An Outline Construction Traffic Management Plan (CTMP) has been submitted with the application for development consent (document reference 7.12). CTMP(s) will be developed in accordance with the Outline CTMP prior to commencement of construction and agreed with relevant stakeholders. The CTMP(s) will set out reasonably practicable measures that include: • Managing the numbers and routing of HGVs during the construction phase; • Managing the movement of construction worker traffic during the construction phase; • Details of measures to manage the safe passage of HGV traffic via the local highway network; and • Details of localised road improvements if and where these may be necessary to facilitate the safe use of the existing road network.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X	X		X			X	X	X									X			X		DCO Schedule 2, Requirement 8 (Construction Traffic Management Plan)	Outline Construction Traffic Management Plan (CTMP) (document reference 7.12)			
ONS06	Embedded	A Dust Management Plan (DMP) would be incorporated within the On-CEMP(s) and measures in relation to air quality and dust management, as outlined in the Institute of Air Quality Management guidance (IAQM, 2024). A DMP assists in the appropriate management techniques to limit dust soiling from construction and decommissioning activities as far as reasonably practicable. Air quality and dust management measures, as outlined in IAQM guidance (IAQM, 2024) would be included. An Outline DMP has been provided as an appendix to the Outline On-CEMP as part of the application for development consent (document reference 7.7, Appendix C).	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X	X	X		X			X												X		DCO Schedule 2, Requirement 7 (Management Plans)	Outline Dust Management Plan, which forms Appendix C of the Outline On-CEMP (document reference 7.7)				
ONS07	Embedded	An Outline Pollution Prevention Plan (PPP) forms an appendix to the Outline On-CEMP, which has been prepared as part of the application for development consent (document reference 7.7, Appendix A). Onshore PPP(s) would be developed in accordance with the Outline PPP and would include details of emergency spill response procedures. Good practice guidance detailed in the Environment Agency's Pollution Prevention Guidance notes, CIRIA guidance or the latest relevant available guidance would be followed, where appropriate and reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X	X	X		X	X																DCO Schedule 2, Requirement 7 (Management Plans)	Outline Pollution Prevention Plan, which forms Appendix A of the Outline On-CEMP (document reference 7.7)				
ONS08	Embedded	An Outline Bentonite Breakout Plan has been prepared as part of the application for the development consent (document reference 7.20). Bentonite Breakout Plan(s) would be developed in accordance with the Outline Bentonite Breakout Plan.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X	X					X																		DCO Schedule 2, Requirement 7 (Management Plans)	Outline Bentonite Breakout Plan (document reference 7.20)				
ONS09	Embedded	An Outline Public Rights of Way (PRoW) Management Plan has been prepared as part of the application for development consent (document reference 7.11). PRoW Management Plan(s) would be developed in accordance with the Outline PRoW Management Plan and would include measures to manage and mitigate as far as reasonably practicable the impacts and disturbance to the PRoW network during the construction phase of the Proposed Development, in consultation with the relevant authorities.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X							X										X	X			DCO Schedule 2, Requirement 7 (Management Plans)	Outline Public Rights of Way (PRoW) Management Plan (document reference 7.11)				
ONS10	Embedded	An Outline Site Resource and Waste Management Plan (SRWMP) has been developed as part of the application for development consent (document reference 7.7, Appendix B). SRWMP(s) would be developed in accordance with the Outline SRWMP, which would incorporate the appropriate measures to manage waste produced by the Proposed Development and re-use materials, where reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X	X															X					DCO Schedule 2, Requirement 7 (Management Plans)	Outline Site Resource and Waste Management Plan (SRWMP) forms Appendix B to the Outline On-CEMP (document reference 7.7)				
ONS11	Embedded	An Outline Soil Management Plan has been prepared as part of the Outline On-CEMP, which forms a part of the application for development consent (document reference 7.7, Appendix D). A Soil Management Plan(s) would be developed in accordance with the Outline Soil Management Plan. Measures to be adopted as far as reasonably practicable would include: • Separate stripping and storage of identified topsoil and subsoil resources to prevent mixing of soil materials which can reduce overall soil quality. • Location of topsoil and subsoil stockpiles to avoid cross-contamination of materials and the trafficking of soil stockpiles by construction traffic. • Maintenance of topsoil and subsoil heaps to reduce potential losses of soil materials throughout the duration of storage (e.g. maintaining soil heaps to prevent it blowing away in the wind, or spilling into drainage ditches). • Control of the timing of soil handling operations to reduce potential soil damage through handling in unsuitable conditions (e.g. avoiding the movement of soil in periods of severe wet weather). • Choice of soil handling machinery and method for its use, to reduce potential for soil compaction and soil damage. • Implementation of appropriate soil aftercare following reinstatement of land in accordance with the Outline Soil Management Strategy. • Careful supervision of soil handling operations on site to ensure that recognised good practice is effectively implemented on site.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X		X						X														DCO Schedule 2, Requirement 7 (Management Plans)	Outline Soil Management Plan forms Appendix D to the Outline On-CEMP (document reference 7.7)				
ONS12	Embedded	All temporary working areas for the landfall, Onshore HVDC Cable Corridor, Converter Site, temporary compounds and HVAC Cable Corridors would be clearly marked and secured with appropriate fencing. This would be carried out in accordance with the Outline On-CEMP (document reference 7.7) and in accordance with Construction (Design and Management) Regulations 2015 requirements.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X		X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				

Commitment / Mitigation Reference	Mitigation / Commitment Type (Embedded, Further, or Enhancement)	Commitment / Mitigation	Monitoring (if necessary)	Proposed Development Phase	Delivery (when) (e.g. pre-commencement)	Project Element			Onshore Topic Relevance										Offshore Topic Relevance										Combined Topic Relevance					How is the commitment secured?	Associated Supporting Documentation	Compliance date and details (to be completed once compliance is achieved)	
						Offshore Cable Corridor	Landfall	Onshore Infrastructure Area	Abnormal Indivisible Loads	Route	Converter Site	Onshore Ecology and Nature Conservation	Historic Environment	Hydrology and Flood Risk	Geology, Hydrogeology and Ground Conditions	Traffic and Transport	Noise and Vibration	Air Quality	Land Use and Recreation	Benthic Ecology	Fish and Shellfish Ecology	Commercial Fisheries	Marine Mammals and Turtles	Shipping and Navigation	Other Marine Users	Marine Archaeology and Cultural Heritage	Physical Processes	Offshore Ornithology	Climate Change	Landscape, Seascape and Visual Resources	Socio-economics and Tourism	Human Health					
ONS13	Embedded	Haul road(s) would be installed within the temporary working area of the Onshore HVDC Cable Corridor to minimise impacts during construction on agricultural land and reduce the number of construction vehicles on the local road network, as reasonably practicable.			Pre-commencement of the relevant stages of work				X																								DCO Schedule 1, Work No. 3 DCO Schedule 2, Requirement 8 (Construction Traffic Management Plan) DCO Schedule 2, Requirement 7 (Management plans)	Outline CTMP (document reference 7.12) Outline On-CEMP (document reference 7.7)			
ONS14	Embedded	The Onshore HVDC Cables and HVAC Cables would be installed within the respective cable corridors in cable ducts, as opposed to using a direct lay installation method. This allows timely closure of trenches pending later installation (pulling-through) and jointing of cables.	N/A	Construction					X																								DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)			
ONS15	Embedded	The design of the proposed Converter Site would include cut and fill earthworks to provide a suitable development platform for the converter stations whilst utilising the local topography to integrate the buildings in the landscape. Additional visual screening in the form of constructed earth bunds and planting would further reduce the landscape and visual impact of the converter stations. The design of the landscaping would be detailed and stakeholders feedback incorporated as far as reasonably practicable.	N/A	Construction	Construction phase																												DCO Schedule 2, Requirement 4 (Detailed design approval); DCO Schedule 2, Requirement 7 (Management plans)	Design Principles (document reference 7.4) Outline LEMP (document reference 7.10)			
ONS16	Embedded	The main construction compounds along the Onshore HVDC Cable Corridor would include the following: - the A39 compound situated next to the Abbotsham Cross roundabout; and - the Gammaton Road compound, which is situated between Tennacott Lane and Gammaton Road, and to the south of East-the-Water. These construction compounds would form the main compounds for the construction workforce and are situated in areas easily accessible from the A39 and Manteo Way, respectively. This would allow construction vehicles to be directed towards the relevant compounds whilst reducing movements along minor roads as far as reasonably practicable.	N/A	Construction	Pre-commencement		X	X		X						X																		DCO Schedule 1, Works No. 2 DCO Schedule 2, Requirement 8 (Construction Traffic Management Plan)	Works Plan (document reference 2.3) Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)		
ONS17	Embedded/Further	An Outline Landscape and Ecology Management Plan (LEMP) has been prepared as part of the application for development consent (document reference 7.10). An LEMP(s) would be developed in accordance with the Outline LEMP. It would include as far as reasonably practicable the following: - A series of pre-commencement ecological surveys, to understand conditions prior to construction. - Requirements and management measures relating to ecology and conservation. - Methodologies required for the removal, reinstatement and enhancement of hedgerows and other habitats. - Methods required to prevent disturbance to or to comply with protected species licensing - Details and role specifications for Ecological Clerks of Works, including duties, responsibilities and reporting structure. - Details regarding the use of native and locally appropriate plant species around the converter stations and in replacement hedgerows along the Onshore HVDC Cable Corridor. - Identification of areas where it may be possible to achieve advance planting. Where practical, landscape mitigation planting will be established as early as reasonably practicable in the construction phase. - Details of proposed landscape planting at the Converter Site to assist with softening and screening the buildings. - Details of management and maintenance of planting scheme.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X		X	X	X																						DCO Schedule 2, Requirement 6 (Implementation and Maintenance of landscaping)	Outline Landscape and Ecology Management Plan (document reference 7.10)		
ONS18	Embedded	The following noise control measures will be incorporated in the design of the converter stations. • The orientation and layout of the converter stations will be considered to minimise noise levels at nearby receptors. • Quieter equipment will be selected, where available and reasonably practicable. • Mitigation measures such as acoustic barriers and enclosures will be specified where necessary. • Earth bunds will be created around the Converter Site as part of the ground works required during site preparation. These are an inherent mitigation feature for the site and aid to screen receptors from operational noise.	N/A	Construction																														DCO Schedule 2, Requirement 4 (detailed design approval)	Design Principles (document reference 7.4)		
ONS19	Embedded	The design of the Converter Site would be driven by the Design Principles Document (document reference 7.4), which would include principles to follow in the detailed design stages. This would include the following: • Scale, massing and layout of the converter buildings; • Use of appropriate materials/colours/finishes for the façades of the converter buildings; and • Use of landscape screening and planting in-keeping with local landscape character. The detailed design of the converter buildings would be developed in consultation with the relevant planning authorities and their feedback incorporated as far as reasonably practicable	N/A	Operation and Maintenance	Pre-commencement of the relevant stages of work					X																								DCO Schedule 2, Requirement 4 (detailed design approval)	Design Principles (document reference 7.4)		
ONS20	Embedded	The converter stations will be designed to ensure resilience to the potential impacts of future climate change, including the following: • Converter buildings, associated ancillary buildings, and electrical equipment should be designed with durable materials in line with relevant durability quality standards and guidance required in the construction contracts and by the relevant Government standards as far as reasonably practicable. • The converter stations will house auxiliary equipment e.g. appropriate cooling plant and ventilation systems to account for a range of temperature conditions, as consistently heightened temperatures could lead to efficiency losses due to overheating, or the failure of electrical equipment.	N/A	Operation and Maintenance	Pre-commencement of the relevant stages of work							X																						DCO Schedule 2, Requirement 4 (detailed design approval)	Design Principles (document reference 7.4)		
ONS21	Embedded	An Outline Onshore Construction Environmental Management Plan (Outline On-CEMP) has been prepared as part of the application for development consent (document reference 7.7). Onshore Construction Environmental Management Plan(s) (On-CEMP(s)) will be developed to align with the Outline On-CEMP. The On-CEMP(s) will set out measures to reduce Greenhouse Gas emissions associated with the construction of the Proposed Development and will include, where reasonably practicable, the following mitigation measures: • Pre-fabricated elements delivered to the site ready for assembly, which will reduce on-site construction waste and reduce vehicle movements as part of the construction process. • Vehicles used in road deliveries of materials, equipment and waste arising on- and off-site would be loaded to full capacity, wherever practicable, to minimise the number of journeys associated with the transport of these items. • All machinery and plant would be procured to adhere with relevant good practice emissions standards at the time of procurement and should be maintained in good repair to remain fuel efficient. • When not in use, vehicles and plant machinery involved in site operations would be switched off to further reduce fuel consumption. • The volume of waste generated would be minimised, and resource efficiency maximised, by applying the principles of the waste hierarchy throughout the construction period. Segregated waste storage should be employed to maximise recycling potential for materials. • Equipment and machinery requiring electricity would only be switched on when required for use. Procedures would be implemented to ensure that staff adhere to good energy management practices, e.g. through turning off lights, computers and heating/air conditioning units when not in use. • Temporary construction haul roads would be developed utilising recycled aggregates to minimise embodied carbon impacts.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X	X				X																					DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS22	Embedded	A Discovery Strategy will be prepared, prior to construction, to detail the procedure should any previously unknown contamination be discovered. The discovery strategy would detail the need for a watching brief that would be undertaken by suitably briefed personnel during construction activities such as ground clearance and earthworks.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X		X					X																			DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)		
ONS23	Embedded	During construction, appropriate Personal Protective Equipment would be used and relevant good working practices applied to avoid potential risk to human health including from any potential ground contamination, in line with relevant available guidance.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X	X	X	X					X																			DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)		
ONS24	Embedded	All construction personnel conducting intrusive works, in any part of the site, would attend a toolbox talk regarding explosives safety & awareness. This should comprise part of the standard site induction briefing and would form a component of the Health and Safety Plan for the site adhering to the requirements of CDM regulations 2015. All personnel working on site would be briefed on UXO recognition and made aware of the possible risks. They would be informed of the actions to take to alert the site manager and to keep people and equipment away from the hazard.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X		X					X																			DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)		

Commitment / Mitigation Reference	Mitigation / Commitment Type (Embedded, Further, or Enhancement)	Commitment / Mitigation	Monitoring (if necessary)	Proposed Development Phase	Delivery (when) (e.g. pre-commencement)	Project Element				Onshore Topic Relevance										Offshore Topic Relevance										Combined Topic Relevance					How is the commitment secured?	Associated Supporting Documentation	Compliance date and details (to be completed once compliance is achieved)
						Offshore Cable Corridor	Landfall	Onshore Infrastructure Area	Abnormal Individual Loads Route	Converter Site	Onshore Ecology and Nature Conservation	Historic Environment	Hydrology and Flood Risk	Geology, Hydrogeology and Ground Conditions	Traffic and Transport	Noise and Vibration	Air Quality	Land Use and Recreation	Benthic Ecology	Fish and Shellfish Ecology	Commercial Fisheries	Marine Mammals and Turtles	Shipping and Navigation	Other Marine Users	Marine Archaeology and Cultural Heritage	Physical Processes	Offshore Ornithology	Climate Change	Landscape, Seascape and Visual Resources	Socio-economics and Tourism	Human Health						
ONS26	Further	The following measures are to be implemented where reasonably practicable, during the construction phase to minimise greenhouse gas emissions: • Hybrid, electrical or lower carbon plant and equipment will be used. • Low energy solutions for temporary construction compounds such as renewable energy, battery storage or biofuels within generators will be considered and implemented. • Low carbon construction materials (as reported in Environmental Product Declarations) will be used subject to relevant Building Regulations and Standards or guidance in the construction contracts	N/A	Construction	Pre-commencement of the relevant stages of work	X	X	X	X	X															X						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)					
ONS27	Embedded	The Converter Site would be designed in line with the Design Principles Document (document reference 7.4) that accompanies the application for development consent. The design of the converter station will comply with all relevant statutory requirements including building regulations, building control requirements and fire safety in consultation with the fire authority as far as reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work						X																				DCO Schedule 2, Requirement 4 (detailed design approval)	Design Principles (document reference 7.4)					
ONS28	Enhancement	The Applicant would develop a discretionary Community Benefit Fund to provide community benefit during the construction of the period Proposed Development and for a period of up to 15 years following construction. The fund would sit outside of the requirements of the DCO and the terms of reference would be provided to relevant local planning authority for information. The Applicant would engage with the community to facilitate applications to the fund. The fund would be administered by an independent grant making body.	N/A	Construction	Pre-commencement of the relevant stages of work																							X		Not secured by the DCO as the community benefit fund is a discretionary enhancement measure	N/A						
ONS29	Further	During construction phase, the Applicant will engage with emergency and health care services and provide notification at least one week prior to the implementation of any temporary road closures, diversions or lane closures. If emergency works are required, the relevant local authorities and emergency services will be notified as soon as reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X																			X		DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.12)						
ONS30	Embedded	Skills and Employment Plan(s) would be produced prior to construction, in accordance with the Outline Skills and Employment Strategy prepared and submitted with the application for development consent. Skills and Employment Plan(s) would detail how the Applicant would engage with local workers and training providers for anticipated employment opportunities associated with the Proposed Development.	N/A	Construction	Pre-commencement of the relevant stages of work																					X				DCO Schedule 2, Requirement 15 (Employment and skills plan)	Outline Skills and Employment Strategy (document reference 7.23)						
ONS31	Embedded	In terms of electromagnetic field (EMF) exposure, the design of the Proposed Development would comply where reasonably practicable with exposure standards set out in Department for Energy and Climate Change (DECC) Voluntary Code of Practice (Department for Energy Security & Net Zero, 2012) including compliance with the International Commission on Non-Ionising Radiation Protection (ICNIRP) public exposure guidelines (ICNIRP, 1998, 2010).	N/A	Construction	N/A	X	X	X		X																		X		DCO Schedule 2, Requirement 17 (Electro-magnetic fields)	N/A						
ONS32	Embedded	An Outline Onshore Construction Environmental Management Plan (On-CEMP) has been prepared as part of the application for development consent (document reference 7.7). On-CEMP(s)) will be developed to align with the prepared Outline On-CEMP. The On-CEMP(s) will incorporate measures to ensure that any potential environmental impacts would be minimised during construction as far as reasonably practicable. The On-CEMP(s) will include measures to maintain and address the following topics: • ecology and nature conservation (including protected species and invasive species); • surface water and groundwater environment (including flood protection and control, drainage, and pollution prevention); • transport and access; • noise management measures; • air quality and dust management; • land use and recreation; • landscape and visual; • historic environment; • climate change; • waste management; • site security; and • health and safety.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X	X	X	X					X													DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)					
ONS33	Embedded	An Outline Onshore Construction Environmental Management Plan (On-CEMP) has been prepared as part of the application for development consent (document reference 7.7). On-CEMP(s)) will be developed to align with the prepared Outline On-CEMP. The On-CEMP(s) would include construction noise and vibration limits and Best Practicable Means (as defined in Section 72 of the Control of Pollution Act 1974 and Section 79 of the Environmental Protection Act 1990) to mitigate disruption caused by construction noise and vibration associated with the Proposed Development as far as reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X	X		X					X														DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)					
ONS34	Embedded	An Outline Onshore Construction Environmental Management Plan (On-CEMP) has been prepared as part of the application for development consent (document reference 7.7). On-CEMP(s) would be developed in accordance with the Outline On-CEMP. The Outline On-CEMP includes measures to manage environmental risks through the duration of the construction phase as far as reasonably practicable, including the following: • Storage of excavated materials (soils and arisings) to prevent run-off by means of temporary bunding • Storage of stockpiled materials on an impermeable surface to prevent leaching of contaminants and use of covers when not in use to prevent materials being dispersed and to protect from rain; • The implementation of dust suppression measures during construction to minimise nuisance dust emissions during the works; • A construction drainage strategy would be implemented to minimise surface water runoff and pollution; • Bulk storage areas to be secured and provided with secondary containment (in accordance with the Oil Storage Regulations and best practice); • Storage of oils and chemicals away from existing watercourses, including drainage ditches or ponds; • Use of a documented spill procedure and use of spill kits kept in the vicinity of chemical/oil storage; • The disposal of solid waste, including surplus spoil, would be managed to maximise the environmental and developmental benefits from the use of surplus material and to minimise any adverse effects of disposal. In general, the principles of the waste management hierarchy, reduce-reuse-recycle would be applied; • Potential waste arising from excavation would be sampled and analysed to determine the waste classification required to establish relevant waste streams, suitability for reuse/recycle and disposal/storage requirements; and • The Site Resource and Waste Management Plan will provide details of the broad types of waste produced during construction and will include good practice measures for managing waste generated during construction. All waste generated would be disposed of by a suitably licensed waste contractor.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X	X					X															DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Pollution Prevention Plan (document reference 7.7, Appendix A)					
ONS35	Embedded	The application of measures to maintain the operation of the farm holdings would include where reasonably practicable the following: • The maintenance and reinstatement of existing water supplies and drainage systems following construction. • The maintenance of access routes across individual fields where these are severed during construction. • The maintenance of farm access routes between fields within a farm holding • Appropriate fencing of the construction work areas within the Onshore Infrastructure Area, dependent upon the nature of the individual farm holding affected. • Appropriate construction practices to be implemented to ensure that the potential risk for the spread of animal and plant diseases is reduced where reasonably practicable. • Timing of construction works, where feasible, to minimise disruption to landowners/farming practice, through consultation with landowners.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X		X							X													DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)					
ONS36	Embedded	The design of the Proposed Development includes the routing and siting of infrastructure to minimise disturbance to land that contains high carbon stocks, such as woodland.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X		X															X						DCO Schedule 2, Requirement 7 (Management plans)	Outline Greenhouse Gas (GHG) Reduction Strategy (document reference 7.18)					
ONS37	Embedded	The design of the Onshore HVDC Cable Corridor has sought to minimise the impact on mature vegetation, hedgerows and trees both through the site selection and route refinement process and narrowing the route where it crosses important hedgerows or using existing hedgerow gaps (including Devon hedge-banks). In all instances where hedgerows and Devon hedge-banks are crossed by the Onshore HVDC Cable Corridor, they would be reinstated on a 'like-for-like' basis. Where feasible and as far as reasonably practicable, existing hedge-bank materials and root-stock would be stored and re-used to form the reinstated Devon hedge-banks, including viable woody species stools. Hedgerow reinstatement would include replanting with suitable species mixes tailored to replicate and enhance the diversity of the existing hedgerows, using appropriate native species of local provenance, where reasonably practicable. A suitably experienced hedging contractor familiar with creation of Devon hedge-banks would be appointed to complete this work.	N/A	Construction	Pre-commencement of the relevant stages of work			X	X		X	X																			DCO Schedule 2, Requirement 7 (Management plans)	Work Plans (document reference 2.3) Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)					

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						Offshore Cable Corridor	Landfall	Onshore Infrastructure Area	Abnormal Individual Loads Route	Converter Site	Onshore Ecology and Nature Conservation	Historic Environment	Hydrology and Flood Risk	Geology, Hydrogeology and Ground Conditions	Traffic and Transport	Noise and Vibration	Air Quality	Land Use and Recreation	Benthic Ecology	Fish and Shellfish Ecology	Commercial Fisheries	Marine Mammals and Turtles	Shipping and Navigation	Other Marine Users	Marine Archaeology and Cultural Heritage	Physical Processes	Offshore Ornithology	Climate Change	Landscape, Seascape and Visual Resources	Socio-economics and Tourism	Human Health						
ONS38	Embedded	Post-construction, the working area would be reinstated to pre-existing condition as far as reasonably practicable, in line with the Defra Construction Code of Practice for the Sustainable Use of Soils on Construction Sites (PB13298), Institute of Quarrying (IQ) Good Practice Guide for Handling Soils in Mineral Workings (IQ, 2021) and British Society of Soil Science (BSSS) Working with Soil Guidance Note on Benefitting from Soil Management in Development and Construction (BSSS, 2022). All haul roads, temporary construction compounds and temporary fencing would be removed, field drainage and/or irrigation would be reinstated in consultation with landowners, and the land would be reinstated to its original condition, as far as reasonably practicable. Where practicable, consideration would be given to early restoration of sections of the Onshore HVDC Cable Corridor.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X		X	X	X						X							X						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Soil Management Plan (document reference 7.7, Appendix D)				
ONS39	Embedded	The design of the Proposed Development includes mitigation measures to avoid, minimise and compensate for impacts on ecology and nature conservation. The Proposed Development design has taken into account the hierarchy of mitigation actions, which as far as reasonably practicable, include the following: • the avoidance of Important Ecological Receptors (e.g. diversion of the Onshore HVDC Cable Corridor to avoid Littleham Wood); • where complete avoidance is not possible, measures have been included to minimise and mitigate impacts (e.g. reduction in construction corridor width when crossing Devon hedgerows, use of trenchless methods to minimise impacts on habitat features such as wooded streams); • compensation for unavoidable impacts (e.g. full like-for-like replacement of hedgerows impacted by corridor); and • enhancement measures (e.g. enhancement of hedgerows and additional tree planting at selected locations along the Onshore Infrastructure Area).	N/A	Construction	Pre-commencement of the relevant stages of work			X	X	X	X	X																				DCO Schedule 1, Works DCO Schedule 2, Requirement 7 (Management plans) DCO Schedule 2, Requirement 6 (Implementation and Maintenance of landscaping)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS40	Embedded	Horizontal Directional Drilling (or other trenchless methodologies) would be utilised to allow the Onshore HVDC Cable Corridor to pass beneath the River Torridge, which is designated as a Local Nature Reserve (Kynoch's Foreshore) and County Wildlife Site at the crossing location. At this location, the HVDC Cables will pass beneath the river, its floodplain, the Tarka Trail and Lodge Plantation Unconfirmed Wildlife Site. Construction working areas associated with the River Torridge Crossing would be located outside of any designated areas. Working depths and methods would be appropriate (especially under the Torridge Estuary) to ensure that levels of noise and vibration would be reduced sufficiently to minimise impacts on migratory fish using the watercourse as far as reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work				X				X																			DCO Schedule 1, Authorised Development DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				
ONS41	Embedded	Where reasonably practicable, the construction corridor width would be reduced where the cables, haul road and site accesses are required to cross hedgerows, which are an important resource and potentially support protected species such as dormice, bats and breeding birds. This would limit the width of hedge to be removed. Methods of clearance would be implemented to further minimise impacts on these groups, as far as reasonably practicable, such as considering timings of clearance to avoid specific impacts.	N/A	Construction	Pre-commencement of the relevant stages of work			X				X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				
ONS42	Embedded	Agricultural habitats, such as improved and semi-improved grassland and arable land, would be reinstated after construction of the Onshore HVDC Cable Corridor. Excavated topsoils and subsoils would be stored separately during construction for replacement in the correct sequence, and care would be taken with regard to levels of soil compaction. Management of topsoils and subsoils would be undertaken in accordance with the Soil Management Plan(s).	N/A	Construction	Pre-commencement of the relevant stages of work		X	X				X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Soil Management Plan (document reference 7.7, Appendix D)				
ONS43	Embedded	Where possible, the cable route has avoided habitat of significant value to otters. The watercourses (Kenwith Stream, Jennett's tributary and River Torridge) identified as suitable habitat for otters have trenchless techniques proposed to cross the watercourse. Construction work sites, including trenchless installation would be located a suitable distance away from areas of habitat of high potential value to otters to minimise disturbance levels as far as reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work			X				X	X																			DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				
ONS44	Embedded	An updated survey will be undertaken for all minor watercourses affected by the proposed Onshore HVDC Cable Corridor prior to the commencement of works to ensure that no new holt or other places of rest for otters have been formed prior to the commencement of construction. If a new holt or place of rest is found, an appropriate mitigation strategy would be formulated in discussion with Natural England. If construction works are unable to avoid an impact on such a holt or place of rest, a Natural England development licence for otters would be required before works can commence.	N/A	Construction	Pre-commencement of the relevant stages of work			X				X	X																			DCO Schedule 2, Requirement 7 (Management plans) DCO Schedule 2, Requirement 10 (Protected species)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS45	Further	Where bat roosts are identified in locations which would require their destruction, damage, or where effective prevention of disturbance could not be ensured, licensing under Regulation 55 of the Conservation of Habitats and Species Regulations 2017 (as amended) would be required from Natural England.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X				X	X																			DCO Schedule 2, Requirement 10 (Protected species) DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS46	Embedded	Although no active badger setts have so far been identified, activity along the Onshore HVDC Cable Corridor would be subject to continued monitoring on a quarterly basis for a full year immediately prior to commencement of construction, to review whether badgers have excavated and commenced to inhabit any new setts in locations which might be affected by the proposed Onshore HVDC Cable Corridor or converter station construction works.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X				X	X																			DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS47	Further	In the event that newly-occupied setts were identified in locations where they would be damaged or disturbed by the construction works, a license would be applied for under the Protection of Badgers Act 1992. This would require an appropriate mitigation package to include sufficient details to understand if the sett to be affected a main sett, annexe, subsidiary or outlier and whether an artificial sett within the existing territory of the badger social group would be required. Methods to create this, if required, along with methods of exclusion of badgers from the sett and measures to permanently or temporarily close the sett, would be required.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X				X	X																			DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS48	Further	To further reduce impacts from the HDD operations on nearby designated sites or other sensitive receptors, the construction work sites would be screened with appropriate fencing or screening to act as a visual and sound barrier, where reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X				X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				
ONS49	Embedded	Clearance of all vegetation, identified as being of potential value to birds for nesting, would be undertaken outside of the bird nesting season, where reasonably practicable. If this is not reasonably practicable, the vegetation requiring removal would be subject to a nesting bird check by a suitably qualified Ecological Clerk of Works. If nesting birds are present, the vegetation will not be removed until the young have fledged or the nest failed. Following removal and works, habitat reinstatement would be carried out for renewed opportunities for bird nesting, once re-established.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X	X	X	X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS50	Embedded	Measures to minimise disturbance to birds as far as reasonably practicable using particularly important features such as the Landfall and Torridge Estuary would be put in place. This would include the erection of temporary visual/sound barriers around work sites associated with the HDD on both sides of the estuary. Where works on the Onshore HVDC Cable Corridor (outside of the HDD work sites) lie within 100 m of any habitats likely to be used for wintering water birds, works should be timed to avoid the period when they are present (November to February inclusive).	N/A	Construction	Pre-commencement of the relevant stages of work		X	X				X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				
ONS51	Further	Areas of high potential value to reptiles, which could be affected by construction works, would be subject to phased habitat degradation in order to encourage reptiles to evacuate the construction areas prior to the commencement of works. Immediately prior to clearance of remaining vegetation and earthworks, an update survey would be required to ensure that any present reptiles are temporarily removed to good (not degraded) habitat either side of the works. Details and methodologies are included within the Outline On-CEMP, submitted with the application for development consent.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X	X	X	X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS52	Embedded	A dedicated and suitably qualified Ecological Clerk(s) of Works (ECoW(s)) for the Proposed Development would be employed to ensure that construction activities comply with the On-CEMP and LEMP.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X	X	X	X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Outline Landscape and Ecology Management Plan (document reference 7.10)				
ONS53	Further	Management measures to control the spread of plant and animal disease will be set out in the Biosecurity Protocol, which would be developed and agreed with relevant statutory consultees prior to the commencement of construction. The Biosecurity Protocol would form part of the final On-CEMP(s) and would contain measures to address as far as reasonably practicable the following: • To prevent the spread of any INNS identified during field surveys within the Onshore Infrastructure Area. • To identify and prevent the spread of other INNS which may be identified within the Onshore Infrastructure Area during pre-construction surveys and monitoring. • To prevent the spread of notifiable animal disease, plant pests and plant pathogens.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X	X	X	X																				DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)				

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ONS54	Further	In relation to dormice, details and methodologies for hedgerow removal are included within the Outline On-CEMP (document reference 7.7) and under licence. These measures would be followed in instances where the creation of gaps in hedgerows are necessary. These could include: • clearance works would be carried out at times when the risk of injury to individual dormice are minimised, taking into account dormouse ecology and behaviour. This would mean that upstanding vegetation is cut and removed during the winter period when dormice are hibernating in nests at ground level, with grubbing out of roots and hedge banks undertaken from May to September, when dormice would be active and using the tree canopy. • construction areas would be carefully searched as far as reasonably practicable prior to clearance operations. If any dormice are encountered, they would be moved to suitable, safe locations beyond the working areas but within their existing range (in accordance with guidance in the Dormouse Conservation Handbook). • prior to the construction phase, habitat reinforcement, e.g., dormouse nest boxes, would be implemented beyond the areas of habitat removal. This would be applied in areas where any dormice displaced by the habitat clearance is likely to go. • once the construction phase is completed, the reinstatement and enhancement of any dormouse habitat would be undertaken.	N/A	Construction	Pre-commencement of the relevant stages of work		X	X	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

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ONS70	Embedded	An Operational Drainage Strategy would be developed post-consent, in accordance with the outline drainage strategy that has been provided as part of the application for development consent (document reference 7.22). The Operational Drainage Strategy would include measures to limit discharge rates and attenuate flows to maintain greenfield runoff rates at the Converter Site. The Operational Drainage Strategy would be developed as far as reasonably practicable in line with the latest relevant drainage guidance.	N/A	Operation and Maintenance	Pre-commencement of the relevant stages of work																													DCO Schedule 2, Requirement 13 (Operational drainage)	Outline Drainage Strategy (document reference 7.22) Design Principles (7.4)		
ONS71	Embedded	Land Drainage consents will be sought where required from the Devon County Council (as Lead Local Flood Authority) in consultation with the Environment Agency.	N/A	Operation and Maintenance	Pre-commencement of the relevant stages of work	X	X		X				X																					DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)		
ONS72	Embedded	Consents/permits relating to dewatering activities that may affect surface water and / or groundwater are to be obtained from the Environment Agency as and when required during the construction phase of the Project. The permitting authority will decide the conditions of the consent to ensure that construction does not result in significant alteration to the hydrological regime or an increase in fluvial risk as far as reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X		X				X																					DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)		
ONS73	Embedded	A detailed dewatering strategy would be produced upon completion of the ground investigation and confirmation of final design parameters, prior to the commencement of construction.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X		X				X	X																					DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS74	Embedded	Prior to the commencement of construction works, a risk assessment would be undertaken for identified sensitive surface and groundwater receptors, including springs, private water supplies and ordinary watercourses to identify the need for further investigations such as a water features survey. The work would inform any mitigation measures required to minimise potential impacts as far as reasonably practicable. Where a potential impact is identified concerning Gammaton Reservoirs, options to mitigate this impact will be developed based upon the findings of the risk assessment and in consultation with relevant stakeholders, incorporating feedback as far as reasonably practicable.	N/A	Construction	Pre-commencement of the relevant stages of work			X					X	X																					DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS75	Embedded	A Flood Management Plan will form part of the final On-CEMP and will be prepared for works taking place within a Flood Warning/Flood Alert area. During the construction phase the Principal Contractor will sign up to the Flood Warning Service and will be alerted by a phone call or text when a Flood Warning becomes active to enable site personnel to be evacuated from the site in a timely manner prior to a flood event occurring.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X	X	X				X																						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS76	Embedded	Prior to construction, geomorphological surveys would be undertaken on ordinary watercourses that may be crossed by trenched techniques. Surveys would be used to inform detailed design of crossing methodologies prior to construction. Indicative crossing methodologies are presented within Volume 1 Appendix 3.2: Onshore Crossing Schedule of the ES.	N/A	Construction	Pre-commencement of the relevant stages of work			X					X																						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7) Volume 1, Appendix 3.2: Onshore Crossing Schedule of the ES	
ONS77	Embedded	If ground surveys confirm presence of contamination, the construction of piled foundations would use mitigation measures as defined in the following guidance: Piling and Penetrative Ground Improvement Methods on Land Affected by Contamination: Guidance on Pollution Prevention (EA, 2001), or latest relevant available guidance.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X		X				X																						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS78	Embedded	Where required, trenched techniques may be used for minor ditches or smaller watercourses that are frequently dry. In these cases, measures would be implemented as far as reasonably practicable to protect water quality and flow and these would be detailed within the On-CEMP(s).	N/A	Construction	Pre-commencement of the relevant stages of work			X					X																						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS79	Embedded	In order to manage impacts to field drainage, the Outline On-CEMP stipulates that the contractor would develop field drainage plans in consultation with the relevant landowners. If required, and as far as reasonably practicable, additional field drainage would be installed to ensure the existing drainage of the land is maintained during and after construction.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X						X																						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS80	Further	Fences, walls, ditches and drainage outfalls will be retained at the Landfall and along the Onshore HVDC Cable Corridor and HVAC Cable Corridors, where reasonably practicable. Where it is not reasonably practicable to retain them, any damage will be repaired and reinstated. The EA must be notified if damage occurs to any EA main river or related flood infrastructure.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X						X																						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS81	Embedded	The design aims for any surplus excavated materials (soils and rocks) generated by the Proposed Development to be reused, where reasonably practicable. The reuse of these materials will require demonstration that they are both environmentally and geotechnically suitable.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X	X	X					X																					DCO Schedule 2, Requirement 7 (Management plans)	Outline Site Resource and Waste Management Plan (SRWMP) forms Appendix B to the Outline On-CEMP (document reference 7.7)	
ONS82	Embedded	Construction activities would be undertaken in line with the Onshore Construction Environmental Management Plan(s) (On-CEMP(s)), Offshore CEMP(s) and relevant health and safety guidance. Contractors would consider adverse weather in the development of risk assessments and when scheduling works. Further measures to appropriately manage and respond to extreme weather events as far as reasonably practicable would be detailed within the On-CEMP(s) and Offshore CEMP(s).	N/A	Construction	Pre-commencement of the relevant stages of work	X	X	X	X	X																		X							DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS83	Embedded	The Converter Site would be designed in line with the Design Principles Document (document reference 7.4) that accompanies the application for development consent. The converter stations and associated electrical equipment would be designed in line with durability quality standards and guidance or Government guidelines as far as reasonably practicable.	N/A	Operation and Maintenance	Pre-commencement of the relevant stages of work					X																		X							DCO Schedule 2, Requirement 4 (detailed design approval)	Design Principles (document reference 7.4)	
ONS84	Embedded	With respect to climate, a Landscape and Ecology Management Plan(s) (LEMP(s)) would be developed in accordance with the Outline LEMP, which forms part of the application for development consent. The LEMP would detail the design of the landscaping plan across the Proposed Development and the planting specification, which would include the selection of species that are resilient to future climatic changes of the local environment.	N/A	Operation and Maintenance	Pre-commencement of the relevant stages of work		X	X		X																		X							DCO Schedule 2, Requirement 4 (Detailed design) DCO Schedule 2, Requirement 6 (Implementation and Maintenance of landscaping)	Outline Landscape and Ecology Management Plan (document reference 7.10)	
ONS85	Embedded	In order to avoid impacts to land within Flood Zone 3, the location of stockpiled materials would be positioned outside of areas of Flood Zone 3, over 8 m from ordinary watercourses and non-tidal Main Rivers and over 16 m from tidal Main Rivers. There would also be no alterations to the ground profile within areas of Flood Zone 3.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X		X				X																						DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS86	Further	Construction site lighting would only operate when required and would be designed, positioned and directed to avoid unnecessary illumination of adjacent properties, sensitive ecological receptors and users of public footpaths as far as reasonably practicable. Construction site lighting will be designed in accordance with latest relevant available guidance and legislation and the details of the location, height, design and luminance of lighting to be used will be detailed within the Onshore Construction Environmental Management Plan(s) (On-CEMP(s)). The design of the construction site lighting will accord with the details provided in the Outline On-CEMP.	N/A	Construction	Pre-commencement of the relevant stages of work	X	X	X	X	X	X	X																							DCO Schedule 2, Requirement 7 (Management plans)	Outline Construction Environmental Management Plan (On-CEMP) (document reference 7.7)	
ONS87	Further	Operational lighting at the Converter Site would be designed in accordance with the Design Principles Statement (document reference 7.4), as well as the latest guidance and legislation. The details of the location, height, design and luminance of lighting to be used would be provided as part of the detailed design. The operational lighting would be designed to avoid illumination of areas beyond the operational site as far as reasonably practicable. The design would include: - directional lighting to minimise overspill into the surrounding landscape. - operational outdoor lighting at the Converter Site boundary normally set to motion-activated security lighting.	N/A	Operation and Maintenance	Pre-commencement of the relevant stages of work					X		X																							DCO Schedule 2, Requirement 4 (Detailed design approval)	Design Principles (document reference 7.4)	

Commitment / Mitigation Reference	Mitigation / Commitment Type (Embedded, Further, or Enhancement)	Commitment / Mitigation	Monitoring (if necessary)	Proposed Development Phase	Delivery (when) (e.g. pre-commencement)	Project Element				Onshore Topic Relevance										Offshore Topic Relevance							Combined Topic Relevance					How is the commitment secured?	Associated Supporting Documentation	Compliance date and details (to be completed once compliance is achieved)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
						Offshore Cable Corridor	Landfall	Onshore Infrastructure Area	Abnormal Indivisible Loads Route	Converter Site	Onshore Ecology and Nature Conservation	Historic Environment	Hydrology and Flood Risk	Geology, Hydrogeology and Ground Conditions	Traffic and Transport	Noise and Vibration	Air Quality	Land Use and Recreation	Benthic Ecology	Fish and Shellfish Ecology	Commercial Fisheries	Marine Mammals and Turtles	Shipping and Navigation	Other Marine Users	Marine Archaeology and Cultural Heritage	Physical Processes	Offshore Ornithology	Climate Change	Landscapes, Seascapes and Visual Resources	Socio-economics and Tourism	Human Health																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
ONS88	Embedded	Normal construction working hours would be Monday to Friday 07:00-19:00 and Saturday 07:00-13:00. However, some operations may require work to take place outside these times. For example, abnormal indivisible loads (AIL) may be encouraged or required to travel overnight and crossings of roads may be constructed overnight to minimise disruption to traffic. In certain circumstances, specific works may have to be undertaken on a continuous working basis (00:00 to 00:00, Monday to Sunday). During this period, the contractor may undertake activities that require continuous working hours, which will be notified to the relevant local authority in writing. These activities include, but may not be limited to: • HDD (or other trenchless technology) operations. These activities may require 24-hour machinery operation, dependent on the ground conditions; • continuous concrete pours; • converter station component installation; • oil filling of transformers at the converter stations; • jointing operations along the Onshore HVDC Cable Corridor; and • testing and commissioning. The normal working hours exclude start up and close down activities, which could take place up to one hour either side of the normal working hours. This includes the following activities: • arrival and departure of the workforce at the site and movement around the main Proposed Development that does not require the use of plant; • site inspections and safety checks; and • site housekeeping that does not require the use of plant.						X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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						Offshore Cable Corridor	Landfall	Onshore Infrastructure Area	Abnormal Indivisible Loads	Route	Converter Site	Onshore Ecology and Nature Conservation	Historic Environment	Hydrology and Flood Risk	Geology, Hydrogeology and Ground Conditions	Traffic and Transport	Noise and Vibration	Air Quality	Land Use and Recreation	Benthic Ecology	Fish and Shellfish Ecology	Commercial Fisheries	Marine Mammals and Turtles	Shipping and Navigation	Other Marine Users	Marine Archaeology and Cultural Heritage	Physical Processes	Offshore Ornithology	Climate Change	Landscape, Seascape and Visual Resources	Socio-economics and Tourism	Human Health					
OFF10	Embedded	The HDD drill system will be designed to allow for the monitoring of pressure loss and therefore provision for the rapid identification of potential break out.	Via Bentonite Breakout Plan	Construction	Pre-commencement of the relevant stages of work	X	X											X	X														Outline Bentonite Breakout Plan requirement of the Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Bentonite Breakout Plan (document reference 7.20)			
OFF11	Embedded	The Navigational Safety and Vessel Management Plan (NSVMP) will confirm the types and numbers of vessels that would be engaged on the Proposed Development and consider vessel coordination including indicative transit route planning. The NSVMP will include protocols for vessel communications, lighting and maintenance of "safe" distances (which will be monitored by guard vessels during the construction period). An outline NSVMP is provided as Volume 3, Appendix 5.2 Navigational Safety and Vessel Management Plan of the ES; the NSVMP will be updated to final by the offshore construction contractor.	Contractor reporting (due diligence)	All phases, notably construction	Pre-commencement of the relevant stages of work	X												X	X	X	X	X		X									Requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Offshore Construction Environmental Management Plan (document reference 7.9)			
OFF12	Embedded	Route optimisation studies, including multiple desktop studies and marine investigation surveys, have informed the routing of the Offshore Cable Corridor to avoid sensitive locations where possible and as far as reasonably practicable (including known sites of archaeological interest).	n/a	All phases	Pre-commencement of the relevant stages of work	X												X	X	X	X	X	X	X	X	X							The OCC is defined in the deemed Marine Licence (DML) authorised scheme grid coordinates.	N/A			
OFF13	Embedded	A Fisheries Liaison Officer (FLO) will be appointed throughout the construction phase. The FLO will support ongoing liaison between the Applicant and commercial fishery stakeholders.	n/a	Construction	Pre-commencement of the relevant stages of work	X													X		X													Listed requirement of the Deemed Marine Licence.	N/A		
OFF14	Embedded	Compliance with international legislation will be expected of all Proposed Development vessels as set out in the Navigational Safety and Vessel Management Plan. This includes the International Regulations for Preventing Collisions at Sea (COLREGs) 1972 and International Convention for the Safety of Life at Sea (SOLAS) 1974.	Contractor reporting (due diligence)	All phases	Pre-commencement of the relevant stages of work	X													X		X	X												Via common legislation. Also pre-requisite of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Offshore Construction Environmental Management Plan (document reference 7.9)		
OFF15	Embedded	Cable installation vessels and support vessels will display appropriate lights and marks at all times, and where possible, broadcast their status on AIS (Automatic Identification System). This will include indication of the nature of the work in progress and highlight their restricted manoeuvrability.	Contractor reporting (due diligence)	All phases	Pre-commencement of the relevant stages of work	X													X		X													Via NSVMP which is a requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Appendix 5.2 Outline Navigational Safety and Vessel Management Plan		
OFF16	Embedded	Guard vessel(s) will be employed to work alongside the installation vessel(s) during the construction period. These will alert as far as reasonably practicable third-party vessels to the presence of the installation activity and provide support in the event of an emergency.	Contractor reporting (due diligence)	All phases	Pre-commencement of the relevant stages of work	X													X		X	X												Via NSVMP which is a requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Appendix 5.2 Outline Navigational Safety and Vessel Management Plan		
OFF17	Embedded	Passing vessels will be requested to maintain a "safe" distance from installation vessels restricted in manoeuvrability. This will be monitored where required by guard vessel(s). Procedures will be set out in the final Navigational Safety and Vessel Management Plan (an Outline Navigational Safety and Vessel Management Plan is presented with the application for DCO, as Volume 3, Appendix 5.2).	Contractor reporting (due diligence)	All phases	Pre-commencement of the relevant stages of work	X													X		X	X												Via NSVMP which is a requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Appendix 5.2 Outline Navigational Safety and Vessel Management Plan		
OFF18	Embedded	Data will be shared with the UK Hydrographic Office and the Marine Management Organisation in accordance with the Deemed Marine Licence, for inclusion on Admiralty Charts (with associated note/warning about anchoring, trawling or seabed interaction).	n/a	Construction	Pre-commencement of the relevant stages of work	X													X		X	X												Data sharing with UKHO provisioned on DML.	N/A		
OFF19	Embedded	A dropped objects procedure will be put in place detailing the requirements and procedures for vessel operators to identify, record, notify the MMO and, as far as reasonably practicable where -required by the procedure, recover dropped objects. The dropped objects procedure will form part of the final Offshore CEMP which will be finalised by the offshore contractor).	Inherent monitoring requirements.	All phases	Pre-commencement of the relevant stages of work	X	X												X		X	X												Via the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Offshore Construction Environmental Management Plan (document reference 7.9)		
OFF20	Further	The dedicated project FLO will engage with local fishers to minimise potential disruption as far as reasonably practicable. Any claim of loss of / or damage to fishing gear will be processed, in line with protocols laid out within the guidance produced by the Fishing Liaison with Offshore Wind and Wet Renewables Group (FLOWW) and "Recommendations for Fisheries Liaison: Best Practice", in particular section 9: Dealing with claims for loss or damage of gear (Further mitigation).	n/a	All Phases	Relevant phase of activity	X																													Requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Offshore Construction Environmental Management Plan (document reference 7.9)	
OFF21	Embedded	Compass deviation effects will be minimised as far as reasonably practicable through cable design (bundled bipole installation) and burial. If there are any changes in the design and it cannot be demonstrated that MCA requirements for compass deviation can be met, a post-construction compass deviation survey will be undertaken.	Inherent monitoring requirements.	Post-construction	Pre-commencement of the relevant stages of work	X																													Via NSVMP which is a requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Appendix 5.2 Outline Navigational Safety and Vessel Management Plan	
OFF22	Embedded	Relevant policy guidance on water depth reduction has been followed during the design of the project. During final engineering design and construction, should any areas be identified where cable protection is required and the Maritime and Coastguard Agency (MCA) condition of no more than 5% reduction in water depth is not achievable as far as reasonably practicable, a location specific review of impacts to shipping and consultations with the MCA will be carried out to agree additional mitigations as required.	As built plans to be shared with MCA	All phases (likely focus on construction)	Pre-commencement of the relevant stages of work	X																													Via NSVMP which is a requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Appendix 5.2 Outline Navigational Safety and Vessel Management Plan	
OFF23	Embedded	Information pertinent to navigation will be promulgated via NIM, Kingfisher bulletins, the Kingfisher Information Service – Offshore Renewable & Cable Awareness (KIS-ORCA) service, Radio Navigational Warnings on Very High Frequency (VHF) radio, Navigational Telex (NAVTEX), and/or broadcast warnings in advance of and during the offshore works. Details to be set out in the Navigational Safety and Vessel Management Plan.	Inherent monitoring requirements.	All phases	Pre-commencement of the relevant stages of work	X															X	X													Via NSVMP which is a requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Appendix 5.2 Outline Navigational Safety and Vessel Management Plan	
OFF24	Embedded / Further	Regular liaison will be undertaken with the pilotage service at Bideford to reduce potential for any impact on vessel access and disruption to local shipping activities as far as reasonably practicable.	n/a	All phases	Pre-commencement of the relevant stages of work (embedded); during relevant stages of work (further)	X															X														Via NSVMP which is a requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Appendix 5.2 Outline Navigational Safety and Vessel Management Plan	
OFF25	Embedded	Cable crossing and proximity agreements will to be entered into with asset owners as far as reasonably practicable. Crossing design will adhere to industry standard to minimise fishing gear snagging risk.	n/a	Construction	Pre-commencement of the relevant stages of work	X													X		X	X													Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Offshore Construction Environmental Management Plan (document reference 7.9)	
OFF26	Further	Archaeological assessment of available data - Offshore geophysical surveys (including future UXO surveys as necessitated) and any additional offshore geotechnical campaigns undertaken pre-construction (if required) will be subject to archaeological review, where relevant in consultation with Historic England. Relevant results from geotechnical surveys will be released / shared with Archaeology Data Service (ADS), with the aim to enhance the paleogeographic knowledge and understanding of the area as far as reasonably practicable.	Inherent monitoring requirements.	All phases (likely focus on construction)	Pre-commencement of the relevant stages of work	X																X													Outline Offshore Archaeological Written Scheme of Investigation (document ref. 6.3), secured in the Deemed Marine Licence.	Outline Offshore Archaeological Written Scheme of Investigation (document reference 6.3)	
OFF27	Embedded / Further	Protocol for Archaeological Discoveries (PAD) - Additional unknown or unexpected cultural heritage and marine heritage features identified during the project stages will be reported utilising the project specific PAD, which is appended to the ES (Volume 3, Appendix 7.6 Protocol for Archaeological Discoveries of the ES) and which is an integrated requirement of the OOWSI.	n/a (the PAD is a monitoring framework).	All phases	Relevant phase of activity	X																X													Outline Offshore Archaeological Written Scheme of Investigation (document ref. 6.3), secured in the Deemed Marine Licence. Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Offshore Archaeological Written Scheme of Investigation (document reference 6.3) Outline Offshore Construction Environmental Management Plan (document reference 7.9)	

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						Offshore Cable Corridor	Landfall	Onshore Infrastructure Area	Abnormal Individual Loads	Route	Converter Site	Onshore Ecology and Nature Conservation	Historic Environment	Hydrology and Flood Risk	Geology, Hydrogeology and Ground Conditions	Traffic and Transport	Noise and Vibration	Air Quality	Land Use and Recreation	Benthic Ecology	Fish and Shellfish Ecology	Commercial Fisheries	Marine Mammals and Turtles	Shipping and Navigation	Other Marine Users				Marine Archaeology and Cultural Heritage	Physical Processes	Offshore Ornithology	Climate Change	Landscape, Seascape and Visual Resources	Socio-economics and Tourism	Human Health	
OFF28	Embedded / Further	An Offshore Outline Archaeological Written Scheme of Investigation (OOWSI) accompanies the ES, with site-specific WSIs produced prior to commencing construction to inform specific investigation activities to record cultural heritage assets and subsequently the production of a post-excavation report and, if warranted, further dissemination of results, i.e. publication in relevant journals or the production of a monograph. An OOWSI is presented within the application for DCO as Volume 3, Appendix 7.5 Outline Offshore Archaeological Written Scheme of Investigation of the ES.	Inherent monitoring requirements.	All phases	Relevant phase of activity	X																											Specified requirement of the DML.	N/A		
OFF29	Embedded	100m Archaeological Exclusion Zones (zone in which no construction activities will take place) are committed around the extents of known (x1 site identified) wreck sites and anomalies of archaeological interest. This commitment will lead to archaeological preservation <i>in-situ</i> .	Post construction survey validation	All phases	Pre-commencement of the relevant stages of work	X																												Outline Offshore Archaeological Written Scheme of Investigation (document ref. 6.3), secured in the Deemed Marine Licence.	Outline Offshore Archaeological Written Scheme of Investigation (document reference 6.3)	
OFF30	Embedded	100m Archaeological Exclusion Zones (zone in which no construction activities will take place) are committed around the recorded point locations of a) previously recorded sites that have not been seen in the geophysical data but at which archaeological material is likely to be present, possibly buried, and b) around magnetic anomalies interpreted (based on their magnetic anomalies) as substantial ferrous debris but buried with no surface expression. There are x3 such point locations identified (in total). This commitment will lead to archaeological preservation <i>in-situ</i> .	Post construction survey validation	All phases	Pre-commencement of the relevant stages of work	X																												Outline Offshore Archaeological Written Scheme of Investigation (document ref. 6.3), secured in the Deemed Marine Licence.	Outline Offshore Archaeological Written Scheme of Investigation (document reference 6.3)	
OFF31	Embedded	30m Archaeological Exclusion Zones (zone in which no construction activities will take place) are committed around the extent of likely anthropogenic debris. There are x1 such points identified. This commitment will lead to archaeological preservation <i>in-situ</i> .	Post construction survey validation	All phases	Pre-commencement of the relevant stages of work	X																												Outline Offshore Archaeological Written Scheme of Investigation (document ref. 6.3), secured in the Deemed Marine Licence.	Outline Offshore Archaeological Written Scheme of Investigation (document reference 6.3)	
OFF32	Embedded	Geophysical anomalies identified within the offshore archaeological assessment will be avoided where possible by micro-routing as far as reasonably practicable. Where this is not possible the Offshore Written Scheme of Investigation will provide the framework for potential further actions (an Outline Offshore Archaeological Written Scheme of Investigation is presented with the application for DCO as document ref. 6.3.7.5). This commitment will lead to archaeological preservation <i>in-situ</i> .	Post construction survey validation	All phases	Pre-commencement of the relevant stages of work	X																												Outline Offshore Archaeological Written Scheme of Investigation (document ref. 6.3), secured in the Deemed Marine Licence.	Outline Offshore Archaeological Written Scheme of Investigation (document reference 6.3)	
OFF33	Embedded	Further investigation of identified anomalies and previously recorded sites that cannot be avoided by micro-routing of design will be undertaken within the framework of the Offshore Written Scheme of Investigation (an Outline Offshore Archaeological Written Scheme of Investigation is presented with the application for DCO as document ref. 6.3.7.5).	Post construction survey validation	All phases	Pre-commencement of the relevant stages of work	X																												Outline Offshore Archaeological Written Scheme of Investigation (document ref. 6.3), secured in the Deemed Marine Licence.	Outline Offshore Archaeological Written Scheme of Investigation (document reference 6.3)	
OFF34	Embedded / Further	All potential sediment disturbance activities in Bideford Bay are to avoid peak spring tides and significant wave activity, to limit any potential for sediment mobilisation as far as reasonably practicable. These activities would include the excavation / sediment clearance at the HDD exit pits and trenching works.	None specifically required. Works logs provide informal monitoring.	Construction	Construction phase	X	X										X	X	X	X	X	X	X	X	X								Requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Volume 3, Chapter 8: Physical Processes of the ES. Volume 3, Appendix 8.1 Sediment source concentrations and assessment of disturbance.		
OFF35	Further	Geophysical survey and associated marine archaeological review of these data will be undertaken of the area to the east of blocks U28 and U29 where there are data gaps. (These data gaps were introduced following expansion of the Offshore Cable Corridor to allow flexibility and increased separation distance from potential future infrastructure in The Crown Estate's Project Development Area 3) Final micro-routing in this area would rely on post-consent geophysical surveys undertaken at the time of/in combination with the Unexploded Ordnance surveys.	Inherent monitoring requirements.	Construction	Construction phase	X											X	X	X	X	X	X	X	X	X								Requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	Outline Offshore Construction Environmental Management Plan (document reference 7.9)		
OFF36	Embedded	All construction activities undertaken on the seabed including boulder clearance activities (inclusive of the depositing of moved boulders) will remain entirely within the Offshore Cable Corridor, and a minimum distance of 20 m from any Marine Conservation Zone boundary.	None specifically required. Noting relevance of post-lay surveys.	Construction	Route preparation and construction phase	X											X	X	X														Requirement of the Outline Offshore Construction Environmental Management Plan (Outline Offshore CEMP) (document ref. 7.9). Offshore CEMP secured in the Deemed Marine Licence.	N/A	Not a compliance requirement. However post-lay environmental survey data share anticipated with SNCBs.	
OFF37	Embedded	Ministry of Defence (Defence Infrastructure Organisation) will be provided with details of as laid rock protection and post-installation survey data.	n/a	Post-construction	Route preparation and construction phase	X																												Specified requirement of the DML.	N/A	