

MORGAN AND MORECAMBE OFFSHORE WIND FARMS: TRANSMISSION ASSETS

Environmental Statement

Volume 1, Annex 5.3: Commitments Register



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Glossary

Term	Meaning
400 kV grid connection cables	Cables that will connect the proposed onshore substations to the existing National Grid Penwortham substation.
400 kV grid connection cable corridor	The corridor within which the 400 kV grid connection cables will be located.
Applicants	Morgan Offshore Wind Limited (Morgan OWL) and Morecambe Offshore Windfarm Ltd (Morecambe OWL).
Code of Construction Practice	A document detailing the overarching principles of construction, contractor protocols, 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.
Development Consent Order	An order made under the Planning Act 2008, as amended, granting development consent.
Direct pipe	A cable installation technique which involves the use of a mini (or micro) tunnel boring machine and a hydraulic (or other) thruster rig to directly install a steel pipe between two points.
Dust	Solid particles suspended in air or settled out onto a surface after having been suspended in air, as defined by the Institute of Air Quality Management.
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.
Export cable corridor	The specific corridor of seabed (seaward of Mean High Water Springs and land (landward of Mean High Water Springs) from the Generation Assets to the National Grid Penwortham substation.
Generation Assets	The generation assets associated with the Morgan Offshore Wind Project and the Morecambe Offshore Windfarm include the offshore wind turbines, inter-array cables, offshore substation platforms and platform link (interconnector) cables to connect offshore substations.
Greenhouse gas	A gas that absorbs and emits radiant energy within the thermal infrared range, causing the greenhouse effect. Examples include carbon dioxide and methane.
Horizontal directional drilling	A trenchless technique for installing cables and cable ducts involving drilling in an arc between two points.
Intertidal Infrastructure Area	The temporary and permanent areas between MLWS and MHWS.

Term	Meaning
Landfall	The area in which the offshore export cables make landfall (come on shore) and the transitional area between the offshore cabling and the onshore cabling. This term applies to the entire landfall area at Lytham St. Annes between Mean Low Water Springs and the transition joint bay inclusive of all construction works, including the offshore and onshore cable routes, intertidal working area and landfall compound(s).
Local Highway Authority	A body responsible for the public highways in a particular area of England and Wales, as defined in the Highways Act 1980.
Local Planning Authority	The local government body (e.g., Borough Council, District Council, etc.) responsible for determining planning applications within a specific area.
Main rivers	The term used to describe a watercourse designated as a Main River under the Water Resources Act 1991 and shown on the Main River Map. These are usually larger rivers or streams and are managed by the Environment Agency.
Marine Guidance Note	A system of guidance notes issued by the Maritime and Coastguard Agency which provide significant advice relating to the improvement of the safety of shipping and of life at sea, and to prevent or minimise pollution from shipping.
Mean High Water Springs	The height of mean high water during spring tides in a year.
Mean Low Water Springs	The height of mean low water during spring tides in a year.
Method Statements	A document that describes how a particular task or action should be undertaken correctly.
Micro-tunnel	A tunnelling technique involving the use of a hydraulic (or other) jacking rig and a mini (or micro) tunnel boring machine to install a concrete tunnel between two points.
Morecambe Offshore Windfarm: Generation Assets	The offshore generation assets and associated activities for the Morecambe Offshore Windfarm.
Morecambe Offshore Windfarm: Transmission Assets	The offshore export cables, landfall and onshore infrastructure required to connect the Morecambe Offshore Windfarm to the National Grid.
Morecambe OWL	Morecambe Offshore Windfarm Limited is a joint venture between Zero-E Offshore Wind S.L.U. (Spain) (a Cobra group company) (Cobra) and Flotation Energy Ltd.
Morgan and Morecambe Offshore Wind Farms: Transmission Assets	The offshore and onshore infrastructure connecting the Morgan Offshore Wind Project and the Morecambe Offshore Windfarm to the national grid. This includes the offshore export cables, landfall site, onshore export cables, onshore substations, 400 kV grid connection cables and associated grid connection infrastructure such as circuit breaker compounds.
Morgan Offshore Wind Project: Generation Assets	The offshore generation assets and associated activities for the Morgan Offshore Wind Project.
Morgan Offshore Wind Project: Transmission Assets	The offshore export cables, landfall and onshore infrastructure required to connect the Morgan Offshore Wind Project to the National Grid.
Morgan OWL	Morgan Offshore Wind Limited is a joint venture between bp Alternative Energy investments Ltd. and Energie Baden-Württemberg AG (EnBW).

Term	Meaning
Offshore export cables	The cables which would bring electricity from the Generation Assets to the landfall.
Offshore export cable corridor	The corridor within which the offshore export cables will be located.
Onshore export cables	The cables which would bring electricity from the landfall to the onshore substations.
Onshore export cable corridor	The corridor within which the onshore export cables will be located.
Onshore Infrastructure Area	The area within the Transmission Assets Order Limits landward of Mean High Water Springs. Comprising the offshore export cables from Mean High Water Springs to the transition joint bays, onshore export cables, onshore substations and 400 kV grid connection cables, and associated temporary and permanent infrastructure including temporary and permanent compound areas and accesses. Those parts of the Transmission Assets Order Limits proposed only for ecological mitigation/biodiversity benefit are excluded from this area.
Onshore substations	The onshore substations will include a substation for the Morgan Offshore Wind Project: Transmission Assets and a substation for the Morecambe Offshore Windfarm: Transmission Assets. These will each comprise a compound containing the electrical components for transforming the power supplied from the generation assets to 400 kV and to adjust the power quality and power factor, as required to meet the UK Grid Code for supply to the National Grid.
Order limits	The limits within which the Transmission Assets may be carried out.
Ordinary Watercourses	Watercourses (such as a river, stream, ditch, cut, sluice, dyke or non-public sewer) that are not designated a Main River under the Water Resources Act (1991). Responsibility for management lies with the Lead Local Flood Authority, or Internal Drainage Board for some watercourses where there is an Internal Drainage District.
Preliminary Environmental Information Report	A report that provides preliminary environmental information in accordance with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017. This is information that enables consultees to understand the likely significant environmental effects of a project and which helps to inform consultation responses.
Safety zones	An area around a structure or vessel which should be avoided.
Scoping Opinion	Sets out the Planning Inspectorate's response (on behalf of the Secretary of State) to the Scoping Report prepared by the Applicants. The Scoping Opinion contains the range of issues that the Planning Inspectorate, in consultation with statutory stakeholders, has identified should be considered within the Environmental Impact Assessment process.
Special Protection Areas	A site designation specified in the Conservation of Habitats and Species Regulations 2017, classified for rare and vulnerable birds, and for regularly occurring migratory species. Special Protection Areas contribute to the national site network.
Substation	Part of an electrical transmission and distribution system. Substations transform voltage from high to low, or the reverse by means of electrical transformers.
The Secretary of State for Energy Security and Net Zero	The decision maker with regards to the application for development consent for the Transmission Assets.

Term	Meaning
Transmission Assets	See Morgan and Morecambe Offshore Wind Farms: Transmission Assets (above)
Transmission Assets Order Limits	The area within which all components of the Transmission Assets will be located, including areas required on a temporary basis during construction and/or decommissioning

Acronyms

Acronym	Meaning
AEZ	Archaeological Exclusion Zone
CoT	Project Commitment
CAA	Civil Aviation Authority
DEFRA	Department for Environment, Food & Rural Affairs
CBRA	Cable Burial Risk Assessment
CLFO	Company Fisheries Liaison Officer
CSIP	Cable Specification Specificaion Installation Plan
DCO	Development Consent Order
EIA	Environmental Impact Assessment
ECCs	Export Cable Corridors
EMF	Electro-Magnetic Field
FLOWW	Fishing Liaison with Offshore Wind and Wet Renewables Group
HDD	Horizontal directional drilling
HGV	Heavy Goods Vehicle
IEMA	Institute for Environmental Management and Assessment
MCA	Maritime and Coastguard Agency
MCZ	Marine Conservation Zone
MMO	Marine Management Organisation
MMMP	Marine Mammal Mitigation Protocol
PAD	Protocol for Archaeological Discoveries
PEIR	Preliminary Environmental Information Report
RPSS	Route Planning and Site Selection
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest
TAEZ	Temporary Archaeological Exclusion Zones

Acronym	Meaning
UKHO	United Kingdom Hydrographic Organisation
WSI	Written Scheme of Investigation

Units

Unit	Description
km	Kilometre
kV	Kilovolt
nm	Nautical mile

1 Commitments Register

1.1 Overview

- 1.1.1.1 The Applicants are proposing a number of embedded and secondary measures as part of the Environmental Impact Assessment (EIA) process in order to avoid, reduce or mitigate impacts where possible. The Applicants' approach to EIA is detailed within Volume 1, Chapter 5: Environmental Assessment Methodology of the Environmental Statement (document reference F1.5).
- 1.1.1.2 For the purposes of the EIA process, the term 'Measures adopted as part of the Transmission Assets' is used to include the following types of mitigation measures (adapted from IEMA, 2016).
- Embedded mitigation – both primary (inherent) mitigation and tertiary (inexorable) measures. Primary measures are those taken during the iterative design process and described with the project description. 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*'. IEMA describes tertiary measures 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*'.
 - Secondary (foreseeable) 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).
- 1.1.1.3 The Transmission Assets Commitments have been informed via:
- the Project's Scoping Opinion;
 - feedback from statutory consultation, for example on the Project's Preliminary Environmental Information Report (PEIR), and non-statutory consultation;
 - feedback on the submitted DCO application documents, for example the draft DCO and Environmental Statement;
 - project design iteration and refinement (e.g., Route Planning and Site Selection); and
 - industry best practice.
- 1.1.1.4 **Table 1.4** presents the changes that have been made to the commitments between PEIR and submission of the application for development consent, illustrating all changes made and an explanation of such changes.
- 1.1.1.5 A Commitments Register Schedule of Changes is submitted separately (S_D2_15) to identify and explain the changes to any commitments which made during the DCO Examination.

Table 1.1: Explanation of the terms used with the Commitments Register

Term	Explanation
Commitment Reference	Each Commitment (CoT) has a unique ID assigned to it, to enable consultees to easily track the evolution of commitments throughout the development of the Project (e.g., CoT01, CoT02 etc). Where a CoT has been removed since PEIR and not presented within the Commitments Register (Table 1.2), the explanation for its removal is detailed in Table 1.4 .
Commitment Stage	Relates to the stage of the project when the Commitment was made (e.g., Route Planning and Site Selection (RPSS)).
Type	Details whether the commitment is Embedded mitigation, secondary mitigation or enhancement.
Project Phase	Details the project phase the commitment is relevant to (e.g., operations and maintenance).
Project Element	Details the project elements the commitment is relevant to (e.g., CoT99 which is relevant to the area of the onshore substations).
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 Environmental Statement.
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 Environmental Statement.
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 draft DCO).
When (e.g. pre-commencement)?	Where Commitments are secured through a management strategy or plan (for example, the Construction Traffic Management Plan), this column provides details in relation to the timing of the final approval of the strategy or plan.
Who (decision-maker)?	Where Commitments are secured through a management strategy or plan (for example, the Construction Traffic Management Plan), this column provides details in relation to the decision maker(s) for the final approval of the strategy or plan.
Who (consultee)?	Where Commitments are secured through a management strategy or plan (for example, the Construction Traffic Management Plan), this column provides details in relation to the consultee(s) that will be engaged in relation to the development of the strategy or plan.
Relevant application documents (at Environmental Statement stage)	Where Commitments are secured though a management strategy or plan, the Project has sought to provide an outline of that strategy or plan. Where this is the case this is detailed within this column. An overview of the Strategies and Plans provided in support of the DCO application can be found in Table 1.3 of this document.

Table 1.2: Commitments Register

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance							Onshore Topic Relevance												How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents		
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality	landscape and visual resources						Aviation and radar	Climate change
CoT02	RPSS	Embedded mitigation	The following features will be crossed by trenchless techniques, as set out in the Onshore Crossing Schedule submitted as part of the application for development consent: - A, B and Classified unnumbered roads (known as C roads) (including the Preston Western Distributor Road, A582 South Ribble Western Distributor Upgrade and M55 Heyhouses Link Road; excluding Leech Lane); - All Environment Agency Main Rivers, including: Moss Sluice, east of Midgeland Road along Pegs Lane; Savick Brook, south of A583; Wrea Brook southeast of Cartmell Lane; Dow Brook east of Lower Lane between the A584 and the A583; Middle Pool north of Lund Way; and - All Network Rail crossings, including along the line which runs between Blackpool North and Preston, south of Cartmell Lane; and at the Network Rail crossing along the line which runs to Blackpool North, south east of Squires Gate, parallel to the A584.	Construction	x		x	x								x	x	x				x									DCO Schedules 2A & 2B, Requirement 5(2) (Detailed design parameters onshore); DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.5(2) and R.8), Natural England (R.8), Environment Agency (for onshore works) (R.5(2) and R.8); MMO (for intertidal and offshore works) (R.8) and the highway authority (R.5(2))	Outline CoCP (document reference J1) Onshore Crossing Schedule (F1.3.2)
CoT03	RPSS	Embedded mitigation	A range of sensitive historical, cultural and ecological conservation areas (including statutory and non-statutory designations) have been directly avoided where practicable during the site selection process for Morgan and Morecambe Offshore Wind Farms: Transmission Assets footprint. The Works Plans identify the areas where different works are currently proposed. These include, but are not restricted to: • Listed Buildings • Scheduled Monuments • Registered Parks and Gardens • Onshore Conservation Areas • Onshore National Site Network • Offshore National Site Network • Sites of Special Scientific Interest (Onshore only) • Local Nature Reserves • Local Wildlife sites • Lancashire Wildlife Trust Reserves • Royal Society for the Protection of Birds (RSPB) Reserves • National Trust land; • Ancient Woodland sites and known Tree Preservation Orders (TPOs); & • non-designated built heritage assets. Where possible, unprotected areas of woodland, mature and protected trees (i.e. veteran trees) have and will also be avoided, including the veteran tree located to the north east of National Grid Penwortham substation.	Construction	x		x	x										x													Works Plans - Onshore and Intertidal	n/a	n/a	n/a	Works Plans - Onshore and Intertidal (document reference B8)
CoT04	RPSS	Embedded mitigation	An Outline Pollution Prevention Plan (PPP) forms part of the Outline Code of Construction Practice submitted with the application for development consent. Detailed PPP(s) will be developed in accordance with the Outline PPP and includes details of emergency spill procedures. Good practice guidance detailed in the Environment Agency's Pollution Prevention Guidance notes (including Pollution Prevention Guidance notes 01, 05, 08 and 21) will be followed where appropriate, or the latest relevant available guidance.	Construction	x		x	x								x	x	x													DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Pollution Prevention Plan (document reference J1.4)

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance					Onshore Topic Relevance													How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents		
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality						landscape and visual resources	Aviation and radar
CoT05	RPSS	Embedded mitigation	During construction of piled foundations the following guidance will be used: Land Contamination Risk Management (LCRM) (July 2023) and Managing and reducing land contamination: guiding principles (GPLC), or latest relevant available guidance, where appropriate.	Construction	x		x	x								x	x	x												DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT06	RPSS	Embedded mitigation	The construction area associated with onshore export cable corridor will be 100 m working width and the 400kv grid connection cable corridor will be working width 76 m to minimise the construction footprint, except at complex trenchless technique crossings, including, but not limited to: • Network Railway Crossings; • A, B and Classified unnumbered roads (known as C roads), including B5261 (Queensway); • the approach to landfall; • river and water course crossings; and • sensitive utility assets (e.g. high pressure gas pipelines). The widths of both the onshore export cable corridor and 400kv grid connection cable corridor also increases up to 270 m in width, on the access and egress to the onshore substations, to facilitate consideration of trenchless crossings as well as being subject to detailed design. These increased widths and crossing methodologies are set out in the Onshore Crossing Schedule and Works Plans-Onshore and Intertidal.	Construction	x		x	x								x	x	x												DCO Schedules 2A & 2B, Requirement 5(2) (Detailed design parameters onshore); Works Plans - Onshore and Intertidal	n/a	n/a	Lancashire County Council, Environment Agency and the highway authority	Works Plans - Onshore and Intertidal (document reference B8) Onshore Crossing Schedule (F1.3.2)
CoT08	RPSS	Embedded mitigation	Post-construction, the working area will be reinstated to pre-existing condition as far as reasonably practical 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).	Construction	x		x	x								x	x		x	x				x						DCO Schedules 2A & 2B, Requirement 16 (Restoration of land temporarily used for construction); DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.8), Natural England (R.8), Environment Agency (for onshore works) (R.8); MMO (for intertidal and offshore works) (R.8)	Outline CoCP (document reference J1)
CoT09	RPSS	Embedded mitigation	The Outline Code of Construction Practice (CoCP) has been submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. The Outline CoCP includes information about drainage during construction.	Construction	x		x	x								x	x	x	x	x			x	x						DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance					Onshore Topic Relevance												How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents			
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration						Air quality	landscape and visual resources	Aviation and radar
CoT10	RPSS	Embedded mitigation	Where trenchless techniques are proposed for Environment Agency Main Rivers, the following distances will be used: •8 m from the bank of the Environment Agency Main River or landward toe of any associated flood defence structure; •16 m from tidal Environment Agency Main Rivers or the landward toe of any flood defences, where the Main River is a sea defence structure; and •a minimum of 2 m vertical clearance will be maintained below the hard bed of all Environment Agency Main Rivers, including the landward toe of any associated flood defences. Final vertical clearance depths beneath Environment Agency Main Rivers will be identified during detailed design stage, in consultation with the Environment Agency, to ensure the export cables remain buried for the operational lifetime of the project.	Construction	x											x	x	x		x										DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice); DCO Schedule 10, Part 9	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT11	RPSS	Embedded mitigation	An Outline Operational Drainage Management Plan for the substation sites has been prepared and submitted with the application for development consent. The Plan will include measures to ensure that existing land drainage is reinstated and/or maintained. This will include measures to limit discharge rates and attenuate flows to maintain greenfield runoff rates at the onshore substations. It will also include measures to control surface water runoff, including measures to prevent flooding of the working areas or offsite and to ensure any runoff is treated appropriately. Detailed Operational Drainage Management Plan(s) will be developed in accordance with the Outline Operational Drainage Management Plan and in line with the latest relevant drainage guidance notes in consultation with the Environment Agency and the Lead Local Flood Authority (Lancashire County Council).	Operations and Maintenance	x		x	x									x	x			x									DCO Schedules 2A & 2B, Requirement 20 (Outline Operational Drainage Management Plan)	Pre-commencement of the relevant stages of work	Lead Local Flood Authority (Lancashire County Council)	Environment Agency (as appropriate)	Outline Operational Drainage Management Plan (document reference J10)
CoT12	RPSS	Embedded mitigation	The onshore export cables and the 400 kV grid connection cables will be completely buried underground for the entire length. No overhead pylons will be installed as part of the Transmission Assets.	Construction	x												x	x											DCO Schedule 1, Part 1, Authorised Development	n/a	n/a	n/a	n/a	
CoT13	RPSS	Embedded mitigation	Where hedgerows and/or trees require removal, this will be undertaken prior to topsoil removal. Sections of hedgerows and trees which are removed will be replaced using like for like hedgerow species.	Construction	x		x	x										x		x					x				DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice); and Requirement 12 (Ecological Management Plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.8), Natural England (R.8 and R.12), Environment Agency (for onshore works) R.8 and R.12); MMO (for intertidal and offshore works) (R.8)	Outline CoCP (document reference J1) Outline Ecological Management Plan (document reference J6)	

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance						Onshore Topic Relevance										How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents					
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport						Noise and vibration	Air quality	landscape and visual resources	Aviation and radar	Climate change
CoT14	RPSS	Embedded mitigation	Joint bays will be completely buried, with the land above reinstated. An inspection cover will be provided on the surface for link boxes for access during operation and maintenance phase.	Construction / Operation and maintenance	x		x										x		x					x							DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT15	RPSS	Secondary	Detailed Landscape Management Plan(s) will be developed in accordance with the Outline Landscape Management Plan. Detailed Landscape Management Plan(s) will include details of mitigation planting at the onshore substation sites, including the number, location, species and details of management and maintenance of planting. Where practicable, landscape mitigation planting will be established as early as reasonably practicable in the construction phase.	Construction	x		x	x										x		x				x							DCO Schedules 2A & 2B, Requirement 6 (Provision of landscaping)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England	Outline Landscape Management Plan (document reference J2)
CoT16	RPSS	Embedded mitigation	All vegetation requiring removal will be undertaken outside of the bird breeding season. If this is not reasonably practicable, the vegetation requiring removal will 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.	Construction	x		x	x										x	x												DCO Schedules 2A & 2B, Requirement 12 (Ecological Management Plan); and Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.8), Natural England (R.8 and R.12), Environment Agency (for onshore works) (R.8 and R.12); MMO (for intertidal and offshore works) (R.8)	Outline Ecological Management Plan (document reference J6) Outline CoCP (document reference J1)
CoT17	RPSS	Embedded mitigation	Where required, provision will be made for badger access in relevant construction areas, when work is not taking place in order to ensure normal movements as far as reasonably possible. Provision will be made to ensure avoiding the entrapment of any animals within relevant construction areas. Checks will be made prior to the start of any works to ensure no animals are trapped. Appropriate checks will be made as required by the ecological clerk of works.	Construction	x		x	x											x												DCO Schedules 2A & 2B, Requirement 12 (Ecological Management Plan); and Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.8), Natural England (R.8 and R.12), Environment Agency (for onshore works) (R.8 and R.12); MMO (for intertidal and offshore works) (R.8)	Outline Ecological Management Plan (document reference J6) Outline CoCP (document reference J1)
CoT18	RPSS	Embedded mitigation	Core working hours for the construction of the intertidal and onshore works will be as follows: • Monday to Saturday: 07:00 - 19:00 hours; and • up to one hour before and after core working hours for mobilisation (“mobilisation period”) i.e. 06:00 to 20:00. Activities carried out during the mobilisation period will not generate significant noise levels (such as piling, or other such noisy activities). In circumstances outside of core working practices, specific works may have to be undertaken outside the core working hours. This will include, but is not limited to, works being undertaken within and/or adjacent to Blackpool Airport and cable installation at landfall and at the River Ribble. Advance notice of such works will be given to the relevant planning authority.	Construction	x		x	x											x			x									DCO Schedules 2A & 2B, Requirement 14 (Construction hours)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	Outline CoCP (document reference J1)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality						landscape and visual resources	Aviation and radar	Climate change	Socio-economics and community
CoT19	RPSS	Secondary	All trenchless crossings will be undertaken by non-impact methods such as HDD (or other trenchless techniques including micro tunnelling and direct pipe), excluding preparatory works, in order to minimise construction noise and vibration beyond the immediate location of works.	Construction	x		x	x								x						x	x								DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Onshore Crossing Schedule (document reference F1.3.3)	
CoT20	RPSS	Embedded mitigation	All temporary working areas for the onshore export cable corridor, 400 kV grid connection cable corridor, temporary compounds, and the onshore substation sites will be clearly marked and secured with appropriate fencing. This will be done in accordance with the Outline Construction Fencing Plan, as part of the Outline CoCP and in accordance with Construction (Design and Management) Regulations 2015 requirements.	Construction	x		x	x												x											DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Construction Fencing Plan (document reference J1.10)	
CoT21	RPSS	Embedded mitigation	There will be no permanent High Voltage infrastructure installed above surface within 110 m of residential properties and subsurface infrastructure within 50 m of residential properties from the onshore substations.	Construction	x		x	x								x	x	x				x		x							DCO Schedules 2A & 2B Requirement 4(2) (Substation works); Works Plan - Onshore	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	Outline Design Principles (document J3) Works Plans - Onshore and Intertidal (document reference B8)	
CoT22	RPSS	Embedded mitigation	Prior to the commencement of works, the contractor (or project appointed Land Agent) will undertake a record of condition, (which will accompany previously captured soil condition data, identifying and describing the physical and nutrient characteristics of the existing soil profiles). Such work will inform the reinstatement under CoT08.	Construction	x		x	x									x	x		x												DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT23	RPSS	Embedded mitigation	Temporary access points from the public highway will be installed to facilitate vehicular access into the onshore export cable corridor, 400 kV grid connection cable corridor and Onshore Substations, during construction, in accordance with the indicative outline highway access designs set out within Outline Highways Access Management Plan, prepared and submitted with the application for development consent.	Construction	x		x	x												x	x										DCO Schedules 2A & 2B, Requirement 10 (Highway accesses) and Requirement 14 (Construction hours); Access to Works Plan	Pre-commencement of the relevant stages of work	Relevant Highway Authority	n/a	Outline Highway Access Management Plan (document reference J5) Outline CoCP (document reference J1) Access to Works Plan (document reference B11)	

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport						Noise and vibration	Air quality	landscape and visual resources	Aviation and radar	Climate change
CoT24	RPSS	Embedded mitigation	Where practicable, during construction, access routes within the onshore export cable corridor and 400kV grid connection corridor (i.e. for example, the use of haul roads) will be used, to minimise potential impacts to the local road network.	Construction	x		x	x													x										DCO Schedules 2A & 2B, Requirement 9 (Traffic and Transport); Access to Works Plan	Pre-commencement of the relevant stages of work	Relevant Highway Authority	National Highways	Outline Construction Traffic Management Plan (document reference J5) Outline CoCP (document reference J1) Access to Works Plan (document reference B11)
CoT25	RPSS	Embedded mitigation	Topsoil and subsoil will be stored in separate stockpiles and managed 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). Any suspected or confirmed contaminated soils will be appropriately separated, contained and tested before removal (if required). This will be done in accordance with the Outline Soil Management Plan, as part of the Outline CoCP, prepared and submitted with the application for development consent.	Construction	x		x	x									x	x						x	x						DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Soil Management Plan (document reference J1.7)
CoT26	RPSS	Embedded mitigation	Detailed Site Waste Management Plan(s) (SWMPs) will be developed in accordance with the Outline Site Waste Management Plan and Outline CoCP prepared and submitted with the application for development consent, and in consideration of the latest relevant available guidance.	Construction	x		x	x									x	x	x												DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Site Waste Management Plan (document reference J1.6)
CoT27	RPSS	Embedded mitigation	All temporary compounds will be removed and sites will be reinstated when construction has been completed.	Construction	x		x	x									x	x	x						x						DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice); DCO Schedules 2A & 2B, Requirement 16 (Restoration of land used temporarily for construction)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.8), Natural England (R.8), Environment Agency (for onshore works) (R.8); MMO (for intertidal and offshore works) (R.8)	Outline CoCP (document reference J1)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality	landscape and visual resources						Aviation and radar	Climate change
CoT28	RPSS	Embedded mitigation	Construction site lighting will only operate when required and will be positioned and directed to avoid unnecessary illumination to residential properties, sensitive ecological receptors and footpath users, and minimise glare to users of adjoining public highways. 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 Outline Construction Artificial Light Emissions Management Plan, as part of the Outline CoCP. The design of construction site lighting will accord with the details provided in the Outline Code of Construction Practice (CoT35) and Outline Ecological Management Plan (CoT76).	Construction	x		x	x									x				x			x							DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice) ; DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.8), Natural England (R.8 and R.12), Environment Agency (for onshore works) (R.8 and R.12); MMO (for intertidal and offshore works) (R.8)	Outline CoCP (document reference J1) Outline Construction Artificial Light Emissions Management Plan (document reference J1.11) Outline Ecological Management Plan (document reference J6)
CoT29	RPSS	Embedded mitigation	Appropriate Personal Protective Equipment will 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.	Construction	x		x	x								x															DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT30	RPSS	Embedded mitigation	An Outline Contaminated Land and Groundwater Discovery Strategy, as part of the Outline CoCP has been submitted with the application for development consent, to identify any suspected areas of contamination and any remedial measures which may be required. Detailed strategies will identify the construction protocol for discovery of any currently unknown contamination and any remedial measures that may be required.	Construction	x		x	x								x	x														DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Contaminated Land and Groundwater Discovery Strategy (document reference J1.14)
CoT31	RPSS	Embedded mitigation	Ponds identified during the route planning and site selection process have been avoided where possible. During construction any newly identified ponds will be avoided through micro-siting of the onshore export cable corridor and 400 kV grid connection cable corridor where reasonably practicable.	Construction	x		x	x										x													DCO Schedules 2A & 2B, Requirement 12 (Ecological Management Plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency	Outline Ecological Management Plan (document reference J6)
CoT32	RPSS	Embedded mitigation	An Outline Public Rights of Way (PRoW) Management Plan has been prepared as part of the Outline CoCP in order to minimise the disturbance to PRoWs, where practicable. Where practically possible the impact will be temporary and PRoWs will be reinstated as soon as reasonably practicable. An Outline Open Space Management Plan has been appended to the Outline PRoW Management Plan, which includes measures to minimise potential impacts to the users of Lytham St Annes beach and Blackpool Road Recreation Ground. Detailed PRoW Management Plans will include details of temporary and permanent diversions, closures, gated crossings and signage to be provided during construction and details to reinstate all PRoWs potentially affected during construction.	Construction	x		x	x													x								x		DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Public Rights of Way (PRoW) Management Plan (document reference J1.5)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport						Noise and vibration	Air quality	landscape and visual resources	Aviation and radar
CoT33	RPSS	Embedded mitigation	An Outline Dust Management Plan (DMP) has been prepared as part of the Outline CoCP and submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The measures in the detailed DMP(s) will accord with guidance set out by the Institute of Air Quality guidance Management (IAQM, 2024) where appropriate and practicable, and will include measures for monitoring and reporting dust levels, and dust suppression and mitigation measures during construction and operation.	Construction	x		x	x								x					x			x						DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Dust Management Plan (document reference J1.2)
CoT34	RPSS	Secondary	Based on noise modelling results, where construction noise has the potential to cause significant adverse effects, mufflers and acoustic barriers will be used, where practicable, where HDD (or other trenchless techniques) is being undertaken.	Construction	x		x	x																						DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Construction Noise and Vibration Management Plan (document reference J1.3)
CoT35	RPSS	Embedded mitigation	An Outline Code of Construction Practice (CoCP) has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The Outline CoCP includes measures to maintain and address: - flood protection and control measures; - water environment and drainage; - pollution prevention; - geology and ground conditions; - ecology and nature conservation (including protected species and invasive species); - historic environment; - soil management; - traffic and transport; - noise management measures; - air quality and dust management; - landscape and visual; - recreation; and - bentonite breakout.	Construction	x		x	x								x	x	x	x	x	x	x		x	x					DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT36	RPSS	Embedded mitigation	Onshore Decommissioning Plan(s) will be developed prior to decommissioning. Onshore Decommissioning Plan(s) will include provisions for the removal of all onshore above ground infrastructure and the decommissioning of below ground infrastructure (if and where relevant and practicable), and details relevant to flood risk, pollution prevention and avoidance of ground disturbance. The Onshore Decommissioning Plan(s) will be in line with the latest relevant available guidance.	Decommissioning	x		x	x								x	x	x		x	x	x	x	x	x					DCO Schedules 2A & 2B, Requirement 22 (Onshore decommissioning)	Within 6 months of the permanent cessation of commercial operation	Relevant Planning Authority	n/a	n/a
CoT37	RPSS	Embedded mitigation	Vehicle movements associated with operation and planned maintenance of the onshore infrastructure will operate only during the daytime and evening periods (i.e. 07:00 – 19:00). Vehicle movements may however be subject to unscheduled events outside these hours.	Operation and maintenance	x		x	x														x	x							DCO Schedules 2A & 2B, Requirement 9 (Traffic and Transport)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	Outline Construction Traffic Management Plan (document reference J5)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality						landscape and visual resources	Aviation and radar	Climate change	Socio-economics and community
CoT38	RPSS	Embedded mitigation	An Outline Construction Traffic Management Plan (CTMP) has been prepared and submitted with the application for development consent. CTMP(s) will be developed in accordance with the outline CTMP prior to construction. The detailed CTMP(s) will set out measures to include: 1. managing the numbers and routing of HGVs during the construction phase; 2. managing the movement of construction worker traffic during the construction phase; 3. details of measures to manage the safe passage of HGV traffic via the local highway network; 4. details of localised road improvements if and where these may be necessary to facilitate safe use of the existing road network; and 5. appointment of a Construction Traffic Management Plan Co-ordinator and Transport Working Group.	Construction	x		x	x														x	x								DCO Schedules 2A & 2B, Requirement 9 (Traffic and Transport)	Pre-commencement of the relevant stages of work	Relevant Highway Authority	National Highways	Outline Construction Traffic Management Plan (document reference J5)	
CoT39	RPSS	Embedded mitigation	Fences, walls, ditches and drainage outfalls will be retained at the landfall and along the onshore export cable corridor and 400 kV grid connection cable corridor, where possible. Where it is not reasonably practicable to retain them, any damage will be repaired and reinstated as soon as reasonably practical. The Environment Agency and Lead Local Flood Authority must be notified if damage occurs to any Environment Agency main river and ordinary watercourse or related flood infrastructure respectively .	Construction	x		x	x								x	x	x							x						DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)	
CoT40	RPSS	Embedded mitigation	An Onshore and Intertidal Written Scheme of Investigation(s) (WSI) will be developed in line with the Outline Onshore and Intertidal WSI. The Onshore and Intertidal WSI(s) will provide details on the surveys and archaeological mitigation in advance for each stage of the Project any ground breaking works and during construction.	Construction	x		x	x											x												DCO Schedules 2A & 2B, Requirement 11 (Onshore archaeology)	Pre-commencement of the relevant stages of work	Lancashire County Council	Historic England	Outline Onshore and Intertidal Written Scheme of Investigation (document reference J9)	
CoT41	RPSS	Secondary	Where the onshore export cable corridor or 400 kV grid connection cable corridor crosses sites of particular sensitivity (e.g. embanked Environment Agency surface watercourses, Sites of Special Scientific Interest or groundwater inner Source Protection Zones) hydrogeological risk assessment(s) will be undertaken to inform a site-specific crossing method statement(s) where required. These will be agreed with the relevant stakeholders prior to construction.	Construction	x			x								x	x	x														DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT42	PEIR	Secondary	A Greenhouse Gas (GHG) Reduction Strategy has been prepared and submitted with the application for development consent. The GHG Reduction Strategy outlines options to reduce construction-related emissions.	Construction	x	x	x	x	x																		x		n/a	n/a	n/a	n/a	Greenhouse Gas (GHG) Reduction Strategy (document reference J4)			

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport						Noise and vibration	Air quality	landscape and visual resources
CoT43	PEIR	Embedded mitigation	The onshore export cables including fibre optics or other communications cables, will be installed within the onshore export cable corridor and 400kV grid connection corridor within cable ducts or other protective covers or sheaths or mini- or micro-tunnels, as opposed to using direct lay installation method.	Construction	x		x								x	x	x			x		x							DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT44	PEIR	Embedded mitigation	The Project Description (Volume 1, Chapter 3 of the Environmental Statement) sets out that the installation of the offshore export cables under Lytham St Annes SSSI and the St Annes Old Links Golf Course will be undertaken by direct pipe trenchless installation technique. The exit pits associated with the direct pipe installation will be at least 100 m seaward of the western boundary of the SSSI.	Construction	x		x								x		x	x			x	x							DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT45	PEIR	Embedded mitigation	The Outline Offshore Cable Specification and Installation Plan (CSIP) for the Fylde MCZ includes: details of cable burial depths, cable protection, and cable monitoring. The Outline CSIP also includes an Outline Cable Burial Risk Assessment (CBRA). Detailed CSIP(s) and CBRA(s) will be prepared by the Applicants covering the full extent of their respective offshore export cable corridors. Detailed CSIPs will be developed in accordance with the Outline CSIP and will ensure safe navigation is not compromised including consideration of under keel clearance. No more than 5% reduction in water depth (referenced to Chart Datum) will occur at any point on the offshore export cable corridor route without prior written approval from the licencing authority in consultation with the MCA and Trinity House.	Construction		x				x	x	x			x													DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(e) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Outline Offshore Cable Specification and Installation Plan (document reference J15)	
CoT46	PEIR	Embedded mitigation	Aids to navigation (marking and lighting) will be deployed in accordance with international maritime regulations and the latest relevant available standard industry guidance as advised by Trinity House and MCA. This will include a buoyed construction area around cable laying operations, cable repairs and during cable maintenance.	Construction		x									x						x	x						DCO Schedules 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 , Condition 15 (Aids to navigation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 – Condition 15 (Aids to navigation)	Pre-commencement of the relevant stage of the connection works	MMO	n/a	n/a	

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance					Onshore Topic Relevance												How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents			
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration						Air quality	landscape and visual resources	Aviation and radar
CoT47	PEIR	Embedded mitigation	The Outline Offshore Cable Specification and Installation Plan (CSIP) includes measures to limit the extent of cable protection to 3% of the offshore export cable route within the Fylde (Marine Conservation Zone) MCZ (excluding cable crossings). Within the Fylde MCZ, external cable protection will only be used where deemed to be essential, e.g. for cable crossings or in the instance that adequate burial / reburial is not possible for any section of the route through the Fylde MCZ. The Outline CSIP also includes measures to limit sandwave clearance to up to 5% of the offshore export cable corridor route within the Fylde MCZ. Material arising from sandwave clearance in the Fylde MCZ will be deposited within the Fylde MCZ. The requirements for cable protection and sandwave clearance will be informed through the undertaking of survey works pre-construction. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	Construction		x				x	x	x	x					x												DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(e) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Trinity House, MCA, UKHO	Outline Offshore Cable Specification and Installation Plan (document reference J15) Outline Offshore Operations and Maintenance Plan (document reference J19)
CoT49	PEIR	Embedded mitigation	Construction Method Statement(s) (CMSs) including Offshore Cable Specification and Installation Plan(s), will be produced and implemented prior to construction. These will contain details of cable installation and methodology.	Construction		x						x			x	x		x												DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(e) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Trinity House, MCA, UKHO	Outline Cable Specification and Installation Plan (document reference J15)
CoT50	PEIR	Secondary	Detailed Fisheries Liaison and Coexistence Plan(s) will be developed in accordance with the Outline Fisheries Liaison and Coexistence Plan and will include details for providing advance warning and information on accurate locations for construction and maintenance activities, associated Safety Zones, and advisory passing distances to be given via Notifications to Mariners to ensure navigation safety.	Construction		x									x	x		x									x			DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(f)(v) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(f)(v) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Trinity House, MCA, UKHO	Outline Fisheries Liaison and Coexistence Plan (document reference J13)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration						Air quality	landscape and visual resources	Aviation and radar
CoT51	PEIR	Embedded mitigation	Crossing and proximity agreements, as set out in the Offshore Crossing Schedule submitted as part of the application for development consent, will be sought with known existing pipeline and cables operators.	Construction		x								x																DCO Schedule 18	Pre-commencement of the relevant stage of licensed activities	n/a	n/a	Works Plans - Offshore (document reference B9) Offshore Crossing Schedule (document reference F1.3.2)
CoT52	PEIR	Embedded mitigation	Ongoing liaison with the fishing industry through the appointment of a Company Fisheries Liaison Officer(s) (CFLO)(s) and adherence to good practice guidance with regards to fisheries liaison (e.g. Fishing Liaison with Offshore Wind and Wet Renewables Group FLOWW (2014, 2015) guidance).	Construction / Operations and Maintenance		x									x															DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(f)(iv) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(f)(iv) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Trinity House, MCA, UKHO	Outline Fisheries Liaison and Coexistence Plan (document reference J13)
CoT54	PEIR	Embedded mitigation	An Outline Offshore Cable Specification and Installation Plan (CSIP) includes for cable burial to be the preferred option for cable protection, where practicable. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	Construction		x				x	x	x	x		x	x		x												DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(e) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of the connection works	MMO	Trinity House, MCA, UKHO	Outline Offshore Cable Specification and Installation Plan (document reference J15)
CoT55	PEIR	Embedded mitigation	Offshore Decommissioning Programme(s) will be developed prior to decommissioning and will include information on the consideration of recycling of materials, where practicable, and if opportunities are available.	Decommissioning		x				x	x	x	x	x	x	x														DCO Schedule 2A Requirement 21 (Offshore decommissioning) and DCO Schedule 2B Requirement 21 (Offshore decommissioning)	n/a	n/a	n/a	n/a

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation						Traffic and transport	Noise and vibration	Air quality	landscape and visual resources	Aviation and radar
CoT57	PEIR	Embedded mitigation	Employment and Skills Plan(s) will be produced prior to construction, in accordance with the Outline Employment and Skills Plan prepared and submitted with the application for development consent. Detailed Employment and Skills Plan(s) will detail how the Applicants will engage with local workers and training providers for anticipated employment opportunities associated with the Transmission Assets.	All Phases	x	x	x	x																				x	DCO Schedules 2A & 2B, Requirement 19 (Employment and Skills Plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council	Outline Employment and Skills Plan (document reference J31)	
CoT59	PEIR	Embedded mitigation	The United Kingdom Hydrographic Office will be notified of both the commencement, progress and completion of offshore construction works to allow marking of all installed infrastructure on nautical charts.	Construction		x									x	x		x												DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition14 (8-10) (Notifications and inspections) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition14 (8-10) (Notifications and inspections)	Pre-commencement of the relevant stage of licensed activities	n/a	n/a	n/a
CoT61	PEIR	Embedded mitigation	An Outline Fisheries Liaison and Co-existence Plan will seek to minimise the duration of any temporary restrictions to fishing activity and/or anchoring required in areas where full cable burial to target depth has not yet been achieved and/or surface-laid cable exists, during the construction phase, if and where practicable. Detailed Fisheries Liaison and Co-existence Plan(s) will be developed in accordance with the Outline Plan.	Construction		x									x															DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(f)(v) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(f)(v) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Trinity House, MCA, UKHO	Outline Fisheries Liaison and Coexistence Plan (document reference J13)
CoT62	PEIR	Embedded mitigation	Outline Fisheries Liaison and Coexistence Plan(s) will be produced to set out the commitments relating to coexistence with the fishing industry and to ensure navigational safety. It will reference the appointment, and responsibilities of, a company fisheries liaison officer (CFLO). Detailed Fisheries Liaison and Coexistence Plan(s) will accord with the Outline Fisheries Liaison and Coexistence Plan(s).	Construction		x									x															DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(f)(v) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(f)(v) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Trinity House, MCA, UKHO	Outline Fisheries Liaison and Coexistence Plan (document reference J13)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration						Air quality	landscape and visual resources	Aviation and radar	Climate change
CoT63	PEIR	Embedded mitigation	An Outline Offshore Written Scheme of Investigations (WSI) for Archaeology has been prepared and submitted with the application for development consent. The Outline Offshore WSI for Archaeology includes: - the requirement for Archaeological Exclusion Zones (AEZs) around those sites identified as having high and medium archaeological potential, as presented in the Offshore Historic Environment Plan; -the requirement for Temporary Archaeological Exclusion Zones (TAEZs), as presented in the Offshore Historic Environment Plan; -implementation of a Protocol for Archaeological Discoveries (PAD) in accordance with 'Protocol for Archaeological Discoveries: Offshore Renewables Projects' (The Crown Estate, 2014); - the incorporation of marine archaeology specification and analysis in further pre-construction surveys such as geophysical, geotechnical, or ROV/diver surveys; - operational awareness and avoidance, where possible, of low potential anomalies; - where avoidance of low potential anomalies is not possible, mitigation measures for potential direct impacts to marine archaeology; and - details of reporting and archival requirements. Detailed Offshore WSI(s) for Archaeology will be developed in accordance with the Outline Offshore WSI for Archaeology, in consultation with Historic England.	Construction		x								x																	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(g) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(g) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Historic England	Outline Offshore Written Scheme of Investigation for Archaeology (document reference J17)
CoT64	PEIR	Embedded mitigation	Detailed Marine Mammal Mitigation Protocols (MMMPs) will be developed and implemented in accordance with the Outline MMMP, to reduce the risk of injury to marine mammals. The Detailed MMMP(s) will include measures to apply in advance of UXO clearance. The Detailed MMMP(s) will include for the use of low order techniques only. The detailed MMMP(s) will be approved by Marine Management Organisation, in consultation with Natural England. The detailed MMMP(s) will require the implementation of a mitigation hierarchy with regard to Unexploded Ordnance (UXO) clearance as follows: - Avoid UXO; and - Clear UXO with low order techniques. Low order techniques or avoidance of confirmed UXO are not always possible and are dependent upon the individual circumstances surrounding each UXO. Should high order UXO techniques be required, a separate marine licence will be applied for and will include consideration of secondary mitigation measures such as Noise Abatement Systems (NAS).	Construction		x																									DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 – Condition 20(1)(b) (Low order unexploded ordnance clearance) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition20(1)(b) (Low order unexploded ordnance clearance)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Outline Marine Mammal Mitigation Protocol (document reference J18)
CoT65	PEIR	Embedded mitigation	Offshore Environmental Management Plan(s) (EMPs) will be developed and will include details of: - a marine pollution contingency plan to address the risks, methods and procedures to deal with any spills and collision incidents during construction and operation of the authorised scheme for activities carried out below MHWS; - a chemical risk review to include information regarding how and when chemicals are to be used, stored and transported in accordance with recognised best practice guidance; - waste management and disposal arrangements; - the appointment and responsibilities of a fisheries liaison officer; - a fisheries liaison and coexistence plan (which accords with the outline fisheries liaison and co-existence plan) to ensure relevant fishing fleets are notified of commencement of licensed activities pursuant to condition and to address the interaction of the licensed activities with fishing activities; - measures to minimise disturbance to marine mammals and rafting birds from vessels; and - measures to minimise the potential spread of invasive non-native species, including adherence to IMO ballast water management guidelines.	Construction		x				x	x	x	x	x				x													DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(f) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(f) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England, Trinity House, UKHO and MCA (as appropriate)	n/a

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation						Traffic and transport	Noise and vibration	Air quality	landscape and visual resources	Aviation and radar	Climate change
CoT66	PEIR	Embedded mitigation	A Safety Zone Statement has been submitted as part of the application for development consent. Advisory exclusion zones of 500 m will be applied during construction. Where defined by risk assessment, guard vessels will also be used to ensure adherence with Safety Zones or advisory passing distances to mitigate impacts which pose a risk to surface navigation.	Construction / Operations and Maintenance		x									x	x		x													DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(f)(v) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(f)(v) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	n/a	n/a	Outline Fisheries Liaison and Co-existence Plan (J13) Safety Zone Statement (document reference J33)
CoT69	PEIR	Embedded mitigation	Detailed Vessel Traffic Management Plan(s) (VTMP) will be developed pre-construction in line with legislation, guidance and industry best practice which will: - determine vessel routing to and from construction areas and ports; - include vessel standards and a code of conduct for vessel operators; and - minimise, as far as reasonably practicable, encounters with marine mammals and basking sharks. These plans will be developed in accordance with the Outline VTMP prepared and submitted with the application for development consent.	All Phases		x							x		x	x		x													DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(h) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(h) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	MCA	Outline Vessel Traffic Management Plan (document reference J21)
CoT70	PEIR	Embedded mitigation	Offshore Emergency and Response and Safety Plan(s) will be prepared post-consent to ensure relevant compliance with MGN654, where appropriate in consultation with the MCA.	Construction		x									x	x		x													DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 – Condition 22 (Offshore Safety Management) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 22 (Offshore Safety Management)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	n/a

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality	landscape and visual resources						Aviation and radar	Climate change
CoT71	PEIR	Embedded mitigation	An Outline Offshore Operation and Maintenance Plan has been prepared and submitted as part of the application for development consent. Detailed Offshore Operation and Maintenance Plan(s) will be produced prior to entering the operation and maintenance phase.	Operations and Maintenance		x	x			x	x	x	x	x	x																DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition11(3) (Maintenance of the authorised scheme) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition11(3) (Maintenance of the authorised scheme)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Outline Offshore Operations and Maintenance Plan (document reference J19)
CoT72	PEIR	Embedded mitigation	The Applicants will ensure compliance with MGN654 for vessel traffic monitoring and continuous watch, where appropriate, in consultation with the MCA.	Construction / Operations and Maintenance		x								x	x	x															DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 – Condition 22 (Offshore safety management) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 – Condition 22 (Offshore safety management)	Pre-commencement of the relevant stage of licensed activities	MMO	MCA	n/a
CoT73	PEIR	Embedded mitigation	An Outline Biosecurity Protocol has been prepared, as part of the Outline CoCP and submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP.	Construction	x		x	x									x	x													DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Biosecurity Protocol (document reference J1.12)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration						Air quality	landscape and visual resources	Aviation and radar	Climate change	Socio-economics and community
CoT76	PEIR	Secondary	Detailed Ecological Management Plan(s) (EMP) will be developed in accordance with the Outline Ecological Management Plan (OEMP). The Outline Ecological Management Plan has been prepared and submitted as part of the application for development consent and includes but is not limited to pre-construction, construction and post-construction mitigation measures relating to habitats and protected or notable species, species mitigation licences and the role of the Ecological Clerk of Works (ECoW) where relevant. The Outline Ecological Management Plan also includes a Breeding Bird Protection Plan which will set out mitigation measures such as vegetation clearance in winter (e.g., hedgerows), pre-construction breeding bird survey, appropriate protection zones upon confirmation of nest building/breeding taking place of key protected or sensitive species. In addition to the Breeding Bird Protection Plan, the OEMP sets out species-specific mitigation plans for Important Ecological Features identified as part of the assessment. Detailed Ecological Management Plan(s) will include details of any long term mitigation and management measures relevant to onshore ecology and nature conservation and in relation to onshore and intertidal ornithology. This will include the management of ecological mitigation areas. The Detailed EMPs will be developed in consultation with the relevant statutory advisors and regulators.	Construction	x		x	x	x									x	x													DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency	Outline Ecological Management Plan (document reference J6)
CoT77	PEIR	Embedded mitigation	An Outline Bentonite Breakout Plan has been prepared as part of the Outline CoCP and submitted as part of the application for development consent. CoCP(s) will be developed in accordance with the outline CoCP.	Construction	x		x	x								x	x															DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Bentonite Breakout Plan (document reference J1.13)
CoT79	PEIR	Embedded mitigation	An Outline Construction Noise and Vibration Management Plan has been prepared as part of the Outline CoCP submitted as part of the application for development consent. It includes measures to mitigate noise from construction activities associated with the Transmission Assets. Detailed Construction Noise and Vibration Management Plan(s) will be developed in accordance with Detailed CoCPs. Bespoke method statement(s) will be developed to ensure suitable noise limits can be met on specific sensitive noise receptors.	Construction	x		x	x														x										DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Construction Noise and Vibration Management Plan (document reference J1.3)
CoT80	PEIR	Embedded mitigation	Operational Noise Management Plan(s) for the onshore substations will be prepared and submitted for approval prior to the commencement of operations. The Plan(s) will identify the noise limits for the operation of the onshore substations and the measures for how these limits would be monitored.	Operations and maintenance				x														x						x			DCO Schedules 2A & 2B, Requirement 18 (Control of noise during operational stage)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	N/A	
CoT81	PEIR	Embedded mitigation	An Outline Soil Management Plan has been prepared as part of the Outline CoCP and submitted as part of the application for development consent. The detailed CoCP(s) will be developed in accordance with the outline CoCP. Detailed Soil Management Plan(s) will be developed in order to characterise and manage soil materials during construction. Soil types would be determined via site-specific survey work.	Construction	x		x	x								x					x											DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Soil Management Plan (document reference J1.7)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration						Air quality	landscape and visual resources	Aviation and radar
CoT82	PEIR	Embedded mitigation	Where trenchless techniques are proposed for crossing ordinary watercourses, the entry and exit pits will be set back a minimum of 8 m from the bank of the watercourse. These crossings are detailed in the Onshore Crossing Schedule. Where required, geomorphological <u>Geomorphological</u> surveys will be undertaken on ordinary watercourses that may be crossed by trenched techniques. These will be used to inform detailed designs prior to construction.	Construction	x			x								x	x	x												DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice); DCO Schedule 10	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Onshore Crossing Schedule (document reference F1.3.3)
CoT84	PEIR	Embedded mitigation	An Outline Code of Construction Practice (CoCP) has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. In order to manage impacts to field drainage, the Outline CoCP stipulates field drainage plans will be developed in consultation with the relevant landowners. If required, additional <u>Additional</u> field drainage will be installed <u>where identified in the field drainage plans</u> to ensure the existing drainage of the land is maintained during and after construction.	Construction	x		x	x									x	x												DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT85	PEIR	Embedded mitigation	An Outline Code of Construction Practice (CoCP) has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. The Outline CoCP will include that temporary haul road(s) will be installed using permeable gravel aggregate with a geotextile or other type of protective matting, or plastic or metal plates or grating, where required.	Construction	x		x	x									x	x												DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stage of the connection works	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT86	PEIR	Embedded mitigation	An Outline Code of Construction Practice (CoCP) has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. Where required, trenched techniques may be used for minor ditches or smaller watercourses that are frequently dry. In these cases, measures will be implemented to protect water quality and flow and these will be detailed within the Outline CoCP.	Construction	x		x	x										x	x											DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT87	PEIR	Embedded mitigation	Any works that affect Canal and River Trust waterways or land will comply with the Canal & River Trust 'Code of Practice for Works affecting the Canal & River Trust'.	Construction	x			x									x		x						x			x	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	n/a	n/a	Outline CoCP (document reference J1)	

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance						Onshore Topic Relevance										How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents					
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport						Noise and vibration	Air quality	landscape and visual resources	Aviation and radar	Climate change
CoT88	PEIR	Embedded mitigation	Best Practicable Means (as defined in Section 72 of the Control of Pollution Act 1974 and Section 79 of the Environmental Protection Act 1990) will be implemented during the construction, operation, maintenance aspects of the Transmission Assets, where appropriate, to ensure that noise levels are minimised within all reasonably foreseeable circumstances. For the construction phase these will be detailed within the Outline CoCP, for the operational and maintenance phase these will be detailed within the Operational Noise Management Plan(s).	Construction / Operations and Maintenance	x		x	x															x								DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice); DCO Schedules 2A & 2B, Requirement 18 (Control of noise during operational stage)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council (R.8), Natural England (R.8), Environment Agency (for onshore works) (R.8); MMO (for intertidal and offshore works) (R.8), Environment Agency (R.8)	Outline CoCP (document reference J1) Outline Construction Noise and Vibration Management Plan (document reference J1.3)
CoT89	DCO	Embedded mitigation	No demolition of any building will be undertaken in connection with the construction of the Transmission Assets. This is in accordance with the Outline Code of Construction Practice (CoCP) and detailed CoCPs.	Construction	x		x	x														x									DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stage of the connection works	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT90	PEIR	Embedded mitigation	The Project Description (Volume 1, Chapter 3 of the Environmental Statement) sets out that the installation of the 400kV Grid Connection Cable Corridor beneath the River Ribble will be undertaken by direct pipe or micro tunnel trenchless installation techniques.	Construction	x			x									x		x	x											DCO Schedules 2A & 2B, Requirement 5(2)(Detailed design parameters onshore); and Requirement 8 (Code of Construction Practice)	n/a	n/a	n/a	Onshore Crossing Schedule (document reference F1.3.3) Outline CoCP (document reference J1)
CoT91	PEIR	Embedded mitigation	An Outline Public Rights of Way (PRoW) Management Plan as part of the Outline CoCP, has been prepared and submitted with the application for development consent. Detailed Public Rights of Way (PRoW) Management Plan(s) will be developed in accordance with the Outline Public Rights of Way (PRoW) Management Plan and Outline CoCP. These will detail measures to mitigate against temporary disruption or reduced access on the Lancashire Coastal Way Long Distance Path and the Ribble Way Long Distance Path, as well as all other PRoWs to be crossed.	Construction	x		x	x													x							x		DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Public Rights of Way (PRoW) Management Plan (document reference J1.15)	
CoT92	PEIR	Embedded mitigation	The Applicants will join the Lancashire District Level Licensing scheme in relation to Great Crested Newts, as detailed within the Outline Ecological Management Plan.	Construction	x		x	x										x													DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency	Outline Ecological Management Plan (document reference J6)

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance								Onshore Topic Relevance										How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents			
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality						landscape and visual resources	Aviation and radar	Climate change
CoT94	PEIR	Embedded mitigation	The Outline Code of Construction practice (CoCP) has been submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. The outline CoCP details appropriate studies (e.g. Site Investigations) proposed to be undertaken where major HDDs (or other trenchless techniques) are proposed, during the detailed design stage to confirm ground conditions.	Construction				x									x														DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT95	PEIR	Embedded mitigation	The Outline Code of Construction Practice (CoCP) has been submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The Outline CoCP includes that during the construction phase the Principal Contractor(s) will sign up to the Flood Warning Service and will be alerted by a phone call or text when a Flood Warning becomes active. The flood warning will be applied to the entire Onshore Infrastructure Area located within Flood Zones 2 and 3 to enable site personnel to be evacuated from the site in a timely manner prior to a flood event occurring, if appropriate.	Construction	x			x									x														DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT96	PEIR	Embedded mitigation	The Outline Code of Construction Practice (CoCP) has been submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The Outline CoCP includes that farm access routes between fields within a farm holding will be maintained (where reasonably practicable), or alternative routes agreed with the land holder to enable the continued operation of agricultural land holdings during the construction phase, where this may be possible.	Construction	x			x								x				x								x		DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)	
CoT97	PEIR	Embedded mitigation	The Outline Code of Construction Practice (CoCP) has been submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The Detailed CoCPs detail that where necessary at the compounds located within the landfall area, construction measures will be adopted to maintain the existing level of flood protection during construction. These measures will be discussed with the Environment Agency. If applicable, these measures could include scheduling work windows against tide times and briefing site personnel regarding weather conditions, tide times and heights. If a Flood Warning/Flood Alert is issued for the 'Lancashire coastline at Lytham St. Annes, along the coast from Squires Gate to Warton Bank' Flood Warning Area (reference 012FWCTL13A) and the 'Coast at Lytham St Annes' Flood Alert area (reference 012WACLS) works within the relevant areas within the landfall area would also be stopped whilst the Flood Warning/Flood Alert is active.	Construction	x		x	x									x													DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)	
CoT 101	PEIR	Secondary	Where high concentrations of peat are identified these, will be avoided where practicably possible for the placement of the plant and infrastructure to avoid the possibility of ground gas build up. Where this is not possible, further investigation and appropriate monitoring will be identified undertaken, if necessary.	Construction	x			x								x		x		x									DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	Outline CoCP (document reference J1)		

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport						Noise and vibration	Air quality	landscape and visual resources
CoT 102	PEIR	Secondary	Where sections of PRoWs are required to be closed during the construction of the onshore export cable corridor and 400 kV grid connection cable corridor, they will not be closed for any longer than three months at any one time, or for six months in total over the whole construction period. Where closures are required for longer periods due to unforeseen circumstances encountered during construction, Lancashire County Council will be informed in writing. This will be in accordance with the Outline PRoW Plan that has been prepared, as part of the Outline CoCP and submitted as part of the application for development consent.	Construction	x		x	x													x							x	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Public Rights of Way (PRoW) Management Plan (document reference J1.15)
CoT 103	PEIR	Secondary	Where suspected contamination is present and piling is proposed, where required detailed piling risk assessment(s) will be developed prior to the commencement of the relevant stage of works. Consultation with the Environment Agency will be sought.	Construction				x								x													DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Environment Agency	Environment Agency	Outline CoCP (document reference J1)
CoT 104	PEIR	Secondary	Detailed Ecological Management Plan(s) (EMP) will be developed in accordance with the Outline Ecological Management Plan (OEMP). The OEMP includes pre-construction, construction and post-construction and any long-term mitigation and management (where applicable). The OEMP includes, but is not limited to: habitats, hedgerows, birds, bats, badgers, otters, water voles, reptiles, terrestrial invertebrates, and other protected or notable species where relevant. The EMP(s) which will include details of any long-term mitigation and management measures relevant to onshore ecology and sites of particular sensitivity. The EMP(s) will be developed in consultation with the relevant stakeholders.	All Phases	x		x	x										x											DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England	Outline Ecological Management Plan (document reference J6)
CoT 105	PEIR	Embedded mitigation	No construction works within the operational (i.e. airside) boundary of Blackpool Airport will commence until Civil Aviation Publication (CAP) 791 Parts 1 & 2 approval has been obtained from the Civil Aviation Authority (CAA) in connection with those works. Part 3 will be finalised on the CAA inspection of the completed works.	Construction	x																				x				Secured outside of the DCO process	Pre-commencement of the relevant stages of work	Civil Aviation Authority	n/a	Outline CoCP (document reference J1)
CoT 106	DCO	Embedded mitigation	The EMF Compliance Statement has been prepared and submitted with the application for development consent. The Applicants will design the Transmission Assets to ensure compliance with relevant electro-magnetic field (EMF) exposure public health protection standards, where appropriate, as specified in the International Commission on Non-ionizing Radiation Protection publication 'Guidelines For Limiting Exposure To Time-Varying Electric, Magnetic And Electromagnetic Fields (Up To 300 Ghz) (1998)' and the Department for Energy and Climate Change publication 'Power Lines: Demonstrating compliance with EMF public exposure guidelines A voluntary Code of Practice (2012)'.	All Phases	x	x	x	x																			x	n/a	n/a	n/a	n/a	n/a	EMF Compliance Statement (document reference J8)
CoT 107	DCO	Secondary	Where construction activities are undertaken along the onshore export cable corridor within areas of Functionally Linked Land (Lytham Moss Biological Heritage Site) in proximity to Higher Ballam and Lower Ballam, a mitigation area will be provided for supplementary feeding of pink-footed goose and whooper swan during the core wintering bird period (November to March, inclusive). The feeding may comprise retention of spoiled crop and/or the import of additional feed, as appropriate. In addition, scrapes will be provided for terrestrial wader features. This is detailed within the Outline Ecological Management Plan.	Pre-Construction	x		x	x	x									x	x										DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency	Outline Ecological Management Plan (document reference J6)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality	landscape and visual resources						Aviation and radar	Climate change
CoT 108	DCO	Embedded mitigation	The Outline Offshore Cable Specification and Intallation Plan (CSIP) submitted as part of the application for development consent, includes for all external cable protection used within the Fylde MCZ to be designed to be removable on decommissioning. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	All Phases		x					x																				DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(e) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England, Trinity House, MCA and UKHO as appropriate	Outline Offshore Cable Specification and Installation Plan (document reference J15)
CoT 109	DCO	Secondary	The requirement for removal of cable protection within the Fylde MCZ will be agreed with stakeholders and regulators at the time of decommissioning. Removal of cable protection will be in accordance with the Offshore Decommissioning Programme(s).	Decommissioning		x					x																				DCO Schedule 2A Requirement 21 (Offshore decommissioning) and DCO Schedule 2B Requirement 21 (Offshore decommissioning)	Pre-commencement of decommissioning	Secretary of State	n/a	Outline Offshore Cable Specification and Installation Plan (document reference J15)
CoT 110	DCO	Secondary	Construction activities associated with the offshore cable pull in for the Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited will be undertaken in accordance with the Outline Offshore Cable Specification and Installation Plan (CSIP). This will include a timing restriction on all cable pull activities at landfall on Lytham St Annes beach between November and March (inclusive) unless otherwise agreed with the MMO, in consultation with Natural England. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	Construction			x			x	x			x																	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(e) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Outline Offshore Cable Specification and Installation Plan (document reference J15)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation						Traffic and transport	Noise and vibration	Air quality	landscape and visual resources	Aviation and radar	Climate change
CoT 111	DCO	Secondary	Development of, and adherence to, an offshore Environmental Management Plan(s) which will include Measures to minimise disturbance to marine mammals and rafting birds from vessels. The Measures to minimise disturbance to marine mammals and rafting birds from vessels includes a timing restriction on all offshore export cable installation activities between November and March (inclusive) within the original boundary of the Liverpool Bay/Bae Lerpwl SPA (as designated in 2010), including a 2 km buffer, unless otherwise agreed with the MMO, in consultation with Natural England.	Construction		x								x																	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 – Condition 18(1)(f) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 – 18(1)(f) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Measures to Minimise Disturbance to Marine Mammals and Rafting Birds from Vessels (document reference J16)
CoT 112	DCO	Embedded mitigation	Advance warning will be provided via Notice to Mariners to ensure that the appropriate authorities are informed of offshore construction, operation and maintenance, and decommissioning activities. Copies of all notices must be provided to the MMO, MCA and UKHO as well as other interested parties, as appropriate.	All Phases		x																									DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 – Condition 14(8-9) (Notifications and inspections) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 14(8-9) (Notifications and inspections)	n/a	n/a	n/a	n/a
CoT 113	DCO	Secondary	Where construction activities are undertaken within the Intertidal Infrastructure Area, mitigation measures will be provided at Fairhaven saltmarsh to reduce disturbance upon roosting wader features of Ribble and Alt Estuary SPA. This may comprise a combination of the employment of a warden, educational signage, and soft fencing. This is detailed within the Outline Ecological Management Plan.	Pre-Construction			x		x									x													DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency	Outline Ecological Management Plan (document reference J6)
CoT 114	DCO	Embedded mitigation	All permanent infrastructure located between Mean Low Water Springs (MLWS) and Mean High Water Springs (MHWS) will be buried to a target depth of 3 metres, subject to further pre-construction surveys to be reported within Detailed Cable Burial Risk Assessments (CBRAs). An Outline CBRA has been prepared and submitted with the application for development consent.	Construction		x	x			x																					DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 – Condition18(1)(e)(iii) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(e)(iii) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	n/a	Outline Offshore Cable Burial Risk Assessment (document reference J14)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality	landscape and visual resources						Aviation and radar	Climate change
CoT 115	DCO	Embedded mitigation	An Offshore In-Principal Monitoring Plan (OIPMP) has been prepared and submitted as part of the application for development consent. The OIPMP includes for monitoring of the recovery of sediments and benthic communities within representative areas of the Fylde MCZ potentially impacted -by sandwave clearance, cable installation and cable protection, at appropriate temporal intervals as part of the operational asset integrity surveys. Detailed Offshore Monitoring Plans will be produced prior to operation and maintenance phases in accordance with the OIPMP, and will be approved in consultation with statutory advisors and regulators.	Operations and Maintenance		x				x	x	x	x																		DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(d) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(d) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Offshore In Principle Monitoring Plan (document reference J20)
CoT 116	DCO	Embedded mitigation	Any material arising from sandwave clearance within the Transmission Assets Order Limits will be deposited in close proximity to the works and within the licensed disposal sites within the Order Limits, as detailed in the Dredging Dredging and Disposal - Site Characterisation Plan prepared and submitted as part of the application for development consent.	Construction		x				x	x																				DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 1 - Condition 2(f) (Details of licensed marine activities) and Part 2 – Condition16(4) (Chemicals, drilling and debris); and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets) Part 1 - Condition 2(f) (Details of licensed marine activities) and Part 2 – Condition16(4) (Chemicals, drilling and debris)	Construction	n/a	n/a	Works Plans - Offshore (document reference B9) Dredging and disposal – site characterisation plan (document reference J22)
CoT 117	DCO	Embedded mitigation	The Outline Offshore Cable Specification and Installation Plan (CSIP) includes details for any jack-up-vessels used within the Fylde MCZ to be stationary. No walking jack-ups would be used within the Fylde MCZ. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	Construction		x					x			x																	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition18(1)(e) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Outline Cable Specification and Installation Plan (document reference J15)

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					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality	landscape and visual resources						Aviation and radar	Climate change
CoT 118	DCO	Secondary	Where areas of potentially significant contamination (e.g. landfills) cannot be avoided within the Transmission Assets Order Limits, ground investigation or other appropriate measures (e.g. use Personal Protective Equipment and/or hazard signage) will be implemented to mitigate potential impacts to, or effects on sensitive receptors. Where ground investigation identifies potential risks to sensitive receptors from contamination, a remediation strategy would be prepared in consultation with the Environment Agency.	Construction	x			x								x															DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1) Outline Contaminated Land and Groundwater Discovery Strategy (document reference J1.14)
CoT 119	DCO	Secondary	Subject to landowner approval, at detailed design stage, hydrogeological risk assessment(s) will be undertaken at St Annes Old Links Golf Club (abstraction borehole ref: GWA_01), if necessary. The hydrogeological risk assessment(s) would be informed by ground investigation information, where relevant and practicable. If undertaken, the risk assessment(s) will inform a detailed site-specific crossing design for the installation of the offshore export cables beneath Lytham St Annes SSSI and the St Annes Old Links Golf Course.	Construction			x									x	x														DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Lancashire County Council, Natural England, Environment Agency (for onshore works); MMO (for intertidal and offshore works)	Outline CoCP (document reference J1)
CoT 120	DCO	Secondary	To mitigate for potential permanent habitat loss associated with each of the Onshore Substations, mitigation areas south of Newton-with-Scales will be provided for waders and farmland birds. Measures within these areas may include measures, such as, the creation of scrapes and thickening of hedgerows. This is detailed within the Outline Ecological Management Plan. The final measures will be developed and agreed with the relevant stakeholders as a part of the detailed Ecological Management Plan(s) prior to construction.	Construction					x									x	x												DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency	Outline Ecological Management Plan (document reference J6)
CoT 121	DCO	Embedded mitigation	Where watercourses are to be crossed by haul roads and temporary access tracks, the culverting or bridging will be appropriately sized to ensure conveyance of existing flows to mitigate the potential for increased flood risk. This will be agreed in consultation with the Lead Local Flood Authority for Ordinary watercourses; or the Environment Agency for Environment Agency Main Rivers.	Construction	x			x									x			x	x										DCO Schedules 2A & 2B, Requirement 5(2) (Detailed design parameters onshore); Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Lead Local Flood Authority (Lancashire County Council) &/or Environment Agency (as appropriate)	n/a	Onshore Crossing Schedule (document reference F1.3.3)
CoT 122	DCO	Secondary	The Outline Ecological Management Plan will include details of proposed mitigation measures associated with the direct loss of any ponds within the Transmission Assets Order Limits. Replacement habitat will be provided for ponds considered to be of higher ecological value (e.g. of sufficient conservation interest to support communities of aquatic invertebrates, such as those ponds currently located within the permanent Morgan onshore substation area). Detailed Ecological Management Plan(s) will be developed in accordance with the Outline Ecological Management Plan.	Construction	x				x									x	x												DCO Schedules 2A & 2B, Requirement 12 (Ecological Management Plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency	Outline Ecological Management Plan (document reference J6)
CoT 123	DCO	Embedded mitigation	The Project Description (Volume 1, Chapter 3 of the Environmental Statement) sets out that the installation of the Onshore Export Cable Corridor at Blackpool Road Recreation Ground will be undertaken by HDD (or other trenchless techniques). This trenchless technique installation is anticipated to last a maximum of 5 months of total active construction within the grounds. Appropriate exclusion fencing between the entry and exit pits will only be erected for a maximum of 2 months within the 5 months of active construction to mitigate potential impacts to users.	Construction	x													x	x		x										DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice); DCO Schedules 2A & 2B, Requirement 5 (Detailed design parameters onshore)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	Outline CoCP (document reference J1)

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance										Onshore Topic Relevance												How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration	Air quality	landscape and visual resources	Aviation and radar	Climate change	Socio-economics and community					
CoT 124	DCO	Secondary	Where mitigation is required for construction activities at Blackpool Road Recreation Ground (for example, the relocation or provision of alternate amenities) these measures will be secured via separate agreements with the relevant parties. For example, via section 106 agreements under the Town and Country Planning Act 1990 and/or section 111 agreements under the Local Government Act 1972.	Construction	x																			x							x	Secured via agreements to be entered into pursuant to s106 Town and Country Planning Act 1990 and/or s111 Local Government Act 1972	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	n/a
CoT 125	DCO	Embedded mitigation	The Project Description (Volume 1, Chapter 3 of the Environmental Statement) sets out that the siting and number of compounds associated with the construction activities at the landfall have been sited, where practicable, to avoid key constraints, including the Ribble and Alt Estuaries SPA and the Lytham St. Annes Dunes SSSI, to reduce disturbance upon roosting waders.	Construction	x	x	x														x	x										DCO Schedule 1 (Authorised Development)	n/a	n/a	n/a	Outline CoCP (document reference J1)
CoT 126	DCO	Secondary	To mitigate for potential temporary habitat loss associated with Mill Brook Valley Biological Heritage Site, temporary construction compounds will be micro-sited to avoid the site wherever reasonably practicable.	Construction	x																x											DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	n/a	Outline CoCP (document reference J1)
CoT 127	DCO	Secondary	To mitigate for potential disturbance to otters associated with the installation of onshore export cable corridors, a mitigation area in the home range of otter populations will be provided east of Savick Brook. Measures within these areas may include artificial holts and improvement of reed bed habitats. This is detailed within the Outline Ecological Management Plan. The final measures will be developed and agreed with the relevant stakeholders as a part of the detailed Ecological Management Plan(s) prior to construction.	Construction	x				x												x											DCO Schedules 2A & 2B, Requirement 12 (Ecological Management Plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England	Outline Ecological Management Plan (document reference J6)
CoT 128	DCO	Secondary	A Preliminary An Outline Hydrogeological Risk Assessment will be prepared in relation to the crossing of Lytham St Annes SSSI to mitigate potential impacts to the hydrologically dependant surface water features of the sand dune system. This will form part of the Outline Code of Construction Practice. At detailed design stage, Hydrogeological Risk Assessment (will be developed in accordance with the Preliminary Outline Hydrogeological Risk Assessment. The hydrogeological risk assessment(s) will be informed by ground investigation information, where necessary and practicable. These assessment(s) will be used to inform the detailed site-specific crossing design for the installation of the offshore export cables beneath Lytham St Annes SSSI.	Construction	x														x		x											DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England and the Environment Agency (as appropriate)	Outline Ecological Management Plan (document reference J6)
CoT 129	Examination	Secondary	No construction activities at landfall on Lytham St Annes beach will be undertaken by the Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited between November and March (inclusive). This is to mitigate disturbance to roosting wader features of Ribble and Alt Estuary SPA and Ramsar site. This is detailed within the Outline Ecological Management Plan.	Construction			x				x			x							x											DCO Schedules 2A & 2B, Requirement 12 (Ecological Management Plan)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England	Outline Ecological Management Plan (document reference J6)

Commitment Reference	Commitment Stage	Commitment Type	Transmission Assets Commitment	Project Phase	Project Element					Offshore Topic Relevance							Onshore Topic Relevance										How is the commitment secured?	When?	Who (decision maker)?	Who (consultee)?	Relevant application documents		
					Onshore ECCs	Offshore ECCs	Landfall	Onshore Substations	Mitigation areas	Physical Processes	Benthic subtidal and intertidal ecology	Fish and shellfish ecology	Marine mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other sea users	Geology, hydrogeology and ground conditions	Hydrology and flood risk	Onshore Ecology and Nature Conservation	Onshore and Intertidal Ornithology	Historic environment	Land use and recreation	Traffic and transport	Noise and vibration						Air quality	landscape and visual resources
CoT 130	Examination	Secondary	No clearance of unexploded ordnance (UXO) will be undertaken within Liverpool Bay/Bae Lerpwl SPA between November and March (inclusive).	Construction		x						x	x	x															DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 – Condition 18(1)(f) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 – 18(1)(f) (Pre-construction plans and documentation)	Pre-commencement of the relevant stage of licensed activities	MMO	Natural England	Measures to Minimise Disturbance to Marine Mammals and Rafting Birds from Vessels (document reference J16)
CoT 131	Examination	Secondary	Mitigation planting at the onshore substation sites will be situated at least 8 m from Dow Brook.	Construction				x										x						x				DCO Schedules 2A & 2B, Requirement 6 (Provision of landscaping)	Pre-commencement of the relevant stages of work	Relevant Planning Authority	Natural England	Outline Landscape Management Plan (document reference J2)	

Table 1.3: Relevant documents

Document name	Document reference	DCO reference
Draft Development Consent Order (DCO)	C1	n/a
Works Plans - Onshore and Offshore	B7	DCO Article 42
Works Plans – Onshore and intertidal	B8	DCO Article 42
Works Plans - Offshore	B9	DCO Article 42
Onshore Crossing Schedule	F1.3.2	DCO Schedules 2A & 2B, Requirement 5(2) (Detailed design parameters onshore)
Offshore Crossing Schedule	F1.3.1	n/a
Outline Code of Construction Practice (CoCP)	J1	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Dust Management Plan	J1.2	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Construction Noise and Vibration Management Plan	J1.3	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Pollution Prevention Plan	J1.4	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Public Rights of Way (PRoW) Management Plan	J1.5	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Site Waste Management Plan	J1.6	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Soil Management Plan	J1.7	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Construction Fencing Plan	J1.10	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Construction Artificial Light Emissions Management Plan	J1.11	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Biosecurity Protocol	J1.12	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Bentonite Breakout Plan	J1.13	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Contaminated Land and Groundwater Discovery Strategy	J1.14	DCO Schedules 2A & 2B, Requirement 8 (Code of Construction Practice)
Outline Landscape Management Plan	J2	DCO Schedules 2A & 2B, Requirement 6 (Provision of landscaping)
Outline Design Principles	J3	DCO Schedules 2A & 2B Requirement 4(2) (Substation works)

Outline Construction Traffic Management Plan	J5	DCO Schedules 2A & 2B, Requirement 9 (Traffic and Transport)
Outline Ecological Management Plan (EMP)	J6	DCO Schedules 2A & 2B, Requirement 12 (Ecological management plan)
Outline Operational Drainage Management Plan	J10	DCO Schedules 2A & 2B, Requirement 20 (Outline Operational Drainage Management Plan)
Outline Onshore and Intertidal Written Scheme of Investigation	J11	DCO Schedules 2A & 2B, Requirement 11 (Onshore archaeology)
Outline Fisheries Liaison and Coexistence Plan	J13	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition 18(1)(f)(v) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(f)(v) (Pre-construction plans and documentation)
Outline Cable Burial Risk Assessment	J14	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition 18(1)(e)(i)(bb) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(e)(i)(bb) (Pre-construction plans and documentation)
Outline Offshore Cable Specification and Installation Plan	J15	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition 18(1)(e) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(e) (Pre-construction plans and documentation)
Outline Offshore Written Scheme of Investigation and Protocol for Archaeological Discoveries	J17	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition 18(1)(g) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(g) (Pre-construction plans and documentation)
Outline Marine Mammal Mitigation Protocol	J18	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition 20(1)(b) (Low order unexploded ordnance clearance) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 -

		Condition 20(1)(b) (Low order unexploded ordnance clearance)
Outline Vessel Traffic Management Plan	J21	DCO Schedule 14 (Marine Licence 1: Morgan Offshore Wind Project Transmission Assets) Part 2 - Condition 18(1)(g) (Pre-construction plans and documentation) and DCO Schedule 15 (Marine Licence 2: Morecambe Offshore Wind Farm Transmission Assets), Part 2 - Condition 18(1)(g) (Pre-construction plans and documentation)
Outline Employment and Skills Plan	J31	DCO Schedules 2A & 2B, Requirement 19 (Employment and Skills Plan)

Table 1.4: PEIR Change log

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
CoT01	RPSS	No concurrent piling at Morgan Offshore Booster Station during piling of Morgan OSPs and/or WTGs.	CoT01 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT02	RPSS	<p>The following features will be crossed by trenchless techniques HDD (or other trenchless methodologies), as set out in the Onshore Crossing Schedule to be submitted as part of the application for the development consent:</p> <ul style="list-style-type: none"> - A, B and Classified unnumbered roads (known as C roads) (including the Preston Western Distributor Road, A582 South Ribble Western Distributor Upgrade and M55 Heyhouses Link Road; excluding Leech Lane); - the following All Environment Agency m Main r Rivers, Moss Sluice, east of Midgeland Road; along Pegs Lane; Savick Brook, south of A583; Wrea Brook southeast of Cartmell Lane; Dow Brook east of Lower Lane between the A584 and the A583; Middle Pool north of Lund Way; and - a All Network Rail railway crossings (including the railway crossings at the Network Rail crossing along the line which runs between Blackpool North and Preston, south of Cartmell Lane; and at the Network Rail crossing along the line which runs to Blackpool North, south east of Squires Gate, parallel to the A584). 	CoT02 has been updated to reflect Project design changes post-PEIR, including crossing techniques.
CoT03	RPSS	<p>A range of sensitive historical, cultural and ecological conservation areas (including statutory and non-statutory designations) have been directly avoided where practicable during the site selection process for Morgan and Morecambe Offshore Wind Farms: Transmission Assets footprint. The Works Plans identify the areas where different works are currently proposed. These include, but are not restricted to:</p> <ul style="list-style-type: none"> • Listed Buildings • Scheduled Monuments • Registered Parks and Gardens • Onshore Conservation Areas • Onshore National Site Network • Offshore National Site Network • Sites of Special Scientific Interest (Onshore only) • Local Nature Reserves • Local Wildlife sites • Lancashire Wildlife Trust Reserves • Royal Society for the Protection of Birds (RSPB) Reserves • National Trust land; • Ancient Woodland sites and known Tree Preservation Orders (TPOs); & • non-designated built heritage assets. <p>Where possible, unprotected areas of woodland, mature and protected trees (i.e. veteran trees) have and will also be avoided, including the veteran tree located to the north east of National Grid Penwortham substation.</p>	CoT03 has been updated to provide clarity regarding the avoidance of veteran trees.
CoT04	RPSS	An Outline Onshore Pollution Prevention Plan (PPP) will forms part of the Outline Code of Construction Practice submitted with the application for development consent. Detailed Onshore PPP(s) will be	CoT04 has been updated to clarify that an outline plan has been prepared and submitted with the application

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		developed in accordance with the Outline PPP and includes details of emergency spill procedures. Good practice guidance detailed in the Environment Agency's Pollution Prevention Guidance notes (including Pollution Prevention Guidance notes 01, 05, 08 and 21) will be followed where appropriate, or the latest relevant available guidance.	for development consent. Detailed plan(s) will be prepared post-consent.
CoT06	RPSS	<p>The construction area associated with onshore export cable corridor will be 100 m working width and the 400kv grid connection cable corridor will be working width 76 m to minimise the construction footprint, except at complex trenchless technique crossings, including, but not limited to:</p> <ul style="list-style-type: none"> • Network Railway Crossings; • A, B and Classified unnumbered roads (known as C roads), including B5261 (Queensway); • the approach to landfall; • river and water course crossings; and • sensitive utility assets (e.g. high pressure gas pipelines). <p>The cable corridor widths of both the onshore export cable corridor and 400kv grid connection cable corridor also increases up to 270 m in width, on the access and egress to the onshore substations, to facilitate consideration of trenchless crossings. These increased widths and crossing methodologies are set out in the Onshore Crossing Schedule and Works Plans-Onshore and Intertidal.</p> <p>The construction area associated with onshore export cable corridor will be 122 m working width to minimise the construction footprint, except at the Network Rail Crossings UTX (the Network Rail crossing along the line which runs between Blackpool North and Preston, south of Cartmell Lane and the Network Rail crossing along the line which runs to Blackpool North, south east of Squires Gate), the approach to landfall and the approach to the onshore substations. At the Network Rail Crossings (the Network Rail crossing along the line which runs between Blackpool North and Preston, south of Cartmell Lane; and at the Network Rail crossing along the line which runs to Blackpool North, south east of Squires Gate), the working width is extended up to 180 m to facilitate HDD (or other trenchless methodologies) of the railway line. The construction area associated with 400 kV grid connection cable corridor will be 96 m working width to minimise the construction footprint, except at the National Grid Penwortham Substation and the River Ribble crossing. At the Network Rail Crossing along the line which runs between Blackpool North and Preston, south of Cartmell Lane and the Network Rail crossing along the line which runs to Blackpool North, south east of Squires Gate, the working width is extended up to 180 m to facilitate HDD (or other trenchless methodologies) of the railway line.</p> <p>The total permanent onshore export cable corridor width will be 70 m, except where obstacles are present such as the Network Rail Crossing UTX (south of Cartmell Lane between Blackpool North and Preston line; and at the crossing which is south east of Squires Gate parallel to the A584, where the line runs to Blackpool North) (where the permanent footprint may be extended up to 180 m to facilitate HDD (or other trenchless methodologies) beneath the railway line), the approach to the landfall and the approach to the onshore substations, or where unexpected obstacles are encountered. The total combined permanent 400 kV grid connection cable corridor width will be 46 m, except where obstacles are present (where the permanent footprint may be extended up to 180 m to facilitate HDD (or other trenchless methodologies) in proximity to the National Grid Penwortham Substation, the River Ribble crossing, or where unexpected obstacles are encountered.</p>	CoT06 has been amended to make the commitment more concise and improve clarity. It has been updated to reflect Project design changes post-PEIR.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
CoT07	RPSS	Soil will be stored and managed in accordance with Construction Code of Practice for Sustainable Use of Soils on Construction Sites (PB13298) or the latest relevant available government guidance.	CoT07 has been removed and merged with CoT25.
CoT08	RPSS	Post-construction, the working area will be reinstated to pre-existing condition as far as reasonably practical 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) .	CoT08 has been updated to reflect the guidance that will be followed, no other information has changed.
CoT09	RPSS	The Outline Code of Construction Practice (CoCP) will be has been submitted as part of the application for the development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. The Outline CoCP will include information about drainage during construction.	CoT09 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT10	RPSS	Where trenchless techniques are proposed for Environment Agency Main Rivers, the following distances will be used: •8 m from the bank of the Environment Agency Main River or landward toe of any associated flood defence structure; •16 m from tidal Environment Agency Main Rivers or the landward toe of any flood defences, where the Main River is a sea defence structure; and •a minimum of 2 m vertical clearance will be maintained below the hard bed of all Environment Agency Main Rivers, including the landward toe of any associated flood defences. Final vertical clearance depths beneath Environment Agency Main Rivers will be identified during detailed design stage, in consultation with the Environment Agency, to ensure the export cables remain buried for the operational lifetime of the project. HDD (or other trenchless methodologies techniques) entry and exit points will be located at least 10 m away from Environment Agency main rivers ordinary watercourses and at least 10 m from ordinary watercourses, Environment Agency surface watercourses or the landward toe of the surface watercourse flood defences. Where a surface watercourse is to be crossed by HDD (or other trenchless techniques methodologies), the onshore export cables and 400 kV grid connection cables will be installed at least 2 m beneath the hard bed of any watercourses and the optimal clearance depth beneath watercourses will be agreed with the relevant authorities prior to construction. Where Environment Agency flood defences are present, a minimum 2 m vertical clearance will be maintained between the hard bed of the watercourse and the landward toe of those flood defences.	CoT10 has been updated in line with Environment Agency terminology and to reflect Project design changes post-PEIR.
CoT11	RPSS	An Outline Operational Onshore Substation Drainage Management Plan(s) for the substation site(s) will be has been prepared and submitted with the application for development consent. An Outline Operational Onshore Substation Drainage Management Plan(s) will be developed for the substation site(s). The Plan(s) will include measures to ensure that existing land drainage is reinstated and/or maintained. This will include measures to limit discharge rates and attenuate flows to maintain greenfield runoff rates at the onshore substations. It will also include measures to control surface water runoff, including measures to prevent flooding of the working areas or offsite and to ensure any runoff is treated appropriately. Detailed The Outline Operational Onshore Substation Drainage Management Plan(s) will be developed in	CoT11 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		accordance with the Outline Operational Drainage Management Plan and in line with the latest relevant drainage guidance notes in consultation with the Environment Agency and the Lead Local Flood Authority (Lancashire County Council).	
CoT13	RPSS	Where hedgerows and/or trees require removal, this will be undertaken prior to topsoil removal. Sections of hedgerows and trees which are removed will be replaced using like for like hedgerow species appropriately mitigated for.	CoT13 has been updated to be more concise regarding the replacement of hedgerows.
CoT15	RPSS	An Outline Detailed Landscape Management Plan(s) will be developed in accordance with the Outline Landscape Management Plan. Detailed Landscape Management Plan(s) will include details of mitigation planting at the onshore substation sites, including the number, location, species and details of management and maintenance of planting. Where practicable, landscape mitigation planting will be established as early as reasonably practicable in the construction phase.	CoT15 has been updated to reflect Project design changes post-PEIR, including above ground infrastructure. It has also been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT17	RPSS	Where required, provision will be made for badger access in relevant construction areas, when work is not taking place in order to ensure normal movements as far as reasonably possible. Provision will be made to ensure avoiding the entrapment of any animals within relevant construction areas. Checks will be made prior to the start of any works to ensure no animals are trapped. Appropriate checks will be made as required by the ecological clerk of works.	CoT 17 has been updated to change its mitigation measure category from tertiary to embedded mitigation. No further information has been changed.
CoT18	RPSS	<p>With the exception of works being undertaken within and/or adjacent to Blackpool Airport, core working hours for the construction of the landfall and onshore elements works of the Transmission Assets will be as follows: • Monday to Friday: 07:00 - 19:00 hours; • Saturday: 07:00 - 13:00 hours; • up to one hour before and after core working hours for mobilisation ("mobilisation period"), i.e. 06:00 to 20:00 weekdays and 06:00 to 14:00 Saturdays; and • maintenance period: 13:00 to 17:00 Saturdays. Activities carried out during mobilisation and maintenance will not generate significant noise levels (such as piling, or other such noisy activities). In circumstances outside of core working practices, specific works may have to be undertaken outside the core working hours. Vehicle movements may however be subject to unscheduled events outside these hours.</p> <p>Core working hours for the construction of the intertidal and onshore works components will be as follows:</p> <ul style="list-style-type: none"> • Monday to Saturday: 07:00 - 19:00 hours; and • up to one hour before and after core working hours for mobilisation ("mobilisation period") i.e. 06:00 to 20:00. <p>Activities carried out during the mobilisation period will not generate significant noise levels (such as piling, or other such noisy activities).</p> <p>In circumstances outside of core working practices, specific works may have to be undertaken outside the core working hours. This will include, but is not limited to, works being undertaken within and/or adjacent to Blackpool Airport and cable installation at landfall and at the River Ribble. Advance notice of such works will be given to the relevant planning authority</p>	CoT18 has been updated to reflect Project design changes post-PEIR.
CoT19	RPSS	Where possible, HDD (or other trenchless methodologies)- All trenchless crossings will be undertaken by non-impact methods such as HDD (or other trenchless techniques including micro tunnelling and direct	CoT19 has been updated to reflect Project design changes post-PEIR, including crossing techniques.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		pipe), excluding preparatory works, in order to minimise construction noise and vibration beyond the immediate location of works.	
CoT20	RPSS	All temporary working areas for the onshore export cable corridor, 400 kV grid connection cable corridor, temporary compounds, and the onshore substation sites will be clearly marked and secured with appropriate fencing. This will be done in accordance with the Outline Construction Fencing Plan, as part of the Outline CoCP and in accordance with Construction (Design and Management) Regulations 2015 requirements. The permanent onshore substation sites will be secured with appropriate fencing.	CoT20 has been updated to clarify where the mitigation is proposed to be secured. It has also been updated to reflect Project design changes post-PEIR, including above ground infrastructure.
CoT22	RPSS	Prior to the commencement of works, the contractor (or project appointed Land Agent) will undertake a record of condition, (which will accompany previously captured soil condition data, identifying and describing the physical and nutrient characteristics of the existing soil profiles). Such work will inform the reinstatement under CoT08.	CoT 22 has been updated to change its mitigation measure category from secondary to embedded mitigation. No further information has been changed.
CoT23	RPSS	Temporary access points from the highway will be installed to facilitate vehicular access from the road, and into the onshore export cable corridor, the Onshore Substations and 400 kV grid connection cable corridor during construction. The access points will be constructed in line with Lancashire County Council's requirements, relevant appropriate standards and in accordance with the principles established in the Outline Construction Traffic Management Plan Highways Access Management Plan, prepared and submitted with the application for development consent.	CoT23 has been updated to reflect Project terminology and updated to change its mitigation measure category from secondary to embedded mitigation.
CoT24	RPSS	Haul road(s) will be installed within the temporary working area, the onshore export cable corridor and 400 kV grid connection corridor to minimise impacts during construction on agricultural land. Where practicable, during construction, access routes within the onshore export cable corridor and 400kV grid connection corridor (i.e. for example, the use of haul roads) will be used, to minimise potential impacts to the local road network.	CoT24 has been updated to reflect Project terminology.
CoT25	RPSS	Topsoil and subsoil will be stored in separate stockpiles and managed 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). Any suspected or confirmed contaminated soils will be appropriately separated, contained and tested before removal (if required). This will be done in accordance with the Outline Soil Management Plan, as part of the Outline CoCP, prepared and submitted with the application for development consent.	CoT25 has been updated to address overlap with CoT07 that has now been removed. It also provides further detail on the guidance that will be followed
CoT26	RPSS	A Detailed Site Waste Management Plan(s) (SWMPs) will be developed in accordance with the Outline Site Waste Management Plan and Outline CoCP prepared and submitted with the application for development consent, Code of Construction Practice, and in consideration of the latest relevant available guidance.	CoT26 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT27	RPSS	All temporary compounds will be removed and sites will be reinstated when construction has been completed.	CoT 27 has been updated to change its mitigation measure category from secondary to embedded mitigation. No further information has been changed.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
CoT28	RPSS	Construction site lighting will only operate when required and will be positioned and directed to avoid unnecessary illumination to residential properties, sensitive ecological receptors and footpath users, and minimise glare to users of adjoining public highways. 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 Outline Construction Artificial Light Emissions Management Plan, as part of the Outline CoCP . Code of Construction Practice . The design of construction site lighting will accord with the details provided in the Outline Code of Construction Practice (CoT35) and Outline Ecological Management Plan (CoT76).	CoT28 has been updated to clarify where the mitigation is proposed to be secured and updated to change its mitigation measure category from secondary to embedded mitigation.
CoT30	RPSS	An Outline Contaminated Land and Groundwater Discovery Strategy, as part of the Outline CoCP has been submitted with the application for development consent to identify any suspected areas of contamination and any remedial measures which may be required. The A Detailed strategies will also identify the construction protocol for discovery of any currently unknown contamination and any remedial measures that may be required.	CoT30 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT31	RPSS	Ponds identified during the route planning and site selection process have been avoided where possible. During construction any newly identified ponds will be avoided through micro-siting of the onshore export cable corridor and 400 kV grid connection cable corridor where reasonably practicable.	CoT23 has been updated to reflect Project terminology. No information has changed.
CoT32	RPSS	An Outline Public Rights of Way (PRoW) Management Plan(s) will be has been prepared as part of the Outline CoCP and submitted as part of the application for the development consent in order to minimise the disturbance to PRoWs, where practicable. Where practically possible the impact will be temporary and PRoWs will be reinstated as soon as reasonably practicable. An Outline Open Space Management Plan has been appended to the Outline PRoW Management Plan, which includes measures to minimise potential impacts to the users of Lytham St Annes beach and Blackpool Road Recreation Ground. The Detailed PRoW Management Plan(s) will include details of temporary and permanent diversions, closures, gated crossings and signage to be provided during construction and details to reinstate all PRoWs potentially affected during construction.	CoT32 has been updated to clarify that an outline PRoW Management Plan and an appended Outline Open Space Management Plan have been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT33	RPSS	An Outline Dust Management Plan (DMP) has been prepared as part of the Outline CoCP and submitted as part of the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The measures in the detailed DMP(s) will accord with guidance set out by the Institute of Air Quality guidance Management (IAQM, 2024) where appropriate and practicable, and will include measures for monitoring and reporting dust levels, and dust suppression and mitigation measures during construction and operation. An Outline Code of Construction Practice (CoCP) will be prepared and submitted with the application for development consent. CoCP(s) will be developed in accordance with the outline CoCP. The CoCP will include best practice measures in relation to air quality that will be applied where human receptors reside within 350 m of works, where required, or where sensitive ecological receptors are present within 50 m, as described in Institute of Air Quality guidance Management (IAQM, 2014) as appropriate.	CoT33 has been amended to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT34	RPSS	Based on noise modelling results, where construction noise has the potential to cause significant adverse effects, mufflers and acoustic barriers will be used, where practicable, where HDD (or other trenchless methodologies techniques) is being undertaken.	CoT23 has been updated to reflect Project terminology and updated to change its mitigation measure category

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
			from embedded mitigation to secondary. No information has changed.
CoT35	RPSS	<p>An Outline Code of Construction Practice (CoCP) will be has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The Outline CoCP will includes measures to maintain and address:</p> <ul style="list-style-type: none"> - flood protection and control measures; - water environment and drainage; - pollution prevention; - geology and ground conditions; - ecology and nature conservation (including protected species and invasive species); - historic environment; - soil management; - traffic and transport; - noise management measures; - air quality and dust management; - landscape and visual; - recreation; and - bentonite breakout plan. 	CoT35 has been slightly amended to replace "will be prepared" with "has been prepared". It has been updated to include further measures contained within the CoCP.
CoT36		An Onshore Decommissioning Plan(s) will be developed prior to decommissioning. The Onshore Decommissioning Plan(s) will include provisions for the removal of all onshore above ground infrastructure and the decommissioning of below ground infrastructure (if and where relevant and practicable), and details relevant to flood risk, pollution prevention and avoidance of ground disturbance. The Onshore Decommissioning Plan(s) will be in line with the latest relevant available guidance.	CoT36 has been slightly amended to make the commitment reflect that both Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited will produce plans post-consent.
CoT38	RPSS	<p>An Outline Construction Traffic Management Plan (CTMP) will be has been prepared and submitted with the application for development consent. CTMP(s) will be developed in accordance with the outline CTMP prior to construction.</p> <p>The detailed CTMP(s) will set out measures to include:</p> <ol style="list-style-type: none"> 1. managing the numbers and routing of HGVs during the construction phase; 2. managing the movement of construction worker traffic during the construction phase; 3. details of measures to manage the safe passage of HGV traffic via the local highway network; and 4. details of localised road improvements if and where these may be necessary to facilitate safe use of the existing road network. 	CoT38 has been slightly amended to replace "will be prepared" with "has been prepared". No information has changed.
CoT39	RPSS	Fences, walls, ditches and drainage outfalls will be retained at the landfall and along the onshore export cable corridor and 400 kV grid connection cable corridor, where possible. Where it is not reasonably practicable to retain them, any damage will be repaired and reinstated as soon as reasonably practical. The Environment Agency must be notified if damage occurs to any Environment Agency main river or related flood infrastructure.	CoT39 has been updated to reflect Project terminology and updated to change its mitigation measure category from secondary to embedded mitigation. No information has changed.
CoT40	RPSS	An Onshore and Intertidal Written Scheme of Investigation(s) (WSI) will be developed in line with the Outline Onshore and Intertidal WSI. The Onshore and Intertidal WSI(s) will provide details on the surveys	CoT40 has been updated to reflect Project terminology and be more concise.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		<p>and archaeological mitigation in advance for each stage of the Project any ground breaking works and during construction.</p> <p>An Outline Written Scheme of Investigation (WSI) will be prepared and submitted with the application for development consent. The detailed WSI(s) for Onshore Archaeology will be developed in line with an Outline Written Scheme of Investigation (WSI) for Onshore Archaeology. The onshore WSI(s) will detail the surveys and archaeological mitigation requirements in advance of and during construction.</p> <p>The document will also include but not limited to:</p> <ul style="list-style-type: none"> –purposive core sampling to enable geoarchaeological deposit modelling, where appropriate; –details of the geophysical surveys to be completed; and –a follow-up programme of archaeological trial trenching to be implemented. 	
CoT41	RPSS	Where the onshore export cable corridor or 400 kV grid connection cable corridor crosses sites of particular sensitivity (e.g. embanked Environment Agency surface watercourses, Sites of Special Scientific Interest or groundwater inner Source Protection Zones) a hydrogeological risk assessment(s) will be undertaken to inform a site-specific crossing method statement(s) where required. These will also be agreed with the relevant authorities stakeholders prior to construction.	CoT41 has been updated to specify that hydrogeological risk assessments are to be undertaken where practicable.
CoT42	PEIR	<p>A Greenhouse Gas (GHG) Reduction Strategy has been prepared and submitted with the application for development consent. The GHG Reduction Strategy outlines The Applicants are committed to exploring options to reduce construction-related emissions. Areas to be explored could include:</p> <ul style="list-style-type: none"> •improving construction and operational activity to reduce emissions (e.g., potentially related to vessel scheduling, co-ordination of shipping/delivery of materials and the identification energy efficiency mechanisms) •working with the supply chain and its partners to reduce emissions during construction and operation. •consideration of low carbon criteria within procurement activities, in partnership with the supply chain. 	CoT42 has been updated and revised to reflect the Project's commitment to prepare and submit a Greenhouse Gas (GHG) Reduction Strategy which is provided alongside the DCO application (see document J4).
CoT43	PEIR	The onshore export cables including fibre optics or other communications cables, will be installed within the onshore export cable corridor and 400kV grid connection corridor within cable ducts or other protective covers or sheaths or mini- or micro-tunnels, as opposed to using direct lay installation method.	CoT43 has been updated to align with the draft DCO definition of cables and reflect Project design changes post-PEIR.
CoT44	PEIR	The Project Description (Volume 1, Chapter 3 of the Preliminary Environmental Information Report (PEIR) Environmental Statement) sets out that the installation of the offshore onshore export cables corridor at under Lytham St Annes SSSI and the St Annes Old Links Golf Course will be undertaken by direct pipe trenchless installation technique. HDD (or other trenchless methodologies). The exit pits associated with the direct pipe installation will be at least 100 m seaward of the western boundary of the SSSI.	CoT44 has been updated to reflect Project design changes post-PEIR, including crossing techniques.
CoT45	PEIR	The Outline Offshore Cable Specification and Installation Plan(s) (CSIP) for the Fylde MCZ will be produced prior to construction of the offshore export cable which will includes: details of cable burial depths, cable protection, and cable monitoring, and a cable layout plan which ensures safe navigation is not compromised. The Outline CSIP will also includes a Cable Burial Risk Assessment (CBRA). Detailed CSIP(s) and CBRA(s) will be prepared by the Applicants covering the full extent of their respective offshore export cable corridors. Detailed CSIPs will be developed in accordance with the Outline CSIP and will ensure safe navigation is not compromised including consideration of under keel clearance. No more	CoT45 has been updated to provide specific details on underkeel clearance and to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		than 5% reduction in water depth (referenced to Chart Datum) will occur at any point on the offshore export cable corridor route without prior written approval from the MCA.	
CoT46	PEIR	Aids to navigation (marking and lighting) will be deployed in accordance with international maritime regulations and the latest relevant available standard industry guidance as advised by Trinity House or MCA and Civil Aviation Authority (CAA) and MoD as appropriate. This will include a buoyed construction area around cable laying operations, cable repairs and during cable maintenance the OSPs and the Morgan offshore booster station, in consultation with Trinity House.	CoT46 has been amended to reflect Project design changes post-PEIR.
CoT47	PEIR	The Outline Offshore Cable Specification and Installation Plan(s) (CSIP) will include measures to limit the extent of cable protection to 3% of the offshore export cable corridor route within the Fylde (Marine Conservation Zone) MCZ (excluding cable crossings) and sandwave clearance within the Fylde MCZ and will be informed through the undertaking of survey works pre-construction. Within the Fylde MCZ, external cable protection will only be used where deemed to be essential, e.g. for cable crossings or in the instance that adequate burial / reburial is not possible for any section of the route through the Fylde MCZ. The Outline CSIP also includes measures to limit sandwave clearance to up to 5% of the offshore export cable corridor route within the Fylde MCZ. Material arising from sandwave clearance in the Fylde MCZ will be deposited within the Fylde MCZ. The requirements for cable protection and sandwave clearance will be informed through the undertaking of pre-construction surveys. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	CoT47 has been update to provide specific details on sandwave clearance and cable protection parameters.
CoT48	PEIR	Construction Method Statement(s) will be produced prior to construction which will confirm that installation of piled foundations would not occur concurrently for: - the Morecambe OSPs. A Construction Method Statement will be produced prior to construction which will confirm that installation of piled foundations would not occur concurrently for: - the Morgan OSPs and the Morgan offshore booster station.	CoT48 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT49	PEIR	Development of, and adherence to, a Construction Method Statement(s) will be produced prior to construction. Construction Method Statement(s) (CMSs) including Offshore Cable Specification and Installation Plan(s) will be produced and implemented prior to construction. which will confirm. These will contain: - details of cable installation and methodology; and - details of foundation installation methodology covering scour protection and the deposition of material arising from drilling, dredging, and/or sandwave clearance.	CoT49 has been amended to reflect Project design changes post-PEIR and provide clarity that these plans will be prepared and implemented post-consent.
CoT50	PEIR	Outline Detailed Fisheries Liaison and Coexistence Plan(s) will be developed in accordance with the Outline Fisheries Liaison and Coexistence Plan and will include details for providing advance warning and information on accurate locations for construction and maintenance activities, associated Safety Zones, and advisory passing distances to be given via Notifications to Mariners to ensure navigation safety.	CoT50 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent. Its mitigation measure category has been changed from embedded mitigation to secondary.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
CoT51	PEIR	Crossing and proximity agreements, as set out in the Offshore Crossing Schedule submitted for DCO application as part of the application for development consent , will be sought with known existing pipeline and cables operators.	CoT39 has been updated to reflect Project terminology. No information has changed.
CoT52	PEIR	Ongoing liaison with the fishing industry through the appointment of a Company Fisheries Liaison Officer(s) (CFLO)(s) and adherence to good practice guidance with regards to fisheries liaison (e.g. Fishing Liaison with Offshore Wind and Wet Renewables Group FLOWW (2014, 2015) guidance). Outline Fisheries Liaison and Coexistence Plan(s) will be developed and will include details for providing advance warning and information on accurate locations for construction and maintenance activities, associated Safety Zones, and advisory passing distances to be given via Notifications to Mariners to ensure navigation safety.	CoT52 has been updated to ensure alignment with the Applicants' OWF Generation Assets development consent applications. It has also been updated to change its mitigation measure category from secondary to embedded mitigation.
CoT53	PEIR	Layout Principles will be agreed with the Marine Management Organisation (MMO), in consultation with the Maritime Coastguard Agency (MCA) and Trinity House. Proposed to be secured within the DCO and deemed marine licences.	CoT53 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT54	PEIR	An Outline Offshore Cable Specification and Installation Plan(s) (CSIP) will include s for cable burial to be the preferred option for cable protection, where practicable. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	CoT54 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT55	PEIR	Offshore Decommissioning Plan(s) Programme(s) will be developed prior to decommissioning and will include information on the consideration of recycling of materials, where practicable, and if opportunities are available.	CoT55 has been updated to align with the draft DCO which includes requirements to develop Offshore Decommissioning Programme(s).
CoT56	PEIR	Requests to the UK Aeronautical Information Service to submit Notice to (Airmen) Aviation Missions (NOTAM) will be issued, as necessary, in the event of any failure of aviation lighting. Proposed to be secured through the DCO and deemed marine licence.	CoT56 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT57	PEIR	Skills and Employment and Skills Plan(s) will be produced prior to construction, in accordance with the Outline Employment and Skills Plan prepared and submitted with the application for development consent. Detailed Skills and Employment and Skills Plan(s) which will detail how the Applicants will engage with local workers and training providers for anticipated employment opportunities associated with the Transmission Assets.	CoT57 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT58	PEIR	Onshore substation associated building dimensions will be placed, or dimensions constructed, so as not to impinge aerodrome OLS, radar, and transmitter/receiver aerial protected surfaces. This will be done in consultation with the MOD Defence Infrastructure Organisation (DIO), NATS and Blackpool Airport and proposed to be secured through the DCO.	CoT58 has been removed as the Onshore substations have been sited to avoid to impinge aerodrome OLS, radar, and transmitter/receiver aerial protected surfaces.
CoT59	PEIR	The United Kingdom Hydrographic Office will be notified of both the commencement, progress and completion of offshore construction works to allow marking of all installed infrastructure on nautical charts. Proposed to be secured within the DCO and deemed marine licence.	CoT59 has been updated to make the commitment more concise.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
CoT60	PEIR	Operational site lighting at the OSPs and Morgan offshore booster station will be designed in accordance with the latest legislation as well as relevant available guidance (e.g. CAA regulations and guidance such as CAP 764, CAP437, MCA MGN 654 etc.)	CoT60 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT61	PEIR	An Outline Fisheries Coexistence and Liaison Plan(s) will seek to minimise the duration for which the offshore export cable corridors will be closed to vessels during construction, to limit disruption to commercial fishing activities, if and where practicable. Detailed Fisheries Coexistence and Liaison Plan(s) will be developed in accordance with the Outline Plan.	Cot61 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT62	PEIR	Outline Fisheries Liaison and Coexistence Plan(s) will be produced to set out the commitments relating to coexistence with the fishing industry and to ensure navigational safety. It will reference the appointment, and responsibilities of, a company fisheries liaison officer (CFLO). The d Detailed Fisheries Liaison and Coexistence Plan(s) will accord with the Outline Fisheries Liaison and Coexistence Plan(s).	CoT62 has been slightly amended to make the commitment reflect that both Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited will produce their own detailed plans post-consent.
CoT63	PEIR	An Outline Offshore Written Scheme of Investigations (WSI) for Archaeology will be developed- has been prepared and submitted with the application for development consent. in consultation with Historic England which includes- The Outline Offshore WSI for Archaeology includes: - the requirement for Archaeological Exclusion Zones (AEZs) around those sites identified as having high and medium archaeological potential, as presented in the Offshore Historic Environment Plan; for assets identified as medium or high potential within the ES, recorded wrecks, and other archaeological sites of significance; -the requirement for Temporary Archaeological Exclusion Zones (TAEZs) based on all available information including the stated positional accuracy, the recorded size of the target and the potential archaeological significance, as presented in the Offshore Historic Environment Plan; -implementation of a Protocol for Archaeological Discoveries (PAD) in accordance with 'Protocol for Archaeological Discoveries: Offshore Renewables Projects' (The Crown Estate, 2014); - the incorporation of marine archaeology specification and analysis in further pre-construction surveys such as geophysical, geotechnical, or ROV/diver surveys; - the methodology for further site investigation, including archaeological input into specifications for, and archaeological analysis of, any post-consent, site investigation. The responsibilities of the Transmission Assets Retained Archaeologist(s) includes being consulted in the preparation of any pre-construction ROV/diver surveys where relevant, including geophysical, geotechnical and ROV/diver survey and, if appropriate, in monitoring/checking of data;- the requirement for the acquisition of relevant spatial survey data, and includes monitoring of AEZs, where required. This monitoring will include the appropriateness of, and adjustments that need to be made to, AEZs during the lifetime of Transmission Assets, where required; - operational awareness and avoidance, where possible, of -the location of archaeological anomalies identified as having a low potential and the requirement for the acquisition of pre-construction survey data of any low potential anomalies in the event that avoidance is not possible; - where avoidance of low potential anomalies is not possible, mitigation measures for potential direct impacts to marine archaeology; and - details of reporting and archival requirements including any agreed archaeological report is deposited with the National Record of the Historic Environment, by submitting an OASIS (Online Access to the Index	CoT63 has been updated to provide more detail on the scope and content of the Outline Offshore WSI (document reference J17). It has also been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		<p>of archaeological investigations) form with a digital copy of the report within six months of completion of construction of the Transmission Assets.</p> <p>Proposed to be secured as a requirement of the DCO and deemed marine licence (Marine Archaeology Written Scheme of Investigation)</p> <p>Detailed Offshore WSI(s) for Archaeology will be developed in accordance with the Outline Offshore WSI for Archaeology, in consultation with Historic England.</p>	
CoT64	PEIR	<p>A Detailed Outline-Marine Mammal Mitigation Protocols (MMMPs) will be developed and implemented during construction in accordance with the Outline MMMP, to reduce the risk of injury to marine mammals and fish species. The MMMP will accord with the Outline MMMP and The Detailed MMMP(s) will include measures to apply in advance of and during surveys and UXO clearance. The Detailed MMMP(s) will include for the use of low order techniques, where possible, as the primary mitigation measure alongside other measures. The detailed MMMP(s) will be approved by Marine Management Organisation as may be agreed in consultation with Natural England and the Marine Management Organisation.</p> <ul style="list-style-type: none"> - details of mitigation zones based on the maximum spatial scenario (monopiles pin piles, UXO clearance, geophysical surveys, etc.) - measures to apply in advance of and during surveys and UXO clearance or piling activities which may include the use of Marine Mammal Observers, Passive Acoustic Monitoring and Acoustic Deterrent Devices; - details of soft starts to be used during piling operations with lower hammer energies used at the beginning of the piling sequence before increasing energies to the higher levels. - For monopiles, a 10 minute initiation phase is used with hammer energy of 550 kJ (10% of full power piling) at a strike rate of 0.67 per minute (1 strike every 90 seconds) and then soft start duration is 20 minutes, with a hammer energy of 550 kJ (10% of full power piling) and strike rate of 10 per minute. Ramp up will then increase from 550 to 5000 kJ with strike rate of 15 strike per minute for 20 minutes. - For pin-piles, a 10 minute initiation phase is used with hammer energy of 300 kJ at a strike rate of 0.67 per minute (1 strike every 90 seconds) and then soft start duration is 20 minutes with hammer energy of 300 kJ with strike rate of 10 per minute. Ramp up will then increase from 300 to 2500 kJ with strike rate of 15 strike per minute for 20 minutes. 	CoT64 has has been updated to make the commitment more concise. It has also been amended to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT65	PEIR	<p>Offshore Environmental Management Plan(s) (EMPs) will be developed and will include details of:</p> <ul style="list-style-type: none"> - a marine pollution contingency plan to address the risks, methods and procedures to deal with any spills and collision incidents during construction and operation of the authorised scheme for activities carried out below MHWS; - a chemical risk review to include information regarding how and when chemicals are to be used, stored and transported in accordance with recognised best practice guidance; - waste management and disposal arrangements; - the appointment and responsibilities of a fisheries liaison officer; - a fisheries liaison and coexistence plan (which accords with the outline fisheries liaison and co-existence plan) to ensure relevant fishing fleets are notified of commencement of licensed activities pursuant to condition and to address the interaction of the licensed activities with fishing activities; - measures to minimise disturbance to marine mammals and rafting birds from vessels; and - a Marine Biosecurity Plan detailing how the risk of introduction and spread of invasive non-native 	CoT65 has been updated to align with the draft DCO which includes a requirement to develop Offshore Environmental Management Plan(s).

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		species will be minimised measures to minimise the potential spread of invasive non-native species, including adherence to IMO ballast water management guidelines. it will consider the origin of vessels and contain standard housekeeping measures for such vessels as well as specific measures to be adopted in the event that a high alert species is recorded (e.g. carpet sea squirt <i>Didemnum vexillum</i>).	
CoT66	PEIR	A Safety Zone Statements has been submitted as part of the application for development consent. Safety zones of up to 500 m. Advisory exclusion zones of 500 m- will be applied during construction and maintenance and decommissioning activities. Where defined by risk assessment, guard vessels will also be used to ensure adherence with Safety Zones or advisory passing distances to mitigate impacts which pose a risk to surface navigation. Application for safety zones to be made post-consent under 'The Electricity (Offshore Generating Stations) (Safety Zones) (Applications Procedures and Control of Access) Regulations 2007 (SI No 2007/1948)'. (Safety Zone Statement)	CoT66 has been updated to clarify that a Safety Zone Statement has been prepared and submitted along with the application for development consent. It has also been slightly reworded to align with the content of that document (document reference (document reference J33)).
CoT67	PEIR	The Morgan offshore booster station will align with the Morecambe Generation turbine layout if situated less than 1 nm from the array. Proposed to be secured within the DCO (detailed design parameters).	CoT67 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT68	PEIR	UXO specific MMMP(s), approved by the MMO in consultation with Natural England, will be implemented during UXO clearance. The UXO MMMP will use low order techniques, where possible, as the primary mitigation measure alongside other measures as may be agreed with Natural England and the MMO.	CoT68 has been amalgamated into CoT64.
CoT69	PEIR	Detailed Vessel Traffic Management Plan(s) (VTMP) will be developed pre-construction in line with legislation, guidance and industry best practice which will: - determine vessel routing to and from construction areas and ports; - include vessel standards and a code of conduct for vessel operators; and - minimise, as far as reasonably practicable, encounters with marine mammals and basking sharks. These plans will be developed in accordance with the Outline VTMP prepared and submitted with the application for development consent.	CoT69 has been amended to include specific reference to basking sharks and to reflect the updated document title. It has also been updated to clarify that an outline plan has been prepared and submitted with the application for development consent.
CoT70	PEIR	Offshore Emergency and Response and Safety Plan(s) will be prepared post-consent to ensure relevant compliance with MGN654, where appropriate. This includes completion of an MGN654 Search and Rescue Checklist in consultation with the MCA. (Offshore Emergency Response and Safety Plan)	CoT70 has been updated to make the commitment it clearer that plan(s) will be prepared by the Applicant's post-consent.
CoT71	PEIR	An Outline Offshore Operation and Maintenance Plan(s) will be produced prior for operation has been prepared and submitted as part of the application for development consent, in accordance with the definition of "maintain" within the draft Development Consent Order (DCO) including inspection, maintenance, repairs, etc. Detailed Offshore Operation and Maintenance Plan(s) will be produced prior to entering the operation and maintenance phase.	CoT71 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT72	PEIR	The Applicants will ensure compliance with MGN654 for vessel traffic monitoring and continuous watch, where appropriate, in consultation with the MCA. Secured through relevant conditions as part of the deemed marine licence(s).	CoT72 has been slightly amended to be more concise.
CoT73	PEIR	An Outline Biosecurity Protocol will be has been prepared, as part of the Outline CoCP and submitted as part of the application for the development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP.	CoT73 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
			prepared post-consent. It has also been updated to change its mitigation measure category from secondary to embedded mitigation.
CoT74	PEIR	Consultation with Blackpool Airport will be undertaken regarding the installation of aerodrome obstacle lighting in line with CAP 738 guidance, where appropriate. Proposed to be secured within the DCO.	CoT74 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT75	PEIR	The Transmission Assets operators, or the Aerodrome Authority, will issue, as necessary, requests to the UK Aeronautical Information Service to submit Notice to (Airmen) Aviation Missions (NOTAM) to warn users of any activity it sees should be informed to airfield users. Proposed to be secured through the DCO.	CoT75 has been removed and merged with CoT105.
CoT76	PEIR	Detailed Ecological Management Plan(s) (EMP) will be developed in accordance with the Outline Ecological Management Plan (OEMP). The Outline Ecological Management Plan has been prepared and submitted as part of the application for development consent and includes but is not limited to pre-construction, construction and post- construction mitigation measures relating to habitats and protected or notable species, species mitigation licences and the role of the Ecological Clerk of Works (ECow) where relevant. The Outline Ecological Management Plan also includes a Breeding Bird Protection Plan which will set out mitigation measures such as vegetation clearance in winter (e.g., hedgerows), pre-construction breeding bird survey, appropriate protection zones upon confirmation of nest building/breeding taking place of key protected or sensitive species. In addition to the Breeding Bird Protection Plan, the OEMP sets out species-specific mitigation plans for Important Ecological Features identified as part of the assessment. The Detailed Ecological Management Plan(s) will also include details of any long term mitigation and management measures relevant to onshore ecology and nature conservation and in relation to onshore and intertidal ornithology. This will include the management of ecological mitigation areas. The Detailed EMPs Ecological Management Plan(s) will be developed in consultation with the relevant responsible authorities statutory advisors and regulators..	CoT76 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent. It has also been slightly amended to replace "will be prepared" with "has been prepared".
CoT77	PEIR	An Outline Bentonite Breakout Plan will be has been prepared as part of the Outline CoCP and submitted as part of the application for the development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP.	Cot77 has been slightly amended to replace "will be prepared" with "has been prepared".
CoT78	PEIR	A Biosecurity Protocol will be prepared as part of the Outline CoCP and submitted as part of the application for the development consent. CoCP(s) will be developed in accordance with the outline CoCP.	CoT78 has been removed as it is a repeat of CoT73.
CoT79	PEIR	An Outline Construction Noise and Vibration Management Plan will be has been prepared as part of the Outline CoCP and submitted as part of the application for development consent. They It will includes measures to mitigate noise from construction activities associated with the Transmission Assets. The detailed CoCP(s) will be Detailed Construction Noise and Vibration Management Plan(s) will be developed in accordance with Detailed CoCPs. If required, a Bespoke method statement(s) will be developed to ensure suitable noise limits can be met on specific sensitive noise receptors.	CoT79 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT81	PEIR	An Outline Soil Management Plan will be will be prepared as part of the Outline CoCP and submitted as part of the application for the development consent. The detailed CoCP(s) will be developed in accordance	CoT81 has been updated to clarify that an outline plan has been prepared and submitted with the application

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		with the outline CoCP. The Detailed Soil Management Plan(s) will be developed in order to characterise and manage soil materials during construction. Soil types would be determined via site-specific survey work.	for development consent. Detailed plan(s) will be prepared post-consent.
CoT82	PEIR	Where trenchless techniques are proposed for crossing ordinary watercourses, the entry and exit pits will be set back a minimum of 8 m from the bank of the watercourse. These crossings are detailed in the Onshore Crossing Schedule. Where required, geomorphological surveys will be undertaken on ordinary watercourses that may be crossed by trenched techniques. These will be used to inform detailed designs prior to construction An 8 m buffer will be maintained between the banks of ordinary watercourses and all temporary working areas for the transmission assets where practically possible. The same buffer, where possible, will be maintained for the permanent onshore substation sites. This is shown on the Works Plans.	CoT82 has been updated to clarify that it relates to trenchless crossings and provides clarity that where required, further surveys will be undertaken. It has also been updated to change its mitigation measure category from secondary to embedded mitigation.
CoT83	PEIR	An Onshore and Intertidal Net Gain Enhancement Plan will be developed and submitted as part of the application to identify areas where biodiversity net gain and/or opportunities for any enhancement are proposed. This will include details of the measures proposed.	CoT83 has been removed, as the Applicants' approach to undertaking enhancement opportunities is set out in the Outline Ecological Management Management Plan (document reference J6).
CoT84	PEIR	An Outline Code of Construction Practice (CoCP) will be has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. In order to manage impacts to field drainage, the outline CoCP will stipulates that the contractor will develop field drainage plans will be developed in consultation with the relevant landowners. If required, additional field drainage will be installed to ensure the existing drainage of the land is maintained during and after construction.	Cot84 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT85	PEIR	An Outline Code of Construction Practice (CoCP) will be has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. The Outline CoCP will include that temporary haul road(s) will be installed using permeable gravel aggregate with a geotextile or other type of protective matting, or plastic or metal plates or grating, where required possible.	Cot85 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT86	PEIR	An Outline Code of Construction Practice (CoCP) will be has been prepared and submitted with the application for development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. Where required, trenched techniques may be used for minor ditches or smaller watercourses that are frequently dry. In these cases, measures will be implemented to protect water quality and flow and these will be detailed within the Outline Outline CoCP.	Cot86 has been updated to clarify that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT88	PEIR	Best Practicable Means (as defined in Section 72 of the Control of Pollution Act 1974 and Section 79 of the Environmental Protection Act 1990) and will be implemented during the construction, operation, maintenance aspects of the Transmission Assets, where appropriate, to ensure that noise levels are minimised within all reasonably foreseeable circumstances. For the construction phase these will be detailed within the Outline CoCP, for the operational and maintenance phase these will be detailed within the Operational Noise Management Plan(s).	CoT88 has been slightly amended to make the commitment reflect that both Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited will produce plans post-consent.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
CoT89	DCO	No demolition of any building will be undertaken in connection with the construction of the Transmission Assets. This is in accordance with the Outline Code of Construction Practice (CoCP) and detailed CoCPs.	CoT89 has been created to reflect the Applicants' commitment to not demolish any buildings during construction, thereby avoiding any construction-related impacts on bats.
CoT90	PEIR	The Project Description (Volume 1, Chapter 3 of the Environmental Statement) sets out that the installation of the 400kV Grid Connection Cable Corridor beneath the River Ribble will be undertaken by direct pipe or micro tunnel trenchless installation techniques. HDD (or other trenchless methodologies) will be used to cross the River Ribble where the 400 kV grid connection cable is proposed.	CoT90 has been updated to reflect Project design changes post-PEIR, including crossing techniques and associated locations.
CoT91	PEIR	Impacts on the Lancashire Coastal Way Long Distance Path and the Ribble Way Long Distance Path will be minimised through site design considerations where reasonably practicable. An Outline Public Rights of Way (PROW) Management Plan as part of the Outline CoCP, has been prepared and submitted with the application for development consent. Detailed Public Rights of Way (PROW) Management Plan(s) will be developed in accordance with the Outline Public Rights of Way (PROW) Management Plan and Outline CoCP. These will detail measures to mitigate against temporary disruption or reduced access on the Lancashire Coastal Way Long Distance Path and the Ribble Way Long Distance Path, as well as all other PROWs to be crossed.	CoT91 has been amended to make it clearer and to clarify that an outline plan has been prepared and submitted with the application for development consent, appended to the Outline CoCP. Detailed plan(s) will be prepared post-consent.
CoT92	PEIR	The Applicants will join the Lancashire District Level Licensing scheme in relation to Great Crested Newts, as detailed within the Outline Ecological Management Plan.	CoT92 has been updated to clarify where the mitigation is proposed to be secured and updated to change its mitigation measure category from secondary to embedded mitigation.
CoT93	PEIR	The Outline Code of Construction Practice (CoCP) will be submitted as part of the application for the development consent. CoCP(s) will be developed in accordance with the outline CoCP. If necessary, the Outline CoCP will include additional measures (e.g. adoption of suitable noise limits, visual screening and toolbox talks to personnel) at specific HDD (or other trenchless methodologies) and/or construction compounds locations, including at the entry and exit of any drills (e.g. in the vicinity of the intertidal area and the River Ribble (including the Ribble Way Long Distance Path)) to reduce the potential effects of disturbance.	CoT93 has been removed due to duplication with CoT91.
CoT94	PEIR	The Outline Code of Construction practice (CoCP) will be has been submitted as part of the application for the development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. The Outline CoCP will details of appropriate studies (e.g. Site Investigations) proposed to be undertaken where major HDDs (or other trenchless methodologies techniques) are proposed, during the detailed design stage to confirm ground conditions.	CoT94 has been amended to replace "will be" with "has been" and to reflect Project terminology.
CoT95	PEIR	The Outline Code of Construction Practice (CoCP) will be has been submitted as part of the application for the development consent. Detailed CoCP(s) will be developed in accordance with the Outline CoCP. The Outline CoCP will includes that during the construction phase the Principal Contractor(s) will sign up to the Flood Warning Service and will be alerted by a phone call or text when a Flood Warning becomes active.	CoT95 has been slightly amended to replace "will be" with "has been".

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		The flood warning will be applied to the entire Onshore Infrastructure Area located within Flood Zones 2 and 3 to enable site personnel to be evacuated from the site in a timely manner prior to a flood event occurring, if appropriate.	
CoT96	PEIR	The Outline Code of Construction Practice (CoCP) will be has been submitted as part of the application for the development consent. Detailed CoCP(s) will be developed in accordance with the o Outline CoCP. The Outline CoCP will include s that farm access routes between fields within a farm holding will be maintained (where reasonably practicable), or alternative routes agreed with the land holder to enable the continued operation of agricultural land holdings during the construction phase, where this may be possible.	CoT96 has been slightly amended to replace "will be" with "has been".
CoT97	PEIR	The Outline Code of Construction Practice (CoCP) will be has been submitted as part of the application for the development consent. Detailed CoCP(s) will be developed in accordance with the outline CoCP. The outline Detailed CoCPs will detail that where necessary at the compounds located within the landfall area, construction measures will be adopted to maintain the existing level of flood protection during construction. These measures will be discussed with the EA. If applicable, these measures could include scheduling work windows against tide times and briefing site personnel regarding weather conditions, tide times and heights. If a Flood Warning/Flood Alert is issued for the 'Lancashire coastline at Lytham St. Annes, along the coast from Squires Gate to Warton Bank' Flood Warning Area (reference 012FWCTL13A) and the 'Coast at Lytham St Annes' Flood Alert area (reference 012WACLS) works within the relevant areas within the landfall area would also be stopped whilst the Flood Warning/Flood Alert is active.	CoT97 has been slightly amended to replace "will be" with "has been". It also clarifies that an outline plan has been prepared and submitted with the application for development consent. Detailed plan(s) will be prepared post-consent.
CoT98	PEIR	The Outline Code of Construction Practice (CoCP) will be submitted as part of the application for the development consent. CoCP(s) will be developed in accordance with the outline CoCP. The Outline CoCP will include measures to minimise potential impacts to recreational users on the beach, where reasonably practicable.	CoT98 has been removed due to repetition repetition with CoT32
CoT99	PEIR	Where construction of the onshore substations may require the diversion of ordinary watercourses, any diversions will be appropriately sized to ensure existing watercourse capacity is maintained to afford conveyance of existing flows to mitigate upstream fluvial flood risk.	CoT99 has been removed as it no longer applies due to Project design changes post-PEIR.
CoT100	PEIR	Where HDD (or other trenchless methodologies) is undertaken within 600 m of the intertidal zone (between MHWS and MLWS), near the River Ribble and at Queensway Farm Conservation Area, appropriate measures will be explored at the construction compounds, including at the entry and exit of any drills to reduce potential effects of disturbance. These may include the adoption of suitable noise limits, visual screening and toolbox talks to personnel as detailed within the outline CoCP which will be submitted as part of the application for the development consent. CoCP(s) will be developed in accordance with the outline CoCP.	CoT100 has been removed to address overlap with CoT07, with specific mitigation requirements provided within the Outline CoCP (document reference J1).
CoT102	PEIR	Where sections of PRow s are required to be closed during the construction of the onshore export cable corridor and 400 kV grid connection cable corridor , they will not be closed for any longer than three months at any one time, or for six months in total over the whole construction period. Where closures are required for longer periods due to unforeseen circumstances encountered during construction, Lancashire County Council will be informed in writing. This will be in accordance with the	CoT102 has been updated to make it clearer to read. No information has changed.

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		Outline PRoW Plan that has been prepared, as part of the Outline CoCP and submitted as part of the application for development consent.	
CoT103	PEIR	Where suspected contamination is present and piling is proposed, where required a detailed piling risk assessment(s) will be developed prior to the commencement of the relevant stage of works. Consultation with the Environment Agency will be sought.	CoT103 has been updated to make it clearer that where assessments are required, these may be undertaken by Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited.
CoT104	PEIR	Where the onshore export cable corridor and/or 400 kV grid connection corridor crosses sites of particular sensitivity, which cannot be avoided and has the potential to impact protected species populations, a mitigation strategy will be devised and agreed with relevant stakeholders. Detailed Ecological Management Plan(s) (EMP) will be developed in accordance with the Outline Ecological Management Plan (OEMP). The OEMP includes pre-construction, construction and post-construction and any long-term mitigation and management (where applicable). The OEMP includes, but is not limited to: habitats, hedgerows, birds, bats, badgers, otters, water voles, reptiles, terrestrial invertebrates, and other protected or notable species where relevant. The EMP(s) which will include details of any long-term mitigation and management measures relevant to onshore ecology and sites of particular sensitivity. The EMP(s) will be developed in consultation with the relevant stakeholders.	CoT104 has been updated to reference the Outline Ecological Management Plan (OEMP), which is provided with the DCO application (document reference J6).
CoT105	PEIR	No construction works within the operational (i.e. airside) boundary of Blackpool Airport will commence Civil Aviation Publication (CAP) 791 Parts 1 & 2 approval has been obtained from the Civil Aviation Authority (CAA) in connection with those works. Part 3 will be finalised on the CAA inspection of the completed works. Appropriate and operationally sensitive trench route planning, activity and techniques will be used in the trenching construction phase on Blackpool Airport in line with the guidance within CAP 791.	CoT105 has been updated to be more concise regarding the process that will be followed and associated governance and approvals process that is outside of the DCO process.
CoT106	DCO	The EMF Compliance Statement has been prepared and submitted with the application for development consent. The Applicants will design the [Transmission Project] to ensure compliance with relevant electromagnetic field (EMF) exposure public health protection standards, where appropriate, as specified in the International Commission on Non-ionizing Radiation Protection publication 'Guidelines For Limiting Exposure To Time-Varying Electric, Magnetic And Electromagnetic Fields (Up To 300 Ghz) (1998)' and the Department for Energy and Climate Change publication 'Power Lines: Demonstrating compliance with EMF public exposure guidelines A voluntary Code of Practice (2012)'.	CoT106 has been added to reflect the preparation of an EMF Compliance Statement, which is provided with the DCO application (document reference J8).
CoT107	DCO	Where construction activities are undertaken along the onshore export cable corridor within areas of Functionally Linked Land (Lytham Moss Biological Heritage Site) in proximity to Higher Ballam and Lower Ballam, a mitigation area will be provided for supplementary feeding of pink-footed goose and whooper swan during the core wintering bird period (November to March, inclusive). The feeding may comprise retention of spoiled crop and/or the import of additional feed, as appropriate. In addition, scrapes will be provided for terrestrial wader features. This is detailed within the Outline Ecological Management Plan.	CoT107 has been added to ensure the provision of appropriate mitigation to reduce impacts to Pink-footed Geese and Whooper Swans at Lytham Moss Biological Heritage Site.
CoT108	DCO	The Outline Offshore Cable Specification and Intallation Plan (CSIP) submitted as part of the application for development consent, includes for all external cable protection used within the Fylde MCZ to be	CoT108 has been created to reflect the Applicants' commitment to limit long term habitat loss within the

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		designed to be removable on decommissioning. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	Fylde Marine Conservation Zone (MCZ) via the design of hard substrate in response to S42 comments from stakeholders, including Natural England (document reference J15).
CoT109	DCO	The requirement for removal of cable protection within the Fylde MCZ will be agreed with stakeholders and regulators at the time of decommissioning. Removal of cable protection will be in accordance with the Offshore Decommissioning Decommissioning Programme(s).	CoT109 has been added to reflect the Applicants' commitment that the removal of cable protection will be in accordance with the Offshore Decommissioning Decommissioning Programme. The Offshore Decommissioning Programme(s) is included as requirements within the draft DCO, in response to S42 comments from stakeholders, including Natural England.
CoT110	DCO	Construction activities associated with the offshore cable pull in for the Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited will be undertaken in accordance with the Outline Offshore Cable Specification and Installation Plan (CSIP). This will restrict the Applicants to completing one cable pull in (a maximum of five weeks) per wintering season (i.e. during the months of November – February, inclusive), unless otherwise agreed with the MMO, in consultation with Natural England. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	CoT110 has been added to reflect the Applicant's commitment to reducing disturbance to the qualifying features of the Ribble and Alt Estuary SPA during winter months, in response to S42 comments from stakeholders, including Natural England.
CoT111	DCO	The total number of vessels for both the Morgan Offshore Wind Project and Morecambe Offshore Windfarm Limited actively working within the Liverpool Bay/Bae Lerpwl SPA during construction or during operation and maintenance phase will be limited to a maximum of five vessels at any one time in the wintering period, i.e. between November and February (inclusive). This will be included within the Offshore Environmental Management Plan(s)'s measures to minimise disturbance to marine mammals and rafting birds from vessels.	CoT111 has been added to reflect the Applicants' commitment to limiting offshore vessel traffic, thereby reducing disturbance to the qualifying features of the Liverpool Bay/Bae Lerpwl SPA during winter months, in response to S42 comments from stakeholders, including Natural England.
CoT112	DCO	Advance warning will be provided via Notice to Mariners to ensure that the appropriate authorities are informed of offshore construction, operation and maintenance, and decommissioning activities. Copies of all notices must be provided to the MMO, MCA and UKHO as well as other interested parties, as appropriate.	CoT112 has been added to provide specific details on when Notice to Mariners will be provided by the Applicants.
CoT113	DCO	Where construction activities are undertaken within the Intertidal Infrastructure Area, mitigation measures will be provided at Fairhaven saltmarsh to reduce disturbance upon roosting wader features of Ribble and Alt Estuary SPA. This may comprise a combination of the employment of a warden, educational signage, and soft fencing. This is detailed within the Outline Ecological Management Plan.	CoT113 has been added to ensure the provision of appropriate mitigation to reduce impacts to roosting wader features of Ribble and Alt Estuary SPA.
CoT114	DCO	All permanent infrastructure located between Mean Low Water Springs (MLWS) and Mean High Water Springs (MHWS) will be buried to a target depth of 3 metres, subject to further pre-construction surveys to be reported within Detailed Cable Burial Risk Assessments (CBRAs). An Outline CBRA has been prepared and submitted with the application for development consent.	CoT114 has been added to provide detail of the project's commitment to bury permanent infrastructure to a target depth of 3m within the intertidal area defined between MLWS and MHWS.
CoT115	DCO	An Offshore In-Principal Monitoring Plan (OIPMP) has been prepared and submitted as part of the application for development consent. The OIPMP includes for monitoring of the recovery of sediments and	CoT115 has been added to provide a summary of the offshore monitoring-related commitments made by the

Commitment Reference	Commitment Stage	Transmission Assets Commitment	Explanation of Change
		benthic communities within representative areas of the Fylde MCZ potentially impacted -by sandwave clearance, cable installation and cable protection, at appropriate temporal intervals as part of the operational asset integrity surveys. Detailed Offshore Monitoring Plans will be produced prior to operation and maintenance phases in accordance with the OIPMP, and will be approved in consultation with statutory advisors and regulators.	Applicants within the Volume 2 Chapters of the Environmental Statement (document reference F2 and J20).
CoT116	DCO	Any material arising from sandwave clearance within the Transmission Assets Order Limits will be deposited in close proximity to the works and within the licensed disposal sites within the Order Limits, as detailed in the Dredging and Disposal - Site Characterisation Plan prepared and submitted as part of the application for development consent	CoT116 has been added to reflect the Applicants' commitment that material arising from sandwave clearance activities will be disposed of within the Order Limits to support the sustainable management of sediment.
CoT117	DCO	The Outline Offshore Cable Specification and Installation Plan (CSIP) includes details for any jack-up vessels used within the Fylde MCZ to be stationary. No walking jack-ups would be used within the Fylde MCZ. Detailed CSIP(s) will be developed in accordance with the Outline CSIP.	CoT117 has been added to reflect the Applicants' commitment to minimising footprint of jack up vessels within the Fylde MCZ , in response to EWG comments from stakeholders, including Natural England.
CoT118	DCO	Where areas of potentially significant contamination (e.g. landfills) cannot be avoided within the Transmission Assets Order Limits, ground investigation or other appropriate measures (e.g. use Personal Protective Equipment and/or hazard signage) will be implemented to mitigate potential impacts to, or effects on sensitive receptors. Where ground investigation identifies potential risks to sensitive receptors from contamination, a remediation strategy would be prepared in consultation with the Environment Agency.	CoT118 has been added to ensure that during construction, appropriate mitigation will be provided to reduce impacts to construction workers and the local community.
CoT119	DCO	Subject to landowner approval, at detailed design stage, hydrogeological risk assessment(s) will be undertaken at St Annes Old Links Golf Club (abstraction borehole ref: GWA_01), if necessary. The hydrogeological risk assessment(s) would be informed by ground investigation information, where relevant and practicable. If undertaken, the risk assessment(s) will inform a detailed site specific crossing design for the installation of the offshore export cables beneath Lytham St Annes SSSI and the St Annes Old Links Golf Course.	CoT119 has been added to provide detail on the location in which the assessments will be undertaken.
CoT120	DCO	To mitigate for potential permanent habitat loss associated with each of the Onshore Substations, mitigation areas south of Newton-with-Scales will be provided for waders and farmland birds. Measures within these areas may include measures, such as, the creation of scrapes and thickening of hedgerows. This is detailed within the Outline Ecological Management Plan. The final measures will be developed and agreed with the relevant stakeholders as a part of the detailed Ecological Management Plan(s) prior to construction.	CoT120 has been added to ensure the provision of appropriate mitigation for waders and farmland birds due to associated habitat loss within the areas of the Onshore Substations.
CoT121	DCO	Where watercourses are to be crossed by haul roads and temporary access tracks, the culverting or bridging will be appropriately sized to ensure conveyance of existing flows to mitigate the potential for increased flood risk. This will be agreed in consultation with the Lead Local Flood Authority for Ordinary watercourses; or the Environment Agency for Environment Agency Main Rivers.	CoT121 has been added to provide information on the management of flood risk and to minimise impacts to hydrogeomorphology where watercourses are to be crossed by haul roads and temporary access tracks.
CoT122	DCO	The Outline Ecological Management Plan will include details of proposed mitigation measures associated with the direct loss of any ponds within the Transmission Assets Order Limits. Replacement habitat will be	CoT122 has been added to ensure the provision of appropriate mitigation to aquatic invertebrates.

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		provided for ponds considered to be of higher ecological value (e.g. of sufficient conservation interest to support communities of aquatic invertebrates, such as those ponds currently located within the permanent Morgan onshore substation area). Detailed Ecological Management Plan(s) will be developed in accordance with the Outline Ecological Management Plan.	
CoT123	DCO	The Project Description (Volume 1, Chapter 3 of the Environmental Statement) sets out that the installation of the Onshore Export Cable Corridor at Blackpool Road Recreation Ground will be undertaken by HDD (or other trenchless techniques). This trenchless technique installation is anticipated to last a maximum of 5 months of total active construction within the grounds. Appropriate exclusion fencing between the entry and exit pits will only be erected for a maximum of 2 months within the 5 months of active construction to mitigate potential impacts to users.	CoT123 has been added to provide information on the crossing technique and durations, associated with construction activities at Blackpool Road Recreation Ground.
CoT124	DCO	Where mitigation is required for construction activities at Blackpool Road Recreation Ground (for example, the relocation or provision of alternate amenities) these measures will be secured via separate agreements with the relevant parties. For example, via section 106 agreements under the Town and Country Planning Act 1990 and/or section 111 agreements under the Local Government Act 1972.	CoT124 has been added to ensure the provision of appropriate mitigation in relation to construction activities at Blackpool Road Recreation Ground.
CoT125	DCO	The Project Description (Volume 1, Chapter 3 of the Environmental Statement) sets out that the siting and number of compounds associated with the construction activities at the landfall have been sited, where practicable, to avoid key constraints, including the Ribble and Alt Estuaries SPA and the Lytham St. Annes Dunes SSSI, to reduce disturbance upon roosting waders.	CoT125 has been added to provide information on Project design-changes post-PEIR, and to minimise disturbance to roosting waders within the Ribble and Alt Estuaries SPA.
CoT126	DCO	To mitigate for potential temporary habitat loss associated with Mill Brook Valley Biological Heritage Site, temporary construction compounds will be micro-sited to avoid the site wherever reasonably practicable.	CoT126 has been added to provide information on Project design-changes post-PEIR, to minimise impacts to the Mill Brook Valley Biological Heritage Site.
CoT127	DCO	To mitigate for potential disturbance to otters associated with the installation of onshore export cable corridors, a mitigation area in the home range of otter populations will be provided east of Savick Brook. Measures within these areas may include artificial holts and improvement of reed bed habitats. This is detailed within the Outline Ecological Management Plan. The final measures will be developed and agreed with the relevant stakeholders as a part of the detailed Ecological Management Plan(s) prior to construction.	CoT127 has been updated to clarify where the mitigation is proposed to be secured (Outline Ecological Management Plan, document reference J6).
CoT128	DCO	At detailed design stage, hydrogeological risk assessment(s) will be undertaken in relation to the crossing of Lytham St Annes SSSI to mitigate potential impacts to the hydrologically dependant surface water features of the sand dune system. The hydrogeological risk assessment(s) will be informed by ground investigation information, where necessary and practicable. These assessment(s) will be used to inform the detailed site specific crossing design for the installation of the offshore export cables beneath Lytham St Annes SSSI.	CoT128 has been added to provide information on Project design-changes post-PEIR, and to minimise disturbance to sand lizards and sand dune flora within the Lytham St Annes SSSI.