

# Hornsea Offshore Wind Farm

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Project Two

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## Overview of Management Plans – Table

**Appendix U to the Response submitted for Deadline I**

**Application Reference: EN010053**

15 July 2015

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Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
Onshore Plans					
<p><u>Name:</u> Written Scheme of Investigation (WSI)</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 6</p> <p><u>Content:</u> Details work to be undertaken to mitigate impacts on historic environment assets.</p> <p><u>Aim:</u> To set out the scope of work to be undertaken to mitigate those direct physical impacts on the historic environment above MHWS.</p>	Final DCO and final scheme design	Final draft for approval post final scheme design and prior to commencement of construction	Approved: LPAs	No draft included at Application.	Not possible to prepare detailed content pre-consent and until after final scheme design and engagement with contractors.

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Ecological Management Plan (EMP)</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 7</p> <p><u>Content:</u> Ecology and nature conservation mitigation measures.</p> <p><u>Aim:</u> Details the ecology and nature conservation mitigation measures that will be undertaken prior to, during and post construction of the Project above Mean Low Water Springs (MLWS).</p>	Final DCO and final scheme design	Final draft for approval post final scheme design and a minimum of four months prior to commencement of construction	Approved: LPAs Consulted: Natural England and the EA (and to the extent the plan relates to the intertidal area, the MMO)	Outline Ecological Management Plan submitted as part of the Application Doc ref No 12.5.	Not possible to finalise existing draft until after final scheme design

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Code of Construction Practice (CoCP)</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 8</p> <p><u>Content:</u> All topics - Includes high level management measures during construction phase for onshore project components and includes a site waste management plan, a construction traffic management plan, a communication plan, a health and safety plan and a travel plan.</p> <p><u>Aim:</u> To set out management measures (including best practice and appropriate British Standards) identified during the design, which contractors will be required to adopt for all construction activities above MLWS.</p>	<p>Final DCO and final scheme design.</p> <p>Final Ecological Management Plan (EMP) and Final Landscape Scheme and Management Plan (LMP)</p>	<p>Final CoCP will be agreed post consent and prior to commencement of construction</p>	<p>Approved: LPAs</p> <p>Consulted: Highways Agency in relation to the construction traffic management plan and travel plan.</p>	<p>Outline Code of Construction Practice submitted in the Application (Doc ref: No 12.4)</p>	<p>Not possible to finalise existing draft until after final scheme design.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Landscape Scheme and Management Plan (LSMP)</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 9</p> <p><u>Content:</u> Landscape scheme – both building finishes and planting proposals and management.</p> <p><u>Aim:</u> Details the planting mixes proposed for various sites along the cable route and at the converter station site. Proposes high level management of the proposed planting. Also details the exterior finish of the Converter station building.</p>	Final DCO and final scheme design	Final draft for approval post final scheme design and prior to commencement of construction	Approved: LPAs	Draft Outline Landscape Scheme and Management Plan submitted with Application at Doc ref No. 12.9.	Not possible to finalise existing draft until after final scheme design.

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Design &amp; Layout of Highway Accesses</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 12</p> <p><u>Content:</u> Details of the design and layout of any works to any permanent or temporary means of access to a highway.</p> <p><u>Aim:</u> Provide detail of the design and layout of any proposed works to any permanent or temporary means of access to a highway.</p>	<p>Final scheme design and appointment of construction contractor</p>	<p>Appointment of construction contractor</p>	<p>Approved: LPA</p> <p>Consulted: Appropriate Highway authority</p>	<p>Not drafted</p>	<p>Not possible to prepare detailed content pre-consent, and is dependent on input from the principal contractor</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Scheme to deal with contamination of land (including groundwater)</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 13</p> <p><u>Content:</u> An investigation and assessment report identifying the extent of any contamination and the remedial measures to be taken to render the land fit for its intended purpose, together with a management plan setting out long-term measures with respect to any contaminants remaining on the site. Where trenchless techniques are proposed to be used, the scheme must include a hydrogeological risk assessment in relation to those trenchless technique operations.</p> <p><u>Aim:</u> To set out management procedures in the case of contamination of land and/or groundwater</p>	<p>Final scheme design and appointment of construction contractor</p>	<p>Following final scheme design and appointment of construction contractor</p>	<p>Approved: LPAs and/or EA</p> <p>Consulted: EA (and to the extent the plan relates to the intertidal area, the MMO)</p>	<p>Not drafted</p>	<p>Not possible to draft until after final scheme design</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Surface water drainage scheme</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 14</p> <p><u>Content:</u> Management of surface water</p> <p><u>Aim:</u> The strategy ensures run-off rates to the surrounding water environment are maintained at pre-development rates at the HVDC converter/HVAC substation site</p>	<p>Final scheme design and appointment of construction contractor</p>	<p>Following final scheme design and appointment of construction contractor</p>	<p>Approved: LPA</p> <p>Consulted: North East Lindsey Drainage Board (NELDB)</p>	<p>Draft submitted with the Application at Appendix D of Annex 6.2.2: Flood Risk Assessment</p>	<p>Not possible to finalise existing draft until after final scheme design</p>



Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Scheme for the protection of the sea defences</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 16</p> <p><u>Content:</u> Details of the measures in place to protect the sea defences from use of the access road along the sea defences during operation and maintenance.</p> <p><u>Aim:</u> To ensure the sea defences are protected from use during the operation and maintenance of the Project.</p>	Final scheme design	Following final scheme design	Approved: EA	Not drafted	Not possible to draft until after final scheme design

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Port traffic management plan</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 17</p> <p><u>Content:</u> Details of onshore port-related traffic to and from the selected base port or ports for construction and/or operation of the relevant part of the authorised development.</p> <p><u>Aim:</u> To provide details of the onshore port related traffic.</p>	Port selection	Following port selection, final scheme design and prior to commencement of construction.	Approved: LPAs Consulted: Highway Authorities	Not drafted	Not possible to prepare detailed content prior to port selection.

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Employment and Skills Plan</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 18</p> <p><u>Content:</u> The plan will set out arrangements for the provision of information to the Humber Local Enterprise Partnership (LEP) on employment and supply chain opportunities associated with the construction, operation and maintenance of Hornsea Project Two. It will also set out plans for local advertising of employment and supply chain opportunities and details of wider outreach employment presentations to be held in the local area.</p> <p><u>Aim:</u> To provide information about the scale and nature of the employment and supply chain opportunities during the construction and operation periods of the Project.</p>	<p>Final DCO, appointment of construction contractor, port selection</p>	<p>Following port and appointment of construction contractor and prior to commencement of construction.</p>	<p>Approved: North Lincolnshire Council</p> <p>Consulted: Humber LEP</p>	<p>Not drafted</p>	<p>Not possible to prepare detailed content until after scheme design appointment of construction contractor and port selection.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Onshore Decommissioning Plan</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 23</p> <p><u>Content:</u> Plans for carrying out decommissioning activities.</p> <p><u>Aim:</u> To set out the means by which (and technical detail) the onshore elements of the scheme will be decommissioned.</p>	<p>Cessation of commercial operation of the connection works</p>	<p>Following cessation of commercial operation of the connection works</p>	<p>Approved: LPAs</p>	<p>Not drafted</p>	<p>Not possible to prepare detailed content until after construction and operation</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
Offshore Plans					
<p><u>Name:</u> Emergency Response Coordination Plan (ERCOP)</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2: Condition 4</p> <p><u>Content:</u> Full details of the emergency co-operation plans for the construction, operation and decommissioning phases.</p> <p><u>Aim:</u> To ensure that adequate safety and emergency response procedures are in place for construction, operation and decommissioning phases.</p>	<p>Final DCO. Final scheme design.</p>	<p>Following final scheme design but prior to commencement of construction.</p>	<p>Approved: MMO Consulted: MCA</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Location and layout plan</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(1)(a)</p> <p><u>Content:</u> Turbine Layout, coordinates, location of other structures, sizes/dimensions, cabling.</p> <p><u>Aim:</u> To detail the proposed location of WTGs and associated infrastructure.</p>	<p>Final DCO. Final scheme design.</p>	<p>Four months prior to commencement of construction.</p>	<p>Approved: MMO Consulted: MCA and THLS</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>
<p><u>Name:</u> Code of Construction Practice</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)</p> <p><u>Content:</u> Framework to include construction principles, site operations specific to environmental topics, an incident response and contingency and monitoring and inspection description.</p> <p><u>Aim:</u> Provides overarching offshore practical standards applied during construction.</p>	<p>Final DCO. Final scheme design.</p>	<p>Following final scheme design, but must be submitted four months prior to commencement of construction.</p>	<p>Approved: MMO, Consulted: SNCB, EA, Historic England and THLS (as appropriate)</p>	<p>Draft submitted with the Application (Outline Code of Construction Practice (Doc ref No 12.4).</p>	<p>Not possible to finalise existing draft until after final scheme design.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Construction and monitoring programme</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(a)</p> <p><u>Content:</u> Details construction start data and timings for installation, together with pre and post construction surveys and related reporting.</p> <p><u>Aim:</u> To set out the construction programme and scope of all pre and post construction monitoring surveys.</p>	<p>Final DCO. Final scheme design.</p>	<p>Following final scheme design, but must be submitted four months prior to commencement of construction.</p>	<p>Approved: MMO Consulted: SNCB and EA</p>	<p>Not drafted.</p>	<p>Principles behind pre-construction survey methods could be drafted prior to consent, however these principles would be high level and subject to further change following final scheme design.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Construction method statement</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(b)</p> <p><u>Content:</u> Description of components to be installed, installation method for named component and contingency alternative installation methods for named components.</p> <p><u>Aim:</u> Details the final construction methods to be used as detailed within the DCO/DML.</p>	<p>Final DCO. Final scheme design. Appointment of contractor and provision of contractor method statements.</p>	<p>Following final scheme design, but must be submitted four months prior to commencement of construction.</p>	<p>Approved: MMO Consulted: SNCB</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>



Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Project Environmental Management and Monitoring Plan (PEMMP)</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(c)</p> <p><u>Content:</u> Framework to include marine pollution contingency plan, chemical risk analysis, waste management and disposal plan, offshore project maintenance plans, archaeology exclusion zones, Fisheries Liaison Officer and intertidal ECoW.</p> <p><u>Aim:</u> To set out the scope of the aforementioned plans.</p>	<p>Final DCO. Final scheme design. Also requires all supporting documents being complete.</p>	<p>Specified soon after final DCO/DML being granted. Overall document has to be submitted to MMO 4 months prior to commencement of relevant activity.</p>	<p>Approved: MMO Consulted: SNCB and EA</p>	<p>Not drafted.</p>	<p>Potential to draft a skeleton of the plan prior to consent, but detail on individual plans not possible.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Scour protection management and cable armouring plan</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(d)</p> <p><u>Content:</u> Details the final scour protection and cable armouring specifications, the volumes of material to be used, locations of deployment and methods to be employed. Summary of licence conditions relating to scour protection. Scope of monitoring relating to scour (survey type, frequency, duration). Proposed actions in the event of unexpected scour</p> <p><u>Aim:</u> To document all necessary technical detail and methods associated with the use of scour protection and cable armouring.</p>	<p>Final DCO. Final scheme design.</p> <p>Appointment of contractor and provision of contractor method statements.</p>	<p>In parallel with the final scheme design, but has to be submitted to MMO 4 months prior to construction.</p>	<p>Approved: MMO</p> <p>Consulted: SNCB and EA</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Marine mammal mitigation protocol</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(e)</p> <p><u>Content:</u> Mitigation commitments in relation to marine mammals.</p> <p><u>Aim:</u> To set out the mitigation to minimise potential impacts.</p>	<p>Final DCO. Final scheme design. Construction method statement.</p>	<p>Following final scheme design, but submitted to MMO 4 months prior to construction.</p>	<p>Approved: MMO Consulted: SNCB</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>
<p><u>Name:</u> Cable specification and installation plan</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(f)</p> <p><u>Content:</u> Details the final cable design (cable type and components) and how the cable will be installed (burial techniques and depths).</p> <p><u>Aim:</u> Presents commitment to design and installation approach with regard to agreements reached with regulators/SNCBs following environmental assessment.</p>	<p>Final DCO. Final scheme design. Pre-construction site specific geo-studies. Burial protection index study.</p>	<p>Drafted once site surveys and final design have been completed. Needs to be submitted to MMO 4 months prior to construction phase.</p>	<p>Approved: MMO Consulted: SNCB and EA</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre consent.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Written Scheme of Investigation</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(g)</p> <p><u>Content:</u> Outlines known and potential archaeological features and deposits and proposes a structure for exploring them using the latest, most appropriate and cost-effective archaeological techniques.</p> <p><u>Aim:</u> Presents commitment to mitigate any potential significant environmental effect should features or finds be encountered.</p>	<p>Final DCO. Final scheme design.</p> <p>Pre-construction geo-survey data and analysis and final scheme design.</p>	<p>Needs to be submitted 4 months prior to construction phase.</p>	<p>Approved: MMO</p> <p>Consulted: Historic England</p>	<p>A draft offshore WSI has been prepared (Doc ref No 7.5.9.2).</p>	<p>Not possible to finalise existing draft until after final scheme design.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Marine mammal monitoring plan</p> <p><u>Secured by:</u> DCO Schedule H and J, DMLs, Part 2, Condition 10(2)(h)</p> <p><u>Content:</u> Details of the circumstances in which marine mammal monitoring will be required and the monitoring to be carried out in such circumstances.</p> <p><u>Aim:</u> To clarify the circumstances in which marine mammal monitoring will be required and the scope of monitoring to be carried out in such circumstances.</p>	<p>Final DCO. Final scheme design. Construction method statement.</p>	<p>Following final scheme design, but submitted to MMO 4 months prior to construction.</p>	<p>Approved: MMO Consulted: SNCB</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Proposed survey and reinstatement plan for Salicornia</p> <p><u>Secured by:</u> DCO Schedule I and K, DMLs, Part 2, Condition 10(2)(h)</p> <p><u>Content:</u> Details of the circumstances in which reinstatement of Salicornia habitat will be required and the proposed methods of reinstatement in such circumstances.</p> <p><u>Aim:</u> To set out the circumstances in which reinstatement of Salicornia habitat will be required and the proposed methods of reinstatement.</p>	<p>Final DCO. Final scheme design. Cable Specification and Installation plan and construction method statement.</p>	<p>Following final scheme design, but submitted to MMO 4 months prior to construction.</p>	<p>Approved: MMO</p> <p>Consulted: SNCB and EA</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Offshore project maintenance plan</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(i)</p> <p><u>Content:</u> Details of the proposed offshore maintenance activities expected to be carried out and whether or not these activities have been assessed within the ES.</p> <p><u>Aim:</u> To clearly set out the proposed maintenance activities and to highlight whether or not the activities have been assessed in the ES.</p>	<p>Final DCO. Final scheme design and construction.</p>	<p>Following final scheme design and construction, but submitted to MMO 4 months prior to operation.</p>	<p>Approved: MMO Consulted: SNCB and EA</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>
<p><u>Name:</u> Aids to navigation management plan</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 10(2)(j)</p> <p><u>Content:</u> Details of how Condition 5 of the DMLs (aids to navigation) will be complied with Condition 5.</p> <p><u>Aim:</u> To ensure compliance with Condition 5 of the DMLs.</p>	<p>Final DCO. Final scheme design.</p>	<p>Following final scheme design, but submitted to MMO 4 months prior to construction.</p>	<p>Approved: MMO Consulted: THLS</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>

Required Plans for Project Two	Dependencies	Timeline	Approval body (and consultees under the DCO)	Current Status of the Plan	Ability to submit or supplement pre-consent
<p><u>Name:</u> Decommissioning Programme</p> <p><u>Secured by:</u> DCO Schedule A, Part 3: Requirement 11</p> <p><u>Content:</u> Decommissioning measures, costs and financing details.</p> <p><u>Aim:</u> To set out the means by which (and technical detail) the offshore elements of the scheme will be decommissioned.</p>	<p>A Notice served by the SoS pursuant to S105(2) of the Energy Act 2004. Final scheme design.</p>	<p>Contingent on Notice being served by the SoS and prior to commencement of construction.</p>	<p>Approved: SoS</p>	<p>Not drafted .</p>	<p>Not possible to prepare detailed content pre-consent.</p>
<p><u>Name:</u> Decommissioning plan</p> <p><u>Secured by:</u> DCO Schedule H, I, J and K, DMLs, Part 2, Condition 19</p> <p><u>Content:</u> Plans for carrying out decommissioning activities.</p> <p><u>Aim:</u> To set out the means by which (and technical detail) the offshore elements of the scheme will be decommissioned.</p>	<p>Final DCO. Final scheme design.</p>	<p>Prior to decommissioning activities being carried out.</p>	<p>Approved: MMO</p>	<p>Not drafted.</p>	<p>Not possible to prepare detailed content pre-consent.</p>



