



East Anglia TWO Offshore Windfarm

Schedule of Mitigation

Onshore

Applicant: East Anglia TWO Limited
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Glossary of Acronyms

ALO	Agricultural Liason Officer
AQMP	Air Quality Management Plan
BBPP	Breeding Bird Protection Plan
BCT	Bat Conservation Trust
CDM	Construction Design and Management Plan
CCS	Construction Consolidation Site
CIRIA	Construction Industry Research and Information Association
CoCP	Code of Construction Practise
CTMP	Construction Traffic Management Plan
DCO	Development Consent Order
Defra	Department for Environment, Food and Rural Affairs
DPF	Deisel Particutae Filters
ECoW	Ecological Clerk of Works
EA	Environment Agency
EIA	Environmental Impact assessment
EIRP	Emergency Incident Response Plan
EMP	Ecological Managment Plan
ES	Environmental Statement
EU	European Union
FMP	Flood Management Plan
FRAP	Flood Risk Activities Permit
GPP	Guidance for Pollution Prevention
HDD	Horizontal Directional Drilling
HGV	Heavy Goods Vehicle
HSG	Heritage Steering Group
ICNIRP	International Commission on Non-Ionizing Radiation Protection
ILE	Institute of Lighting Engineers
LMP	Landscape Management Plan
LPA	Local Planning Authority
LLFA	Lead Local Flood Authority
MMP	Materials Management Plan
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NRMM	Non-road Mobile Machinery
NSR	Noise Sensitive Receptor
OAMP	Outline Access Management Plan
OCTMP	Outline Construction Traffic Management Plan
OLEMS	Outline Landscape and Ecological Management Strategy
OTP	Outline Travel Plan
OWSI	Outline Written Scheme of Investigation
PPE	Personal Protective Equipment
PPG	Pollution Prevention Guidance
PPRP	Pollution Prevention Response Plan
PRoW	Public Rights of Way
SAC	Special Area of Conservation
SCP	Stakeholder Communications Plan
SMP	Soils Management Plan
SPA	Special Protection Area
SPS	Significant Peripheral Structure
SPZ	Source Protection Zone
SSSI	Site of Special Scientifc Interest

SuDS	Sustainable Drainage System
SWDP	Surface Water and Drainage Management Plan
SWMP	Site Waste Management Plan
TP	Travel Plan
TPO	Tree Preservation Order
WSI	Written Scheme of Investigation

Glossary of Terminology

Applicant	East Anglia TWO Limited.
Cable sealing end compound	A compound which allows the safe transition of cables between the overhead lines and underground cables which connect to the National Grid substation.
Cable sealing end (with circuit breaker) compound	A compound (which includes a circuit breaker) which allows the safe transition of cables between the overhead lines and underground cables which connect to the National Grid substation.
Construction consolidation sites	Compounds associated with the onshore works which may include elements such as hard standings, lay down and storage areas for construction materials and equipment, areas for vehicular parking, welfare facilities, wheel washing facilities, workshop facilities and temporary fencing or other means of enclosure.
Development area	The area comprising the onshore development area and the offshore development area (described as the 'order limits' within the Development Consent Order).
East Anglia TWO project	The proposed project consisting of up to 75 wind turbines, up to four offshore electrical platforms, up to one construction, operation and maintenance platform, inter-array cables, platform link cables, up to one operational meteorological mast, up to two offshore export cables, fibre optic cables, landfall infrastructure, onshore cables and ducts, onshore substation, and National Grid infrastructure.
East Anglia TWO windfarm site	The offshore area within which wind turbines and offshore platforms will be located.
European site	Sites designated for nature conservation under the Habitats Directive and Birds Directive, as defined in regulation 8 of the Conservation of Habitats and Species Regulations 2017 and regulation 18 of the Conservation of Offshore Marine Habitats and Species Regulations 2017. These include candidate Special Areas of Conservation (cSAC), Sites of Community Importance, Special Areas of Conservation (SAC) and Special Protection Areas (SPA)
Horizontal directional drilling (HDD)	A method of cable installation where the cable is drilled beneath a feature without the need for trenching.
HDD temporary working area	Temporary compounds which will contain laydown, storage and work areas for HDD drilling works.
Jointing bay	Underground structures constructed at intervals along the onshore cable route to join sections of cable and facilitate installation of the cables into the buried ducts.
Landfall	The area (from Mean Low Water Springs) where the offshore export cables would make contact with land, and connect to the onshore cables.
Link boxes	Underground chambers within the onshore cable route housing electrical earthing links.

Mitigation areas	Areas captured within the onshore Development Area specifically for mitigating expected or anticipated impacts.
National electricity grid	The high voltage electricity transmission network in England and Wales owned and maintained by National Grid Electricity Transmission
National Grid infrastructure	A National Grid substation, cable sealing end compounds, cable sealing end (with circuit breaker) compound, underground cabling and National Grid overhead line realignment works to facilitate connection to the national electricity grid, all of which will be consented as part of the proposed East Anglia TWO project Development Consent Order but will be National Grid owned assets.
National Grid overhead line realignment works	Works required to upgrade the existing electricity pylons and overhead lines (including cable sealing end compounds and cable sealing end (with circuit breaker) compound) to transport electricity from the National Grid substation to the national electricity grid.
National Grid overhead line realignment works area	The proposed area for National Grid overhead line realignment works.
National Grid substation	The substation (including all of the electrical equipment within it) necessary to connect the electricity generated by the proposed East Anglia TWO project to the national electricity grid which will be owned by National Grid but is being consented as part of the proposed East Anglia TWO project Development Consent Order.
National Grid substation location	The proposed location of the National Grid substation.
Natura 2000 site	A site forming part of the network of sites made up of Special Areas of Conservation and Special Protection Areas designated respectively under the Habitats Directive and Birds Directive.
Onshore cable corridor	The corridor within which the onshore cable route will be located.
Onshore cable route	This is the construction swathe within the onshore cable corridor which would contain onshore cables as well as temporary ground required for construction which includes cable trenches, haul road and spoil storage areas.
Onshore cables	The cables which would bring electricity from landfall to the onshore substation. The onshore cable is comprised of up to six power cables (which may be laid directly within a trench, or laid in cable ducts or protective covers), up to two fibre optic cables and up to two distributed temperature sensing cables.
Onshore development area	The area in which the landfall, onshore cable corridor, onshore substation, landscaping and ecological mitigation areas, temporary construction facilities (such as access roads and construction consolidation sites), and the National Grid Infrastructure will be located.
Onshore infrastructure	The combined name for all of the onshore infrastructure associated with the proposed East Anglia TWO project from landfall to the connection to the national electricity grid.

Onshore preparation works	Activities to be undertaken prior to formal commencement of onshore construction such as pre-planting of landscaping works, archaeological investigations, environmental and engineering surveys, diversion and laying of services, and highway alterations.
Onshore substation	The East Anglia TWO substation and all of the electrical equipment within the onshore substation and connecting to the National Grid infrastructure.
Onshore substation location	The proposed location of the onshore substation for the proposed East Anglia TWO project.
Transition bay	Underground structures at the landfall that house the joints between the offshore export cables and the onshore cables.

1 Schedule of Mitigation

1.1 Introduction

1. This document lists all the mitigation proposed in the Environmental Impact Assessment (EIA) for the proposed East Anglia TWO project onshore works.
2. A wide range of mitigation measures have been incorporated into the proposed East Anglia TWO project, and based on the impacts identified through the EIA process, additional mitigation measures have been identified. The following schedule summarises these additional mitigation measures, proposed on a topic by topic basis, and signposts where the commitment made in the Environmental Statement (ES) are secured in the draft Development Consent Order (DCO) and associated documents.
3. The ES chapters which this schedule relates to are the following:
 - **Chapter 18 Ground Conditions and Contamination** (document reference 6.1.18);
 - **Chapter 19 Air Quality** (document reference 6.1.19);
 - **Chapter 20 Water resources and Flood Risk** (document reference 6.1.20);
 - **Chapter 21 Land Use** (document reference 6.1.21);
 - **Chapter 22 Onshore Ecology** (document reference 6.1.22);
 - **Chapter 23 Onshore Ornithology** (document reference 6.1.23);
 - **Chapter 24 Onshore Archaeology and Cultural Heritage** (document reference 6.1.24);
 - **Chapter 25 Noise and Vibration** (document reference 6.1.25);
 - **Chapter 26 Traffic and Transport** (document reference 6.1.26);
 - **Chapter 27 Human Health** (document reference 6.1.27);
 - **Chapter 29 Landscape and Visual Impact Assessment** (document reference 6.1.29); and
 - **Chapter 30 Tourism, Recreation and Socio-Economics** (document reference 6.1.30).

1.2 Schedule

Table 1.1 Onshore Mitigation Measures

Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
Chapter 18 Ground Conditions and Contamination					
Construction					
1.1	Section 18.3.3	Ground contamination	Environmental best practice would include both the now revoked Environment Agency (EA) best practice guidelines (e.g. EA's Guidance for Pollution Prevention note (GPP) series) and current best practice guidelines available here: https://www.gov.uk/government/collections/groundwater-protection .	Minimise impact of pollution	DCO Schedule 1, Part 3, Requirement 22(2)(h), Code of Construction Practice (CoCP), specifically the Pollution Prevention and Response Plan
1.2	Section 18.3.3	Ground contamination	Adherence to a construction stage Pollution Prevention Response Plan which will detail the measures used to mitigate the potential for release of contaminants	Minimise impact of ground contamination	DCO Schedule 1, Part 3, Requirement 22(2)(h), CoCP, specifically the Pollution Prevention and Response Plan
1.3	Section 18.3.3	Ground contamination	Adoption of a CL:AIRE Industry Code of Practice to manage excavated soils on site, thereby maximising sustainability and providing an audit trail to demonstrate the appropriate use of materials. A Materials Management Plan (MMP) will be drafted in advance of any construction works. Validation of materials imported to site in line with pre-agreed assessment criteria to ensure they are suitable for proposed end use.	Minimise impact of ground contamination	DCO Schedule 1, Part 3, Requirement 22(2)(d), CoCP, specifically the Site Waste Management Plan DCO Schedule 1, Part 3, Requirement 22(2)(e), CoCP,

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			A Site Waste Management Plan (SWMP) for the proposed East Anglia TWO project will be developed post-consent. This is detailed further within the OCoCP submitted with this DCO application.		specifically the Soil Management Plan DCO Schedule 1, Part 3, Requirement 22(2)(g), CoCP, specifically the Materials Management Plan
1.4	Section 18.3.3	Groundwater contamination	Construction methods will follow best practice guidance including the EA's GPP Note series, guidance from the Construction Industry Research and Information Association (CIRIA) And the EA's Groundwater technical guidance covering: requirements, permissions, risk assessments and controls (previously covered in GP3).	Minimise impact of groundwater contamination	DCO Schedule 1, Part 3, Requirement 22(2)(h), CoCP, specifically the Pollution Prevention and Response Plan
1.5	Section 18.3.3	Ground contamination	Should any unanticipated contamination be encountered during the work, work should be halted in that area and a written statement on how contamination will be dealt with should be agreed with the Local Planning Authority (LPA).	Minimise impact of ground contamination	DCO Schedule 1, Part 3, Requirement 22(2)(h), CoCP, specifically the Pollution Prevention and Response Plan
1.6	Section 18.3.3	Groundwater Quality	A hydrogeological risk assessment will be produced pre-construction to ensure protection of abstractions of water where construction activity including HDD and piling is in hydraulic continuity. This will include method statements and detailed hydrogeological risk assessment of the effects of piling and HDD activities. This assessment and the proposed methods used to avoid contamination of the groundwater will be agreed with the EA.	Minimise impact to groundwater quality	DCO Schedule 1, Part 3, Requirement 22(2)(h), CoCP, specifically the Pollution Prevention and Response Plan

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
Operation					
No mitigation required					
Decommissioning					
1.7	Section 18.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan
Chapter 19 Air Quality					
Construction					
2.1	Section 19.3.4	Traffic related dust effects	Adoption of car sharing for construction employees to reduce construction related traffic	Reduce impact of dust	DCO Schedule 1, Part 3, Requirement 28(1)(b), Travel Plan
2.2	Section 19.3.4	Dust and emissions	Adherence to a construction phase Air Quality Management Plan (AQMP) which will include detail of control measures to manage dust and emissions during construction works and any monitoring requirements	Reduce impact of dust and emissions	DCO Schedule 1, Part 3, Requirement 22(2)(f), CoCP, specifically the Air Quality Management Plan
2.3	Section 19.6.1	Wind blown stockpiles	Topsoil stockpiles and earthworks will be controlled, including covering or seeding following creation of stockpile. If covers are used, they would only be removed in small areas during work and not all at once	Revegetation is anticipated to reduce windblown particulate matter at an efficiency of 90%	DCO Schedule 1, Part 3, Requirement 22(2)(f), CoCP, specifically the Air Quality Management Plan

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
2.4	Section 19.6.1	Communications and management	A Stakeholder Communications Plan (SCP) that will be developed includes community engagement before work commences on site;	Maintaining communication with stakeholders	DCO Schedule 1, Part 3, Requirement 22(2)(i), CoCP, specifically the Stakeholder Communications Plan
2.5	Section 19.6.1	Communications and management	The name and contact details of person(s) accountable for air quality and dust issues will be displayed on the site boundary and the head or regional office contact information. This may be the environment manager/engineer or the site manager.	Maintaining communication with stakeholders	DCO Schedule 1, Part 3, Requirement 22(2)(i), CoCP, specifically the Stakeholder Communications Plan
2.6	Section 19.6.1	Construction phase road traffic exhaust emissions	Contractors will be required to use Euro VI-standard vehicles	Minimise NO ₂ emissions	DCO Schedule 1, Part 3, Requirement 22(2)(f), CoCP, specifically the Air Quality Management Plan
Operation					
No mitigation required					
Decommissioning					
2.7	Section 19.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan

Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
Chapter 20 Water Resources and Flood Risk					
Construction					
3.1	Section 20.3.3	Surface drainage	Adherence to a construction-stage Surface Water and Drainage Management Plan	Reduce the impact of surface drainage	DCO Schedule 1, Part 3, Requirement 22(2)(a), CoCP, specifically a Surface Water and Drainage Management Plan
3.2	Section 20.3.3	Sediment management	Adherence to the Surface Water and Drainage Management Plan, Pollution Prevention and Response Plan and Soil Management Plan which will detail measures to reduce the impact of sediment run off and detail the appropriate management of sediment stockpiles.	Reduce the impact of sediment run off	DCO Schedule 1, Part 3, Requirement 22(2)(a), CoCP, specifically the Surface Water and Drainage Management Plan DCO Schedule 1, Part 3, Requirement 22(2)(e), CoCP, specifically the Soil Management Plan DCO Schedule 1, Part 3, Requirement 22(2)(h), CoCP, specifically the Pollution Prevention and Response Plan
3.3	Section 20.3.3	Pollution prevention	Adherence to a construction stage Pollution Prevention Response Plan which will detail the measures used to mitigate the potential for release of contaminants into surface and groundwater	Reduce the impact of pollution to watercourses	DCO Schedule 1, Part 3, Requirement 22(2)(h), CoCP, specifically the

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
					Pollution Prevention and Response Plan
3.4	Section 20.3.3	Fluvial flood risk	Adherence to a Flood Management Plan which will detail the measures used to mitigate the potential for an increase in flood risk	Reduce the likelihood of flood risk	DCO Schedule 1, Part 3, Requirement 22(2)(b), CoCP, specifically the Flood Management Plan
3.5	Section 20.6.1	Impacts associated with the trenched crossing of the Hundred River	Adherence to the Watercourse Crossing Method Statement which will detail the measures to mitigate the potential impact associated with the trenched crossing of the Hundred River	Reduced impacts upon the Hundred River	DCO Schedule 1, Part 3, Requirement 22(2)(k), CoCP, specifically the Watercourse Crossing Method Statement
3.6	Section 20.6.1	Increased sediment supply	Buffer strips of vegetation will be retained adjacent to the Hundred River and Friston Watercourse, where possible. Where surface vegetation has been removed, it will be reseeded to prevent future runoff (excluding arable crops).	Reduced sediment supply to watercourses	DCO Schedule 1, Part 3, Requirement 22(2)(k), CoCP, specifically the Watercourse Crossing Method Statement
3.7	Section 20.6.1	Changes to surface water runoff and flood risk	The pre-construction Surface Water Drainage Management Plan (SWDP) will include provisions to minimise water within the working area and ensure ongoing drainage of surrounding land.	Reduced potential for increased surface runoff and flood risk	DCO Schedule 1, Part 3, Requirement 22(2)(a), CoCP, specifically the Surface Water and Drainage Management Plan
Operation					
3.8	Section 20.3.3	Surface drainage	Management measures of operational stage surface water drainage will be detailed and secured in the final Landscape Management Plan (LMP) produced	Manage surface drainage	DCO Schedule 1, Part 3, Requirement 14,

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			<p>post-consent to discharge requirements of the draft DCO. The final LMP will be based upon the Outline Landscape and Ecological Management Strategy (OLEMS) submitted with this DCO application.</p> <p>Operational surface water drainage requirements will meet the requirements of the National Planning Policy Framework (NPPF) and National Policy Statement (NPS) EN-5 and will be developed according to the principles of the sustainable drainage system (SuDS) discharge hierarchy.</p>		Landscape Management Plan
Decommissioning					
3.9	Section 20.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan
Chapter 21 Land Use					
Construction					
4.1	Section 21.3.3	Management of soils	Adherence to the Soil Management Plan will detail the measures to mitigate the potential impact to soils and natural resource	Reduce the impact to soils and natural resource	DCO Schedule 1, Part 3, Requirement 22(2)(e), CoCP, specifically the Soil Management Plan
4.2	Section 21.3.3	Management of reinstatement	A pre-construction land survey would be undertaken by a qualified Agricultural Liaison Officer (ALO) to record details of crop regimes, position and condition	Reduce the impact to agricultural land	DCO Schedule 1, Part 3, Requirement 22, CoCP

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			of field boundaries, existing drainage and access arrangements, and private water supplies		
4.3	Section 21.3.3	Management of invasive species	Best practice soil handling will be implemented to prevent the spread of plant and animal diseases, including following the EA (2010) guidance: Managing Invasive Non-native Plants. This will be managed through adherence to the Soil Management Plan	Reduce the impact of invasive species	DCO Schedule 1, Part 3, Requirement 22(2)(e), CoCP, specifically the Soil Management Plan
4.4	Section 21.3.3	Utilities	Affected utility providers contacted, and the location of existing services would be accurately identified on the ground prior to construction. The Applicant would undertake utility crossings in accordance with industry standard practice as agreed with the utility owners. The continuity of water supplies during the construction works would be ensured.	Reduce the impact to utilities providers	DCO Schedule 1, Part 3, Requirement 22, CoCP
4.5	Section 21.6.1	Land taken out of existing use	Reinstatement of hedgerows and their associated features (banks and ditches), and drainage systems would occur following the installation of each section of cable (in line with the LMP). Removal of trees or interference with roots would be avoided where possible.	Reduce the impact to agricultural land	DCO Schedule 1, Part 3, Requirement 14, Landscape Management Plan (LMP) DCO Schedule 1, Part 3, Requirement 21, Ecological Management Plan (EMP)
4.6	Section 21.6.1	Environmental Stewardship Schemes	The Applicant will consult with affected landowners to agree the necessary compensations	Reduce negative impact to landowners affected	Landowner agreements

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
4.7	Section 21.6.1	Land drainage	The use of a specialist drainage contractor to undertake surveys and create drawings prior to and post-construction to locate drains and ensure appropriate reinstatement. This will be implemented through adherence to the Surface Water Drainage Management Plan.	Reduced impacts to land drainage	DCO Schedule 1, Part 3, Requirement 22(2)(a), CoCP, specifically the Surface Water and Drainage Management Plan
4.8	Section 21.6.1	Degradation to natural resource	The Applicant could additionally seek private agreements with relevant landowners/occupiers regarding any measures required in relation to crop loss incurred as an indirect consequence of degradation of the soil resource during the construction phase of the proposed East Anglia TWO project, as secured within the CoCP and detailed within the OCoCP submitted with this DCO application	Reduced degradation to natural resource	Landowner agreements
Operation					
4.9	Section 21.6.2	Utilities	Potentially affected utility providers would be contacted prior to maintenance works, and any works would be carried out according to agreed methods.	Minimise impacts on utilities	DCO Schedule 10, Part 1, Protective Provisions
Decommissioning					
4.10	Section 21.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
Chapter 22 Onshore Ecology					
Construction					
5.1	Section 22.3.3	Ecological Management	<p>An OLEMS has been submitted with this DCO application. The OLEMS outlines the requirement for landscape and ecological (including ornithological) mitigation measures that are reflective of the surveys and impact assessment carried out for the onshore infrastructure of the proposed East Anglia TWO project.</p> <p>These mitigation measures will be implemented through adherence to the Landscape Management Plan (LMP) and Ecological Management Plan (EMP) which will be produced post-consent.</p>	Reduce the impact to sensitive ecological receptors	<p>DCO Schedule 1, Part 3, Requirement 14, LMP</p> <p>DCO Schedule 1, Part 3, Requirement 21, EMP</p>
5.2	Section 22.3.3	Onshore cable corridor at Sandlings SPA	<p>The Applicant will not undertake onshore cable route construction works to cross the Sandlings Special Protection Area (SPA) / Leiston – Aldeburgh Site of Special Scientific Interest (SSSI) within the SPA/SSSI boundary or within 200m of the SPA/SSSI boundary during the breeding bird season unless otherwise agreed with Natural England that bird breeding activities within 200m of the SPA/SSSI crossing works area have ceased. The timing of this seasonal restriction will be based on monitoring information provided by the Ecological Clerk of Work (likely to be mid-February to end of August).</p>	Reduce the impact to designated sites	<p>DCO Schedule 1, Part 3, Requirement 21(1)(d), EMP, specifically the SPA Crossing Method Statement</p>
5.3	Section 22.6.1	Designated sites	<p>Adherence to the Breeding Bird Protection Plan (BBPP), which is implemented as part of the EMP. The BBPP will detail working methods for construction within 200m of the SPA/SSSI.</p>	Minimise impacts to designated sites	<p>DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP.</p>

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5.4	Section 22.6.1	Woodland	Adherence to the EMP which will detail the mitigation and management measures to reduce the impact on woodland and trees. Woodland planting will be implemented through the LMP.	Reduced impacts to woodlands	DCO Schedule 1, Part 3, Requirement 21(1)(b), EMP, specifically the Arboricultural Method Statement DCO Schedule 1, Part 3, Requirement 14, LMP
5.5	Section 22.6.1	Hedgerows	Adherence to the EMP which will detail the mitigation and management measures to reduce the impact on hedgerows. Additional hedgerow planting will be implemented through the LMP.	Reduced impacts to hedgerows	DCO Schedule 1, Part 3, Requirement 14, LMP DCO Schedule 1, Part 3, Requirement 21, EMP
5.6	Section 22.6.1	Watercourses and ponds	Adherence to the EMP and Watercourse Crossing Method Statement which will detail the mitigation and management measures to reduce the impact on the movement of fish and aquatic invertebrates as a result of watercourse crossing. Adherence to the Surface Water and Drainage Management Plan, Pollution Prevention and Response Plan and Soil Management Plan will detail measures to reduce the impact of sediment run off and detail the appropriate management of sediment stockpiles to reduce the impact of sediment infiltration to watercourses.	Reduced impacts to watercourses	DCO Schedule 1, Part 3, Requirement 21, EMP DCO Schedule 1, Part 3, Requirement 22(2)(a), CoCP, specifically the Surface Water and Drainage Management Plan DCO Schedule 1, Part 3, Requirement 22(2)(e), CoCP, specifically the Soil Management Plan

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
					DCO Schedule 1, Part 3, Requirement 22(2)(h), CoCP, specifically the Pollution Prevention and Response Plan DCO Schedule 1, Part 3, Requirement 22(2)(k), CoCP, specifically the Watercourse Crossing Method Statement
5.7	Section 22.6.1	Impacts to badgers	Adherence to the EMP which will detail the mitigation and management measures to reduce the impact on badgers.	Reduced impacts to badgers	DCO Schedule 1, Part 3, Requirement 21, EMP
5.8	Section 22.6.1	Impacts to bats	Adherence to the EMP which will detail the mitigation and management measures to reduce the impact to bat species.	Reduced impacts to bats	DCO Schedule 1, Part 3, Requirement 21, EMP
5.9	Section 22.6.1	Impacts to great crested newt	Adherence to the EMP which will detail the mitigation and management measures to reduce the impact on great crested newts.	Reduced impacts to great crested newt	DCO Schedule 1, Part 3, Requirement 21, EMP
5.10	Section 22.6.1	Impacts to reptiles	Adherence to the EMP which will detail the mitigation and management measures to reduce the impact on reptiles.	Reduced impacts to reptiles	DCO Schedule 1, Part 3, Requirement 21, EMP
5.11	Section 22.6.1	Spread of invasive non native species	Adherence to the EMP which will detail the mitigation and management measures to reduce the impact of potential spread of invasive species.	Reduced spread of invasive non native species	DCO Schedule 1, Part 3, Requirement 21(1)(c), EMP, specifically the

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			The best practice soil handling measures will be implemented through adherence to the Soil Management Plan		Invasive Species Method Statement DCO Schedule 1, Part 3, Requirement 22(2)(e), CoCP, specifically the Soil Management Plan
5.12	Section 22.6.1	Ecological features of reinstatement	Following the construction phase, habitats will be fully reinstated as far as reasonably practicable. Reinstatement will be conducted in accordance with the EMP and LMP.	Reduce impacts to sensitive ecological receptors	DCO Schedule 1, Part 3, Requirement 14, LMP DCO Schedule 1, Part 3, Requirement 21, EMP
5.13	Section 22.3.3	Minimising impacts on the SSSI (at the landfall location)	Commitment to Horizontal Directional Drilling (HDD) at landfall, implemented through the Landfall Construction Method Statement	Minimise impact on designated site	DCO Schedule 1, Part 3, Requirement 13, Landfall Construction Method Statement
Operation					
5.14	Section 22.3.3	Maintenance and operational measures	Adherence to the operation and maintenance obligations implemented through the EMP and LMP	Reduce impacts to sensitive ecological receptors	CO Schedule 1, Part 3, Requirement 14, LMP DCO Schedule 1, Part 3, Requirement 21, EMP
Decommissioning					
5.15	Section 22.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30,

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			with the current legislation, policy and guidance at the time.		Onshore Decommissioning Plan
Chapter 23 Onshore Ornithology					
Construction					
6.1	Section 23.3.3	Ecological management	<p>An OLEMS has been submitted with this DCO application. The OLEMS outlines the requirement for landscape and ecological (including ornithological) mitigation measures that are reflective of the surveys and impact assessment carried out for the onshore infrastructure of the proposed East Anglia TWO project.</p> <p>These mitigation measures will be implemented through adherence to the Landscape Management Plan (LMP) and Ecological Management Plan (EMP) which will be produced post-consent.</p>	Reduce impacts to ornithological receptors	<p>DCO Schedule 1, Part 3, Requirement 14, LMP</p> <p>DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP</p> <p>DCO Schedule 1, Part 3, Requirement 21(1)(d), EMP, specifically the SPA Crossing Method Statement</p>
6.2	Section 23.3.3	Habitat reinstatement	Following the construction phase, habitats will be fully reinstated as far as reasonably practicable. Reinstatement will be conducted in accordance with the EMP and LMP.	Reduce impacts to habitats	<p>DCO Schedule 1, Part 3, Requirement 14, LMP</p> <p>DCO Schedule 1, Part 3, Requirement 21, EMP</p>
6.3	Section 23.3.3	Designated sites	The Applicant will not undertake onshore cable route construction works to cross the Sandlings Special Protection Area (SPA) / Leiston – Aldeburgh Site of Special Scientific Interest (SSSI) within the SPA/SSSI boundary or within 200m of the SPA/SSSI	Reduce impacts to designated sites	DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP

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			boundary during the breeding bird season unless otherwise agreed with Natural England that bird breeding activities within 200m of the SPA/SSSI crossing works area have ceased. The timing of this seasonal restriction will be based on monitoring information provided by the ECoW (likely to be mid-February to end of August)		DCO Schedule 1, Part 3, Requirement 21(1)(d), EMP, specifically the SPA Crossing Method Statement
6.4	Section 23.6.3	Habitat loss - turtle dove	A location within the onshore development area has been identified for sowing turtle dove seed mix to create optimal feeding habitat throughout the construction phase when works are being undertaken along cable route sections 1 and 2. Further details and timings of this habitat management would be included and implemented in the EMP.	Reduce impacts to sensitive ornithological receptors	DCO Schedule 1, Part 3, Requirement 21, EMP
6.5	Section 23.6.3	Habitat loss - nightingale	With the assistance of an ECoW, micro-siting will be used to avoid suitable nightingale nest locations when trenching through the SPA/SSSI, where possible	Reduced impacts to nightingale and associated habitat	DCO Schedule 1, Part 3, Requirement 21(1)(d), EMP, specifically the SPA Crossing Method Statement
6.6	Section 23.6.3	Habitat loss - nightingale	Habitat suitable for nightingale that is within both the SPA/SSSI and the onshore development area (i.e. where the onshore development area overlaps the SPA/SSSI), would be managed following recommended guidelines (e.g. BTO 2015), with the aim of providing optimal habitat for breeding nightingale prior to the breeding season that overlaps with construction activities. Further details and timings of this habitat management would be included and implemented in the final EMP.	Reduced impacts to nightingale and associated habitat	DCO Schedule 1, Part 3, Requirement 21(1)(d), EMP, specifically the SPA Crossing Method Statement

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
6.7	Section 23.6.3	Habitat loss - barn owl	Erection of new nest boxes in suitable locations within the local area where possible, in consultation with the Suffolk Community Barn Owl Project. Further details and timings of this erection of nest boxes would be included in, and implemented through, in the final EMP.	Reduced impacts to barn owl	DCO Schedule 1, Part 3, Requirement 21, EMP
6.8	Section 23.6.3	Construction disturbance – nightjar, woodlark, turtle dove, nightingale, Dartford warbler	Adherence to the Breeding Bird Protection Plan (BBPP), which is implemented as part of the EMP. The BBPP will detail working methods for construction within 200m of the SPA/SSSI.	Reduced impacts to nightjar, woodlark, turtle dove, nightingale, Dartford warbler	DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP
6.9	Section 23.6.3	Construction disturbance – marsh harrier	During the construction phase, surveys conducted by the ECoW or a suitably qualified ornithologist would identify any breeding marsh harrier territories within 400m of the onshore development area, and seek to ensure that no breeding activity is disturbed by construction works that would occur from late March to August inclusive	Reduced impact to marsh harrier	DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP
6.10	Section 23.6.3	Construction disturbance – barn owl	During the construction phase, surveys conducted by the ECoW or a suitably qualified ornithologist would identify any breeding barn owl nest sites within 200m of the onshore development area, and seek to ensure that no breeding activity is disturbed by construction activities	Reduced impacts to barn owls	DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP
6.11	Section 23.6.3	Construction phase – Cetti’s warbler, marsh warbler, yellow wagtail	During the construction phase, surveys conducted by the ECoW or a suitably qualified ornithologist would identify any breeding territories within 100m of the onshore development area, and seek to ensure	Reduced impact to Cetti’s warbler, marsh warbler, yellow wagtail	DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			that no breeding activity is disturbed by construction works		
6.12	Section 23.6.3	Berwick swan (and geese)	If construction activities are due to take place within 200m of Compartment 7 (Hawsell's Farm) during the midwinter period (November to February), adherence to the measures detailed within the EMP will mitigate disturbance to these species.	Reduced impact to Berwick swan (and geese)	DCO Schedule 1, Part 3, Requirement 21(1)(a), EMP, specifically the BBPP
Operation					
6.13	Section 23.3.3	Maintenance and operational measures	Adherence to the operation and maintenance obligations implemented through the EMP and LMP	Reduce impacts to sensitive ornithological receptors	DCO Schedule 1, Part 3, Requirement 14, LMP DCO Schedule 1, Part 3, Requirement 21, EMP
Decommissioning					
6.14	Section 23.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan
Chapter 24 Archaeology and Cultural Heritage					
Construction					
7.1	Section 24.3.3	Targeted investigations	Adherence to the initial targeted archaeological and cultural heritage investigation works detailed within the OWSI. The surveys relate to:	Reduce impacts to sensitive	DCO Schedule 1, Part 3, Requirement 20, Written Scheme of

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			<ul style="list-style-type: none"> • A programme of targeted archaeological trial-trenching; • Metal detecting survey; and • Earthwork identification survey. 	archaeological remains	Investigation (WSI) (Onshore)
7.2	Section 24.6.1	Direct physical impact on (permanent change to) buried archaeological remains	Adherence to the WSI (Onshore) which details mitigation and management measures to reduce direct physical impacts to buried archaeological remains.	Reduced direct physical impact on (permanent change to) buried archaeological remains	DCO Schedule 1, Part 3, Requirement 20, Written Scheme of Investigation (WSI) (Onshore)
7.3	Section 24.6.1	Impact on Potential Geoarchaeological / Palaeoenvironmental Remains, Potentially Indicative of Former Land Surfaces	Adherence to the WSI (Onshore) which details mitigation and management measures to reduce impacts on potential geoarchaeological / palaeoenvironmental remains, potentially indicative of former land surfaces.	Reduced impacts on potential Geoarchaeological / Palaeoenvironmental Remains, Potentially Indicative of Former Land Surfaces	DCO Schedule 1, Part 3, Requirement 20, Written Scheme of Investigation (WSI) (Onshore)
Operation					
7.4	Section 24.3.3	Landscape Screening and Planting impact on the setting of heritage assets	Effective, appropriate and suitable landscape screening and planting has been developed to take into consideration historic landscape and re-establishing historic field boundaries. This will be implemented through the Landscape Management Plan.	Reduce impacts to heritage setting	DCO Schedule 1, Part 3, Requirement 14, LMP
Decommissioning					

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
7.5	Section 24.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan
Chapter 25 Noise and Vibration					
Construction					
8.1	Section 25.3.3	Construction impacts	Adherence to a Construction Phase Noise and Vibration Management Plan will reduce construction noise impacts to sensitive noise receptors.	Reduce impacts to noise receptors	DCO Schedule 1, Part 3, Requirement 22(2)(c), CoCP, specifically the Construction Phase Noise and Vibration Management Plan
8.2	Section 25.3.3	Construction impacts	Adherence to a Construction Traffic Management Plan which will outline measures to manage noise impacts of construction vehicles to noise sensitive receptors.	Reduce impacts to noise receptors	DCO Schedule 1, Part 3, Requirement 28(1)(a), Construction Traffic Management Plan (CTMP)
Operation					
8.3	Section 25.3.3	Operation noise emissions	Adherence to the operational noise limit from the onshore substation of 34dB LAeq (5 minutes) at any time at the noise sensitive receptors, identified within the draft DCO.	Reduce impacts to noise receptors	DCO Schedule 1, Part 3, Requirement 26
8.4	Section 25.7.1	Cumulative operation noise emissions	Adherence to the cumulative operational noise limit from the onshore substation of 34dB LAeq (5 minutes) at any time at the noise sensitive receptors identified within the draft DCO.	Reduce impacts to noise receptors	DCO Schedule 1, Part 3, Requirement 27

Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
Decommissioning					
8.5	Section 25.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan
Chapter 26 Traffic and Transport					
Construction					
9.1	Section 26.3.3	Strategy for access	Adherence to the Access Management Plan which details the strategy for access during the construction phase and will detail measures to reduce impacts to road users. The final Access Management Plan will be produced post-consent in accordance with the Outline Access Management Plan.	Reduce impacts to road users	DCO Schedule 1, Part 3, Requirement 16, Access Management Plan
9.2	Section 26.3.3	Strategy for employee movements	Adherence to the Travel Plan which details the strategy for employee movements during the construction phase and will detail measures to reduce impacts to road users. The final Travel Plan will be produced post-consent in accordance with the Outline Travel Plan.	Reduce impacts to road users	DCO Schedule 1, Part 3, Requirement 28(1)(b), Travel Plan (TP)
9.3	Section 26.6.1	Driver delay	Adherence to the Travel Plan which details the strategy for employee movements during the construction phase and will detail measures to reduce impacts to driver delay. The final Travel Plan will be produced post-consent in accordance with the Outline Travel Plan.	Reduced driver delay	DCO Schedule 1, Part 3, Requirement 28(1)(b), TP

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
9.4	Section 26.3.3	Strategy for construction traffic movements	Adherence to the Construction Traffic Management Plan which details the strategy for construction traffic movements and will detail measures to reduce impacts to road users. The final Construction Traffic Management Plan will be produced post-consent in accordance with the Outline Construction Traffic Management Plan.	Reduce impacts to road users	DCO Schedule 1, Part 3, Requirement 28(1)(a), CTMP
9.5	Section 26.6.1	Impacts to pedestrians	Adherence to the Construction Traffic Management Plan which details the strategy for construction traffic movements and will detail measures to reduce impacts to pedestrians and non-motorised road users. The final Construction Traffic Management Plan will be produced post-consent in accordance with the Outline Construction Traffic Management Plan.	Improved pavement facilities and reduced impacts to pedestrians	DCO Schedule 1, Part 3, Requirement 28(1)(a), CTMP
9.6	Section 26.6.1	Road safety	Adherence to the Construction Traffic Management Plan which details the strategy for construction traffic movements and will detail measures to reduce impacts to road safety. The final Construction Traffic Management Plan will be produced post-consent in accordance with the Outline Construction Traffic Management Plan.	Reduced impact to road safety	DCO Schedule 1, Part 3, Requirement 28(1)(a), CTMP
9.7	Section 26.6.1	Driver delay	Adherence to the Construction Traffic Management Plan which details the strategy for construction traffic movements and will detail measures to reduce impacts to driver delay.	Reduced driver delay	DCO Schedule 1, Part 3, Requirement 28(1)(a), CTMP

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			The final Construction Traffic Management Plan will be produced post-consent in accordance with the Outline Construction Traffic Management Plan.		
Operation					
No mitigation required					
Decommissioning					
9.8	Section 26.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan
Chapter 27 Human Health					
Construction					
10.1	Section 27.3.4	Perception of risk	Adherence to the Stakeholder Communications Plan which will implement a thorough process of community engagement.	Reduced impact on community members	DCO Schedule 1, Part 3, Requirement 22(2)(i), CoCP, specifically the Stakeholder Communications Plan
Operation					
No further mitigation required					
Decommissioning					
10.2	Section 27.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance	As per construction impact mitigation	

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
			with the current legislation, policy and guidance at the time.		
Chapter 29 Landscape and Visual Impact Assessment					
Construction					
11.1	Section 29.3.3	Impacts on lighting	Adherence to the Artificial Light Emissions Management Plan to minimise visual effects caused by lighting.	Reduce visual and landscape effects	DCO Schedule 1, Part 3, Requirement 22(2)(j), CoCP, specifically the artificial light emissions management plan
Operation					
11.2	Section 29.3.3	Impact on visual and landscape effects	Effective, appropriate and suitable landscape screening and planting has been developed to take into consideration visual and landscape effects. This will be implemented and managed through the Landscape Management Plan.	Reduce visual and landscape effects	DCO Schedule 1, Part 3, Requirement 14, LMP
11.3	Section 29.3.3	Impact of lighting	Adherence to the operation and maintenance obligations implemented through the EMP, LMP and Operational Artificial Light Emissions Management Plan to minimise visual effects caused by lighting	Reduce impacts to visual effects	DCO Schedule 1, Part 3, Requirement 25, Operational Artificial Light Emissions Management Plan DCO Schedule 1, Part 3, Requirement 14, LMP DCO Schedule 1, Part 3, Requirement 21, EMP

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Reference	Cross Reference to ES	Environmental Impact	Mitigation Measures Commitment	Effect of Mitigation	Means of Implementation
					DCO Schedule 1, Part 3, Requirement 12, Onshore Substation Design Principles Statement
Decommissioning					
11.4	Section 27.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan
Chapter 30 Tourism, Recreation and Socio-Economics					
Construction					
No further mitigation required than that listed for Chapters 18 to 29					
Operation					
No mitigation required					
Decommissioning					
12.1	Section 30.3.3	As per construction impacts	Decommissioning approach to be finalised nearer to the end of the lifetime of the project in accordance with the current legislation, policy and guidance at the time.	As per construction impact mitigation	DCO Schedule 1, Part 3, Requirement 30, Onshore Decommissioning Plan

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