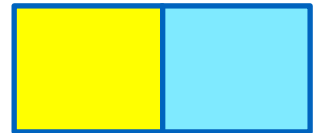




SCOTTISHPOWER  
RENEWABLES



# East Anglia ONE North and East Anglia TWO Offshore Windfarms

## Draft Statement of Common Ground Historic England (Offshore)

Applicants: East Anglia ONE North Limited and East Anglia TWO Limited  
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Applicable to **East Anglia ONE North** and **East Anglia TWO**



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## Glossary of Acronyms

AC	Alternating Current
AONB	Area of Outstanding Natural Beauty
APP	Application Document
CBS	Cement Bound Sand
CCS	Construction Consolidation Sites
DCO	Development Consent Order
EIA	Environmental Impact Assessment
ES	Environmental Statement
HDD	Horizontal Directional Drilling
HE	Historic England
HVAC	High Voltage Alternating Current
NPPF	National Planning Policy Framework
NGET	National Grid Electricity Transmission
O&M	Operation and Maintenance
PCAEP	Pre-Commencement Archaeological Execution Plan
PEIR	Preliminary Environmental Information Report
PRoW	Public Rights of Way
SoCG	Statement of Common Ground
SuDS	Sustainable Drainage System
WSI	Written Scheme of Investigation



## Glossary of Terminology

Applicant	East Anglia TWO Limited / East Anglia ONE North 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.
Construction operation and maintenance platform	A fixed offshore structure required for construction, operation, and maintenance personnel and activities.
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 ONE North project	The proposed project consisting of up to 67 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 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 / ONE North 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, Sites of Community Importance, Special Areas of Conservation and Special Protection Areas.
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.
Inter-array cables	Offshore cables which link the wind turbines to each other and the offshore electrical platforms, these cables will include fibre optic cables.
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.
Meteorological mast	An offshore structure which contains metrological instruments used for wind data acquisition.
Mitigation areas	Areas captured within the onshore development area specifically for mitigating expected or anticipated impacts.
Marking buoys	Buoys to delineate spatial features / restrictions within the offshore development area.
Monitoring buoys	Buoys to monitor <i>in situ</i> condition within the windfarm, for example wave and metocean conditions.
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 / East Anglia ONE North 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 / East Anglia ONE North 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 / East Anglia ONE North 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.
Offshore cable corridor	This is the area which will contain the offshore export cables between offshore electrical platforms and landfall.
Offshore development area	The East Anglia TWO / East Anglia ONE North windfarm site and offshore cable corridor (up to Mean High Water Springs).
Offshore electrical infrastructure	The transmission assets required to export generated electricity to shore. This includes inter-array cables from the wind turbines to the offshore electrical platforms, offshore electrical platforms, platform link cables and export cables from the offshore electrical platforms to the landfall.
Offshore electrical platform	A fixed structure located within the windfarm area, containing electrical equipment to aggregate the power from the wind turbines and convert it into a more suitable form for export to shore.



Offshore export cables	The cables which would bring electricity from the offshore electrical platforms to the landfall. These cables will include fibre optic cables.
Offshore infrastructure	All of the offshore infrastructure including wind turbines, platforms, and cables.
Offshore platform	A collective term for the construction, operation and maintenance platform and the offshore electrical platforms.
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 / East Anglia ONE North 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 / East Anglia ONE North 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 / East Anglia ONE North project.
Platform link cable	Electrical cable which links one or more offshore platforms. These cables will include fibre optic cables.
Safety zones	A marine area declared for the purposes of safety around a renewable energy installation or works / construction area under the Energy Act 2004.
Scour protection	Protective materials to avoid sediment being eroded away from the base of the foundations as a result of the flow of water.
Transition bay	Underground structures at the landfall that house the joints between the offshore export cables and the onshore cables.



# 1 Introduction

## 1.1 Background

1. This Statement of Common Ground (SoCG) has been prepared between East Anglia TWO Limited, East Anglia ONE North (hereafter the Applicants) and The Historic Buildings and Monuments Commission for England (known as Historic England (HE)). It identifies areas of the East Anglia TWO and East Anglia ONE North Development Consent Order (DCO) applications (the Applications) where matters are agreed or not agreed between the parties.
2. The Applicants have had regard to the guidance for the examination of applications for development consent (Department for Communities and Local Government, 2015) when compiling this SoCG.
3. This SoCG has been structured to reflect topics of the Applications which are of interest to HE. Topic specific matters agreed, not agreed and actions to resolve between the Applicants and HE are included within this SoCG.
4. The table(s) presented below represent the SoCG with the Applicants and HE in respect of the following topics:
  - Marine Archaeology and Cultural Heritage; and
  - Development Consent Order (DCO).
5. Throughout the SoCG the phrase “Agreed” identifies any point of agreement between the Applicants and HE. The phrase “Not Agreed” identifies any point that is not yet agreed between the Applicants and HE.
6. The matters considered within this SoCG apply only to HE’s statutory remit, which covers matters relating to historic environments in the context of policy responsibilities of a number of UK Government departments – particularly with regard to land use planning matters. Pursuant to The National Heritage Act (2002), HE’s remit extends to cover maritime archaeology in the English area of the UK Territorial Sea and providing advice in recognition of the identified English marine plan areas (inshore and offshore) as defined within the Marine and Coastal Access Act 2009. Matters that are not yet agreed will be the subject of ongoing discussion between the Applicants and HE to reach agreement on the matter wherever possible, or refine the extent of disagreement between parties. The notes column of the SoCG tables provides commentary on these matters.
7. This document is applicable to both the East Anglia TWO and East Anglia ONE North DCO applications, and therefore is endorsed with the yellow and blue icon used to identify materially identical documentation in accordance with the





Examining Authority's procedural decisions on document management of 23<sup>rd</sup> December 2019 (PD-004). Where rows within **Table 3** relate only East Anglia TWO or East Anglia ONE North, these are indicated by the colour coding within the tables. Notwithstanding the Project alone statements, whilst this document has been submitted to both Examinations, if it is read for one project submission there is no need to read it for the other project submission.

## 1.2 The Development

8. The key offshore components of each project will comprise:

- Offshore wind turbines and their associated foundations;
- Offshore platforms - up to four offshore electrical platforms and their associated foundations supporting some of the windfarm's electrical equipment, and up to one construction, operation and maintenance platform and associated foundations that may cater for personnel and activities required during the construction phase and operation and maintenance of the windfarm;
- Sub-sea cables between the wind turbines and offshore electrical platforms (inter-array), between separate offshore platforms (platform link cables) and between offshore electrical platforms and the landfall (export cables);
- Scour protection around foundations and on inter-array, platform link and export sub-sea cables as required; and
- Potential for one meteorological mast (met mast) and its associated foundations for monitoring wind speeds during the operational phase of the windfarm.

9. The key onshore components of each project will comprise:

- The landfall site with up to two transition bays to connect the onshore and offshore cables;
- Up to six onshore cables, up to two fibre optic cables and up to two distributed temperature sensing (DTS) cables installed underground (some or all of which may be installed in ducts) and associated jointing bays installed underground;
- Onshore substation; and
- Electrical cable connection between the onshore substation and National Grid substation.

10. National grid infrastructure will also be required to connect each project to the national electricity grid. Key components of the National Grid infrastructure which is common to both projects will comprise:



- National Grid substation (note the proposed projects will share one National Grid substation);
- Cable sealing end compounds and a cable sealing end (with circuit breaker) compound; and
- Realignment of the existing overhead lines; including the reconstruction or replacement of up to three existing overhead pylons in proximity to the National Grid substation and the addition of up to one new pylon in close proximity to existing overhead pylons.

### 1.3 Summary of Agreed, Not Agreed and Outstanding matters

11. As requested in the Examining Authority's procedural decision of 23<sup>rd</sup> December 2019 (PD-004), **Table 1** provides a summary of the matters agreed, not agreed and those which are outstanding between the Applicants and Historic England for each of the relevant receptor topics. For further information on agreements that are outstanding / under discussion and for which the Applicants and Historic England are working to address within the examination period, see the detailed agreement **Table 3**.

**Table 1 Summary of Agreed, Not Agreed and Outstanding Matters**

Topic	Agreed, Not Agreed or Outstanding
Marine Archaeology and Cultural Heritage	All EIA matters are Agreed
Development Consent Order	Agreed (subject to HE review of the updated draft DCO submitted at Deadline 5).



## 2 Statement of Common Ground

12. A summary of the consultation undertaken to date with HE and the matters agreed or not agreed between the Applicants and HE (based on discussions and information exchanged between the Applicants and HE during the pre-application and examination phases of the applications) are set out in **Table 2**.

### 2.1 Marine Archaeology and Cultural Heritage

13. Each project has the potential to impact upon marine archaeology and cultural heritage. **Chapter 16 Marine Archaeology and Cultural Heritage** of the Environmental Statement (ES) (APP-064) provides an assessment of the significance of these impacts.
14. **Table 2** provides an overview of consultation undertaken with HE regarding marine archaeology and cultural heritage. Further details on the stakeholder engagement process for marine archaeology and cultural heritage can be found in the Consultation Report (APP-029).

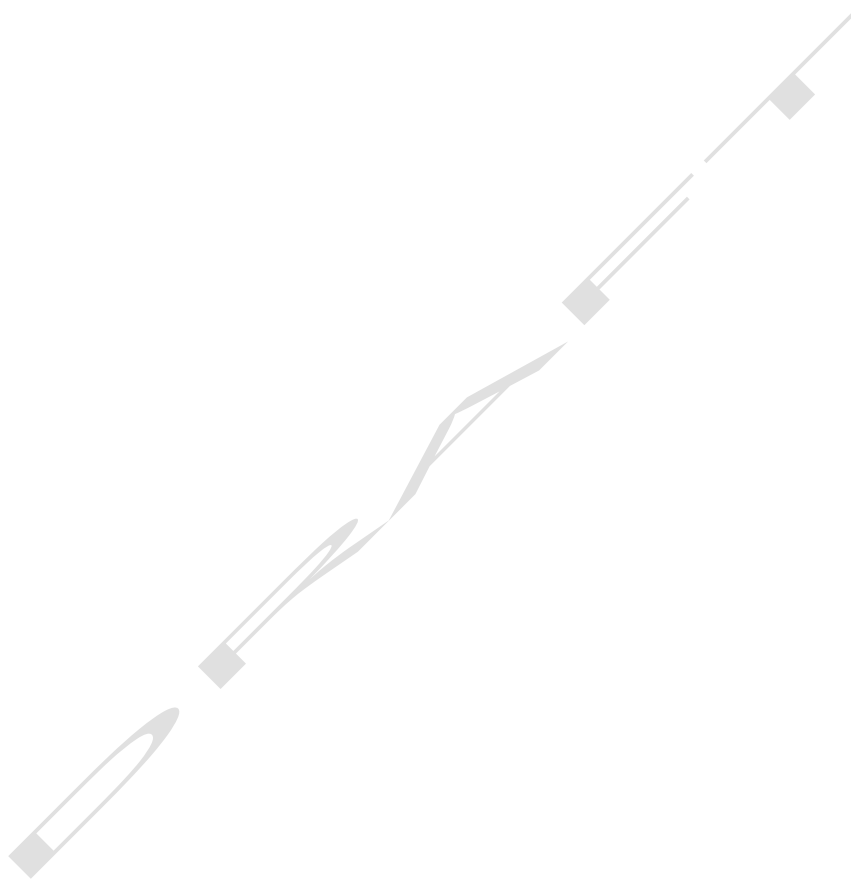
**Table 2 Summary of consultation with HE regarding marine archaeology and cultural heritage**

Date	Contact Type	Topic
<b>Pre-Application</b>		
3 <sup>rd</sup> May 2017	Meeting	Agreement sought regarding EIA survey methodology and data collection.
17 <sup>th</sup> July 2017	Briefing Note	Briefing note to HE detailing new sidescan sonar, swath-bathymetry, sub-bottom profile and magnetometer data will be collected for areas of Sizewell corridor not previously surveyed as part of ZEA.
3 <sup>rd</sup> August 2017	Briefing Note	Briefing note to HE detailing new sidescan sonar and swath data collected and used in conjunction with ZEA data for areas within former zone.
27 <sup>th</sup> February 2018	Briefing Note	Briefing note sent to all ETG stakeholders outlining minor changes to the cable corridor. Stakeholders to review and confirm they are satisfied with amendments.
<b>Post-Application</b>		
24 <sup>th</sup> February 2020	Meeting	First SoCG Meeting
12 <sup>th</sup> March 2020	Meeting	Second SoCG Meeting
6 <sup>th</sup> August 2020	Meeting	Third SoCG Meeting



Date	Contact Type	Topic
8 <sup>th</sup> December 2020	Meeting	Fourth SoCG Meeting
25 <sup>th</sup> January 2021	Meeting	Fifth SoCG Meeting

15. **Table 3** presents the matters agreed or not agreed with HE in relation to marine archaeology and cultural heritage relating to potential unknown heritage assets.





**Table 3 Marine Archaeology and Cultural Heritage**

ID	Topic	Statement	East Anglia TWO Limited position	East Anglia ONE North Limited position	Historic England position	Notes
<b>Environmental Impact Assessment</b>						
HE-001	Existing Environment	Sufficient survey data has been collected to inform the assessment.	Agreed	Agreed	Agreed	None
HE-002	Assessment Methodology	The ES adequately characterises the known and potential features of the marine historic environment within the Project study area.	Agreed	Agreed	Agreed	None
HE-003	Assessment Methodology	The impact assessment methodologies used for the EIA provide an appropriate approach to assessing potential impacts of the project.	Agreed	Agreed	Agreed	None
HE-004	Assessment Methodology	The worst case scenario presented in the assessment is appropriate.	Agreed	Agreed	Agreed	None
HE-005	Assessment Conclusions	The assessment of impacts for construction, operation and	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited position	East Anglia ONE North Limited position	Historic England position	Notes
		decommissioning presented are consistent with the agreed assessment methodologies.				
HE-006	Assessment Conclusions	The assessment of cumulative impacts is consistent with the agreed methodologies.	Agreed	Agreed	Agreed	None
HE-007	Mitigation	Given the impacts of the project, the proposed mitigation outlined in the <b>Offshore Schedule of Mitigation</b> (APP-574) and <b>section 16.3.3</b> of ES <b>Chapter 16 Marine Archaeology and Cultural Heritage</b> (APP-064) is appropriate.	Agreed	Agreed	Agreed	None
<b>Draft Development Consent Order (DCO)</b>						
HE-008	Wording of Requirement(s)	The wording of the following conditions and requirements pertaining to marine archaeology and cultural heritage are	Agreed	Agreed	Agreed subject to HE review of updated draft DCO submitted at Deadline 5	



ID	Topic	Statement	East Anglia TWO Limited position	East Anglia ONE North Limited position	Historic England position	Notes
		<p>appropriate and adequate:</p> <ul style="list-style-type: none"> <li>Condition 17(1)(g) and 17(4) provided within DCO Schedule 13 (generation assets), Part 2 and Condition 13(1)(g) and 13 (4) provided within DCO Schedule 14 (transmission assets), Part 2 of the DML with reference to the Written Scheme of Investigation (WSI).</li> <li>Condition 17(1)(a) provided within DCO Schedule 13 (generation assets), Part 2 and Condition 13(1)(a) provided within DCO Schedule 14 (transmission assets), Part 2 of the DML with reference to the Design Plan.</li> </ul>				



ID	Topic	Statement	East Anglia TWO Limited position	East Anglia ONE North Limited position	Historic England position	Notes
		<ul style="list-style-type: none"> <li>Condition 17(1)(c) provided within DCO Schedule 13 (generation assets), Part 2 and Condition 13(1)(c) provided within DCO Schedule 14 (transmission assets), Part 2 of the DML with reference to the monitoring plan which accords with the In Principle Monitoring Plan.</li> <li>Condition 17(1)(e)(i) provided within DCO Schedule 13 (generation assets), Part 2 and Condition 13(1)(e)(i) provided within DCO Schedule 14 (transmission assets), Part 2 of the DML with reference to the Marine Pollution Contingency Plan.</li> <li>Condition 18(1) provided within DCO</li> </ul>				





ID	Topic	Statement	East Anglia TWO Limited position	East Anglia ONE North Limited position	Historic England position	Notes
		<p>Schedule 13 (generation assets), Part 2 and Condition 14(1) provided within DCO Schedule 14 (transmission assets), Part 2 of the DML with reference to approval by a statutory historic body.</p> <ul style="list-style-type: none"> <li>Requirement 10 provided within DCO Schedule 1, Part 3 with reference to a decommissioning programme.</li> </ul>				
<b>Outline Offshore WSI</b>						
HE-009	Sub-bottom profiling line spacing	Tables 16.5 and 16.6 in Chapter 16 Marine Archaeology and Cultural Heritage detail acquired geophysical survey data used to support the project application. In consideration of this, the WSI's recommendations for a review of existing	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited position	East Anglia ONE North Limited position	Historic England position	Notes
		sub-bottom profiler data coverage, quality and suitability - to be undertaken post-consent - and inform the acquisition of further geophysical data before the start of the pre-construction phase is appropriate				
HE-010	AEZs	The Applicants' approach to establishing AEZs for maritime and aviation heritage assets based on their specific tolerances is appropriate.	Agreed	Agreed	Agreed	None
HE-011	Construction Phasing	The Outline WSI (Offshore) provides appropriate mechanisms to ensure effective archaeological work is supported through a phased approach.	Agreed	Agreed	Agreed	None
HE-012	Archaeological Watching Brief	The Applicants approach to the archaeological	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited position	East Anglia ONE North Limited position	Historic England position	Notes
		watching brief is appropriate				
HE-013	Archaeological Curator	The timescales for submission of the Method Statement to the Archaeological Curator and wider reporting are appropriate.	Agreed	Agreed	Agreed (subject to HE review of the updated draft DCO submitted at Deadline 5).	



### 3 Signatures

16. The above Statement of Common Ground is agreed between East Anglia TWO Limited, East Anglia ONE North Limited and The Historic Buildings and Monuments Commission (Historic England) on the day specified below.

Signed: _____
Print Name: _____
Job Title: _____
Date: _____
Duly authorised for and on behalf of <b>The Historic Buildings and Monuments Commission</b> (known as <b>Historic England</b> )
Signed: _____
Print Name: _____
Job Title: _____
Date: _____
Duly authorised for and on behalf of <b>East Anglia TWO Limited</b>
Signed: _____
Print Name: _____
Job Title: _____
Date: _____
Duly authorised for and on behalf of <b>East Anglia ONE North Limited</b>