



SCOTTISHPOWER  
RENEWABLES



# East Anglia ONE North and East Anglia TWO Offshore Windfarms

## Draft Statement of Common Ground

National Grid Electricity Transmission plc

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**



<b>Revision Summary</b>				
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001	02/11/2020	Brian McGrellis	Ian Mackay/ Lesley Jamieson	Rich Morris

<b>Description of Revisions</b>			
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# Table of Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Background	1
1.2	The Development	2
1.3	Interaction with NGET	3
1.4	Summary of Agreed, Not Agreed and Outstanding Matters	3
<b>2</b>	<b>Statement of Common Ground</b>	<b>5</b>
<b>3</b>	<b>Signatures</b>	<b>12</b>



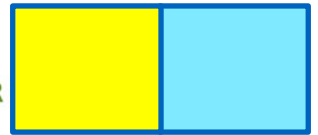
## Glossary of Acronyms

DCO	Development Consent Order
ES	Environmental Statement
ExA	Examining Authority
NGET	National Grid Electricity Transmission plc
PD	Procedural Decision
SoCG	Statement of Common Ground



## Glossary of Terminology

Applicants	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.
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 the 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 the National Grid infrastructure.
Landfall	The area (from Mean Low Water Springs) where the offshore export cables would make contact with land, and connect to the onshore cables.
National electricity grid	As defined in the Applicants' Development Consent Order applications, the high voltage electricity transmission network in England and Wales owned and maintained by National Grid Electricity Transmission Limited.
National Grid Electricity System Operator Limited	A legally separate business within the National Grid Group responsible for moving electricity through the national electricity grid and balancing supply and demand.
National Grid Electricity Transmission plc	A legally separate business within the National Grid Group and owner of the national electricity grid infrastructure in England and Wales.
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 / East Anglia ONE North project Development Consent Order comprising Work Nos. 34, and 38 to 43 but will be National Grid Electricity Transmission plc owned assets.
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 project/ East Anglia ONE North project Development Consent Order comprising Work No. 41.
Onshore cables	The cables which would transmit 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 infrastructure	The combined name for all 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.



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Onshore substation	The East Anglia TWO project / East Anglia ONE North project substation and all of the electrical equipment within the onshore substation and connecting to the National Grid infrastructure.
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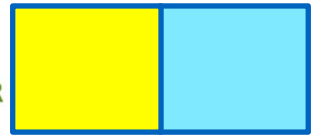




# 1 Introduction

## 1.1 Background

1. This document is applicable to both the East Anglia ONE North and East Anglia TWO Development Consent Order (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 (ExA) procedural decisions on document management of 23<sup>rd</sup> December 2019 (PD-004). 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.
2. This Statement of Common Ground (SoCG) has been prepared by East Anglia TWO Limited, East Anglia ONE North Limited (the Applicants) and National Grid Electricity Transmission plc (NGET). 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.
3. 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.
4. This SoCG has been structured to reflect topics of the Applications which are of interest to NGET. Topic specific matters agreed, not agreed and actions to resolve matters between the Applicants and NGET are included within this SoCG.
5. The tables presented below represent the SoCG with the Applicants and NGET in respect of the following topics:
  - Site Selection and Assessment of Alternatives;
  - DCO Applications;
  - NGET Asset Protection; and
  - Other Matters as Required.
6. Throughout the SoCG the phrase "Agreed" identifies any point of agreement between the Applicants and NGET. The phrase "Not Agreed" identifies any point that is not yet agreed between the Applicants and NGET.
7. NGET is a legally separate business within the National Grid Group and is owner of the national electricity grid infrastructure in England and Wales. The matters considered within this SoCG apply only to NGET's interests in relation to their role as owner of the national electricity grid and the National Grid infrastructure being consented by the Applicants. Matters that are not yet agreed will be the



subject of ongoing discussion between the Applicants and NGET to reach agreement on each matter wherever possible, or refine the extent of disagreement between parties. The notes column of the SoCG tables provides commentary on these matters.

## 1.2 The Development

8. The East Anglia TWO project and East Anglia ONE North project will each comprise the following key offshore components:

- 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 and its associated foundations for monitoring wind speeds during the operational phase of the windfarm.

9. The East Anglia TWO project and East Anglia ONE North project will each comprise the following key onshore components:

- 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 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;





- 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 Interaction with NGET

11. A new National Grid substation and National Grid overhead line realignment works (together referred to as the National Grid infrastructure) are required to connect the East Anglia TWO onshore substation and the East Anglia ONE North onshore substation to the national electricity grid.
12. The National Grid infrastructure will be located to the north of the East Anglia TWO and the East Anglia ONE North onshore substations. The existing overhead lines comprise of four 400kV circuits, two of which are supported by a northern pylon line and two on a southern pylon line, each running parallel to each other. **Chapter 6, Project Description** of the ES (APP-054) provides further detail on the National Grid infrastructure which forms part of the Applications for the Projects.
13. The Applicants and NGET have worked together during the pre-application stage of the Applications in order to define and refine the National Grid infrastructure and its integration with the Projects' onshore substations and associated landscaping proposals.

### 1.4 Summary of Agreed, Not Agreed and Outstanding Matters

14. **Table 1** provides a summary of the matters agreed, not agreed and those which are outstanding between the Applicants and NGET for each of the relevant SoCG topics areas. For further information on agreements that are outstanding / under discussion and for which the Applicants and NGET are working to address during the examination period, please refer to the Notes column of **Table 3**.

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

Topic	Summary
Site Selection and Assessment of Alternatives	All matters relating to this topic are agreed within this draft SoCG (Revision 01).
DCO Consent Application	All matters relating to this topic are agreed within this draft SoCG (Revision 01).
NGET Asset Protection	All matters relating to this topic are agreed within this draft SoCG (Revision 01) with the exception that the Protective Provisions



Topic	Summary
	between the Applicants and NGET (see NGET-201 in <b>Table 3</b> below) are still being progressed between the Applicants and NGET.
Other Matters as Required	All matters relating to this topic are agreed within this draft SoCG (Revision 01) with the exception of the Surface Water Drainage Design (see NGET-303 in <b>Table 3</b> below) which is being progressed between the Applicants and NGET.



## 2 Statement of Common Ground

15. **Table 2** provides an overview of consultation undertaken with NGET regarding this SoCG since submission of the Applications.

**Table 2 Summary of consultation with NGET regarding this SoCG**

Date	Contact Type	Topic
<b>Post-Application</b>		
30 <sup>th</sup> June 2020	Meeting	SoCG meeting 1
21 <sup>st</sup> July 2020	Meeting	SoCG meeting 2
1 <sup>st</sup> September 2020	Meeting	SoCG meeting 3

16. The matters agreed or not agreed between the Applicants and NGET are set out in **Table 3** below for each of the SoCG topic areas.



**Table 3 NGET Statement of Common Ground**

ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	NGET Position	Notes
<b>Site Selection and Assessment of Alternatives</b>						
NGET-001	Site Selection and Assessment of Alternatives	The Applicants have undertaken a thorough and robust site selection process for the onshore substation and National Grid infrastructure location, which was iterative and involved the consideration of technical constraints, environmental effects and deliverability, as presented within <b>Chapter 4, Site Selection and Assessment of Alternatives</b> (APP-052).	Agreed	Agreed	Agreed	None
NGET-002	Site Selection and Assessment of Alternatives	Phase 3.5 consultation undertaken by the Applicants enabled further engagement with local communities and consultees on the opportunity to consider an alternative substation site at Broom Covert, Sizewell in parallel with Grove Wood, Friston. Details are presented within <b>Chapter 4, Site Selection and Assessment of Alternatives</b> (APP-052).	Agreed	Agreed	Agreed	None
NGET-003	Site Selection and Assessment of Alternatives	Subject to the granting of a DCO for the Projects, the location of the National Grid infrastructure meets NGET's requirements for connecting the Projects to the national electricity grid.	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	NGET Position	Notes
NGET-004	Site Selection and Assessment of Alternatives	Co-location of the National Grid infrastructure, onshore substations and existing national electricity grid supports the obligations under Section 9 of the Electricity Act 1989 to develop and maintain an economical and efficient network. These obligations are recognised within paragraph 2.3.5 of National Policy Statement for Electricity Networks Infrastructure (EN-5).	Agreed	Agreed	Agreed	None
<b>DCO Consent Application</b>						
NGET-101	DCO Applications	It is considered appropriate to include all necessary National Grid infrastructure required to connect the Projects to the national electricity grid, within the Applications. This is in line with paragraph 4.9.2 of Overarching National Policy Statement for Energy (EN-1) which states that the “ <i>Government therefore envisages that wherever possible, applications for new generating stations and related infrastructure should be contained in a single application...</i> ”.	Agreed	Agreed	Agreed	None
NGET-102	DCO Applications	The details presented within <b>Chapter 6 - Project Description</b> of the ES (APP-054) adequately describe the construction and operation of the National Grid infrastructure necessary to connect the Projects to the national electricity grid.	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	NGET Position	Notes
NGET-103	DCO Applications	Construction and operation of the National Grid infrastructure (Work Nos. 34 and 38 to 43 inclusive (AS-003)) will be in accordance with the Requirements and outline plans contained within the <b>draft DCO</b> (APP-023).	Agreed	Agreed	Agreed	None
NGET-104	DCO Applications	The description of the Works within the <b>draft DCO</b> (APP-023) in relation to the National Grid infrastructure (Work Nos. 34 and 38 to 43 inclusive) adequately reflect NGET's requirements for constructing and operating the new National Grid infrastructure necessary for connecting the Projects to the national electricity grid.	Agreed	Agreed	Agreed	None
NGET-105	DCO Applications	The extent of the <b>Works Plans</b> (AS-003) (Drawing No. EA2-DEV-DRG-IBR-000731, Rev. 10) in relation to the new National Grid infrastructure (Work Nos. 34 and 38 to 43 inclusive) adequately reflect NGET's requirements for constructing and operating the National Grid infrastructure necessary for connecting the Projects to the national electricity grid.	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	NGET Position	Notes
NGET-106	DCO Applications	The <b>draft DCO</b> (APP-023) provides the necessary powers and rights to construct and maintain the new National Grid infrastructure (Work Nos. 34 and 38 to 43 inclusive) necessary for connecting the Projects to the national electricity grid.	Agreed	Agreed	Agreed	None
NGET-107	DCO Applications	Only National Grid infrastructure required to connect the Projects to the national electricity grid is included within the Applications (specifically Work Nos. 34 and 38 to 43 inclusive).	Agreed	Agreed	Agreed	None
<b>NGET Asset Protection</b>						
NGET-201	Protection of Existing NGET Assets	The Applicants and NGET have agreed Protective Provisions within the <b>draft DCO</b> (APP-023) which will ensure adequate protection of NGET's existing assets.	TBC	TBC	TBC	Protective Provisions are currently being negotiated. Agreement on this statement will be reviewed on agreement of Protective Provisions.
NGET-202	Protection of Existing NGET Assets	NGET will liaise directly with EDF Energy Nuclear Generation Limited (operator of the Sizewell B Nuclear Power Station), under the existing Generic Method Reports agreement between NGET and all nuclear plant operators in the UK, to ensure that EDF Energy Nuclear Generation Limited has the necessary information on the Projects' connection works to the national electricity grid, thereby allowing	Agreed	Agreed	Agreed	None



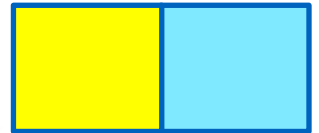
ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	NGET Position	Notes
		the Sizewell B Nuclear Power Station safety case to be reviewed and updated if necessary.				
<b>Other Matters as Required</b>						
NGET-301	Working together	The Applicants and NGET will share with each other construction programme information prior to commencement of construction and on a regular basis thereafter.	Agreed	Agreed	Agreed	None
NGET-302	Working together	The Applicants and NGET will engage regularly with each other during the design and construction of their respective works so that any interface between the works can be considered at an early stage, recognising it is in the interests of the Applicants and NGET as well as the wider community that all works be coordinated as far as reasonably practicable.	Agreed	Agreed	Agreed	None
NGET-303	Surface Water Drainage Design	The Applicants and NGET will liaise during the detail design of the surface water management system to ensure that the design satisfies the requirements of the <b>Outline Operational Drainage Management Plan</b> (which will be submitted at Deadline 3) and to ensure that the operation of the authorised development (including the National Grid	Agreed	Agreed	TBC	The Outline Operational Drainage Management Plan is in preparation and will be provided to NGET for review in due course.





ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	NGET Position	Notes
		infrastructure and the Projects' onshore substations) are not compromised.				

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### 3 Signatures

17. The above Statement of Common Ground is agreed between East Anglia TWO Limited, East Anglia ONE North Limited and National Grid Electricity Transmission plc on the day specified below.

Signed: _____
Print Name: _____
Job Title: _____
Date: _____
Duly authorised for and on behalf of <b>National Grid Electricity Transmission plc</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>