



SCOTTISHPOWER
RENEWABLES



East Anglia ONE North and East Anglia TWO Offshore Windfarms

Statement of Common Ground

National Grid Ventures

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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01	n/a	n/a	First draft for submission at Deadline 1
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Glossary of Acronyms

DCO	Development Consent Order
ES	Environmental Statement
NG-ESO	National Grid Electricity System Operator
NGET	National Grid Electricity Transmission
NGV	National Grid Ventures
OLMP	Outline Landscape Mitigation Plan
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	The high voltage electricity transmission network in England and Wales owned and maintained by National Grid Electricity Transmission.
National Grid Electricity System Operator	A legally separate business within the National Grid Group responsible for operating the national electricity grid.
National Grid Electricity Transmission	A legally separate business within the National Grid Group which owns, builds, operates and maintains the national electricity grid 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 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 Electricity Transmission 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 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 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.



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 procedural decisions on document management of 23rd 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 Ventures (NGV). 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 NGV. Topic specific matters agreed, not agreed and actions to resolve matters between the Applicants and NGV are included within this SoCG.
5. The tables presented below represent the SoCG with the Applicants and NGV in respect of the following topics:
 - Interaction at the National Grid Substation; and
 - Development Consent Order.
6. Throughout the SoCG the phrase "Agreed" identifies any point of agreement between the Applicants and NGV. The phrase "Not Agreed" identifies any point that is not yet agreed between the Applicants and NGV.
7. NGV is a separate business from National Grid's core regulated businesses of National Grid Electricity Transmission plc (NGET) and National Grid Electricity System Operator Limited (NG-ESO). The matters considered within this SoCG apply only to NGV's interests (on behalf of National Grid Interconnector Holdings Limited) in relation to the interaction of the proposed Nautilus interconnector project and/or the proposed EuroLink interconnector project, at the National Grid substation. Matters that are not yet agreed will be the subject of ongoing discussion between the Applicants and NGV 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.

8. NGV have made submissions to the Examinations at Deadlines 3, 4 and 6 in response to questions from the Examining Authority.

1.2 The Development

9. 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.
10. 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.
11. National Grid infrastructure will also be required to connect each project to the national electricity grid in the event that either the proposed Nautilus interconnector project and/or the proposed EuroLink interconnector project come forward. 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 Summary of Agreed, Not Agreed and Outstanding Matters

12. **Table 1** provides a summary of the matters agreed, not agreed and those which are outstanding between the Applicants and NGV for each of the relevant SoCG topics areas.

Table 1 Summary of Agreed, Not Agreed and Outstanding Matters

Topic	Summary
Interaction at the National Grid Substation	All matters relating to this topic are agreed.
DCO	All matters relating to this topic are agreed.



2 Statement of Common Ground

13. A summary of the consultation undertaken to date with NGV and the matters agreed or not agreed between the Applicants and NGV (based on discussions and information exchanged between the Applicants and NGV during the pre-application and post-application phases of the Applications) are set out below for each of the SoCG topic areas.

2.1 Interaction at the National Grid Substation

14. NGV is proposing to develop two separate interconnector projects, Nautilus and EuroLink. NGV has connection agreements with the NG-ESO within the Leiston area for both Nautilus and EuroLink. Each of these agreements provide a grid connection to a new 400kV substation located close to the Sizewell 400kV network, provisionally referred to as 'Leiston 400kV'. The connection agreements relate to an area rather than a specific location.
15. Whilst NGV's feasibility work to date has been based on an assumption that the proposed NGET substation at Friston (which forms part of the Applicants proposals for the Projects) is a potential connection point, at no time has this translated into a confirmed connection at the National Grid substation at Friston.
16. In order to facilitate grid connection(s) at the National Grid substation for NGV's Nautilus and/or EuroLink projects, future extensions to the National Grid substation would be required within the areas shown in Figure 1, Appendix 1. Any such works required to accommodate the NGV Nautilus and EuroLink projects should they connect to the National Grid substation would be subject to NGV and/or National Grid obtaining the necessary consents for such works at the appropriate time. The East Anglia TWO project and East Anglian ONE North project are only seeking consent for the works necessary to connect their respective projects to the national electricity grid.
17. **Table 2** provides an overview of consultation undertaken with NGV during the pre-application and post application-stages of the Applicants' DCO Applications. Further details on stakeholder engagement undertaken can be found in the **Consultation Report** (APP-029).



Table 2 Summary of consultation with NGV regarding interaction at the National Grid substation

Date	Contact Type	Topic
Pre-Application		
31 st May 2018	Meeting	Projects update with NGV and NGET
2 nd July 2018	Meeting	Projects update with NGV and NGET
4 th September 2018	Meeting	Projects update with NGV and NGET
4 th October 2018	Meeting	Projects update with NGV and NGET
11 th December 2018	Meeting	Projects update with NGV and NGET
14 th March 2019	Consultation response to the Applicants' Phase 4 (Section 42) consultations on the proposed East Anglia ONE North project and East Anglia TWO project.	NGV's consultation responses set out the background to NGV, the proposed Nautilus and EuroLink Interconnector projects and NGV's position at that time.
Post-Application		
27 th January 2020	Consultation responses to the Planning Inspectorate's Section 56 consultations on the proposed East Anglia TWO project and East Anglia ONE North project.	NGV's consultation responses set out the background to the proposed Nautilus and EuroLink Interconnector projects and NGV's interest in the Applicants' DCO Applications.
20 th March 2020	Meeting	SoCG meeting 1
2 nd April 2020	Meeting	SoCG meeting 2
3 rd June 2020	Meeting	SoCG meeting 3
2 nd September 2020	Meeting	SoCG meeting 4
24 th March 2021	Meeting	SoCG meeting 5

18. **Table 3** presents the matters agreed or not agreed in relation to interaction at the National Grid substation.



Table 3 Interaction at the National Grid Substation

ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	National Grid Ventures Position	Notes
Interaction at the National Grid Substation						
NGV-001	Connection to the National Grid Substation	<p>NGV has connection agreements with the NG-ESO within the Leiston area for both Nautilus and EuroLink. Each of these agreements provide a grid connection to a new 400kV substation located close to the Sizewell 400kV network, provisionally referred to as 'Leiston 400kV'. The connection agreements relate to an area rather than a specific location.</p> <p>At the date of this SoCG neither the Nautilus or EuroLink projects are at a sufficient stage of project definition to confirm whether the National Grid substation will present a viable option for their connection to the national electricity grid.</p> <p>However, the Applicants and NGV recognise there are benefits in ensuring that the design of the East Anglia TWO project and East Anglia ONE North project does not unnecessarily limit or restrict the opportunity for the Nautilus and EuroLink projects to connect to the national electricity grid at the National Grid substation.</p>	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	National Grid Ventures Position	Notes
NGV-002	Connection to the National Grid Substation	At this early stage of the Nautilus and EuroLink project design, NGV anticipate the location and extent of the onshore substations (as shown on the Works Plans (Onshore) (REP7-005) and soft landscaping (as shown in the Outline Landscape and Ecological Management Strategy (REP6-007)), is not anticipated to prevent a potential future extension of the National Grid substation subject to the potential need to relocate the proposed Infiltration/SuDS basins and proposed landscape planting (within the areas shown in Figure 1, Appendix 1) to accommodate the connection of NGV's Nautilus and EuroLink projects to the national electricity grid in the event that this is the connection location taken forward by NGV.	Agreed	Agreed	Agreed	Interaction at any consented National Grid substation will be with the NGET as owner/operator.
NGV-003	Connection to the National Grid Substation	Acknowledging the early stage of the Nautilus and EuroLink project designs and the constraints presented by the onshore substations (as shown on the Works Plans (Onshore) (REP7-005) and soft landscaping (as shown in the Outline Landscape and Ecological Management Strategy (REP6-007)) it is not possible to establish whether capacity exists for NGV to route cabling in the delivery of the Nautilus and EuroLink projects to an extended National Grid	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	National Grid Ventures Position	Notes
		substation in the event that this is the connection location taken forward. This would be subject to further routing and detailed design studies to be undertaken by NGV in the event that this is the connection location taken forward by NGV.				
NGV-004	Cumulative Impact Assessment	<p>As detailed in NGV's Deadline 3 Submission - Post Hearing Submission (REP3-112), the Nautilus and EuroLink interconnector projects are at early stages of development and at the time of this SoCG, NGV are satisfied in review of the information supplied by the Applicants and in the absence of an EIA scoping opinion for both the Nautilus and EuroLink interconnector projects, that they are not sufficiently defined to have been taken into account in the East Anglia TWO project and East Anglia ONE North project cumulative impact assessments.</p> <p>This approach is in accordance with The Planning Inspectorate Advice Note 17 (Planning Inspectorate 2018).</p>	Agreed	Agreed	Agreed	<p>The Applicants note that a cumulative impact appraisal of the potential National Grid substation extension will be submitted at Deadline 8.</p> <p>At the time of signing this SoCG NGV have not had sight of this appraisal; NGV may comment on this document at Deadline 9.</p>
NGV-005	Land Rights	Through the East Anglia TWO project and East Anglia ONE North project DCOs, the Applicants are seeking the powers to compulsory acquire land and rights in land in respect of land that the Applicants have identified as being solely	Agreed	Agreed	Agreed	None



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	National Grid Ventures Position	Notes
		<p>required for the development of the East Anglia TWO project and East Anglia ONE North project.</p> <p>NGV recognise that should it seek powers to compulsory acquire land and rights in land to facilitate connections to the national electricity grid for the Nautilus and EuroLink interconnector projects at the National Grid substation:</p> <ul style="list-style-type: none"> Where the National Grid infrastructure is in place prior to NGV's future DCO application(s) being submitted, the land and rights sought by NGV are not anticipated to relate to the National Grid substation (but could include land and rights relating to any future extension(s) of the National Grid substation); or Where the National Grid infrastructure is not in place prior to NGV's future DCO application(s) being submitted, the land and rights sought by NGV are not anticipated to relate to the construction and use of works to secure the National Grid infrastructure in a similar manner to that identified by the Applicants, and including the additional land and rights necessary for connecting the NGV project(s) to the National Grid substation. 				



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	National Grid Ventures Position	Notes
Draft Development Consent Order (DCO)						
NGV-006	Requirement 38	Recognising that the National Grid infrastructure may be included within the DCO application(s) submitted by NGV in respect of the Nautilus and EuroLink projects, Requirement 38 of the Applicants draft DCO (REP7-006) has been amended to include the following: <i>"Where any part of the grid connection works are being or have been constructed under another development consent order, that part of the grid connection works must not be constructed under this Order"</i>	Agreed	Agreed	Agreed	None
Other Matters as Required						
NGV-007	Working together	Subject to NGV securing consent(s) for connection of the Nautilus and/or EuroLink interconnector projects at the National Grid substation, the Applicants will share construction programme information with NGV prior to commencement of construction and on a regular basis thereafter.	Agreed	Agreed	Agreed	Such information relating to works in and around the National Grid substation.
NGV-008	Working together	Subject to NGV securing consent(s) for connection of the Nautilus and/or EuroLink interconnector projects at the National Grid	Agreed	Agreed	Agreed	Such information relating to works in and around the



ID	Topic	Statement	East Anglia TWO Limited Position	East Anglia ONE North Limited Position	National Grid Ventures Position	Notes
		substation, NGV will share construction programme information with the Applicants prior to commencement of construction and on a regular basis thereafter.				National Grid substation.
NGV-009	Working together	Subject to NGV committing to connection(s) for the Nautilus and/or EuroLink interconnector projects at the National Grid substation, the Applicants and NGV will engage regularly with each other during the design and construction of their respective projects so that any interface between the projects can be considered at an early stage, recognising it is in the interests of the Applicants and NGV as well as the wider community that all projects be coordinated as far as reasonably practicable.	Agreed	Agreed	Agreed	None



3 Signatures

19. The above Statement of Common Ground is agreed between East Anglia TWO Limited, East Anglia ONE North Limited and National Grid Ventures Limited (on behalf of National Grid Interconnector Holdings Limited) on the day specified below.

Signed:



Print Name: Liz Wells

Job Title: Consents Manager

Date: 25/03/2021

Duly authorised for and on behalf of **National Grid Ventures Limited on behalf of National Grid Interconnector Holdings Limited**

Signed: _____

Print Name: Richard Morris

Job Title: Senior Project Manager

Date: 25th March 2021

Duly authorised for and on behalf of **East Anglia TWO Limited**

Signed: _____

Print Name: Richard Morris

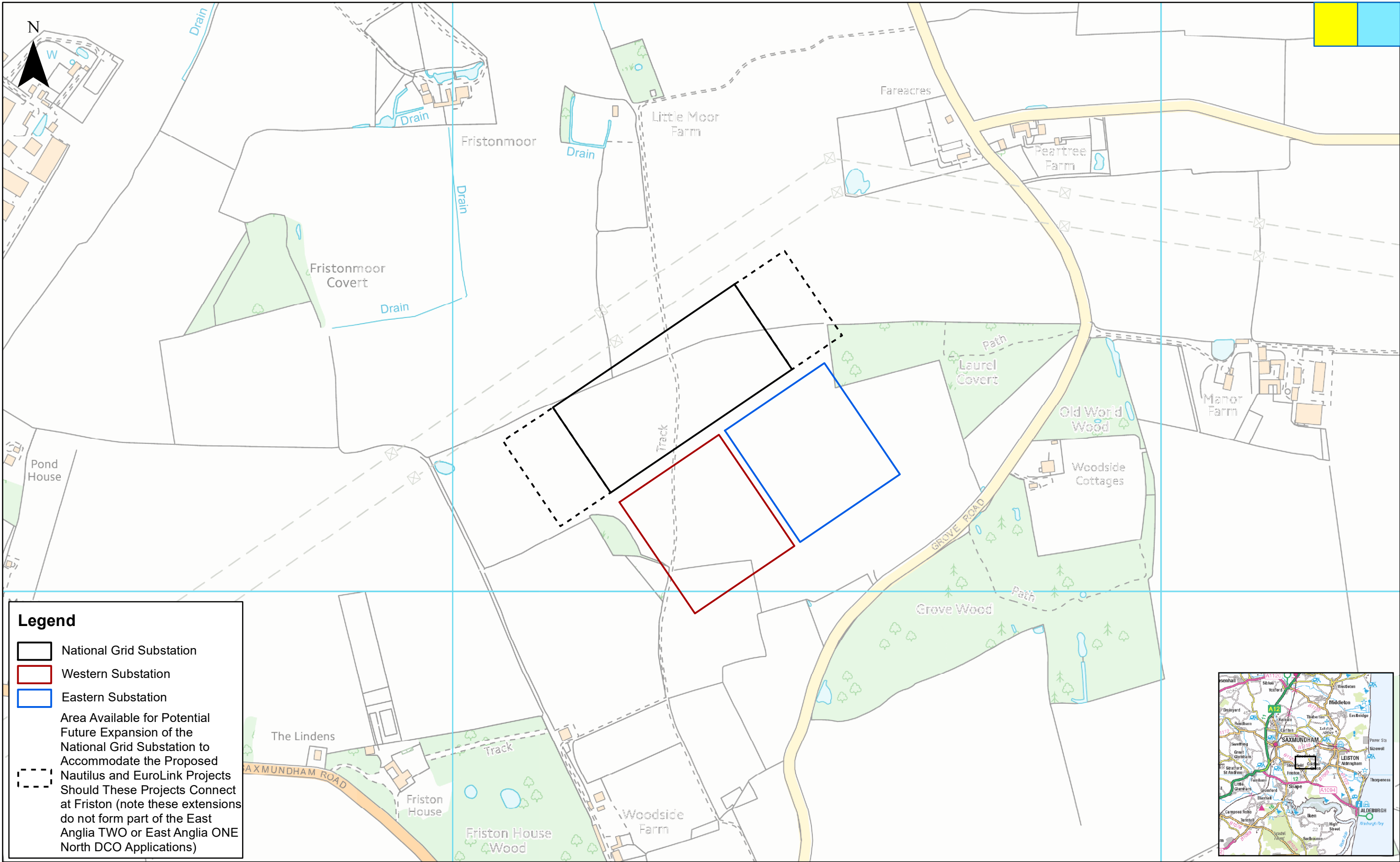
Job Title: Senior Project Manager

Date: 25th March 2021

Duly authorised for and on behalf of **East Anglia ONE North Limited**



Appendix 1: Figures



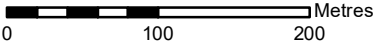


1	15/03/2021	AB	First Issue.
Rev	Date	By	Comment

				Prepared:	AB
				Checked:	BD
				Approved:	FM

1:5,000

Scale @ A3



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East Anglia ONE North and East Anglia TWO

Area Available for Potential Future Expansion of the National Grid Substation to Accommodate the Proposed Nautilus and EuroLink Projects

Drg No	EA1N-EA2-DEV-DRG-IBR-001287		
Rev	1	Coordinate System: BNG Datum: OSGB36	
Date	15/03/21		
Figure	1		