

East Anglia ONE North Offshore Windfarm

Appendix 23.1

Onshore Ornithology Survey Report

Preliminary Environmental Information
Volume 3

Document Reference – EA1N-DEVWF-ENV-REP-IBR-
000292_001

Revision Summary					
Rev	Date	Document Status	Prepared by	Checked by	Approved by
01	11/01/2019	For Issue	Paolo Pizzolla	Ian Mackay	Helen Walker

Description of Revisions			
Rev	Page	Section	Description
01	n/a	n/a	Final Draft

Table of Contents

23.1	Onshore Ornithology Survey Report	1
------	-----------------------------------	---

Appendix 23.1 is additionally supported by:

Annex 1: BTO Codes

Appendix 23.1 is supported by the tables listed below

Table number	Title
Table A23.1	Survey Programme 2018
Table A23.2	Species Diversity per Transect Route
Table A23.3	Target species recorded during 2018 baseline surveys
Table A23.4	Woodlark Observations 2018
Table A23.5	Nightjar Observations 2018
Table A23.6	Turtle dove Observations 2018
Table A23.7	Nightingale Observations 2018
Table A23.8	Marsh harrier Observations 2018
Table A23.9	Barn owl Observations 2018
Table A23.10	Bittern Observations 2018
Table A23.11	Cetti's warbler Observations 2018
Table A23.12	Crossbill Observations 2018
Table A23.13	Dartford warbler Observations 2018
Table A23.14	Hobby Observations 2018
Table A23.15	Kingfisher Observations 2018
Table A23.16	Marsh warbler Observations 2018
Table A23.17	Peregrine Observations 2018
Table A23.18	Red kite Observations 2018
Table A23.19	Short-eared owl Observations 2018
Table A23.20	Spotted flycatcher Observations 2018
Table A23.21	Yellow wagtail Observations 2018

Glossary of Acronyms

BBS	Breeding Bird Survey
BoCC	Birds of Conservation Concern
BTO	British Trust for Ornithology
CroW	Countryside and Rights of Way
DCO	Development Consent Order
EIA	Environmental Impact Assessment
ETG	Expert Topic Group
EU	European Union
km	Kilometres
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest

Glossary of Terminology

Applicant	East Anglia ONE North Limited.
Construction consolidation sites	Compounds which will contain laydown, storage and work areas for onshore construction works. The HDD construction compound will also be referred to as a construction consolidation site.
Development area	The area comprising the Proposed Onshore Development Area and the Offshore Development Area
East Anglia ONE North project	The proposed project consisting of up to 67 wind turbines, up to four offshore electrical platforms, up to one offshore 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.
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.
Evidence Plan Process	A voluntary consultation process with specialist stakeholders to agree the approach to the EIA and the information required to support HRA.
Horizontal directional drilling (HDD)	A method of cable installation where the cable is drilled beneath a feature without the need for trenching.
Jointing bay	Underground structures constructed at regular 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 or above ground cabinets next to the cable trench housing electrical earthing links.
Mitigation areas	Areas captured within the Development Area specifically for mitigating expected or anticipated impacts.
National Grid infrastructure	A National Grid substation, connection to the existing electricity pylons and National Grid overhead line realignment works which will be consented as part of the proposed 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 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 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 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.
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 and two fibre optic cables.
Indicative onshore development area	The area in which the landfall, onshore cable corridor, onshore substation, mitigation areas, temporary construction facilities (such as access roads and construction consolidation sites), and the National Grid Infrastructure will be located.
Proposed onshore development area	A refined version of the indicative onshore development area.
Onshore infrastructure	The combined name for all of the onshore infrastructure associated with the proposed East Anglia ONE North project from landfall to the connection to the national electricity grid.
Onshore substation	The East Anglia ONE North substation and all of the electrical equipment, both within and connecting to the National Grid infrastructure.
Onshore substation location	The proposed location of the onshore substation for the proposed East Anglia ONE North project.
Transition bay	Underground structures at the landfall that house the joints between the offshore export cables and the onshore cables.

23.1 Onshore Ornithology Survey Report

Data confidential.