

East Anglia ONE North Offshore Windfarm

Appendix 14.4

East Anglia ONE North Cumulative Impact Assessment Screening

Environmental Statement Volume 3

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East Anglia ONE North Cumulative Impact Assessment Screening (Appendix 14.4)

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Revision Number	Date	Summary of Change
00	18 Oct 2018	Initial Draft

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Abbreviations Table

Abbreviation	Definition
CIA	Cumulative Impact Assessment
nm	Nautical Mile

1 Introduction

1. This appendix presents the projects considered for the shipping and navigation Cumulative Impact Assessment (CIA) of *Chapter 14 Shipping and Navigation* undertaken for the East Anglia ONE North offshore windfarm, and outlines which have been screened in and out of the assessment and the reasoning behind this. The final list of projects screened into the assessment has then been presented in the Chapter.

2 Cumulative Screening

2. A number of projects and marine activities were screened out of the assessment with regards to vessel movement as these were considered to be part of the baseline for vessel traffic. This includes traffic associated with marine aggregate extraction areas, fishing activity and recreational craft transits.
3. The East Anglia ONE North windfarm site is also out with the operational area or harbour limits of any ports, harbours or marinas there are not considered to be any cumulative impacts associated with the construction, operation and maintenance or decommissioning phases.
4. Given the limited spatial extent of gas platforms and fields within the area there is not considered to be any cumulative routeing impacts and therefore collision risk associated with existing gas installations in the southern North Sea. Should any future surface gas developments be applied for within the gas fields within the area they would be subject to their own navigational risk assessments including at a cumulative level.
5. Table 2.1 presents the projects within a 100 nautical mile (nm) buffer of the East Anglia TWO windfarm site. Due to the national and international nature of shipping, impacts on vessel routeing can occur a significant distance from the project being assessed. Therefore the cumulative list for shipping and navigation includes all constructed, consented or planned windfarms within the southern North Sea that could potentially cumulatively influence a vessel's navigational routeing.
6. It should be noted that any projects with a currently dormant status have not been included within the cumulative screening. Noting uncertainty regarding individual boundaries of certain windfarms within the Dutch sector, overall Development Zones have been scoped in rather than individual projects where appropriate. This is considered the worst case, as it will result in maximum deviations.
7. Distances have been estimated based on the best information available at the time of writing.

Table 2.1 Cumulative Project Screening

Project	Status	Distance (nm) to Site	Distance (nm) to Corridor	Included in CIA	Rationale
UK Windfarms					
Dudgeon	Operational	57	56	No	No impact on identified routes.
East Anglia ONE	Under Construction	1	6	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
East Anglia THREE	Consented	9	19	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
East Anglia TWO	Pre-planning Application	5	0	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Galloper	Under Construction	21	15	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Greater Gabbard	Operational	23	15	No	No impact on identified routes.
Gunfleet Sands Demo	Operational	55	32	No	No impact on identified routes.
Gunfleet Sands I	Operational	53	29	No	No impact on identified routes.
Gunfleet Sands II	Operational	51	28	No	No impact on identified routes.
Hornsea Project Four	Pre-planning Application	90	92	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site

Project	Status	Distance (nm) to Site	Distance (nm) to Corridor	Included in CIA	Rationale
Hornsea Project One	Under Construction	83	88	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Hornsea Project Three	Consent Submitted	76	82	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Hornsea Project Two	Consented	88	90	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Inner Dowsing	Operational	80	72	No	No impact on identified routes.
Kentish Flats 1	Operational	68	46	No	No impact on identified routes.
Kentish Flats 2	Operational	68	47	No	No impact on identified routes.
Lincs	Operational	78	69	No	No impact on identified routes.
London Array 1	Operational	48	28	No	No impact on identified routes.
Lynn	Operational	78	69	No	No impact on identified routes.
Norfolk Boreas	Pre-planning Application	27	35	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Norfolk Vanguard	Consent Submitted	21	27	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Race Bank	Operational	70	65	No	No impact on identified routes.
Scroby Sands	Operational	21	18	No	No impact on identified routes.

Project	Status	Distance (nm) to Site	Distance (nm) to Corridor	Included in CIA	Rationale
Sheringham Shoal	Operational	56	53	No	No impact on identified routes.
Thanet	Operational	57	42	No	No impact on identified routes.
Triton Knoll	Consented	76	73	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
EU Windfarms					
Belwind I	Operational	39	42	No	No impact on identified routes.
Borssele	Development Zone	37	40	No	No impact on identified routes.
Egmond aan Zee	Operational	66	76	No	No impact on identified routes.
Hollande Kust (Noord)	Development Zone	58	68	No	No impact on identified routes.
Hollande Kust (West)	Development Zone	35	45	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Hollande Kust (Zuid)	Development Zone	50	59	No	No impact on identified routes.
Hollande Kust D	Development Zone	35	45	No	No impact on identified routes.
Hollande Kust E	Development Zone	56	66	No	No impact on identified routes.
Hollande Kust F	Development Zone	27	35	No	No impact on identified routes.
Ijmuiden Ver	Development Zone	25	36	Yes	Cumulatively affects a route identified within 10nm of the East Anglia ONE North windfarm site
Norther	Under Construction	49	53	No	No impact on identified routes.

Project	Status	Distance (nm) to Site	Distance (nm) to Corridor	Included in CIA	Rationale
Northwind	Operational	44	48	No	No impact on identified routes.
NSW Offshore windpark Egmond aan Zee	Operational	66	76	No	No impact on identified routes.
Prinses Amalia Windparken	Operational	60	69	No	No impact on identified routes.
Rentel	Under Construction	46	50	No	No impact on identified routes.
Seastar	Authorised	42	46	No	No impact on identified routes.
THV Mermaid	Authorised	37	40	No	No impact on identified routes.
Thorntonbank	Operational	48	52	No	No impact on identified routes.
WP Q10 / Eneco Luchterduinen	Operational	57	66	No	No impact on identified routes.

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