



NORTH FALLS

Offshore Wind Farm

**GUIDE TO THE
PRELIMINARY
ENVIRONMENTAL
INFORMATION REPORT**

GUIDE TO THE PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

This document is a quick reference guide to the North Falls Offshore Wind Farm Preliminary Environment Information Report (PEIR).

The purpose of the PEIR is to provide preliminary environmental information in relation to the environmental impact assessment (EIA) to allow stakeholders to develop an informed view of the effects of North Falls, as required by The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations).

The PEIR is comprised of three volumes, along with a Non-technical Summary, as follows:

- Volumes I - Technical PEIR Chapters.
- Volume II - Chapter Figures.
- Volume III - Chapter Appendices.

The technical chapters provided within Volume I are grouped into introductory chapters, offshore chapters, onshore chapters and finally project-wide chapters.

We would advise reading the Non-technical Summary first as it provides a high level overview and can help to signpost you to the relevant PEIR documents where further information is provided. Details of the documents contained within each volume of the PEIR are provided below.

Preliminary environmental information is also provided in relation to the Habitats Regulations¹ and Marine and Coastal Access Act 2009, within the following associated documents:

- Report to Inform Appropriate Assessment (RIAA).
 - Habitats Regulations Assessment Screening (RIAA Appendix 1)
 - Modelling the abundance of red-throated divers (RIAA Appendix 2)
 - In Principle Compensation Options Review

- Marine Conservation Zone (MCZ) Assessment Preliminary Stage 1 Assessment.
 - Marine Conservation Zone Screening (MCZA Appendix 1)
 - MCZA Sensitivity Ranges (MCZA Appendix 2)
 - Measures of Equivalent Environmental Benefit (MCZA Appendix 3)

Finally, further associated documents are provided alongside the PEIR to provide additional information on North Falls. These are:

- Schedule of Mitigation
- Onshore Substation Design Vision

The PEIR and associated documents can be downloaded from the project website at www.northfallsoffshore.com and a hard copy will be available to view at the North Falls public consultation events planned for June 2023. Further information on the public consultation events will be provided on the project website.

If you have any questions or feedback, please get in touch via:

Email: contact@northfallsoffshore.com

Website form: www.northfallsoffshore.com/contact/

Address: FREEPOST North Falls

North Falls Offshore Wind Farm Limited
Company number: 12435947

Registered address: Windmill Hill Business Park, Whitehill Way, Swindon, Wiltshire SN5 6PB

The PEIR consultation closes on Friday 14 July 2023.

NON-TECHNICAL SUMMARY

This is a concise, stand-alone report that presents a high-level overview of the PEIR in an easy-to-read format. It is recommended that this is read first as it is a way to gain an initial understanding of the project proposals. Further details can then be found in the relevant PEIR documents.

PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

INTRODUCTORY CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES		VOLUME III APPENDICES
1 Introduction	Figure 1.1 Figure 1.2	Offshore project area Onshore project area	N/A
2 Need for Project	N/A		N/A
3 Policy and Legislative Context	N/A		N/A
4 Site Selection and Assessment of Alternatives	Figure 4.1 Figure 4.2 Figure 4.3 Figure 4.4 Figure 4.5 Figure 4.6 Figure 4.7 Figure 4.8 Figure 4.9 Figure 4.10 Figure 4.11 Figure 4.12 Figure 4.13 Figure 4.14 Figure 4.15	Array area site selection Potential development area Cable landfall site selection Offshore cable corridor selection – preliminary area of search Offshore cable corridor area of search with hard constraints removed Offshore cable corridor preliminary options Offshore cable corridor refinement Onshore substation site selection – area of search Onshore substation site selection – long list options Onshore substation site selection – onshore substation zone (preferred option) Onshore cable corridor site selection – combined cable corridors Onshore cable corridor site selection – refined combined cable corridors Onshore cable corridor site selection – preferred combined cable corridor Onshore cable corridor site selection – cable route north of the A120 Onshore cable corridor site selection – preferred onshore cable corridors	<i>Appendix 4.1 North Falls Site Selection Golden Rules</i>
5 Project Description	N/A		<i>Appendix 5.1 Crossing Schedule</i>
6 EIA Methodology	N/A		<i>Appendix 6.1 Grid Connection Optionality – Worst Case Assessment</i>
7 Technical Consultation	N/A		N/A

¹ The Conservation of Habitats and Species Regulations 2017, the Conservation of Offshore Marine Habitats and Species Regulations 2017 and the Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019 are collectively referred to as the 'Habitat Regulations'

OFFSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES	
8 Marine Geology Oceanography and Physical Processes	Figure 8.1	Bathymetry and Bedforms of the North Falls Array Areas	N/A
	Figure 8.2	Bathymetry and Bedforms of the Offshore Cable Corridor	
	Figure 8.3	Sediment sample locations at North Falls	
	Figure 8.4	Position on the amphidromic point	
	Figure 8.5	Depth Below the Seabed to the Top of the Harwich Formation along the Offshore Cable Corridor	
	Figure 8.6	Depth Below the Seabed to the Top of the London Clay along the Offshore Cable Corridor	
	Figure 8.7	Depth Below the Seabed to the Base of the Pleistocene Unit along the Offshore Cable Corridor	
	Figure 8.8	Depth Below the Seabed to the 'Base Shore Unit' Interpreted close to the Landfall.	
	Figure 8.9	Seabed sediment Interpretation of the Array Areas and Interconnector Cable Corridor	
	Figure 8.10	Seabed Sediment Interpretation of the Offshore Cable Corridor	
	Figure 8.11	Morphology of the Seabed across the Array Areas	
	Figure 8.12	Morphology of the Seabed across the Offshore Cable Corridor	
	Figure 8.13	Zone of potential influence	
	Figure 8.14	Receptor groups for marine geology, oceanography and physical processes	
	Figure 8.15	Average Suspended Particulate Matter (SPM) 1998 - 2015	
	Figure 8.16	Modelled tidal flow in the southern North Sea for Greater Gabbard offshore wind farm during an ebb tide.	
	Figure 8.17	Modelled tidal flows in the southern North Sea for Greater Gabbard offshore wind farm during a flood	
	Figure 8.18	Regional sediment transport pathways in the vicinity of North Falls	
9 Marine Water and Sediment Quality	Figure 9.1	Sediment sample locations for contaminated analysis	N/A
	Figure 9.2	WFD water bodies and protected areas	
10 Benthic and Intertidal Ecology	Figure 10.1	Sediment Sample Locations at North Falls	<i>Appendix 10.1 Benthic Ecology; North Falls Offshore Site Investigation (Fugro, 2021)</i>
	Figure 10.2	Zones of Potential Influence	
	Figure 10.3	Receptor Groups for Marine Geology, Oceanography and Physical Processes	
	Figure 10.4	Habitat Distribution in North Falls and Galloper Survey Areas	

OFFSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES	
11 Fish and Shellfish Ecology	Figure 11.1	Study area	<i>Appendix 11.1 Fish and Shellfish Ecology Technical Report</i>
	Figure 11.2	Herring Spawning and nursery grounds (Source: Coull et al 1998, Ellis et al 2012)	
	Figure 11.3	Herring habitat suitability for Spawning based on sediment PSA	
	Figure 11.4	Sandeel spawning and nursery grounds (Source: Coull et al 1998, Ellis et al 2012)	
	Figure 11.5	IBRS Lesser sandeel CPUE (2917-2021) (Source: DATRAS 2022)	
	Figure 11.6	ICES sandeel assessment areas in the North Sea (1-4) and the sandeel habitat areas and location of fishing grounds describes by Jensen et al (2011)	
	Figure 11.7	Sandeel habitat suitability based on sediment PSA	
	Figure 11.8	VI Tope and Thornback Ray Nursery Grounds (Source Ellis et al 2010)	
	Figure 11.9	Sole spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.10	Plaice spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.11	Lemon sole spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.12	Mackerel spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.13	Sandeel spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.14	Cod spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.15	Whiting spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.16	Sprat spawning and nursery grounds and noise impact contours (186 dB)	
	Figure 11.17	Herring spawning and nursery grounds and noise impact ranges (186 dB) (Downs herring closest piling location)	
	Figure 11.18	Herring spawning and nursery ground and noise impact ranges (186 dB) (Blackwater herring closest piling location)	
	Figure 11.19	Tope and thornback ray nursery grounds and noise impact contours (186 dB)	

OFFSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES	
12 Marine Mammals	Figure 12.1	Grey seal at sea mean densities and haul-out sites	<i>Appendix 12.1 Marine Mammal Baseline</i> <i>Appendix 12.2 Underwater Noise Modelling Report</i> <i>Appendix 12.3 Underwater Noise Technical Assessment</i> <i>Appendix 12.4 Unexploded Ordnance Clearance Information and Assessment</i> <i>Appendix 12.5 Marine Mammal Cumulative Assessment Screening</i>
	Figure 12.2	Harbour seal at sea mean densities and haul-out sites	
	Figure 12.3	PTS ranges for monopiles for all marine mammal species	
	Figure 12.4	PTS ranges for jacket pin piles, for all marine mammal species	
	Figure 12.5	TTS ranges for monopiles, for all marine mammal species	
	Figure 12.6	TTS ranges for jacket pin piles, for all marine mammal species	
	Figure 12.7	5dB underwater noise contours for monopiles with harbour porpoise densities	
	Figure 12.8	5dB underwater noise contours for jacket pin piles with harbour porpoise densities	
	Figure 12.9	5dB underwater noise contours for monopiles with minke whale densities	
	Figure 12.10	5dB underwater noise contours for jacket pin piles with minke whale densities	
	Figure 12.11	5dB underwater noise contours for monopiles with grey seal densities	
	Figure 12.12	5dB underwater noise contours for jacket pin piles with grey seal densities	
	Figure 12.13	5dB underwater noise contours for monopiles with harbour seal densities	
	Figure 12.14	5dB underwater noise contours for jacket pin piles with harbour seal densities	
13 Offshore Ornithology	Figure 13.1	Offshore ornithology study area	<i>Appendix 13.1 Consultant Responses</i> <i>Appendix 13.2 Offshore Ornithology Technical Report</i> <i>Appendix 13.3 Supplementary information for the offshore ornithology cumulative and in combination assessment</i>
	Figure 13.2	Offshore wind farms in the study area	

OFFSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES	
14 Commercial Fisheries	Figure 14.1	Commercial Fisheries Study Area	<i>Appendix 14.1 Commercial Fisheries Technical Report</i>
	Figure 14.2	Surveillance Sightings by Nationality (2011 - 2020) (Source: MMO 2021)	
	Figure 14.3	Surveillance Sightings by Method (2011 - 2020) (Source: MMO, 2021)	
	Figure 14.4	Historic Fishing Rights	
	Figure 14.5	UK Landings (£) by Method (Average 2016 - 2020) (Source: MMO, 2021)	
	Figure 14.6	UK Landings (£) by Species (Average 2016 - 2020) (Source: MMO, 2021)	
	Figure 14.7	KEIFCA Surveillance Sightings (2015-2020) (Source: KEIFCA, 2022)	
	Figure 14.8	Anonymised Potting Grounds from Consultation (Source: Appendix 14.1)	
	Figure 14.9	Anonymised Netting (Drift Nets, Set Nets, Gillnets, Trammel Nets) Grounds from Consultation (Source: Appendix 14.1)	
	Figure 14.10	Anonymised Trawling Grounds from Consultation (Source: Appendix 14.1)	
	Figure 14.11	Anonymised Longlining Grounds from Consultation (Source: Appendix 14.1)	
	Figure 14.12	HHFA Fishing Grounds from Consultation (Source: BMM, 2022)	
	Figure 14.13	UK Landings (£) by Vessel Length (Average 2016 - 2020) (Source: MMO, 2021)	
	Figure 14.14	UK VMS (£) Beam Trawls (Average 2016 - 2020) (Source, MMO, 2021)	
	Figure 14.15	UK VMS (£) Bottom Otter Trawls (Average 2016 - 2020) (Source: MMO, 2021)	
	Figure 14.16	UK VMS (£) Pots and Traps (Average 2016 - 2020) (Source: MMO, 2021)	
	Figure 14.17	Belgian Surveillance Sightings (2011 - 2020) (Source: MMO, 2021)	
	Figure 14.18	Belgian Landings (tonnes) by Method (Average 2012 - 2016) (Source: STECF, 2017)	
	Figure 14.19	Belgian Landings (tonnes) by Species (Average 2012 - 2016) (Source: STECF, 2017)	
	Figure 14.20	Belgian VMS (€) Beam Trawls (Average 2010 - 2014) (Source: ILVO, 2015)	
	Figure 14.21	Belgian VMS (€) Demersal Trawls (Average 2010 - 2014) (Source: ILVO, 2015)	
	Figure 14.22	Belgian VMS (€) Seine Nets (Average 2010 - 2014) (Source: ILVO, 2015)	
	Figure 14.23	Dutch Surveillance Sightings (2011 - 2020) (Source: MMO, 2021)	
	Figure 14.24	Dutch Landings (€) by Method (Average 2017 - 2021) (WUR, 2022)	
	Figure 14.25	Dutch Landings (€) by Species (Average 2017 - 2021) (Source: WUR, 2022)	
	Figure 14.26	Dutch VMS (€) Beam Trawls Vessels Over 12m (Average 2017 - 2021) (Source: WUR, 2022)	
	Figure 14.27	Dutch VMS (€) Seine Nets Vessels Over 12m (Average 2017 - 2021) (Source: WUR, 2022)	
	Figure 14.28	French Surveillance Sightings by Method (2011 -2020) (Source: MMO, 2021)	

OFFSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES
14 Commercial Fisheries (Continued)	Figure 14.29	French Landings (tonnes) by Method (Annual Average 2012 - 2016) (Source: STECF, 2017)
	Figure 14.30	French Landings (tonnes) by Species (Annual Average 2012 - 2016) (Source: STECF, 2017)
	Figure 14.31	AIS Tracks of a 22m Potting Vessel Fishing within Hornsea One
	Figure 14.32	AIS Tracks of a 30m Beam Trawler Fishing within Walney Extension
	Figure 14.33	AIS Tracks of a 20m Trawler Undertaking an Overtrawl Survey within Beatrice
	Figure 14.34	AIS Tracks of a 33m Scallop Dredger Fishing within Moray East and Beatrice
	Figure 14.35	Marine Protected Areas – Cumulative Effects
	Figure 14.36	Aggregate Site Agreements – Cumulative Effects
	Figure 14.37	Existing or Planned Windfarms – Cumulative Effects
	Figure 14.38	All Cumulative Effect Considerations
	Figure 14.39	Developments Screened into the Cumulative Effects Assessment for Commercial Fisheries
	Figure 14.40	Offshore Wind Farm Projects of Relevance to Commercial Fisheries
	Figure 14.41	MPAs with Bottom Towed Gear Prohibition Byelaws of Relevance to Commercial Fisheries
	Figure 14.42	Aggregate Extraction Sites of Relevance to Commercial Fisheries
	Figure 14.43	Interconnector Cables of Relevance to Commercial Fisheries
	Figure 14.44	UK VMS Value (£) Demersal Trawls / Seine Nets (average 2016-2020) and Cumulative Projects
	Figure 14.45	Belgian VMS by Value (€) Beam Trawls (average 2010-2014) and Cumulative Projects
	Figure 14.46	Belgian VMS by Value (€) Demersal Trawls (average 2010-2014) and Cumulative Projects
	Figure 14.47	Dutch VMS by Value (€) Beam Trawls (average 2017-2021) and Cumulative Projects
	Figure 14.48	Dutch VMS by Value (€) Seine Nets (average 2017-2021) and Cumulative Projects
Figure 14.49	French Surveillance Sightings (2011-2020) and Cumulative Projects	

OFFSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES
15 Shipping and Navigation	Figure 15.1	Overview of the study area
	Figure 15.2	Navigational features
	Figure 15.3	Vessel traffic survey data by type.
16 Offshore Archaeology and Cultural Heritage	Figure 16.1	Records of offshore heritage assets
	Figure 16.2	Records of intertidal heritage assets
	Figure 16.3	Historic seascape character and constructed/proposed developments
	Figure 16.4	Historic seascape character – previous sub types
	Figure 16.5	Paleogeographic features
17 Aviation and Radar	Figure 17.1	Airports and Radars within the Aviation Study Area
	Figure 17.2	Airspace within the Aviation Study Area
18 Infrastructure and Other Users	Figure 18.1	Offshore Wind Farms
	Figure 18.2	Offshore Activities
		<i>Appendix 15.1</i> <i>Baseline Navigational Risk Assessment (NRA)</i>
		<i>Appendix 16.1</i> <i>North Falls Offshore Wind Farm and Offshore Cable Corridor Archaeological Assessment of Geophysical Data</i>
		<i>Appendix 17.1</i> <i>Airspace Analysis and Radar Modelling</i> <i>Appendix 17.2</i> <i>Southend Airport Instrument Flight Procedure Assessment</i>
		N/A

ONSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES	
19 Onshore Ground Conditions and Contamination	Figure 19.1	Onshore Project Area	<i>Appendix 19.1 Volume III Geo-Environmental Desk study and Preliminary Risk Assessment Report</i>
	Figure 19.2	Identified Waste Facilities	
	Figure 19.3	Environmentally Sensitive Areas and Cultural Designations	
	Figure 19.4	Geological Environmentally Sensitive Areas	
	Figure 19.5	Potentially Contaminative Historical Land Uses	
	Figure 19.6	Identified Source Protection Zones	
20 Air Quality	Figure 20.1	Air Quality Study Area	<i>Appendix 20.1 Construction Dust and Particulate Matter Assessment Methodology</i> <i>Appendix 20.2 Air Quality Assessment Traffic Data</i> <i>Appendix 20.3 Ecological Receptor Assessment Table</i>
	Figure 20.2	Air Quality Construction Dust and Fine Particulate Matter Buffers	
	Figure 20.3	Air Quality Construction Phase Road Traffic Emissions – Human Receptor Locations	
	Figure 20.4	Air Quality Construction Phase Road Traffic Emissions – Ecological Receptor Locations	
21 Water Resources and Flood Risk	Figure 21.1	Surface Water Catchments	<i>Appendix 21.1 Geomorphology Baseline Survey</i> <i>Appendix 21.2 Water Framework Directive Compliance Assessment</i> <i>Appendix 21.3 Flood Risk Assessment</i>
	Figure 21.2	Groundwater Features	
	Figure 21.2	Flood Risk	
22 Land Use and Agriculture	Figure 22.1	Land Use and Agriculture Study Area	N/A
	Figure 22.2	Land Use Cover Map	
	Figure 22.3	Agri-Environment Schemes	
	Figure 22.4	Agricultural Land Classifications (ALC)	
	Figure 22.5	Soil Types	
	Figure 22.6	Utilities	

ONSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES	
23 Onshore Ecology	Figure 23.1	Designates sites for Nature Conservation	<i>Appendix 23.1 Extended Phase 1 Habitat Survey Report</i> <i>Appendix 23.2 Great Crested Newt eDNA Survey Report</i> <i>Appendix 23.3 Riparian Mammals (Water Vole and Otters) Survey Report</i> <i>Appendix 23.4 Reptile Survey Report</i> <i>Appendix 23.5 Hazel Dormice</i> <i>Appendix 23.6 Terrestrial and Aquatic Invertebrate Survey Report</i> <i>Appendix 23.7 National Vegetation Classification Survey Report</i>
	Figure 23.2	Habitats of Principal Importance	
	Figure 23.3	Extended Phase 1 Habitat Survey	
	Figure 23.4	Badger Sett Locations [confidential]*	
	Figure 23.5	Features suitable for supporting roosting and commuting/foraging bats	
	Figure 23.6	Watercourses suitable for supporting large populations of reptile	
	Figure 23.7	Great crested newt survey results	
	Figure 23.8	Features suitable for supporting large populations of reptiles	
	Figure 23.9	Features suitable for supporting hazel dormice	
24 Onshore Ornithology	Figure 24.1	Onshore Ornithology Study Area: Landfall	<i>Appendix 24.1 Onshore Landfall Area: 2020/21 Non-breeding Bird Surveys Report</i> <i>Appendix 24.2 Onshore Landfall Area: 2021 Breeding Bird Surveys Report</i> <i>Appendix 24.3 Onshore Landfall Area: 2021/22 Non-breeding Bird Surveys Report</i> <i>Appendix 24.4 Onshore Cable Corridor(s): Non-breeding Bird Surveys 2021/22 Report</i> <i>Appendix 24.5 Onshore Cable Corridor(s): 2022 Breeding Bird Survey Report</i>
	Figure 24.2	Onshore Ornithology Study Area: Onshore Cable Corridor(s)	
	Figure 24.3	Landfall Search Area: Breeding Bird Survey Results 2021	
	Figure 24.4	Landfall Search Area: Breeding Bird Survey Results 2022	
	Figure 24.5	Landfall Search Area: Brent Geese and White-fronted Geese	
	Figure 24.6	Landfall Search Area: Other Goose Species	
	Figure 24.7	Landfall Search Area: Duck Species	
	Figure 24.8	Onshore Cable Corridor(s): Geese	
	Figure 24.9	Onshore Cable Corridor(s): Wader IOFs	
	Figure 24.10	Onshore Cable Corridor(s): Other Wader Species	
	Figure 24.11	Onshore Cable Corridor(s): Duck Species	
	Figure 24.12	Onshore Cable Corridor(s): Raptor and Owl Species	
	Figure 24.13	Onshore Cable Corridor(s): Corn Bunting and Grey Partridge.	
	Figure 24.14	Breeding Barn Owl Locations [confidential]*	

ONSHORE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES
25 Onshore Archaeology and Cultural Heritage	Figure 25.1	Location of designated heritage assets within the study area
	Figure 25.2	Location of non-designated heritage assets within the study area
26 Noise and Vibration	Figure 26.1	Substation Noise and Vibration Sensitive Receptors and Monitoring Locations
	Figure 26.2	Landfall Noise and Vibration Sensitive Receptors and Monitoring Locations
	Figure 26.3	Construction Road Traffic Noise and Vibration Sensitive Receptors
	Figure 26.4	(a-i) NVSR with the Potential to Experience Significant Effects due to Noise of Site Preparation Works along the Cable Corridor, Without Screening
	Figure 26.5	(a-i) NVSR with the Potential to Experience Significant Effects due to the Noise of Trench Excavations, Duct Installation and Trench Backfill Works along the Cable Corridor, Without Screening
	Figure 26.6	(a-i) NVSR with the Potential to Experience Significant Effects due to Noise of Site Preparation Works along the Cable Corridor, With Screening
	Figure 26.7	(a-i) NVSR with the Potential to Experience Significant Effects due to the Noise of Trench Excavations, Duct Installation and Trench Backfill Works along the Cable Corridor, With Screening
27 Traffic and Transport	Figure 27.1	Traffic and Transport Study Area
	Figure 27.2	Proposed Access and Crossings
	Figure 27.3	Sensitive Receptors – Highway Safety
	Figure 27.4	Proposed Onshore Cable Route Crossing Locations
	Figure 27.5	Link Based Sensitive Receptors

PROJECT-WIDE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES
28 Human Health	Figure 28.1	Human Health Study Area – Geographic Area Classifications
	Figure 28.2	Human Health Study Area – IMD 2019 for Project LSOAs
29 Seascape, Landscape and Visual (SLVIA)	Figure 29.1.1	Seascape, Landscape and Visual Impact Assessment Study Area
	Figure 29.1.2a	Blade Tip Height Zone of Theoretical Visibility and Viewpoint Locations (A3)
	Figure 29.1.2b	Blade Tip Height Zone of Theoretical Visibility and Viewpoint Locations (A1)
	Figure 29.1.3a	Hub Height Zone of Theoretical Visibility and Viewpoint Locations (A3)
	Figure 29.1.3b	Hub Height Zone of Theoretical Visibility and Viewpoint Locations (A1)
	Figure 29.1.4a	Seascape and Landscape (National) Character Types
	Figure 29.1.4b	Volume II Seascape and Landscape (National) Character Types with Blade Tip Height Zone of Theoretical Visibility
	Figure 29.1.5a	Landscape Character Types (District and County)
	Figure 29.1.5b	Landscape Character Types (District and County) with Blade Tip Height Zone of Theoretical Visibility
	Figure 29.1.6a	Designated Landscapes
	Figure 29.1.6b	Designated Landscapes with Blade Tip Height Zone of Theoretical Visibility
	Figure 29.1.7	Volume II Visibility Range
	Figure 29.1.8	Operational, Consented, Proposed and Scoping Onshore Wind Farms within 60km
	Figure 29.1.9a	Comparative ZTV (Operational Offshore Schemes vs North Falls)
	Figure 29.1.9b	Comparative Cumulative ZTV (Operational, Consented and proposed vs North Falls)
		Viewpoint visualisations
	Figure 29.2.1	Viewpoint 1 - Covehithe
Figure 29.2.2	Viewpoint 2 - Southwold Pier	
Figure 29.2.3	Viewpoint 3 - Dunwich Coastguard Cottages	
Figure 29.2.4	Viewpoint 4 - Sizewell Beach	
Figure 29.2.5	Viewpoint 5 - Cliffs above Thorpeness	
Figure 29.2.6	Viewpoint 6 - Aldeburgh	
Figure 29.2.7	Viewpoint 7 - Orford Castle	
Figure 29.2.8	Viewpoint 8 - Orford Ness	
Figure 29.2.9	Viewpoint 9 - Shingle Street	
Figure 29.2.10	Viewpoint 10 - Pulhamite Cliffs (Bawdsey Manor)	
Figure 29.2.11	Viewpoint 11 - Felixstowe Seafront Gardens	
Figure 29.2.12	Viewpoint 12 - Landguard Fort	
Figure 29.2.13	Viewpoint 13 - Naze Tower	
Figure 29.2.14	Viewpoint 14 - Frinton on Sea	
Figure 29.2.15	Viewpoint 15 - Clacton on Sea	
Figure 29.2.16	Viewpoint 16 - North Foreland	
Figure 29.2.17	Viewpoint 17 - Coastal Path between Thorpeness and Sizewell (Wireline View)	

PROJECT-WIDE CHAPTERS

VOLUME I PEIR TECHNICAL CHAPTERS	VOLUME II FIGURES	VOLUME III APPENDICES
30 Landscape and Visual (LVIA)	Chapter 30: LVIA Figures:	N/A
	Figure 30.1.1a Landscape and Visual Impact Assessment Study Area (substation zone)	
	Figure 30.1.1b Landscape and Visual Impact Assessment Study Area (cable corridors)	
	Figure 30.1.2 Substation Zone of Theoretical Visibility (18m in height) and Viewpoint Locations	
	Figure 30.1.3 Landscape Character Types	
	Figure 30.1.4 Designated Landscapes	
	Figure 30.1.5 Proposed Substations within 2km	
	Chapter 30: LVIA Viewpoint visualisations	
	Figure 30.2.1 Viewpoint 1 - Court Farm, Stutton Road	
	Figure 30.2.2 Viewpoint 2 - Bridleway at Barn Lane	
	Figure 30.2.3 Viewpoint 3 - Norman's Farm	
	Figure 30.2.4 Viewpoint 4 - Little Bromley (road to west)	
	Figure 30.2.5 PRoW near Lilley's Farm	
	Figure 30.2.6 Grange Road (and PRoW to north)	
Figure 30.2.7 PRoW near Little Bromley Hall		
31 Socio-Economics	Figure 31.1 UK and local study area	<i>Appendix 31.1 North Falls Offshore Wind Farm Economic Impact</i>
	Figure 31.2. Onshore cable corridor and LOCAI study area	
	Figure 31.3 Key social, community and health facilities within the LOCAI	
	Figure 31.4. Onshore Cable Corridor and LOCAI study area	
32 Tourism and Recreation	Figure 32.1 Tourism and recreation onshore study area	N/A
	Figure 32.2 Sailing and yachting clubs along the Essex and Suffolk Coastline	
	Figure 32.3 Notable coastal tourism and recreation assets	
	Figure 32.4 PRoW and other non-motorised routes	
	Figure 32.5 Camping and caravanning sites open access lands	
33 Climate Change	N/A	<i>Appendix 33.1 Greenhouse Gas Assessment Methodology</i>

ASSOCIATED DOCUMENTS

DOCUMENT	ASSOCIATED APPENDICES
<i>Report to Inform Appropriate Assessment (RIAA)</i>	Appendix 1 Habitats Regulations Assessment (HRA) Screening Appendix 2 Modelling the abundance of red-throated divers
<i>Offshore Ornithology In Principle Compensation Options Review</i>	N/A
<i>Marine Conservation Zone (MCZ) Assessment Preliminary Stage 1 Assessment</i>	Appendix 1 MCZ Assessment Screening Report Appendix 2 MCZA Sensitivity Ranges Appendix 3 MCZ In Principle Measures of Equivalent Environmental Benefit Review (MEEB)
<i>Onshore Substation Design Vision</i>	N/A
<i>Schedule of Mitigation</i>	N/A

* Information within these documents has been redacted. If you require the unredacted versions please email contact@northfallsoffshore.com

CONTACT US

Telephone: 0800 254 5340

Email: contact@northfallsoffshore.com

Post: FREEPOST North Falls



NORTH FALLS

Offshore Wind Farm





NORTH FALLS

Offshore Wind Farm



CONTACT US

Website: www.northfallsoffshore.com
Telephone: 0800 254 5340
Email: contact@northfallsoffshore.com
Post: FREEPOST North Falls