



NORTH FALLS

Offshore Wind Farm

ENVIRONMENTAL STATEMENT

Chapter 30 – Figures (Part 6 of 6)

Document Reference:	3.2.26
Volume:	3.2
APFP Regulation:	5(2)(a)
Date:	July 2024
Revision:	0

Project Reference: EN010119



NORTH FALLS

Offshore Wind Farm

Project	North Falls Offshore Wind Farm
Document Title	Environmental Statement Chapter 30 - Figures
Document Reference	3.2.26
APFP Regulation	5(2)(a)
Supplier	Royal HaskoningDHV
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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
0	July 2024	Submission	LUC	NFOW	NFOW



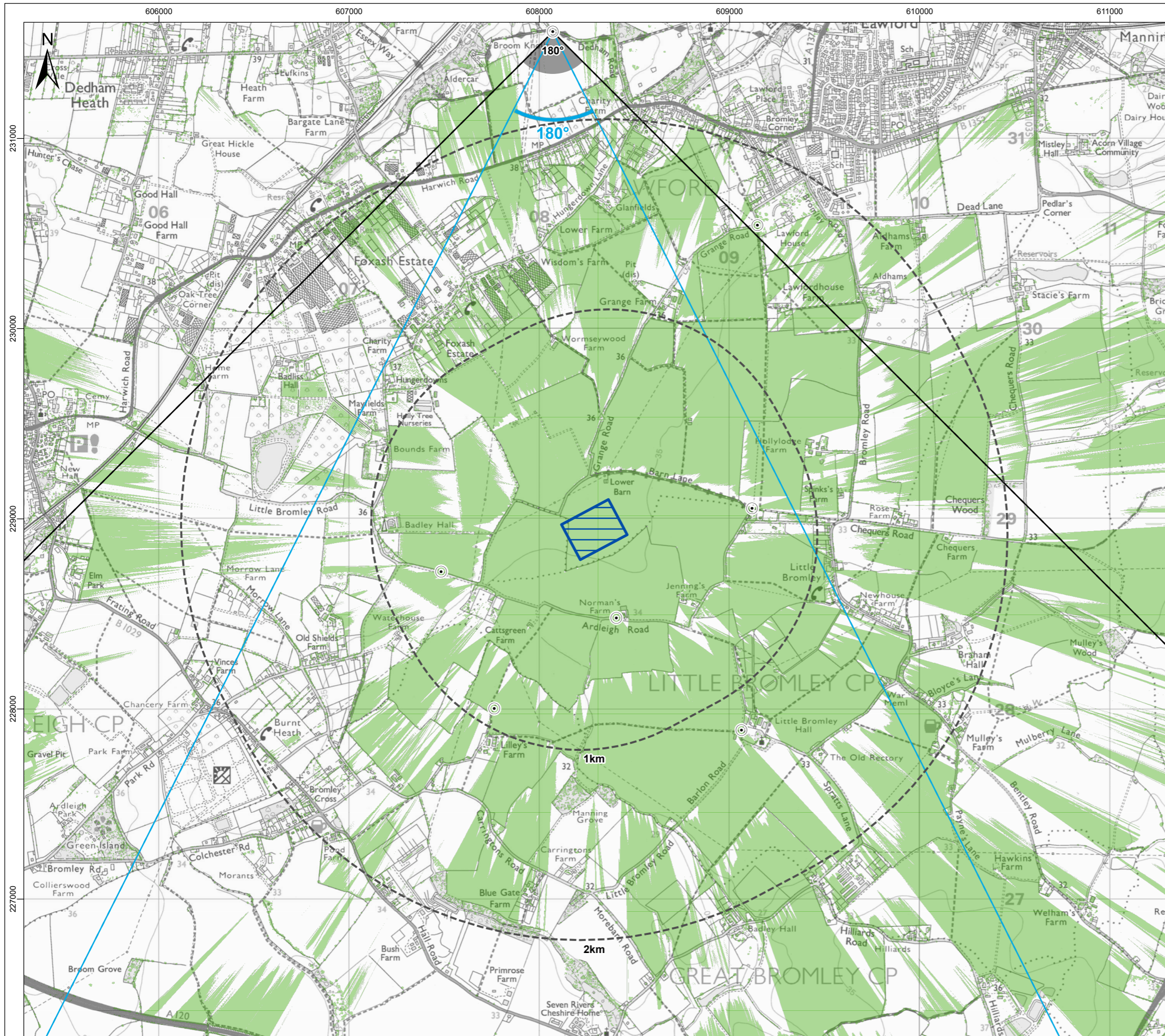
Visualisation showing North Falls substation, including year 15 planting - (53.5 degree view)



OS reference:	609063 E 227889 N
AOD (Above Ordnance Datum):	34.1 m
Direction of view:	322°
Distance to proposed substation :	1.19 km

Horizontal field of view:	53.5° (planar projection)
Vertical field of view:	18.2°
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D750
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	18/05/2022 11:26



Legend

- North Falls Substation Operational Footprint
- Substation Operational Footprint 1km Interval Buffer
- Theoretical Visibility of Substation Components
- Viewpoint
- 53.5° Field of View
- 90° Field of View

Notes

The ZTV is calculated to a height of 18m (lightning masts) for the substation operational footprint, from a viewing height of 1.5m above ground level.

The digital surface model (DSM) used is LIDAR 1m (2022) data (obtained from DEFRA in December 2023). A DSM includes a surface model of trees, buildings and hedges. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.2 software.



Data Source: OS, LUC, RHDHV

Drawing Title

Viewpoint 8 - Essex Way, Dedham Road

Rev	Date	Remarks	Drwn	Chkd
03	12/12/2022	Third issue	RW	JN
02	14/11/2022	Second Issue	RW	JN
01	28/09/2022	First issue	RW	JN

Drawing Number PB9244-LUC-ZZ-ON-DR-GS-0052	Figure Number 30.2.8
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Scale 1:20,000	Plot Size A3	Datum OSGB36	Projection BNG
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Baseline photograph - Winter



OS reference:	608071 E 231561 N
AOD (Above Ordnance Datum):	38.13 m
Direction of view:	180°
Distance to proposed substation :	2.48 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D750
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	13/12/2023 09:12



Visualisation showing cumulative substation - (90 degree view)



OS reference:	608071 E 231561 N
AOD (Above Ordnance Datum):	38.13 m
Direction of view:	180°
Distance to proposed substation :	2.48 km

Horizontal field of view:	90° (cylindrical projection)
Vertical field of view:	27°
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D750
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	13/12/2023 09:12



Visualisation showing North Falls substation - (53.5 degree view)



OS reference:	608071 E 231561 N
AOD (Above Ordnance Datum):	38.13 m
Direction of view:	180°
Distance to proposed substation :	2.48 km

Horizontal field of view:	53.5° (planar projection)
Vertical field of view:	18.2°
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 250 mm

Camera:	NIKON D750
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	13/12/2023 09:12



NORTH FALLS

Offshore Wind Farm



RWE

HARNESSING THE POWER OF NORTH SEA WIND

North Falls Offshore Wind Farm Limited

A joint venture company owned equally by SSE Renewables and RWE.

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