



**NORTH FALLS**

*Offshore Wind Farm*

# **ENVIRONMENTAL STATEMENT**

Chapter 30 – Figures (Part 3 of 6)

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

**Project Reference: EN010119**



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*Offshore Wind Farm*

<b>Project</b>	North Falls Offshore Wind Farm
<b>Document Title</b>	Environmental Statement Chapter 30 - Figures
<b>Document Reference</b>	3.2.26
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<b>Revision</b>	<b>Date</b>	<b>Status/Reason for Issue</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>
0	July 2024	Submission	LUC	NFOW	NFOW



Visualisation showing cumulative development, including year 1 planting - (90 degree view)



OS reference:	608405 E 228479 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	330°
Distance to proposed substation :	0.36 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:	18/05/2022 10:48



Visualisation showing cumulative development, including year 15 planting - (90 degree view)



OS reference:	608405 E 228479 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	330°
Distance to proposed substation :	0.36 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:	18/05/2022 10:48



Visualisation showing North Falls substation, including year 1 planting - (53.5 degree view)



OS reference:	608405 E 228479 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	347°
Distance to proposed substation :	0.36 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 10:48



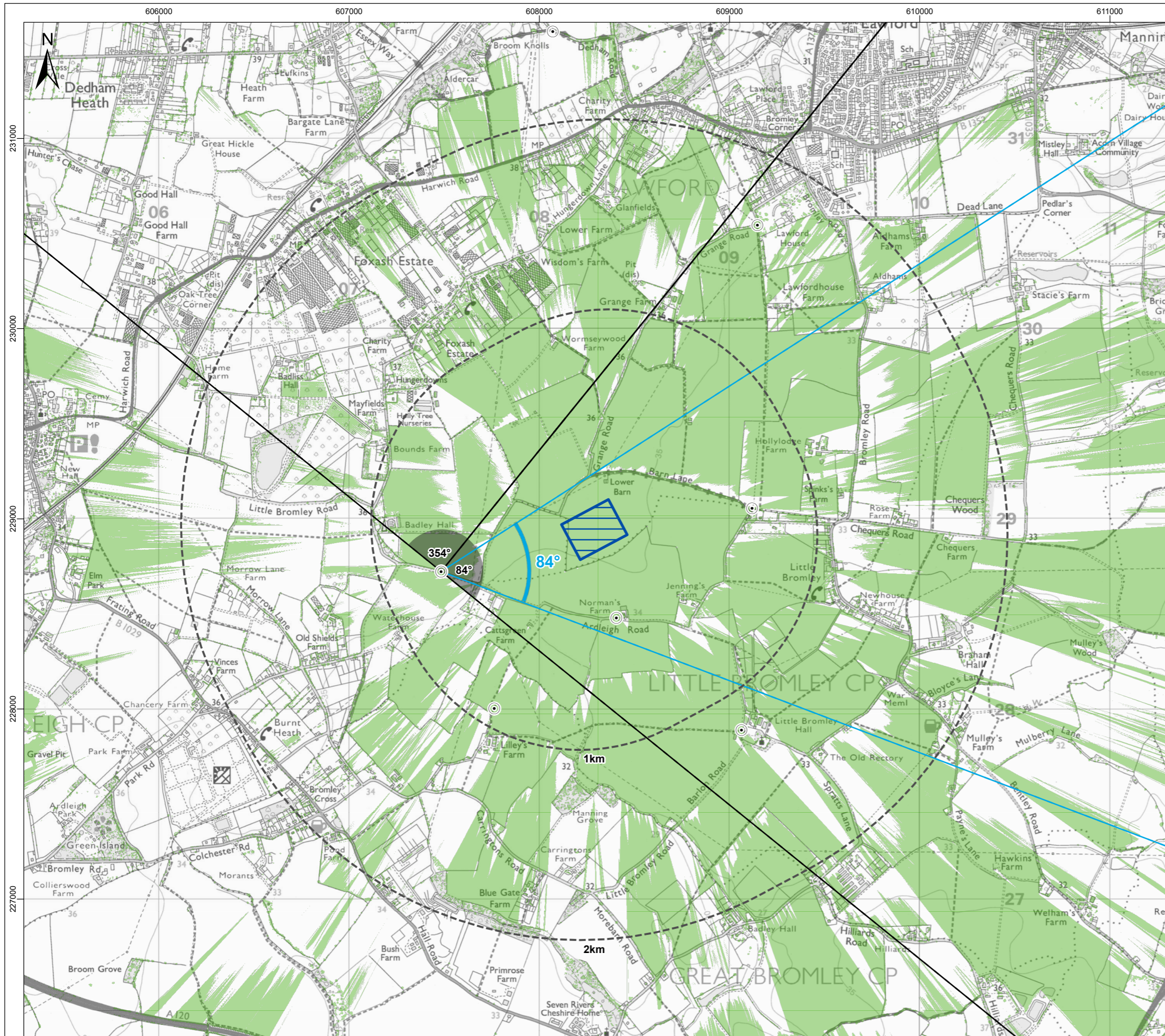
Visualisation showing North Falls, including year 15 planting - (53.5 degree view)



OS reference:	608405 E 228479 N
AOD (Above Ordnance Datum):	34.3 m
Direction of view:	347°
Distance to proposed substation :	0.36 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 10:48



**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

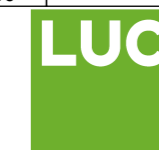
Drawing Title

**Viewpoint 4 - Little Bromley 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 <b>PB9244-LUC-ZZ-ON-DR-GS-0048</b>	Figure Number <b>30.2.4</b>
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Scale 1:20,000	Plot Size A3	Datum OSGB36	Projection BNG
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Baseline photograph - Winter



OS reference:	607484 E 228723 N
AOD (Above Ordnance Datum):	35 m
Direction of view:	354°
Distance to proposed substation :	0.68 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:	11/01/2023 13:22





Baseline photograph - Summer



OS reference:	607484 E 228723 N
AOD (Above Ordnance Datum):	35 m
Direction of view:	354°
Distance to proposed substation :	0.68 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:	18/05/2022 14:24



Extent of East Anglia Coastal Node Substation

Visualisation showing cumulative development - (90 degree view)



OS reference:	607484 E 228723 N
AOD (Above Ordnance Datum):	35 m
Direction of view:	354°
Distance to proposed substation :	0.68 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:	18/05/2022 14:24



Baseline photograph - Winter



OS reference:	607484 E 228723 N
AOD (Above Ordnance Datum):	35 m
Direction of view:	84°
Distance to proposed substation :	0.68 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:	11/01/2023 13:22



Baseline photograph - Summer