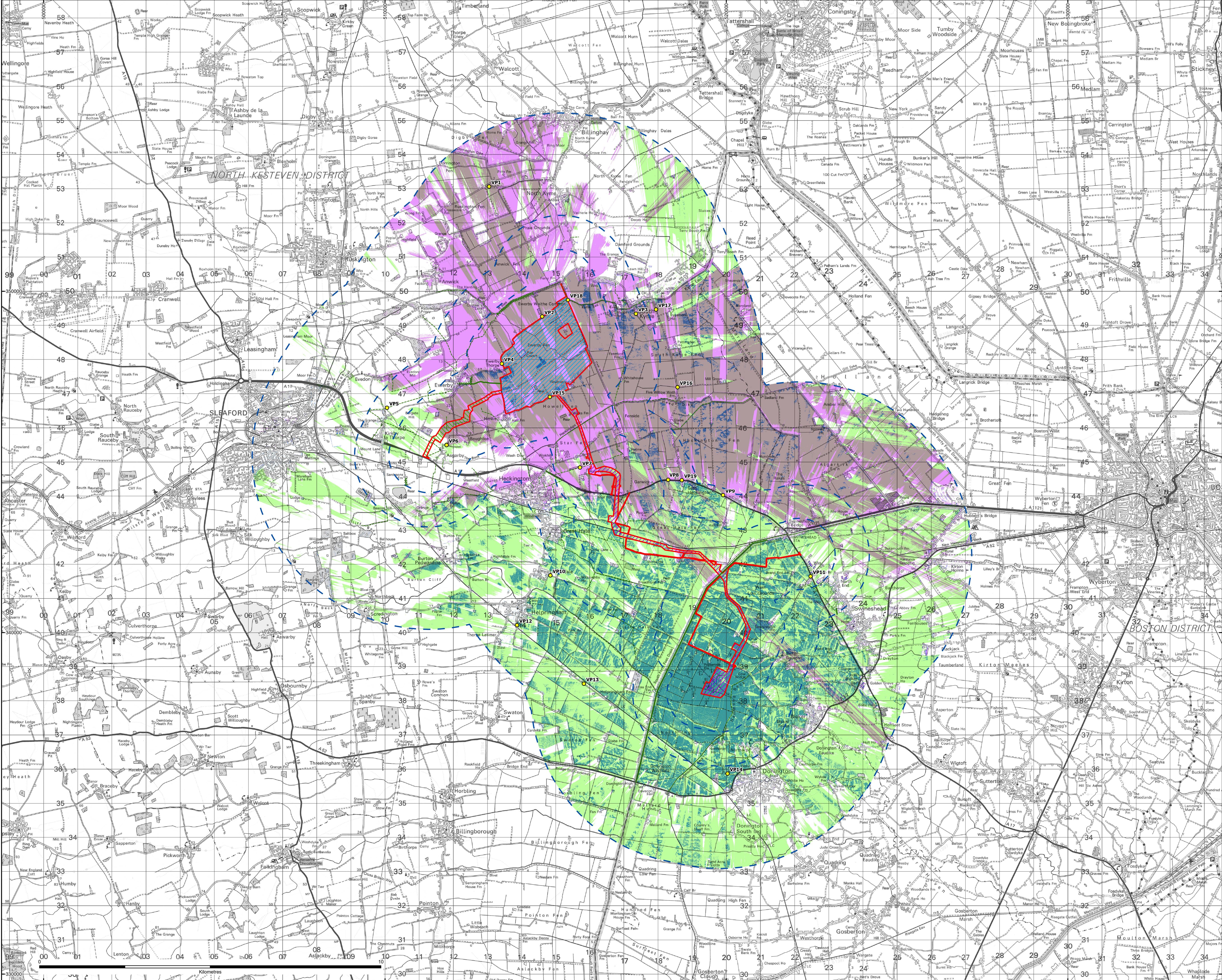




BEACON FEN ENERGY PARK

Planning Inspectorate Reference: EN010151
Change Request Environmental Statement Addendum Figure 4.1 Screened Zone of
Theoretical Visibility
Document Reference: 10.11
December 2025





DCO Order Limits

Solar Array Area

Bespoke Access Corridor

Cable Route Corridor

1, 2 & 5km Search Area

Bridleway

Footpath

Restricted Byway

Bicker Fen Substation

Selected Viewpoints

Screened ZTV - Solar Array Area

Screened ZTV - Proposed Change Pylon

Screened ZTV - Bicker Fen Substation Extension and Proposed Change Pylon

Screened ZTV - Solar Array Area and Proposed Change Pylon

Screened ZTV - Bicker Fen Substation Extension, Solar Array Area and Proposed Change Pylon

VPID	Easting	Northing
1	513048	353062
2	514602	349262
3	517355	349343
4	513421	347876
5	510057	346586
6	511802	345497
7	515716	344841
8	518297	344480
9	519905	344026
10	514842	341675
11	522467	341647
12	513865	340219
13	515830	338498
14	520036	335889
15	514827	346904
16	518572	347188
17	517942	349467
18	515360	349746
19	518697	344470

Notes:

Excluding the DCO Order Limits, boundaries shown are indicative.

DCO Order Limits provided by Ardent Management on 04/02/2025.

© Crown copyright and database rights 2025 Ordnance Survey Licence No. AC0000808122

© Environment Agency copyright and/or database right 2022. All rights reserved. Contains public sector information licensed under the Open Government Licence v3.0.

Generated using a 2m resolution Digital Surface Model (DSM) which is based on DSM data from the Environment Agency, incorporating the proposed Solar PV panels modelled across the site to a maximum anticipated heights of 3.9m and 3.5m. Locations of respective panel heights were determined by the most updated layout received by the Client.

Proposed scheme for the Solar Array Area Zone of Theoretical Visibility (ZTV) is derived from the proposed Solar Array Area with selective reference points included from approximately every 100m on a grid across the full extent of the Solar Array Area.

Proposed scheme for the Substation Extension ZTV is derived from the proposed substation extension information known to date, drawing ref ST19595-382 Land take design options (Bicker Fen substation - Air Insulated Switchgear (AIS) Solution and Cable Sealing End (CSE)), with selective reference points at the top of the proposed substation extension locations.

Proposed scheme for the Proposed Change Pylon ZTV is derived from 15m spaced points across Work Area 5C. The Proposed Change Pylon is modelled 56.206 m above ground level. The Change Request details were obtained from 'Draft Work Plan Areas 14-10-25', provided by the Client.

ZTV data for the Solar Array Area and Substation Extension calculated using QGIS version 3.22.8. The Proposed Change Pylon was calculated using QGIS 3.34.6. Both used the Visibility Analysis tool (Version 1.9.1) with an observer eye 1.8m above ground.

Public Right of Way (PROW) data produced by Lincolnshire County Council (LCC) and accessed on Rowmap.com in shapfile format on 24/01/2025. PROW shapfile data dated 30/09/2024 and may therefore not be up to date. PROW data shown may contain inaccuracies and errors regarding the location, position and/or alignment of PROW, and is not the legal representation of the PROW Definitive Map of Lincolnshire and should therefore not be relied upon. Contains Ordnance Survey data. © Crown copyright and database right 2025. Contains public sector information licensed under the Open Government Licence v3.0.

1

FIRST ISSUE

15/12/25

BL

DS

DS

CLIENT

BEACON FEN ENERGY PARK LTD

PROJECT

BEACON FEN ENERGY PARK

DRAWING TITLE

FIGURE 4.1
SCREENED ZONE OF THEORETICAL VISIBILITY
(ZTV)
(CHANGE REQUEST)

PROJ NO

ST19595-547

REV

1

SUIT CODE

--

PROJ SIZE

A1

SCALE

1:50,000

DATE

15/12/2025

DRAWN BY

BL

CHECKED BY

DS

APPROVED BY

DS

wardell
armstrong

PART OF SLR

© Copyright Reserved N:\ST\ST19595 - Solar PV DCO Bicker Fen\03 - Design\ArcGIS\ST19595-547 Screened Zone of Theoretical Visibility (Change Request)\ST19595-547 Screened Zone of Theoretical Visibility (Change Request).aprx