



Pear tree Hill Solar Farm

Environmental Statement

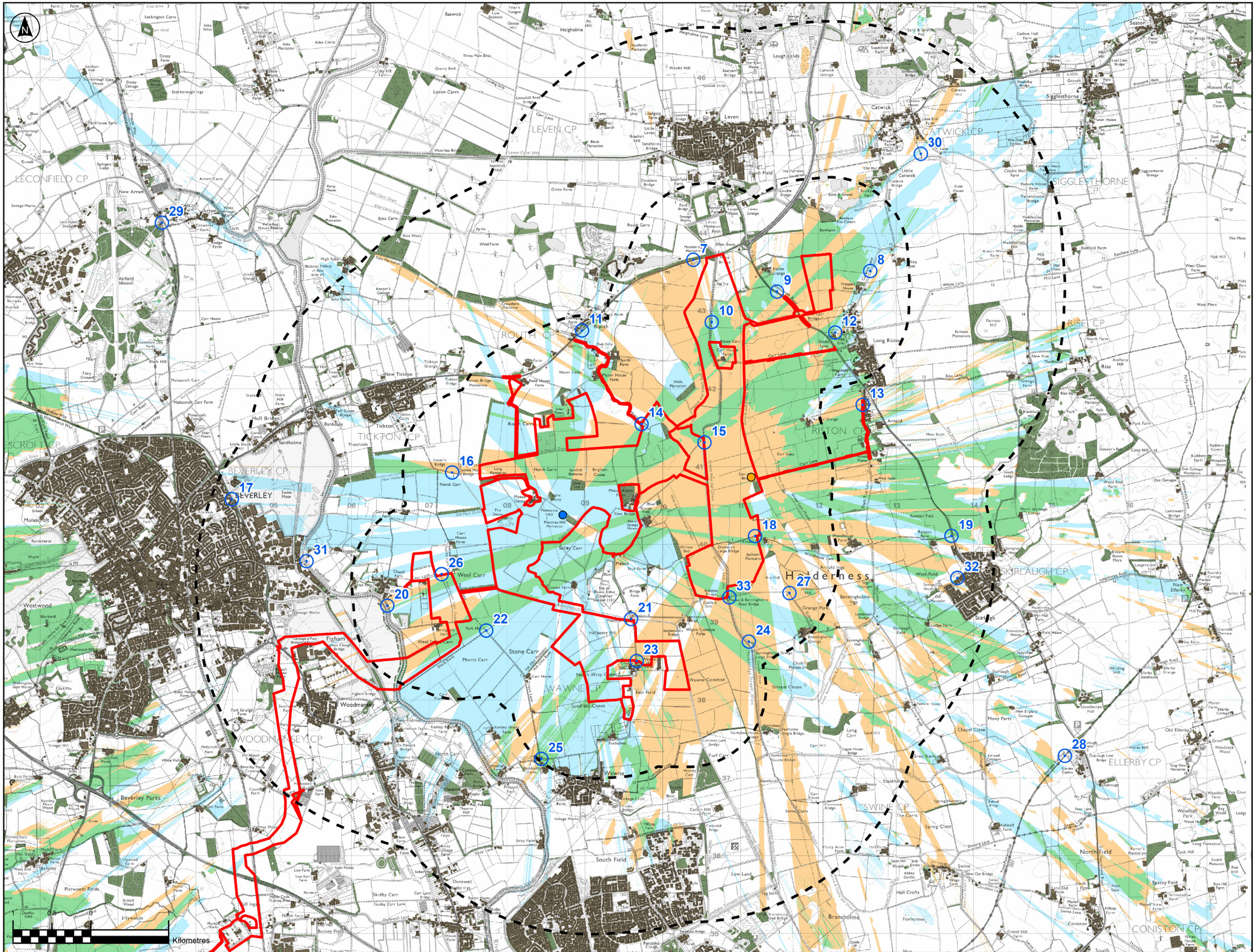
Volume 3

Figure 11.3: Project Substations ZTV

Revision 2

Application Document Ref: EN010157/APP/6.3
September 2025

Planning Act 2008
Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009 –
Regulation 5(2)(a)



- | No. | Viewpoint |
|-----|--|
| 7 | A1035 |
| 8 | Catwick Lane |
| 9 | A165, White Cross Road |
| 10 | Monk Dike (north), PRoW Riston Footpath no.2 |
| 11 | A1035 at Routh |
| 12 | Long Riston Church, PRoW Riston Footpath no.5 |
| 13 | Long Riston (Arnold) |
| 14 | Meaux Lane (north) |
| 15 | Monk Dike (south), PRoW Riston Footpath no.2 |
| 16 | PRoW Tickton Footpath no.6 |
| 17 | A164 eastern edge of Beverley |
| 18 | Woodhouse Lane, PRoW Riston Footpath no.1 |
| 19 | A165 north of Skirlaugh |
| 20 | River Hull at Weel, PRoW Tickton Footpath no.12 |
| 21 | Meaux Lane (south) |
| 22 | PRoW Tickton Bridleway no.5 |
| 23 | Meaux Road at Wawne Grange |
| 24 | Cowdike Drain, PRoW Swine Footpath no.7 |
| 25 | PRoW Wawne Footpath no.11 / Grove Lane |
| 26 | Carr Lane, east of Weel |
| 27 | Kidhill Lane |
| 28 | Trans Pennine Trail |
| 29 | Minster Way |
| 30 | PRoW Catwick Footpath no.3 |
| 31 | Weel Road/ River Hull |
| 32 | Barn Street, Skirlaugh |
| 33 | Meaux and Benningholme Road Bridge, Kidhill Lane |

Order Limits

Project Substation West

Project Substation East

Distance radii from fields hosting solar PV modules (1, 3km)

Viewpoints

Existing woodland (modelled at 10m)

Existing buildings (modelled at 7.5m)

Zone of theoretical visibility (15m high substations)

Substation East may be visible

Substation West may be visible

Both may be visible

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Notes: This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for GIS.

The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands, hedgerows and buildings. A digital surface model (DSM) has been derived from DEFRA 2022 LiDAR 2m DTM height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 10m, representing a conservative estimate of average heights within the study area. Hedgerows have been digitised and modelled with an assumed height of 2m.

The model does not take into account some localised features such as small copses or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m resolution.

Client		Project Name		Drawing Title	
RWE		Peartree Hill Solar Farm		Environmental Statement	
Designer				Volume 3, Figure 11.3:	
RSK				Project Substations	
				ZTV	
Scale at A3		Coordinate System			
1:45,000		British National Grid			
Status		DOB Application			
PBR Number		Rev			
EN010157/APPI6.3		P02			

Rev	Date	By	Chkd	Appd	Authd
P02	03/09/2025	MP	ZF	LY	ZF
P01	05/12/2024	MP	ZF	LY	ZF

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