

Great North Road Solar and Biodiversity Park

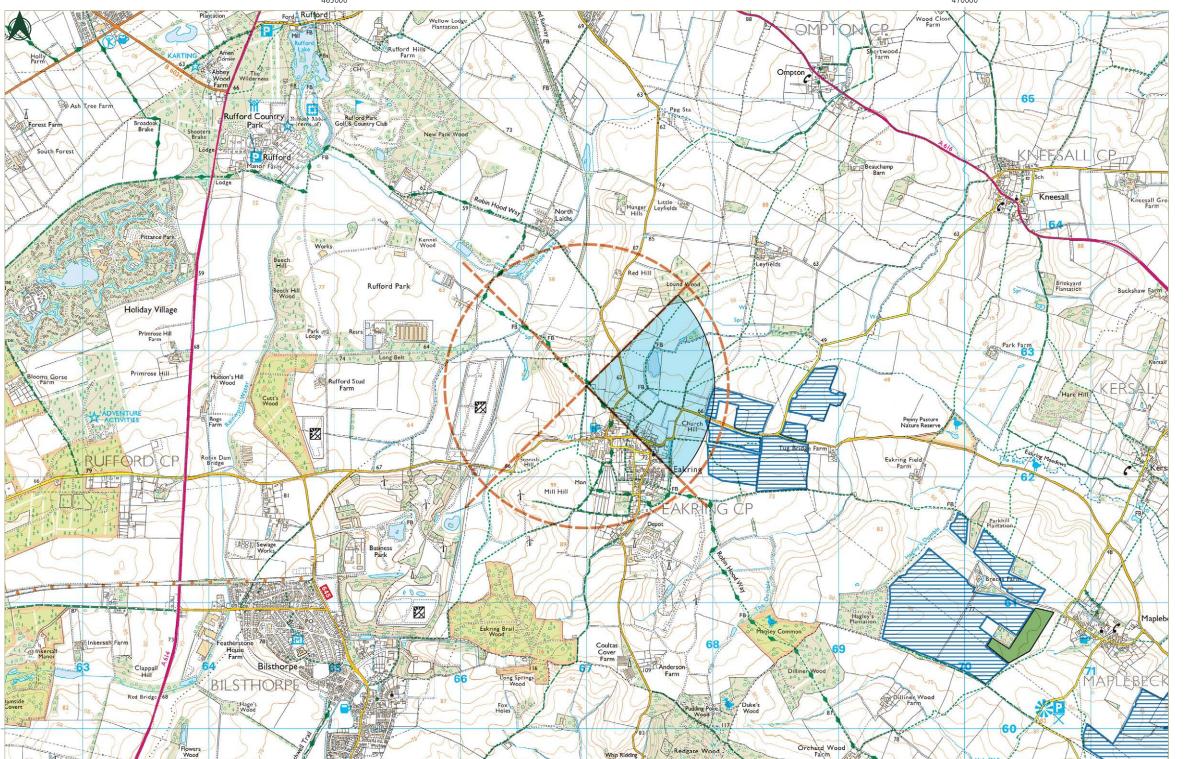
Environmental Statement Volume 3, Chapter 7 Landscape and Visual Impact Assessment Figures (Part 2 of 6)

Document reference – EN010162/APP/6.3.7A

Revision number 2

August 2025

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, APFP Regulation 5(2)(a)



Existing View

This elevated view looks down across gently rolling agricultural fields, separated by hedgerows with trees and the occasional block of woodland. Electricity pylons form a notable feature in the view, particularly to the southwest beyond the houses at Eakring where a variety of pylon types are visible at the National Grid Training Centre. Wind turbines are visible in the nearby fields to the southwest with an additional small-scale turbine visible behind Eakring to the southwest.

Predicted Changes to Views

During construction there would be views of the solar PV areas being installed. The upper parts of one construction compound may be visible located within the solar PV areas. During early operation solar PV areas would be partially visible as a narrow belt across fields to the east, on either side of the road. Once mitigation planting matures hedgerows around the panel areas would slightly reduce the extent of visibility, including of decommissioning activity. Once decommissioned, there would be a small increase in the extent and height of hedgerows around the former solar PV areas.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 1 Robin Hood Way near Eakring

Cardinal views analysis:

planting matures

Visibility once

Key

No solar areas visible from this viewpoint in this direction

Wireline indicates theoretical visibility but would not be discernible in practice

Visibility of solar areas in this direction during summer and winter

Visibility of solar areas in this direction during winter only

S An intermediate substation is visible in this direction of the view, refer to text

M The main 400kV substation is visible in this direction of the view

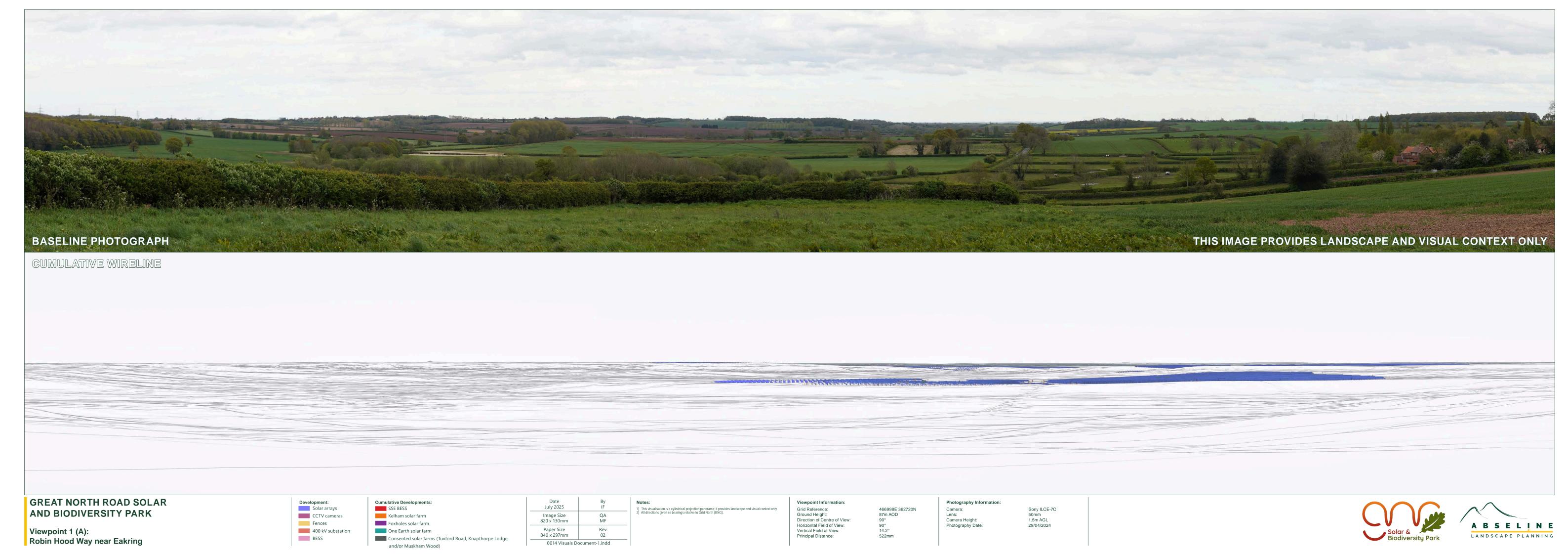
Be The BESS is visible in this direction of the view

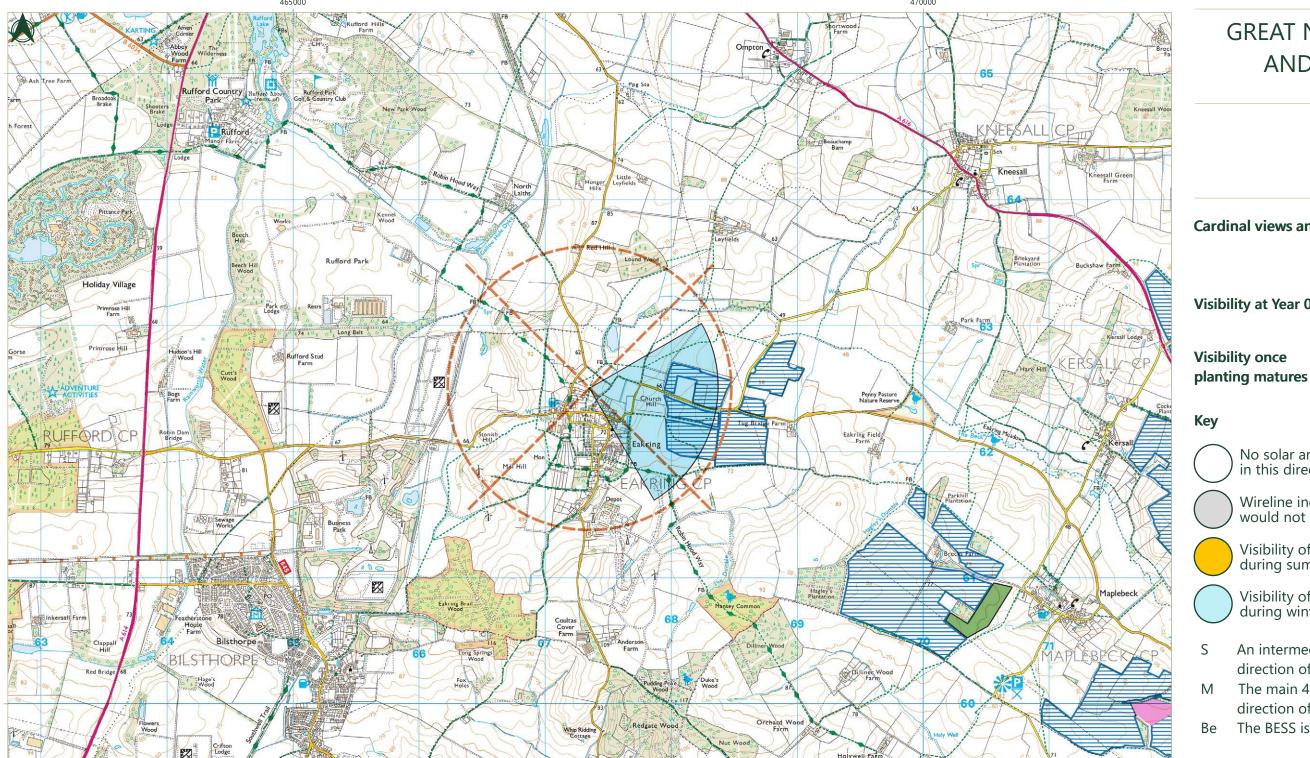
90deg baseline panorama and wireline











This view looks from the edge of Eakring across gently rolling fields separated by hedgerows, trees and blocks of woodland. Electricity pylons are seen crossing the views and houses at Kneesall can be seen on the distant ridgeline. To the south the view looks across residential gardens towards houses at the edge of Eakring.

Predicted Changes to Views

During construction there would be limited visibility, partly screened by trees, of solar PV areas being installed. During early operation there would be limited, glimpsed views of panel tops seen along part of the skyline to the east, and between trees and over the hedge further to the left. Once mitigation planting is fully grown views of the Development would be screened and decommissioning works are unlikely to be visible. Once decommissioned there would be a small increase in the extent and height of hedgerows around the former solar PV areas.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 2 Eakring

Cardinal views analysis:

Visibility at Year 0 Visibility once

Key

No solar areas visible from this viewpoint in this direction

Wireline indicates theoretical visibility but would not be discernible in practice

Visibility of solar areas in this direction during summer and winter

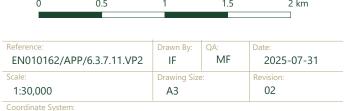
Visibility of solar areas in this direction during winter only

An intermediate substation is visible in this direction of the view, refer to text

The main 400kV substation is visible in this direction of the view

The BESS is visible in this direction of the view

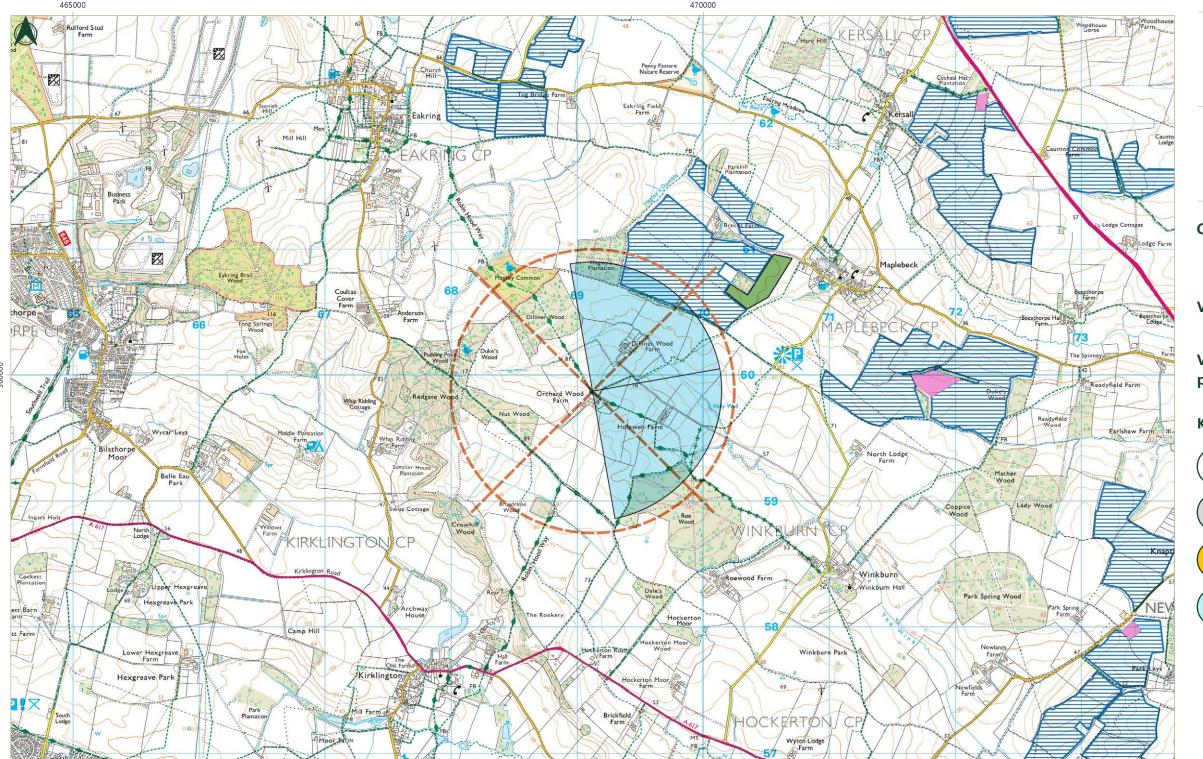
90deg baseline panorama and wireline











This view looks across large fields separated by hedgerows with trees. Woodlands are located across the view which limit long distance views to the north and west. Turbines, electricity pylons and occasional farms are seen across the view. Long distance views are present to the east, where settlement and industry can be seen on the horizon. A hedge along the footpath limits views to the south.

Predicted Changes to Views

If construction of this part of the Development takes place in winter there would be limited visibility of solar PV areas being installed looking through tree branches. During early operation there would be glimpsed views of solar PV areas seen through and behind trees along field boundaries to the north and east. Views would be most noticeable in winter and mostly screened when the trees are in leaf. Once mitigation planting is fully grown there would be a reduction in the extent of glimpsed views, however some views would remain. Views of decommissioning activity would be limited. Once decommissioned, there would be a very small increase in the extent and height of hedgerows around the former solar PV areas within the view and gaps in the existing hedgerows would be filled in.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 3 Robin Hood Way near Orchard Wood Farm

Cardinal views analysis:

Visibility at Year 0



Visibility once planting matures

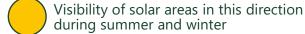




Key

No solar areas visible from this viewpoint in this direction







- An intermediate substation is visible in this direction of the view, refer to text
- The main 400kV substation is visible in this direction of the view
- The BESS is visible in this direction of the view



90deg baseline panorama and wireline

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Reference:	Drawn By:	QA:	Date:
EN010162/APP/6.3.7.11.VP3	IF	MF	2025-07-31
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GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 3 (A): Robin Hood Way near Orchard Wood Farm

Development:

Solar arrays CCTV cameras 400 kV substation

BESS

Cumulative Developments:

SSE BESS Kelham solar farm Consented solar farms (Tuxford Road, Knapthorpe Lodge, and/or Muskham Wood)

Date July 2025 Image Size 820 x 130mm Paper Size 840 x 297mm 0014 Visuals Document-1.indd

Grid Reference: Ground Height:
Direction of Centre of View: Horizontal Field of View: Vertical Field of View: Principal Distance:

469122E 359873N 89m AOD 90° 14.2° 522mm

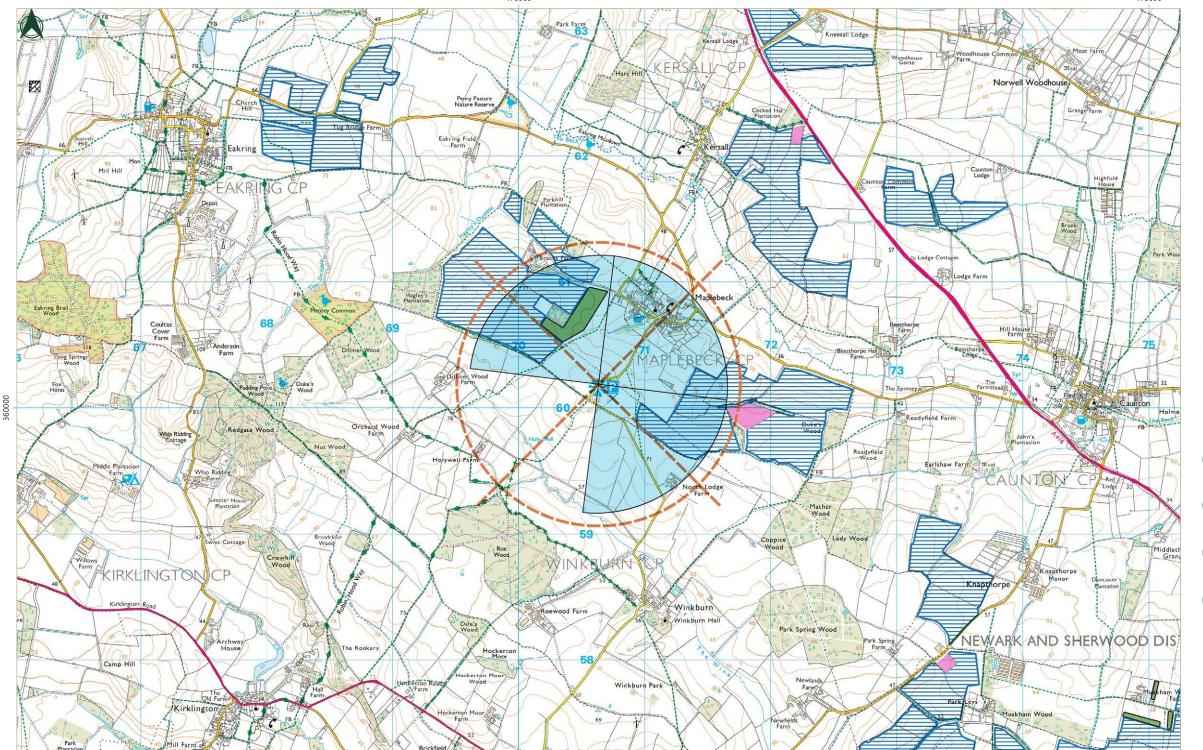
Lens: Camera Height: Photography Date:

Sony ILCE-7C 50mm 1.5m AGL 27/03/2024









Existing View

From this viewpoint and picnic area near Maplebeck, views are limited by the roadside hedgerows which restrict the view in most directions. To the south, a break in the hedgerow and the falling topography allows some views across fields towards individual dwellings. Electricity pylons and overhead lines form a notable feature within the view to the south, crossing the view at two levels; distant wind turbines are visible behind woodland in this direction.

Predicted Changes to Views

During construction and early operation there would be glimpsed visibility of solar PV areas being installed and then in operation within lower-lying fields to the northeast; the closer areas of the Development would be screened by the nearby hedges. Depending on the time of year and the height the nearby hedge is cut to, Mill Lane substation would be visible to the north in front of an area of woodland on the distant hills. Given the elevated views towards solar areas to the northeast, mitigation planting would not notably alter the visibility of the panel areas or decommissioning activity, but would screen the substation once mature. After decommissioning, views would return to be similar to the baseline.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 4 Panoramic Viewpoint near Maplebeck

Cardinal views analysis:

Visibility at Year 0



Visibility once planting matures





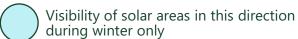


Key

No solar areas visible from this viewpoint in this direction







- S An intermediate substation is visible in this direction of the view, refer to text
- M The main 400kV substation is visible in this direction of the view
- Be The BESS is visible in this direction of the view

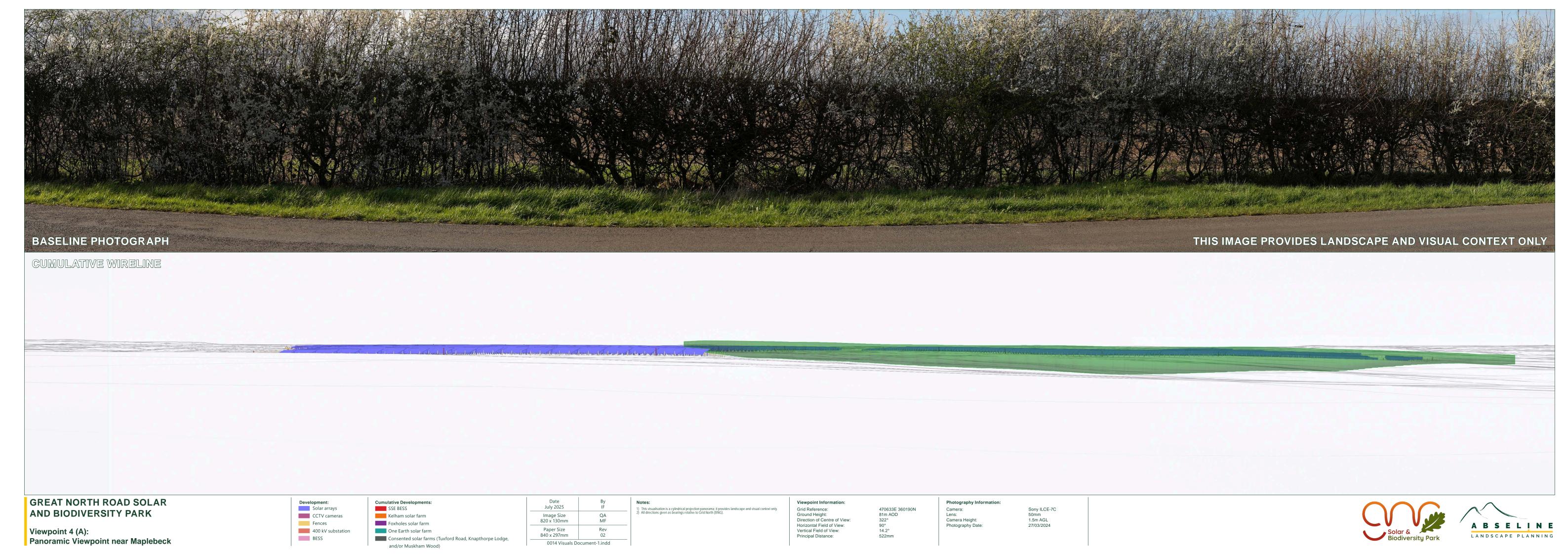


90deg baseline panorama and wireline

Reference: EN010162/APP/6.3.7.11.VP4	Drawn By:	QA:	Date: 2025-07-31
Scale: 1:30,000	Drawing Size:		Revision: 02

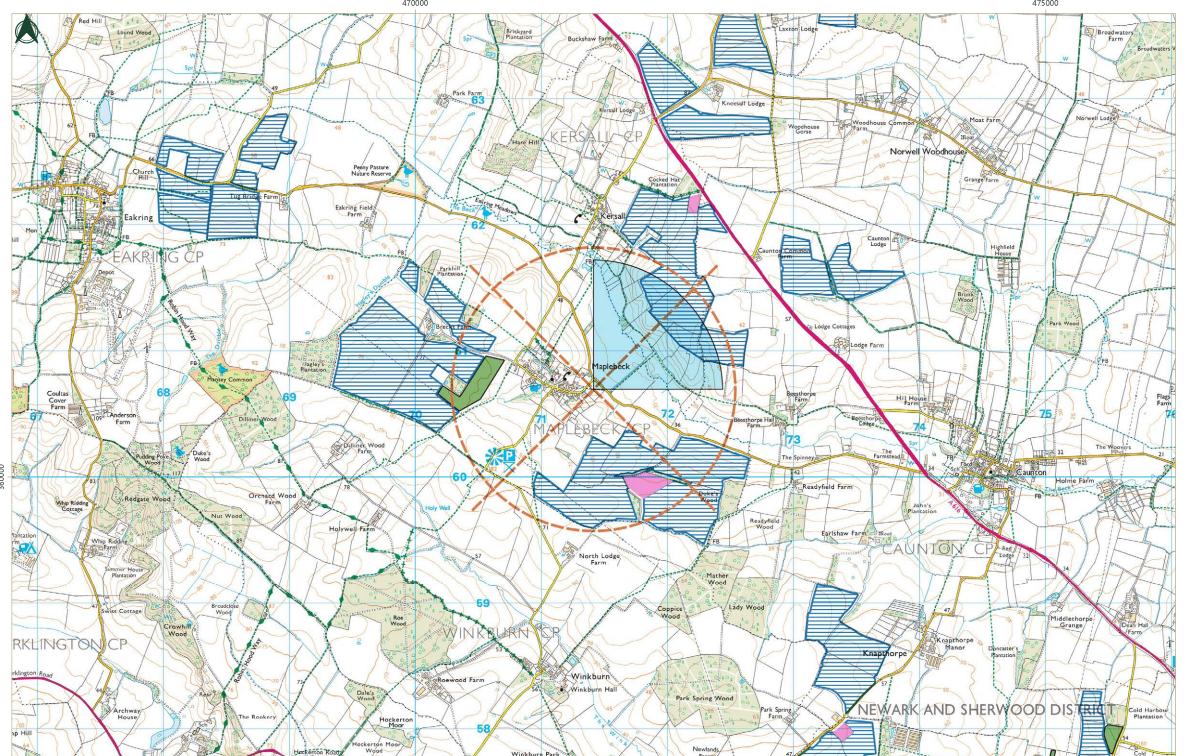












*Existing Vie*и

This view is from a field on the edge of Maplebeck and in most directions the view is restricted by the hedgerow and trees around the field. To the northeast fields are visible above the hedgerow where the land rises on the opposite side of the valley. Properties on the edge of Maplebeck are visible in glimpsed views between the trees to the west.

Predicted Changes to Views

During construction there would be visibility of solar PV areas being installed. Construction traffic would route along the road adjacent to the field and there may be a minor increase in views of larger vehicles while the nearby panel areas are constructed. During early operation there would be views of solar PV areas on the skyline to the northeast on the opposite side of the valley. Once fully grown, mitigation planting around the solar PV areas would screen the edges of the solar PV areas, but views of panels and their later decommissioning would remain visible along the skyline to the northeast. Once decommissioned, taller hedgerows would remain around fields on the opposite side of the valley and new hedgerows would remain, altering the existing field pattern.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 5 Maplebeck

Cardinal views analysis:

Visibility at Year 0



Visibility once planting matures





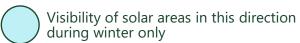


Key

No solar areas visible from this viewpoint in this direction







- S An intermediate substation is visible in this direction of the view, refer to text
- M The main 400kV substation is visible in this direction of the view
- Be The BESS is visible in this direction of the view

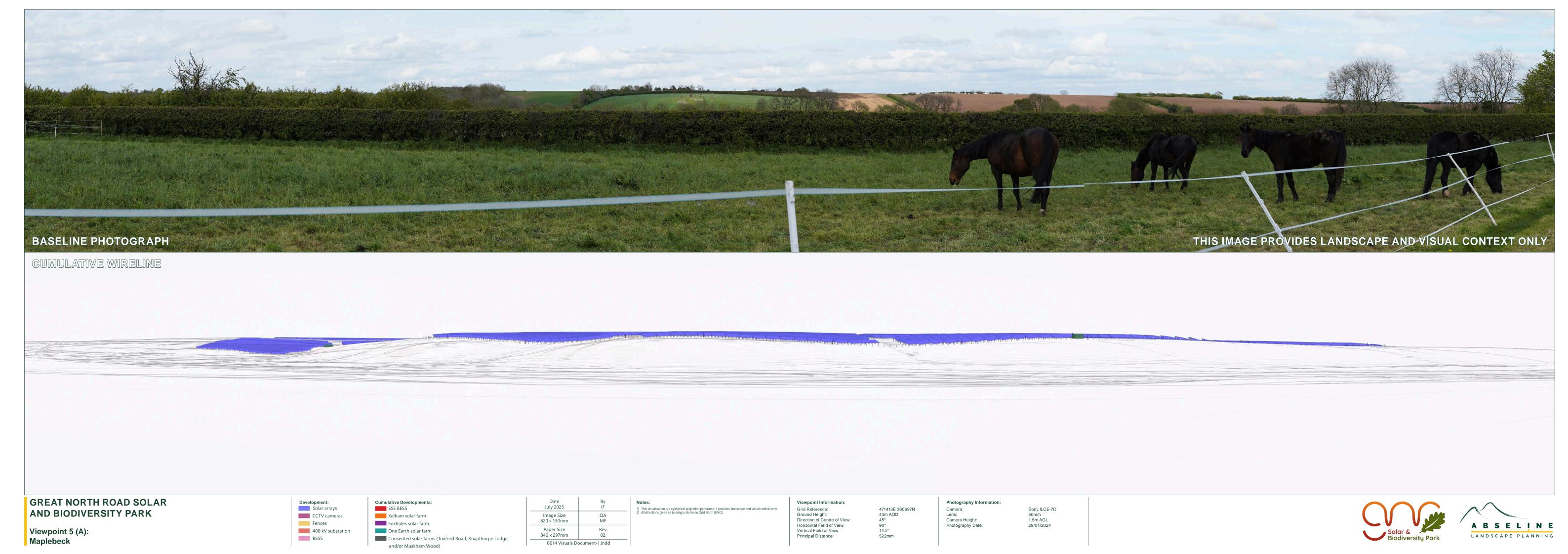


90deg baseline panorama, wireline and photomontage

Reference: EN010162/APP/6.3.7.11.VP5	Drawn By:	QA: MF	Date: 2025-07-31
Scale:	Drawing Size:		Revision:
1:30,000	A3		02









Viewpoint 5 (A): Maplebeck

Image Size 820 x 240mm Paper Size 840 x 297mm 0014 Visuals Document-1.indd

Grid Reference:
Ground Height:
Direction of Centre of View:
Horizontal Field of View:
Vertical Field of View:
Principal Distance:

Lens: Camera Height: Photography Date:

Sony ILCE-7C 50mm 1.5m AGL 29/04/2024





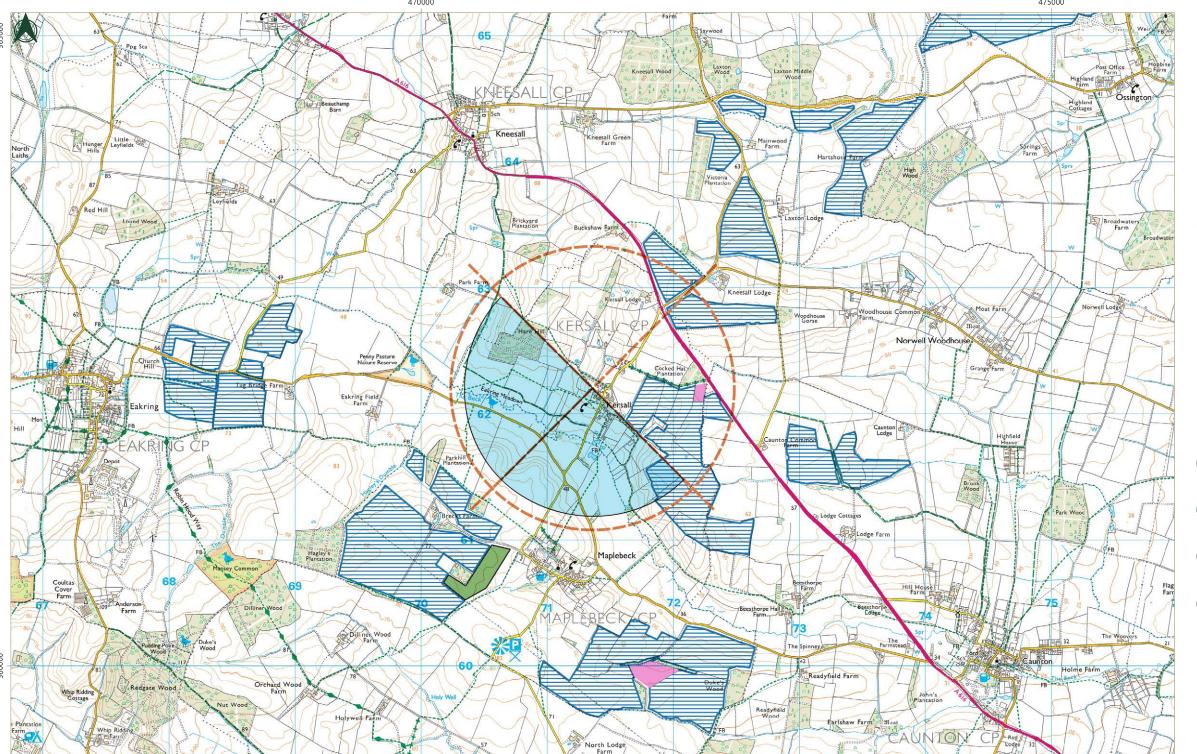


LANDSCAPE PLANNING

Paper Size 840 x 297mm

0014 Visuals Document-1.indd

Viewpoint 5 (A): Maplebeck



Located on the edge of Kersall, this view looks across nearby rolling fields, minor roads and occasional buildings. Looking out towards the south and west, fields divided by hedgerows with trees on the far side of the valley are seen rising to a skyline which features a line of pylons and woodland blocks. Homes within Kersall are visible in the immediate foreground to the south and east.

Predicted Changes to Views

During construction there would be distant visibility of solar PV areas being installed to the south and west. During early operation, there would be distant glimpsed views of solar PV areas to the south, and to the west from near the viewpoint beyond the hawthorns which screen views towards the panel areas in this direction. Mostly only the edges of panels areas would be seen as narrow bands, but there would be more open views looking into the panel area on the facing slope seen to the southeast over the roof of the nearby house, and at a distance looking out over panel areas to the west. These areas of visibility would persist once mitigation planting is mature and there would be a minor addition of new woodland on the skyline to the southwest. Once decommissioned, taller hedgerows and the mitigation planting would remain. They would be hard to notice due to the extent of existing vegetation within the view.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

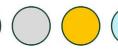
Viewpoint 6 Kersall

Cardinal views analysis:

Visibility at Year 0

Visibility once planting matures

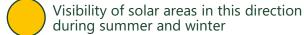


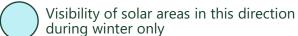


Key

No solar areas visible from this viewpoint in this direction







- An intermediate substation is visible in this direction of the view, refer to text
- The main 400kV substation is visible in this direction of the view
- The BESS is visible in this direction of the view



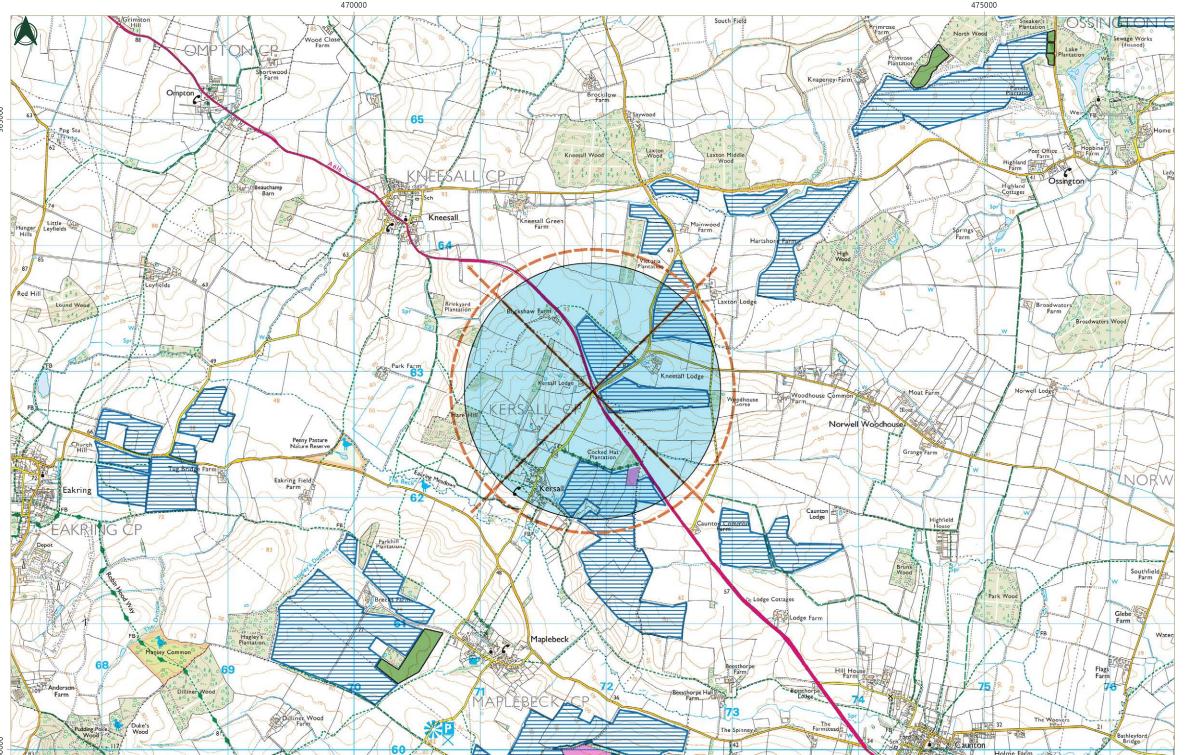












Existing Viev

Views from this crossroad on the A616 are partially contained by roadside vegetation. Mid to long distance views across agricultural fields, interspersed with hedgerows, areas of woodland and occasional buildings are available where there are breaks in the vegetation or the land falls. Small overhead lines cross the foreground of the view; large overhead lines and occasional wind turbines are seen within more distant views.

Predicted Changes to Views

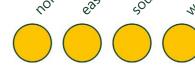
During construction and early operation there would be open views of nearby solar PV areas to the north of the road where solar PV areas would be visible above the hedgerows and through open field entrances in the adjacent fields. A construction compound would also be seen to the east and there would be glimpsed visibility of construction of the distant areas. Construction traffic routes past this viewpoint and an increase in vehicles may be seen as nearby panel areas are installed. Once mitigation planting is fully grown the extent of visibility would reduce. Nearby solar PV areas to the north of the road would be screened when the hedgerows are in leaf and seen in filtered views through the hedgerows during winter. To the south and west, solar PV areas would remain distantly visible over and/or above the hedgerows. Mitigation planting would largely screen the decommissioning of nearby solar PV areas; however, views of the distant works and traffic would remain. Once decommissioned, taller hedgerows alongside the road would remain.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 7 A616 near Kersall Lodge

Cardinal views analysis:

Visibility at Year 0



Visibility once planting matures

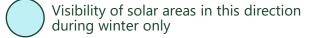


Key

No solar areas visible from this viewpoint in this direction



Visibility of solar areas in this direction during summer and winter



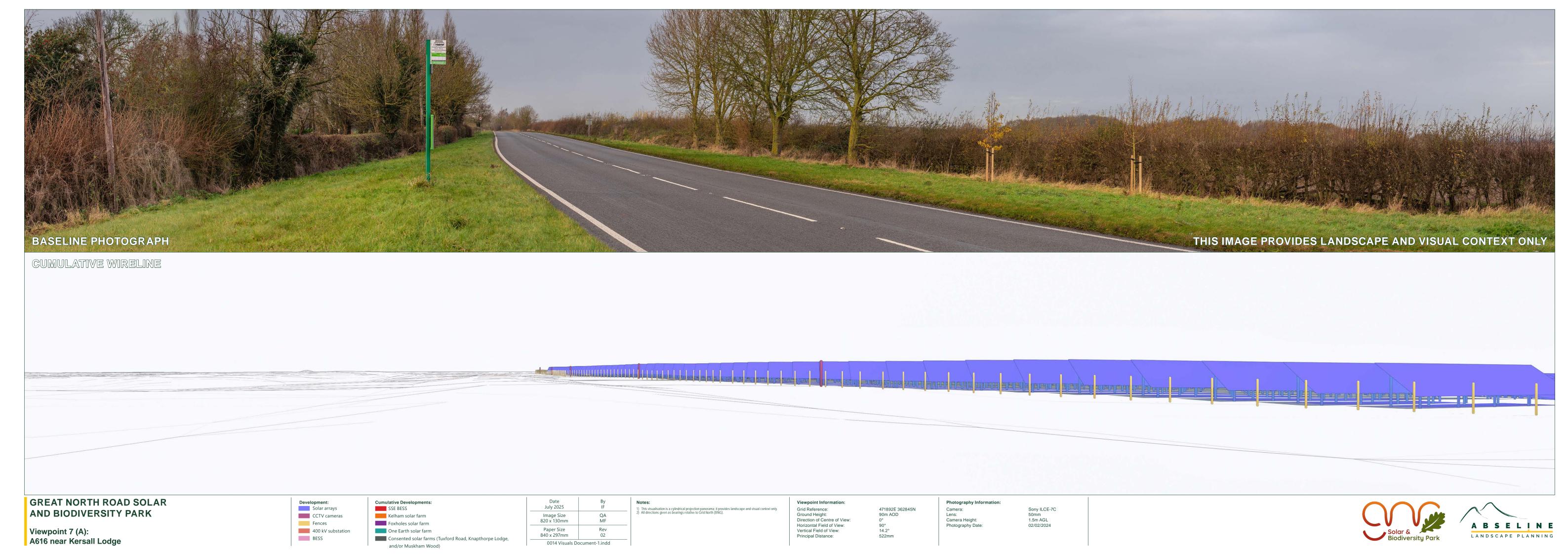
- S An intermediate substation is visible in this direction of the view, refer to text
- M The main 400kV substation is visible in this direction of the view
- Be The BESS is visible in this direction of the view













LANDSCAPE PLANNING



AND BIODIVERSITY PARK

Viewpoint 7 (A): A616 near Kersall Lodge
 July 2025
 IF

 Image Size
 QA

 820 x 240mm
 MF

 Paper Size
 Rev

 840 x 297mm
 02

 0014 Visuals Document-1.indd

This visualisation is a cylindrical projection panorama; view flat at a comfortable arms lengt
 All directions given as bearings relative to Grid North (BNG).

Grid Reference:
Ground Height:
Direction of Centre of View:
Horizontal Field of View:
Vertical Field of View:
Principal Distance:

Sony ILCE-7C 50mm 1.5m AGL 02/02/2024











LANDSCAPE PLANNING



GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 7 (C): A616 near Kersall Lodge

Development:

Solar arrays CCTV cameras Fences

Cumulative Developments:

SSE BESS Kelham solar farm 400 kV substation BESS Consented solar farms (Tuxford Road, Knapthorpe Lodge,

Date July 2025 Image Size 820 x 130mm Paper Size 840 x 297mm 0014 Visuals Document-1.indd

Grid Reference: Ground Height:
Direction of Centre of View:
Horizontal Field of View:
Vertical Field of View:
Principal Distance: 180° 90° 14.2° 522mm

471892E 362845N 90m AOD

Lens: Camera Height: Photography Date:

Sony ILCE-7C 50mm 1.5m AGL 02/02/2024







LANDSCAPE PLANNING



LANDSCAPE PLANNING





AND BIODIVERSITY PARK

Viewpoint 7 (D): A616 near Kersall Lodge
 July 2025
 IF

 Image Size
 QA

 820 x 240mm
 MF

 Paper Size
 Rev

 840 x 297mm
 02

 0014 Visuals Document-1.indd

This visualisation is a cylindrical projection panorama; view flat at a comfortable arms lengted.
 All directions given as bearings relative to Grid North (BNG).

Grid Reference:
Ground Height:
Direction of Centre of View:
Horizontal Field of View:
Vertical Field of View:
Principal Distance:

Camera: Lens: Camera Height: Photography Date:

471892E 362845N 90m AOD

270° 90° 26.3° 522mm Sony ILCE-7C 50mm 1.5m AGL 02/02/2024







LANDSCAPE PLANNING

Viewpoint 7 (D): A616 near Kersall Lodge

Existing View

From this footpath there are views across undulating fields, divided by hedges, hedgerow trees and woodlands in all directions, with more long-distance views to the southwest and west. Pylons and wind turbines form notable features in the view around Eakring.

Predicted Changes to Views

During construction and early operation there would be distant visibility of solar PV areas to the south through a small gap in the nearby vegetation, and more openly to the southwest in front of the pylons near Eakring to the southwest. Once grown, mitigation planting may be visible around the edges of the solar areas, however it is unlikely to noticeably reduce the extent of solar PV areas that would be visible. Decommissioning activity would be similar to construction. Once decommissioned, taller hedgerows and the mitigation planting would remain. They would be hard to notice due to the extent of existing vegetation within the view.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 8 Footpath at Kneesall

Cardinal views analysis:

Visibility at Year 0

Visibility once planting matures

Key

No solar areas visible from this viewpoint in this direction

Wireline indicates theoretical visibility but would not be discernible in practice

Visibility of solar areas in this direction during summer and winter

Visibility of solar areas in this direction during winter only

S An intermediate substation is visible in this direction of the view, refer to text

M The main 400kV substation is visible in this direction of the view

Be The BESS is visible in this direction of the view

90deg baseline panorama and wireline









Viewpoint 8 (A): Footpath at Kneesall

CCTV cameras

Fences 400 kV substation BESS

Kelham solar farm Consented solar farms (Tuxford Road, Knapthorpe Lodge, and/or Muskham Wood)

Image Size 820 x 130mm Paper Size 840 x 297mm 0014 Visuals Document-1.indd

Grid Reference:
Ground Height:
Direction of Centre of View:
Horizontal Field of View:
Vertical Field of View:
Principal Distance:

470330E 363864N 85m AOD 200° 90° 14.2° 522mm

Camera: Lens: Camera Height: Photography Date:





Existing View

Views from this minor road are limited by the roadside hedges. To the east, south and west there are limited views above the hedges to the southwest towards Eakring and the nearby pylons and wind turbines seen in front of woodlands along the skyline.

Predicted Changes to Views

During construction and early operation there would be some visibility of the solar area below and closer than the pylons near Eakring. The nearby hedge and intervening trees would partly filter these views. Once mitigation planting matures it is unlikely to alter the extent of views from this location and distant views of solar panels during operation and of decommissioning activities would be seen. Once decommissioned, taller hedgerows and the mitigation planting would remain. They would be hard to notice due to the extent of existing vegetation within the view.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 9 Minor road - Eakring to Kneesall

Cardinal views analysis:

Visibility at Year 0

Visibility once planting matures

Key

- No solar areas visible from this viewpoint in this direction
 - Wireline indicates theoretical visibility but would not be discernible in practice
- Visibility of solar areas in this direction during summer and winter
- Visibility of solar areas in this direction during winter only
- S An intermediate substation is visible in this direction of the view, refer to text
- M The main 400kV substation is visible in this direction of the view
- Be The BESS is visible in this direction of the view











Viewpoint 9 (A): Minor road - Eakring to Kneesall

400 kV substation BESS

Consented solar farms (Tuxford Road, Knapthorpe Lodge, and/or Muskham Wood)

0014 Visuals Document-1.indd







Existing View

The view looks out over rolling fields divided by hedges and trees, interspersed with occasional minor settlements, woodlands and individual properties. There are long distance views to the east and south with shorter views to the north and west. The church tower at Kneesall is visible above the trees to the east. Pylons and wind turbines are prominent within the view, particularly to the south and northeast.

Predicted Changes to Views

During construction and early operation, solar areas would be seen on facing slopes below the skyline to the south. there would be distant visibility of solar PV areas being installed. When the trees are in leaf, nearby trees would screen much of the Development from view. Mitigation planting is unlikely to alter the extent of views from this location and there would be distant visibility throughout operation and of solar PV areas being removed during decommissioning. Once decommissioned, taller hedgerows and the mitigation planting would remain. They would be hard to notice due to the extent of existing vegetation within the view.

GREAT NORTH ROAD SOLAR AND BIODIVERSITY PARK

Viewpoint 10 Footpath near Leyfields

Cardinal views analysis:

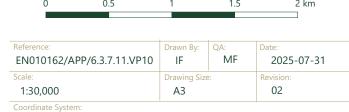
Visibility at Year 0

Visibility once planting matures

Key

- No solar areas visible from this viewpoint in this direction
 - Wireline indicates theoretical visibility but would not be discernible in practice
- Visibility of solar areas in this direction during summer and winter
- Visibility of solar areas in this direction during winter only
- S An intermediate substation is visible in this direction of the view, refer to text
- M The main 400kV substation is visible in this direction of the view
- Be The BESS is visible in this direction of the view











Viewpoint 10 (A): Footpath near Leyfields

Fences 400 kV substation BESS

Kelham solar farm One Earth solar farm Consented solar farms (Tuxford Road, Knapthorpe Lodge, and/or Muskham Wood)

Image Size 820 x 130mm Paper Size 840 x 297mm 0014 Visuals Document-1.indd

Grid Reterence:
Ground Height:
Direction of Centre of View:
Horizontal Field of View:
Vertical Field of View:
Principal Distance:

Sony ILCE-7C 50mm 1.5m AGL 29/03/2024



