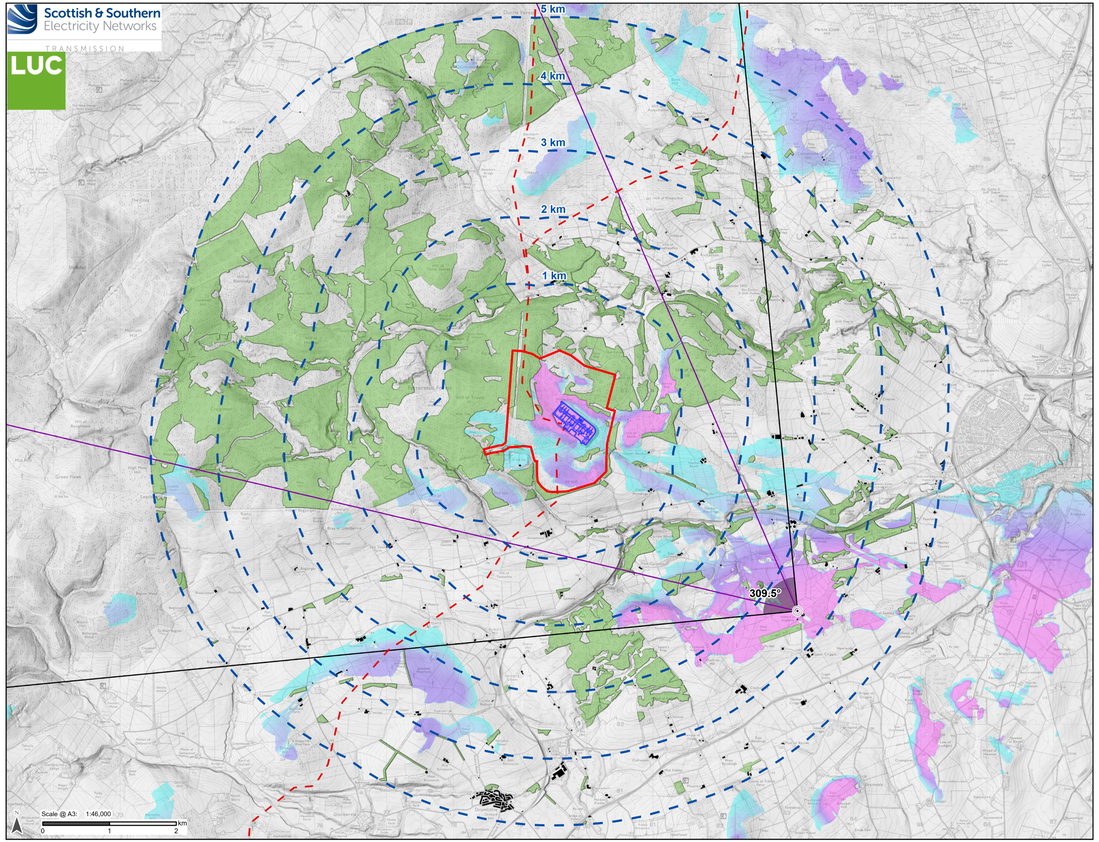

Hurlie red line boundary (tracks removed)

LVIA study area boundary (5km buffer from red line boundary)

Electrical layout and fence line

Kintore to Tealing 400 kV OHL

Screening

Building

Woodland (mixed mainly conifer, mixed mainly broadleaved, conifer, broadleaved, young trees)

Zone of theoretical visibility (with screening to 5km)

Theoretically more visible

Theoretically less visible

53.5° Field of View

90° Field of View

The ZTV indicates the theoretical visibility of the proposed development (excluding the OHL). The ground elevation of the fence line and electrical infrastructure is set to 222.35m with a height of 13.5m added to the electrical infrastructure, a height of 5.9m added to the control building, a height of 15m added to the component covers and a height of 3.9m added to the fence line. Screening layers (up to 5km) include cut and fill, buildings set to 8m and national forest inventory categories mixed mainly conifer, mixed mainly broadleaved, conifer, broadleaved young trees set to 15m and 5m for young trees. A viewer height of 2m was used. The terrain model is based on Ordnance Survey OS Terrain 5 digital terrain model (DTM) data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.3.1 software.

Maxar, Microsoft

Project No: LT486

Project: Hurlie 400 kV Substation

Title:

Viewpoint VP01
Hillhead of Auquhirie

Drawn by: IB

Date: 06/11/2024

Figure: 8.4

LUC

OS reference:	383164 E 783698 N
AOD (Above Ordnance Datum):	157.02 m
Direction of view:	309.5°
Horizontal field of view:	90° (cylindrical projection)

Vertical field of view:	27°
Image Enlargement Factor:	96%
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:	19/12/2023 13:38

Data Sources:
Topography to inform AOD heights: 50cm National DTM (2020), Environment Agency.
3D model informed by Site option layouts and development height parameters provided by Burns and Mcdonnell in Revit (.rvt) format on 23/08/24.

SSEN Fiddes Hurlie Substation: Visualisations
Figure 8.4a
Viewpoint 1: Hillhead of Auquhirie

LUC

OS reference:	383164 E 783698 N
AOD (Above Ordnance Datum):	157.02 m
Direction of view:	309.5°
Horizontal field of view:	90° (cylindrical projection)

Vertical field of view:	27°
Image Enlargement Factor:	96%
Paper size:	841 x 297 mm (half A1)
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Camera height:	1.5 m (above AOD)
Date and time:	19/12/2023 13:38

Data Sources:
Topography to inform AOD heights: 50cm National DTM (2020), Environment Agency.
3D model informed by Site option layouts and development height parameters provided by Burns and Mcdonnell in Revit (.rvt) format on 23/08/24.

SSEN Fiddes Hurlie Substation: Visualisations
Figure 8.4b
Viewpoint 1: Hillhead of Auquhirie

LUC

OS reference:	383164 E 783698 N
AOD (Above Ordnance Datum):	157.02 m
Direction of view:	309.5°
Horizontal field of view:	53.5° (planar projection)

Vertical field of view:	18.2°
Image Enlargement Factor:	150%
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 260 mm

Camera:	NIKON D750
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	19/12/2023 13:38

Data Sources:
Topography to inform AOD heights: 50cm National DTM (2020), Environment Agency.
3D model informed by Site option layouts and development height parameters provided by Burns and Mcdonnell in Revit (.rvt) format on 23/08/24.

SSEN Fiddes Hurlie Substation: Visualisations
Figure 8.4c
Viewpoint 1: Hillhead of Auquhirie

LUC

OS reference:	383164 E 783698 N
AOD (Above Ordnance Datum):	157.02 m
Direction of view:	309.5°
Horizontal field of view:	90° (cylindrical projection)

Vertical field of view:	27°
Image Enlargement Factor:	96%
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:	19/12/2023 13:38

Data Sources:
Topography to inform AOD heights: 50cm National DTM (2020), Environment Agency.
3D model informed by Site option layouts and development height parameters provided by Burns and Mcdonnell in Revit (.rvt) format on 23/08/24.

SSEN Fiddes Hurlie Substation: Visualisations
Figure 8.4d
Viewpoint 1: Hillhead of Auquhirie

LUC

OS reference:	383164 E 783698 N
AOD (Above Ordnance Datum):	157.02 m
Direction of view:	309.5°
Horizontal field of view:	53.5° (planar projection)

Vertical field of view:	18.2°
Image Enlargement Factor:	150%
Paper size:	841 x 297 mm (half A1)
Correct printed image size:	820 x 260 mm

Camera:	NIKON D750
Lens:	Nikkor AF 50mm f/1.8D
Camera height:	1.5 m (above AOD)
Date and time:	19/12/2023 13:38

Data Sources:
Topography to inform AOD heights: 50cm National DTM (2020), Environment Agency.
3D model informed by Site option layouts and development height parameters provided by Burns and Mcdonnell in Revit (.rvt) format on 23/08/24.

SSEN Fiddes Hurlie Substation: Visualisations
Figure 8.4e
Viewpoint 1: Hillhead of Auquhirie

LUC

OS reference:	383164 E 783698 N
AOD (Above Ordnance Datum):	157.02 m
Direction of view:	309.5°
Horizontal field of view:	90° (cylindrical projection)

Vertical field of view:	27°
Image Enlargement Factor:	96%
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:	19/12/2023 13:38

Data Sources:
Topography to inform AOD heights: 50cm National DTM (2020), Environment Agency.
3D model informed by Site option layouts and development height parameters provided by Burns and Mcdonnell in Revit (.rvt) format on 23/08/24.

SSEN Fiddes Hurlie Substation: Visualisations
Figure 8.4f
Viewpoint 1: Hillhead of Auquhirie