



Emmock red line boundary

LVIA study area boundary (3km buffer from red line boundary)

Electrical layout and fence line

Kintore to Tealing 400 kV OHL

## **Emmock Tie-Ins**

Diverted Alyth to Tealing OHL

Diverted Westfield to Tealing OHL

## Emmock to Tealing Tie-Backs

--- Emmock to Tealing Tie-Back East

Emmock to Tealing Tie-Back West

Woodland (mixed mainly conifer, mixed mainly broadleaved, conifer,

broadleaved, young trees)

## Building

Zone of Theoretical Visibility (with bunding and screening included to 3km)

Theoretically more visible

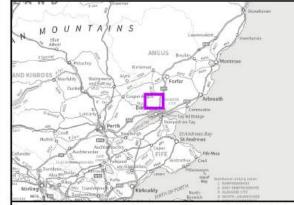
Theoretically less visible

√ 53.5° Field of View

// 90° Field of View

The ZTV indicates the theoretical visibility of the proposed development (not including the OHL and tie-ins/tie-backs). The ground elevation of the fence line and electrical infrastructure is set to 139m with a height of 15.3m added to the electrical infrastructure, a height of 7.2m added to the control building and a height of 3.4m added to the fence line. Screening layers (up to 3km) include bunding, 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 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. 3.3.1 software.

Maxar, Microsoft



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Project No: LT486

Project: Emmock 400 kV Substation

Viewpoint VP06 North of Balnuith

Date: 06/11/2024





OS reference: 339752 N 738138 E AOD (Above Ordnance Datum): 154.45 m Direction of view: 241°

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: 20/06/2024 12:20

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 Omexon in Revit (.rvt) format on 20/05/24.

**SSEN Emmock Substation: Visualisations** Figure 7.10a
Viewpoint 6: North of Balnuith





OS reference: 339752 N 738138 E
AOD (Above Ordnance Datum): 154.45 m
Direction of view: 241°

Horizontal field of view: 90° (cylindrical projection)

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**SSEN Emmock Substation: Visualisations** Figure 7.10b
Viewpoint 6: North of Balnuith





AOD (Above Ordnance Datum): 154.45 m
Direction of view: 241°

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: 20/06/2024 12:20

Topography to inform AOD heights: 50cm National DTM (2020), Environment Agency.

3D model informed by Site option layouts and development height parameters provided by Omexon in Revit (.rvt) format on 20/05/24.





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**SSEN Emmock Substation: Visualisations** Figure 7.10d
Viewpoint 6: North of Balnuith





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AOD (Above Ordnance Datum): 154.45 m
Direction of view: 241°
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: 20/06/2024 12:20

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 Omexon in Revit (.rvt) format on 20/05/24.





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Proposed new 400KV to Hurlie / Kintore

Emmock to Tealing tie-back East

**SSEN Emmock Substation: Visualisations** Figure 7.10f Viewpoint 6: North of Balnuith