



— Ernock red line boundary
- - - Cultural Heritage study area boundary (3km buffer from red line boundary)
— Electrical layout and fence line
- - - Kinross to Tealing 400 kV OHL
— Ernock to Tealing Tie-Backs
— Ernock to Tealing Tie-Back East
— Ernock to Tealing Tie-Back West
— Ernock Tie-ins
— Diverted Ayth to Tealing OHL
— Diverted Westfield to Tealing OHL
— Screening
■ Woodland (mixed mainly conifer, mixed mainly broadleaved, conifer, broadleaved, young trees)
■ Building
■ Zone of Theoretical Visibility (with bundling and screening included is 3km)
■ Area theoretically 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-backs). The ground elevation of the fence line and electrical infrastructure to sit in 150m with a right of way added to the electrical infrastructure, a height of 7.2m added to the central building and a height of 5.4m added to the fence line. Screening options up to 10m include bundling, buildings set to 4m and robust forest inventory categories mixed young conifer, mixed mainly broadleaved, conifer, broadleaved young trees set to 10m 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. Each conifer and broadleaved silhouette has been taken into account. The ZTV was generated using AutoCAD 2013 software.

Map Source
 Ordnance Survey

Project No: LT382
 Project: Ernock 400 kV Substation
 Title: Vegetation CH12
 Balmackenzie Cottage Glass Crock
 Drawn by: IB Date: 11/11/2024
 Figure: B.3



Baseline photograph



OS reference: 338174 N 738440 E
AOD (Above Ordnance Datum): 197.92 m
Direction of view: 138°
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 10:58

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.



Visualisation showing proposed mitigation planting at year 0



OS reference: 338174 N 738440 E
 AOD (Above Ordnance Datum): 197.92 m
 Direction of view: 138°
 Horizontal field of view: 90° (cylindrical projection)

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SSEN Emmock Substation: Visualisations
 Figure 8.5b
 Cultural Heritage Viewpoint 2: Balkemback Cottages Stone Circle



Visualisation showing proposed mitigation planting at year 0



OS reference: 338174 N 738440 E
 AOD (Above Ordnance Datum): 197.92 m
 Direction of view: 138°
 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 10:58

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.



Visualisation showing proposed mitigation planting at year 10



OS reference: 338174 N 738440 E
 AOD (Above Ordnance Datum): 197.92 m
 Direction of view: 138°
 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 10:58

Data Sources:
 Topography to inform AOD heights: SDCM 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 8.5d
 Cultural Heritage Viewpoint 2: Balkemback Cottages Stone Circle



Visualisation showing proposed mitigation planting at year 10



OS reference: 338174 N 738440 E
AOD (Above Ordnance Datum): 197.92 m
Direction of view: 138°
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 10:58

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.



Visualisation showing proposed cumulative OHL with mitigation planting at year 0



OS reference: 338174 N 738440 E
 AOD (Above Ordnance Datum): 197.92 m
 Direction of view: 138°
 Horizontal field of view: 90° (cylindrical projection)

Vertical field of view: 27°
 Image Enlargement Factor: 86%
 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 10:58

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.

- Diverted Alyth to Tealing OHL
- Proposed new 400kV to Hurlie / Kintore
- Diverted Westfield to Tealing OHL
- Emmock to Tealing tie-back West
- Emmock to Tealing tie-back East