



**LEGEND**

- Application Site Boundary
- Proposed Turbine Location
- Proposed Turbine Location 5 km Buffer
- Proposed Substation
- Zone of Theoretical Visibility (ZTV) - Bare Earth From Substation

**Note**

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension. The digital terrain model (DTM) has been derived from OS Terrain 5 dataset (2 m RMSE). Earth curvature has been included in the ZTV calculation and refraction of light has been applied using SNH guidance settings. The ZTV has been generated from a viewing height of 5 m above ground level which represents a view from a first story window.

The use of ZTV mapping at this stage is limited and the following assumptions should be noted:

- The ZTV has been generated using the property locations in the surrounding area and derived from OS AddressBase Plus.
- A proposed substation height of 5 m has been used to indicate the maximum visible height of substation infrastructure.
- The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. It does not indicate potential visual effects or show the likely significance of effects. It shows potential theoretical visibility only. The ZTV has been produced for the purpose of informing 'on the ground' visual assessment.

# BALMEANACH WIND FARM LIMITED

BALMEANACH WIND FARM - SEI

LANDSCAPE AND VISUAL

PROPOSED SUBSTATION ZTV

**SEI FIGURE 7.6**

Scale1:50,000 @ A3

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