LEGEND

- ▭ Application Site Boundary
- • Proposed Turbine Location
- --- Proposed Turbine Location 10 - 30 km
- --- Buffer (10 km Increments)
- ▭ Landscape Character Type

Zone of Theoretical Visibility (ZTV): Bare Earth Blade Tip 149.9 m
- High : 10 Turbines Visible
- Low : 1 Turbine Visible

Landscape Character Areas
- Bracadale
- Dunvegan and Duirnish
- Greshornish and Coastal Edge of Loch Snizort
- Interior Skye Hills
- Portree, Surrounding Hills, and Strath
- Trotternish
- Waternish, Greshornish, and Coastal Edge of Loch S

Landscape Character
- 357: Farmed and Settled Lowlands - Skye & Lochalsh
- 358: Low Smooth Moorland
- 359: Upland Sloping Moorland
- 360: Stepped Moorland
- 361: Stepped Hills
- 362: Cnocan - Skye & Lochalsh
- 364: Rocky Moorland - Skye & Lochalsh
- 366: Landslide Edge and Undulating Ridge
- 367: Smooth Mountain Range
- 368: Angular Mountain Range - Skye & Lochalsh

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) up to 45 km from turbine locations, and OS Terrain 50 dataset (+/-10 m). 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 2 m above ground level which falls within recommendations by "Visual Representation of Windfarms" prepared for Scottish Natural Heritage (SNH) February 2017 - Version 2.2.

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

• The ZTV has been generated using the proposed turbine locations for Balmeanach Wind Farm.

• The proposed turbine tip heights of 149.9 m have been used for generating the ZTV.

• 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.

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BALMEANACH WIND FARM - EIA

LANDSCAPE AND VISUAL

ZTV WITH LANDSCAPE CHARACTER TYPES

FIGURE 7.8

Scale	Date
1:250,000 @ A3	AUGUST 2023

11223.00001.0308.0 Figure 7.8 ZTV with Landscape Character Types