120000 130000 140000 150000

860000 850000 840000

10km 5km

LEGEND

Application Site Boundary

Proposed Turbine Location

Local Area of Influence (LAI) 5 km and 10 km Area

Zone of Theoretical Visibility (ZTV): Bare Earth Blade Tip Height 149.9 m

High : 9 Turbines Visible

Low : 1 Turbine Visible

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 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.

0 5 10 Kilometres

BALMEANACH WIND FARM LIMITED

SLR

BALMEANACH WIND FARM - SEI

SOCIO-ECONOMICS, TOURISM, RECREATION AND LAND USE

ZONE OF THEORETICAL VISIBILITY

SEI FIGURE 14.1

Scale 1:125,000 @ A3

Date APRIL 2025

11223.00001.0488.0 Figure 14.1 Zone of Theoretical Visibility

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