



- LEGEND**
- Application Site Boundary
 - Proposed Turbine Location
 - Proposed Turbine Location 10 - 40 km
 - Buffer (10 km Increment)
 - Viewpoint Location
- Zone of Theoretical Visibility: Bare Earth**
- Visible (80.9 m)
 - Minimum of One Blade Tip Visible (149.9 m)
- Viewpoint Location**
- VP1 A885 Junction with road to Feoring
 - VP1 A885 Road
 - VP1 A886 Junction of A885 and B886 at Lomone
 - VP1 New road to Greenan
 - VP1 B885 Road
 - VP1 Junction of A885 and B886 at Lomone
 - VP1 Knapburgh
 - VP1 A887 (West of Bore)
 - VP11 Macleod's Table North-East of Mhor
 - VP12 Feoring
 - VP14 Feoring
 - VP15 Ben Tansing
 - VP16 Ben Tansing
 - VP17 Uig (High)
 - VP18 Uig (Low)
 - VP19 Burn Eas
 - VP20 Burn na Frith

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 (4.0 m). Earth curvature has been included in the ZTV calculation and refraction of light has been applied using SHN 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 Balmealach 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 prepared for the purpose of informing 'on the ground' visual assessment.

BALMEALACH WIND FARM LIMITED

SLR

BALMEALACH WIND FARM - EIA
LANDSCAPE AND VISUAL
BLADE TIP AND HUB ZTV A0
FIGURE 7.5d

Scale: 1:25,000 @ A0 Date: JULY 2023