



LEGEND

Application Boundary

Proposed Turbine Location

Proposed Turbine Location 15 km Buffer

Cumulative Wind Turbine Status

Application

Scoping

Viewpoint Location

Zones of Theoretical Visibility (ZTV) - Bare Earth

Ben Sca Redesign SEI Proposed Wind Farm Developments

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 Ben Sca Wind Farm SEI Revised Layout.
- The proposed wind turbine and consented blade tip heights that have been used are listed below
 - Balmeanach = 149.9 m
 - Ben Sca Redesign = 149.9 m
 - Beinn Mheadhonnach WF Redesign = 149.9 m
 - Ben Aketil Repowering = 200 m
 - Edinbane Repowering = 200 m
 - Glen Ullinish II Redesign = 200 m
 - Land at Edinbane = 150 m
- 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.

BEN SCA WIND FARM LTD



BEN SCA REDESIGN WIND FARM - SEI

LANDSCAPE AND VISUAL

CUMULATIVE ZTV - REVISED BEN SCA REDESIGN WITH SCOPING / APPLICATION STAGE PROPOSED WIND FARM DEVELOPMENTS

SEI FIGURE 3.12

Scale 1:125,000 @ A3 Date APRIL 2025

405.064982.00001.0198.2.3.12 Cumulative ZTV