Legend

- Indicative Turbine Location
- Site Boundary
- Site Boundary 5-20km Buffers

Zone of Theoretical Visibility No. of Turbine Blade Tips Visible

High : 20 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 (+/-10m). 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 2m 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 Euchanhead.

•The proposed turbine blade tips heights of 225m 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.

•The ZTV colour palette has been specifically developed to assist viewers with reduced sensitivity to red, green and blue light.

•The ZTV has been generated up to 45km from the proposed Euchanhead turbines.

Rev	Date	By	Comment
A	14/02/20	JRS	First Issue.

1:180,000 Scale @ A3

0 4.5 9 Km

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Euchanhead Renewable Energy Development

Scoping Report

Zone of Theoretical Visbility - Blade Tip

Drg No	00481.00052.0096.0
Rev	A
Date	14/02/20
Figure	2

Datum: OSGB36
Projection: TM