250000 260000 270000 280000

610000 600000

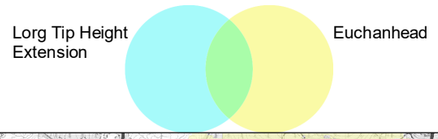
Legend

- Proposed Turbine Location
- 5 - 45 km Buffer of Turbine Locations (5 km Intervals)
- Viewpoint Location
- Additional Wireline Location

Status of Cumulative Wind Farms

- Planning

Zones of Theoretical Visibility



N

5km 10km 15km 20km

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21

Lorg Tip Height Extension

1 2 3 4 5 6 7 8 9 10 11 12 14 15 16

CARSPHAIRN FOREST

New Cumnock

KIRKCONNEL

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 40 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 folowing assumptions should be noted:

• The ZTV has been generated using the proposed Design Freeze turbine locations for Euchanhead.The baseline ZTV has been generated from Proposed turbine locations listed below.

• The proposed turbine blade tips heights that have been used for generating the ZTV are listed below:
- Euchanhead = 230 m
- Lorg Tip Height Extension = 149.9 m

• 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 has been generated up to 65 km from the proposed Euchanhead turbines.

• Please refer to Figure 3.1 for Site Application Boundary.

250000 260000 270000 280000

SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	24/09/20	AA	First Issue.

1:100,000
Scale @ A3

0 2.5 5 Km

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Euchanhead Renewable Energy Development EIAR

Landscape and Visual Amenity

Cumulative ZTV to Blade Tip: Euchanhead with Lorg Tip Height Extension

Drg No	00481.00052.0263.0	Datum: OSGB36 Projection: TM
Rev	A	
Date	24/09/20	
Figure	7.24	