170000 180000 190000

660000 650000

Legend

- Application Boundary
- Turbine Location (135m Tip Height)
- Turbine Location (149.9m Tip Height)
- 10km Buffer of Turbines
- Viewpoint Location

Status of Cumulative Wind Farms

- Operational
- Consented
- In Planning
- Proposed Inveraray to Crossaig Route
- National Scenic Area
- Area of Wild Land
- Gardens and Designed Landscapes
- Argyll and Bute - Areas of Panoramic Quality (APQ)
- North Ayrshire - Special Landscape Area (SLA)

Zone of Theoretical Visibility No. of Turbine Blade Tips Visible

High : 19 Turbines Visible

Low : 1 Turbine Visible

Note:

Argyle and Bute Landscape Character Assessment and Area of Panoramic Quality Received 11/09/2019
North Ayrshire Special Landscape Area

Knapdale
Airigh
Knapdale / Melfort APQ
Kilchamaig Farm
Garnagrenach Farm
Freasdail
Eascairt
Inverary to Crossaig OHL
West Kintyre (Coast) APQ
High Constellation
Cour
Killean
Achamore House
Isle of Gigha and Extension
Bute & South Cowal APQ
North Arran
North Arran SLA
03. North Arran

1 2 3 4 5 6 7 8 9 10 11 12 13 15

N

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 (+/- 2m) up to 20km from the turbine locations, and 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 folowing assumptions should be noted:

•The ZTV has been generated using the proposed turbine locations for Sheirdrim.

•The proposed turbine blade tips heights of 135m and 149.9m 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 80km from the proposed Sheirdrim turbines.

SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	28/10/19	WR	First Issue.

1:100,000 Scale @ A3

0 2.5 5 Km

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Sheirdrim Renewable Energy Development - EIAR

Landscape and Visual Amenity

Zone of Theoretical Visibility to Blade Tip with Landsape Designations

Drg No	00481.00051.7.10.0
Rev	A
Date	28/10/19
Figure	7.10

Datum: OSGB36
Projection: TM