

**BLAIR HILL WIND FARM
EIA SCOPING REPORT**

SCOPING FIGURE 5.2

**ZONE OF THEORETICAL
VISIBILITY (ZTV) STUDY
- BAREGROUND (45KM)**

© CROWN COPYRIGHT, ALL RIGHTS RESERVED.
2023 LICENCE NUMBER 0100031673.

- Proposed Turbines (250m Tip, 165m Hub)
 - Site Boundary
 - Distance from Proposed Turbines (5, 15, 25, 35, 45km)
- Zone of Theoretical Visibility (ZTV) (computer generated)**
- Hub
 - Blade Tip
 - Proposed Viewpoints

- VP1: Drumwhim Cairn, Moor of Bardye
- VP2: Corsbie Road, Newton Stewart
- VP3: A75 south of Newton Stewart
- VP4: Glenvernoch Fell / Hill of Ochiltree
- VP5: NCR7 on Minor Road North of Glentroot Village
- VP6: Cairnsmore of Fleet
- VP7: Merrick
- VP8: A75 near Creetown
- VP9: Kirkcovan
- VP10: NCR73 on Minor Road North of Wigton
- VP11: Bonnigunoe Lookout
- VP12: Mochrum Lochs LLA, Moor of Drumwall
- VP13: Minor Road near Barhill Station
- VP14: Southern Upland Way near Artfield Fell
- VP15: A76 North of Whithorn
- VP16: Byne Hill
- VP17: A712 east of Corsock
- VP18: Southern Upland Way near Stranraer
- VP19: Sandhead

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the viewshed routine in the ESRI ArcGIS Suite. The areas shown are the maximum theoretical visibility taking into account topography only, which has been included in the model with the heights obtained from Nextmap 25. The model does not take into account any above ground features and therefore gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be noticeably less than that suggested by this plan and visibility from principal settlements is likely to be possible from peripheral areas only.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on Nextmap 25 terrain data and has a 25m² resolution.



LAYOUT DWG	n/a	T-LAYOUT NO.	PSCOrzo010
------------	-----	--------------	------------

DRAWING NUMBER
8866_SCO_FIG5.2_ZTV_BG

SCALE - 1:175,000 @ A1

**ENVIRONMENTAL IMPACT ASSESSMENT
SCOPING REPORT 2023**

THIS DRAWING IS THE PROPERTY OF RENEWABLE ENERGY SYSTEMS LTD. AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION

