

**BLAIR HILL
WIND FARM**

**ZONE OF THEORETICAL
VISIBILITY (ZTV) STUDY
- INCLUDING WOODLANDS
AND SETTLEMENTS**

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2023 LICENCE NUMBER 0100031673.

- Site Boundary
- Proposed Turbines (165m Hub, 250m Tip)
- Distance from Proposed Turbines
Turbines (2.5, 5, 15km)
- Proposed Viewpoints

- VP1: Drumwhin Cairn, Moor of Barclye
- VP2: Corsbie Road, Newton Stewart
- VP3: A75 south of Newton Stewart
- VP4: Glenvernoch Fell / Hill of Ochiltree
- VP5: NCR7 on Minor Road North of Glentrool Village
- VP6: Cairnsmore of Fleet
- VP7: Merrick
- VP8: A75 near Creetown
- VP9: Kirkcubbin
- VP10: NCR73 on Minor Road North of Wigtown
- VP11: Bennigunna Lookout
- VP12: Mochrum Lochs LLA, Moor of Drumwall
- VP13: Minor Road near Barhill Station
- VP14: Southern Upland Way near Artfield Fell

(Viewpoints 15-19 beyond map extents)

Zone of Theoretical Visibility (ZTV)

- Hub
- Blade Tip

Cumulative Wind Farms

- Operational
- Consented
- Application
- Scoping

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, principal woodlands and settlements, which have been included in the model with the heights obtained from Nextmap 25. It should be noted that in some areas woodlands included within the ZTV may comprise active forestry, resulting in the felling and replanting of some areas modelled in the ZTV study. The ZTV study reflects this pattern at a specific point in time, as it is based on real height information. Whilst the felling cycle will alter the heights of different areas of forestry over time, altering localised visual effects, the wider pattern will remain relatively constant.

The model does not take into account any localised features such as small copses, hedgerows or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan.

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 DATE: n/a | LAYOUT NO: PSCOrzo010

DRAWING NUMBER: **9103_PublicExhibition_ZTV**

SCALE - 1:45,000 @ A0

PUBLIC EXHIBITION, SEP 2023

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