BLOCH WIND FARM

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

Proposed Turbines

- 105m (Hub) / 180m (Tip)
- 125m (Hub) / 200m (Tip)
- 155m (Hub) / 230m (Tip)
- Site Boundary
- Distance from Proposed Turbines (2.5, 5, 15km)
- Proposed Viewpoints

VP1 - High Stenries
VP2 - Minor road near Barnglieshead
VP3 - Collin Burn
VP4 - Milltown
VP5 - Catfield
VP6 - B6318 north-west of Claygate
VP7 - Langholm Bridge
VP8 - Malcolm Monument, Langholm
VP9 - Longtown
VP10 - Burnswark Hill Fort
VP11 - A7 near Unthank
VP15 - Gretna Green/Springfield
VP16 - Kirkpatrick-Fleming
VP17 - Repentance Tower, Hoddom
(Viewpoints 12-14 located 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

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SCALE - 1:40,000 @ A0

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