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BLAIR HILL WIND FARM EIA SCOPING REPORT

SCOPING FIGURE 5.3

ZONE OF THEORETICAL VISIBILITY (ZTV) STUDY - INCLUDING WOODLANDS AND SETTLEMENTS (45KM)

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: Drumwhirn 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: Kirkcowan
VP10: NCR73 on Minor Road North of Wigtown
VP11: Benniguinea 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, 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 25m^2

LAYOUT DWG	T-LAYOUT NO.
n/a	PSCOrzo010

DRAWING NUMBER
8866_SCO_FIG5.3_ZTV_W&S

SCALE - 1:175,000 @ A1

ENVIRONMENTAL IMPACT ASSESSMENT SCOPING REPORT 2023