



LEGEND

- Turbines
- Distance from turbines (6.15km)
- Proposed Viewpoint Location

Zone of Theoretical Visibility (ZTV)

- Hub height (100m)
- Tip height (150m)

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 resolution.

B	Viewpoints amended on further feedback from CCC	ME	22/07/16
A	Viewpoints amended following meeting with CCC	ME	16/06/16
REV.	DESCRIPTION	APP.	DATE

LDĀDESIGN

PROJECT TITLE
BRECHFA NORTH ENERGY PROJECT

DRAWING TITLE
Figure 4 - Zone of Theoretical Visibility and Representative Viewpoints

ISSUED BY	Glasgow	T: 0141 222 9780	
DATE	April 2016	DRAWN	M
SCALE @A1	1:70,000	CHECKED	M
STATUS	Scoping	APPROVED	M

DWG. NO. 5072_ZTV_Scoping

No dimensions are to be scaled from this drawing.
All dimensions are to be checked on site.
Area measurements for indicative purposes only.

© LDA Design Consulting Ltd. Quality Assured to BS EN ISO 9001:2008
Sources: Ordnance Survey