

Renewables open optimised environments

Blade Tip Zone of Theoretical Visbility

No of Blade Tips Theoretically Visible

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The digital terrain model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 20km from turbine locations, OS Terrain 50 dataset (+/-10 m). The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is

	Blade tip:	180m	Observer height:	2m
	DTM:	OS Terrain 50	Surface features:	Excluded
	DTM resolution:	50m	Earth curvature:	Included

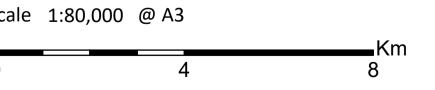


Figure 5.7b

Blade tip ZTV with viewpoints (A1)

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