



**Legend:**

- Proposed Ben Aketil Wind Turbines
- Distance Radii from Outermost Turbine (15, 30, 45km)
- Viewpoints

**Zone of Theoretical Visibility (Comparative 180m and 200m Blade Tip)**

- Light Blue: 180m and 200m blade tips turbines may be visible
- Yellow: 200m blade tips turbines may be visible

**NOTES:**  
 This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking topography into account.

This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 50m<sup>2</sup> resolution.

Coordinate System: British National Grid  
 Projection: Transverse Mercator  
 Datum: OSGB 1936  
 Units: Meter



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Rev	Date	Description	Drn	Chk	App

**Ben Aketil Wind Farm Repowering and Extension**



**TITLE:** Figure 1  
 Bare Earth Comparative ZTV 180m vs 200m option

617\_SH\_LAN\_PLI\_LANSH\_PLI\_Figure-1\_ComparativeZTV\_180m+200

0 5 10  
 Kilometres  
 Scale: 1:165,000 @ A1

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