



- Key:**
- Proposed Turbine Locations
 - Study Area
 - Areas to be felled initially to facilitate windfarm construction
- Turbine Visibility**
- 21T Layout
 - 19T Layout
 - Combined Visibility

PENCLOE
WIND ENERGY LIMITED

hepla

Pencloe Windfarm

Figure 4.1.4

**Comparative Blade Tip ZTV
(Comparison of the Pencloe 21 Turbine Layout
with the reduced 19 Turbine Layout)**

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* Aerial Photography Derived 2m DSM has been used for the majority of the ZTV, OS Terrain 5 data has been used within the areas to be felled.

NOTES: Calculated using Earth's curvature (radius 6360km) and atmospheric refraction coefficient of 0.075. Terrain data is derived from both Aerial Photography Derived 2m DSM and OS Terrain 5 gridded height data.

ZTV calculation only takes into account any surface features such as trees and buildings within the Aerial Photography Derived 2m DSM boundaries.

Blade tip height - 125m

ZTV view height - 2m

ZTV calculation resolution - 50m