



- Legend**
- Proposed Turbine Locations
 - Viewpoint Locations
 - ▨ Bannau Brycheiniog / Brecon Beacons
 - - - Distance from the Proposed Turbines
 - ▭ Local Authority Boundaries
 - 1 turbine may be theoretically visible
 - 2 turbines may be theoretically visible
 - 3 turbines may be theoretically visible
- 1 Dan-Y-Rhiw Terrace, West End, Abercarn
 - 2 Twmbarlwm Iron Age Fort summit
 - 3 Open space on Old Pant Road, Pantiside
 - 4 Trig point at the summit of Mynydd Maen/Mynydd Llwyd
 - 5 Open space on Fflorens Road, Treowen
 - 6 Mynydd Machen
 - 7 Rhyimey Valley, Ridgeway Walk
 - 8 Monnow Way, Bettws
 - 9 Pen-y-Fan Pond Country Park
 - 10 PRoW east of St. Iltyd
 - 11 Cefn Ffores/ Blackwood Show Fields
 - 12 B4236, Llanfrechfa
 - 13 Northern edge of Gelligaer
 - 14 Wellfield Close, west of Coed-y-paen
 - 15 Lasgarn Lane, BBNP
 - 16 Gelligaer Common and Rhyimey Valley Ridgeway Walk
 - 17 Caerphilly Common
 - 18 Rhyimey Valley Ridgeway Walk on Mynydd Mieu
 - 19 Rhyimey Valley Ridgeway Walk on Cefn y Brithdir
 - 20 Wales Coast Path, Newport
 - 21 Summit of Mynydd Carn-y-Cefn
 - 22 Bertholey House, Newbridge on Usk
 - 26 Raven Walk within the Mynyddislwyn SLA
 - 27 B-Road and PRoW within the Abercarn VILL

Notes: The study area is based on a 27km radius buffer that allows a minimum of 27km from each of the proposed turbine locations.

The ZTVs are calculated using ArcGIS Pro® software to generate the zone of theoretical visibility of the Proposed Development. This software creates a raster layer of the existing landscape and the Proposed Development using digital terrain data as follows:

Ordnance Survey Terrain 50m: Used to produce the main or standard ZTV plot and wirelines, these tiles provide a digital record of the existing landform of Great Britain, or Digital Terrain Model (DTM based on 50m grid squares and models representing the specified geometry and position of the proposed turbines. The computer model includes the entire LVIA Study Area and takes uses a 2m height value for surface offsets as viewer heights. DTM data sources from DataMapWales under the Open Government License for Public Sector Information (OGL) - National Parks data used under the same license.

Hub height: 112m
 Rotor diameter: 136m
 Height to blade tip: 180m

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PROJECT TITLE:
RHYSWG WIND FARM

DRAWING TITLE:
**FIGURE 6-4:
 DETAILED ZONE OF THEORETICAL
 VISIBILITY (ZTV) TO BLADE TIP WITH
 VIEWPOINT LOCATIONS**

CONFIDENTIALITY: PUBLIC

DRAWN: SG	CHECKED: SB	APPROVED: KW	AUTHORISED: DR
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