



- Legend
- Proposed Turbine Locations
  - Sustrans National Cycle Route
  - ▨ Bannau Brycheiniog National Park
  - ▨ Wye Valley National Landscape
  - ▭ Local Authority Boundaries
  - 27km LVIA Study Area
  - Distance from the Proposed Turbines
    - 1 turbine may be theoretically visible
    - 2 turbines may be theoretically visible
    - 3 turbines may be theoretically visible
- Long Distance Routes
- Bristol to Brecon Walk
  - Cambrian Way
  - Celtic Way
  - Cistercian Way
  - Ebbw Valley
  - Iron Mountain Trail
  - Monmouthshire Way
  - Raven Walk
  - Rhymney Valley Walk
  - Sirhowy Valley Walk
  - Taff Trail
  - Taith Torfaen Anytime Challenge
  - Torfaen Trail
  - Usk Valley Walk
  - Wales Coastal Path

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 files 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 and Long Distance Routes 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 6-14A:  
NATIONAL AND LONG DISTANCE  
RECREATIONAL ROUTES WITH ZONE OF  
THEORETICAL VISIBILITY (ZTV) TO BLADE  
TIP WITHIN LVIA STUDY AREA**

CONFIDENTIALITY: PUBLIC

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