



Foel Fach Wind Farm Limited.

Foel Fach Wind Farm – Environmental Statement Volume III

Appendix 4.2: Telecommunications Report

Project Reference: 664094

DECEMBER 2025



Energy for
generations





FOEL FACH WIND FARM, GWYNEDD: TELECOMMUNICATIONS REPORT

August 2025

Report No.25/1297/RSK

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1. Introduction

- 1.1 Aviatica has been commissioned to investigate the potential impact of a proposed wind energy development at Foel Fach, Gwynedd, on fixed telecommunications links in the surrounding area.
- 1.2 The Proposed Development comprises ten wind turbines, four with a maximum tip height of 200 metres above ground level (agl) and six with a maximum tip height of 220 m agl.

2. Telecommunications Baseline

- 2.1 Interrogation of the Ofcom Spectrum Information Portal and Wireless Telegraphy Register has found no fixed microwave links crossing or within 2 km of any of the proposed Foel Fach wind turbines. Wind turbine effects on fixed microwave links do not occur at turbine-to-link distances greater than 1 km. It is therefore concluded that the Proposed Development will have no effects on fixed microwave telecommunications links.
- 2.2 Wind turbines can also have adverse effects on fixed telecommunications links in the Ultra High Frequency (UHF) band. These include scanning telemetry links operated by the energy and water industries and terrestrial television re-broadcast links operated by Arqiva.
- 2.3 The Joint Radio Company (JRC) was consulted on 5 June 2024 to determine if it operates any scanning telemetry links in the vicinity of the Application Site (herein the Site). JRC confirmed on 19 June 2024 that it has no potentially affected links in the vicinity.
- 2.4 Dŵr Cymru was consulted on 5 June 2024 to determine if it operates any scanning telemetry links in the vicinity of the Site. It confirmed on 17 June 2024 that it has no potentially affected links in the vicinity.
- 2.5 Arqiva was consulted on 5 June 2024 to determine if it operates any television re-broadcast links in the vicinity of the Site. It confirmed on 11 June 2024 that it has no potentially affected links in the vicinity.



3. Summary and conclusions

- 3.1 There are no fixed microwave telecommunications links within 2 km of any of the proposed Foel Fach turbine positions. It is concluded that the Proposed Development will have no effects on fixed microwave telecommunications links.
 - 3.2 There are no other fixed telecommunications links such as scanning telemetry and TV re-broadcast links in the vicinity that may be affected by the Proposed Development. It is concluded that the Proposed Development will have no effects on scanning telemetry or TV re-broadcast links.
 - 3.3 It is concluded that the Proposed Development will have no effects on fixed telecommunications links.
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