



**STATEMENT OF COMMON GROUND
NOISE (including noise related health issues)**

**IN RELATION TO AN APPLICATION BY RES UK & IRELAND LIMITED
DATED
27 MARCH 2009
FOR CONSENT TO CONSTRUCT AND OPERATE A WIND TURBINE
GENERATING STATION
IN
POWYS, MID-WALES**

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INTRODUCTION

1. This Statement of Common Ground is prepared on behalf of RES UK & Ireland Limited ('RES') for agreement with Powys County Council in relation to an application for consent pursuant to section 36 of the Electricity Act 1989 to construct and operate the Llanbrynmair wind turbine generating station in Powys, Mid-Wales.
2. This Statement of Common Ground relates to noise including noise related health issues.
3. No Reason for Objection has been issued by Powys County Council on noise grounds.
4. The Alliance object to the Development on noise grounds.

OPERATIONAL NOISE

5. Baseline noise measurements have been carried out at 5 locations around the site and used to derive noise limits for the most affected properties in the area according to the methodology described in ETSU-R-97, *The Assessment and Rating of Noise from Wind Farms*, dealing with wind shear in the manner described in the Institute of Acoustics (IoA) *Good Practice Guide to the Application of ETSU-R-97 for the Assessment and Rating of Wind Turbine Noise*.
6. Operational noise has been predicted following the guidance contained in the IoA Good Practice Guide and compared with the relevant noise limits, at the most affected properties, as derived from the baseline noise measurements carried out.
7. It is agreed that the relevant limits are met in all cases.

CONSTRUCTION NOISE

8. Construction noise has been assessed according to methodologies prescribed in BS5228, 2009, *Code of Practice for Noise and Vibration Control on Construction and Open Sites, Part 1 – Noise*.

9. It is agreed that the relevant limits are met in all cases providing construction activities are restricted to weekdays (0700-1900) and Saturday mornings (0700-1300).

THIRD PARTY OBJECTIONS

10. The Outline Statement by The Alliance is to the effect that not one of the six developments should be allowed on the grounds of, inter-alia, *'imposition on the local community of intolerable exposure to health hazards'* (which may or may not relate to noise) and that they will also *'inflict on the residents living in close proximity a volume and type of noise which will cause serious harm to their residential amenity'*.
11. It is agreed that the assessment presented in the August 2013 SEI demonstrates that operational and construction noise will not cause harm to residential amenity.
12. It is also agreed that predicted noise levels, or other possible noise effects, are insufficient to cause direct effects on human health.

PLANNING CONDITIONS ON NOISE

13. A draft planning condition on operational noise will be proposed to ensure that noise from the Llanbrynmair wind turbine generating station operating either alone, or in conjunction with the adjacent Carnedd Wen wind turbine generating station, will operate within the derived ETSU-R-97 noise limits.
14. Construction noise will also be regulated through a condition to be agreed.

This Statement has been agreed by:

Signed.....

On behalf of RES

Date.....

This Statement has been agreed by:

Signed.....

On behalf of PCC

Date.....