Mynydd y Gwynt Limited

Mynydd y Gwynt Wind Farm
Grid Connection Statement
Document Reference: MYG-AD-10

Required document as set out in Section 6(1)(a)(i) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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Statement in relation to Grid Connection

1. This Grid Connection Statement (the "Statement") relates to a proposal by Mynydd y Gwynt Limited ("MYG") to construct and operate an onshore wind farm at the Sweet Lamb Rally Complex. The wind farm would be a generating station with an installed electrical generating capacity of between 81 and 89.1 megawatts ("MW").

2. It is necessary to apply to the Planning Inspectorate ("PINS") for development consent to construct and operate the Mynydd y Gwynt Wind Farm. This Statement forms part of a suite of application documents which must accompany an application to PINS submitted in accordance with Section 37 of the Planning Act 2008 and Regulations 5 and 6 of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the "APFP Regulations"). The application to PINS seeks the making of the proposed Mynydd y Gwynt Wind Farm Order, which would confer the powers sought.

3. The Statement has been prepared in accordance with Regulation 6(1)(a)(i) of the APFP Regulations. It has been submitted because the application is made for the construction of a generating station. As set out in clause 6 (1)(a)(i) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009, any application for the construction or extension of a generating station must be accompanied by: 'a statement of who will be responsible for designing and building the connection to the electricity grid'.

4. The application site is located on the Sweet Lamb Rally Complex in Powys, mid Wales. The site is almost halfway between the villages of Ponterwyd and Llangurig. The application site comprises an area of approximately 584ha around Y Foel, an area of land on the north side of the A44 in the Cambrian Mountains. The turbine elevation onsite ranges from 435 to 529 metres AOD. The location of the application site is shown in **Figure 1.1** in the Environmental Statement ("ES") and the site is more fully described in **Chapter 2** of the ES.

Summary

5. Electricity in this part of Powys is supplied by Scottish Power Manweb plc ("SPM"), who is the relevant Distribution Network Operator pursuant to an electricity distribution licence issued in accordance with the provisions of the Electricity Act 1989 as amended.

6. A final grid connection application for an 81-89.1MW connection has been submitted by MYG in mid-May 2014 following lengthy discussions with SPM. SPM now has a statutory duty to produce a grid connection offer within 90 days.

7. Previous connection offers have been made by SPM, the latest in February 2013. During discussions with SPM they have confirmed the Mynydd y Gwynt Wind Farm will export electricity to the new Mid Wales West 132kV Substation planned near Cefn Coch. SPM have indicated their current plans are to connect into the planned 132kV line which will export electricity from the Carno III wind farm project. The combined output of Mynydd y Gwynt and Carno III wind farms shall be carried on a single 132kV overhead line to the Mid Wales West Substation.

8. New electrical infrastructure is required to export electricity from the proposed wind farm. The proposed grid connection comprises the following:

- Approximately 1km of underground 132kV cable and 13km of 132kV overhead line from the new Mid Wales West 132kV Substation to the Carno Substation.

- Approximately 18km of 132 kV overhead line from Carno Substation to the Mynydd y Gwynt Wind Farm on site Substation (Note- these figures are based on an indicative corridor only and are subject to change).

- New electrical equipment at the existing Carno Substation.

- New electrical equipment to enable connection of the wind farm to the distribution network. This equipment would be located at the onsite substation.

Responsibilities

9. MYG would be responsible for designing and building the following elements of the grid connection:

   - onsite cabling between turbines and connecting to the onsite substation; and

   - the onsite substation comprising an enclosed hard standing compound of approximately 2050m2 within which a control building to house switchgear and control equipment will be located.

10. SPM will be responsible for designing and building the connection from the onsite substation to the electricity grid (distribution network) including the elements detailed above.

11. The contact details for SPM are as set out below:

    SP Manweb PLC
    Prenton Way
    Birkenhead
    Wirral
    CH60 3ET

12. The connection to the grid will form a separate application for consent. This application will be the responsibility of SPM.