



Site Assessment

When a client is interested in employing renewable energy into their premises, the first step is to contact Shetland Wind Power Ltd who will conduct a site assessment.

Factors assessed include:

- Premises size,
- Household size and requirements,
- Physical site characteristics, and
- Level of investment the client wishes to employ.

Following this initial assessment, a series of specific recommendations are drawn up and presented to the client

Planning process & grant applications

When a specific package is identified, discussed and agreed upon; the next step is to begin the planning process. In the case of a wind turbine development a Proven planning pack is presented to the client containing comprehensive information on the proposed turbine.

The next step is for the client to conduct a pre-planning enquiry to the local planning department. This involved a visit to the planning department to outline the proposed development and acquire Ordnance Survey charts on which to draw the location and site plans. Additional information essential to the application include noise impact assessments.

The completed Ordnance Survey charts and information are then presented to the planning department in order to grant or refuse the application.

Following a successful planning application, Shetland Wind Power Ltd can supply the relevant grant application forms. Grants available include originate from the Scottish Community and Householder Renewables Initiative, under the Energy Savings Trust; also from the Low Carbon Buildings Programme (LCBP).

Site works & complete system installation

When all planning and grant applications have been dealt with and finalised, the next step is to physically install the specific system.

In terms of a wind system:

- Concrete foundation is erected,
- Connections established between generator and premises,
- Electrical system installed within the premises,
- Turbine erected and brought online.

Processes vary depending on the nature of the specified system.

In the case of a grid-connected system, Shetland Wind Power Ltd conduct a pre-connection notification with the local energy company. Following this notification, a physical connection is established.

Claiming Rocs

When a grid connected system is installed from which the client wishes to generate income, a Buy & Sell Back agreement must be made with any licensed energy supplier. This is purely theoretical agreement which states that they buy your energy and vice versa. When this agreement has been reached, the client is then presented with a utility number with which to enter into the Accreditation Certificate – supplied by UK energy regulator OFGEM.

This Accreditation Certificate is essential to becoming accredited. Following accreditation, a Renewable Obligation Certificate (Roc) is awarded for every megawatt of energy generated by the system. These Rocs can then be sold to any willing customer at the end of each year, at profit to the client.

Servicing

Following system installation, periods of servicing and warranty can be negotiated with Shetland Wind Power Ltd.