

KELBURN WIND FARM



Construction Newsletter 1

June 2010

Welcome to the first in a series of newsletters from RES designed to keep the local community informed throughout the construction process of Kelburn Wind Farm.

Since receiving consent to build the 14 turbine wind farm in August 2009, we have been preparing the project for construction. We have submitted our Construction Method Statement to North Ayrshire Council and this has been approved together with all pre construction planning conditions. Kelburn Wind Farm is now ready for construction and work will start at the beginning of June 2010.

How will the wind farm be constructed?

Civil Engineering Works

Construction at Kelburn will start in June 2010 and we expect the wind farm to be delivering clean green electricity by autumn 2011.

Civil engineering works will start with the preparation of the access tracks, which will allow the turbines to be erected and serviced. Where possible, we shall endeavour to use site material to enable road construction on-site reducing the number of heavy goods vehicle journeys to the site. A control building and substation compound will be built on the wind farm to carry the electricity generated to the local grid via an underground cable to the substation at Fairlie. Works are planned to continue until March 2012 with the most active period being June 2010 – April 2011.

Traffic Management

The first part of the construction process will see the preparation of the site entrance. This will require traffic lights to be placed on the A760 and they will be on the road intermittently between June and August. A traffic light system will be used to ensure the safety of all road users and RES will endeavour to keep all

disruption to a minimum. Over the next few weeks you can expect to see a lot of ground level work at the site entrance. Local people will notice an increase in traffic to and from the site during the construction of the access tracks and turbine foundations, this is being carefully managed to minimise congestion on the A760.

Turbines

The concrete foundations will be prepared between September 2010 and February 2011. The wind turbines will be delivered in parts and assembled on site. The delivery of the blades, towers and nacelles is expected to begin in mid summer 2011. The nacelles are the box-like structures at the top of the tower, which house the gear box and generator. The turbines will be transported from Ayr on special heavy goods vehicles with a police escort. Further details will be circulated to local residents nearer the time.

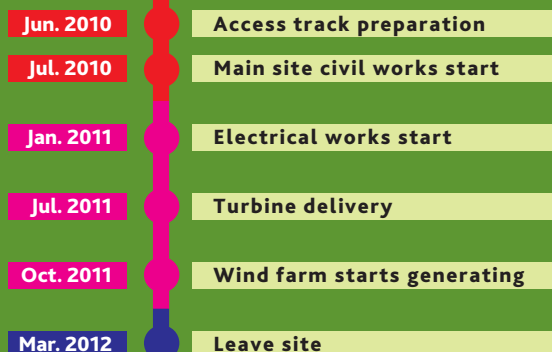
Once the turbines arrive on site they will be installed. The steel towers are bolted on to the concrete foundations. The blades are made from reinforced glassfibre and are lifted into position. Once wind turbine erection is complete, there are fewer traffic movements. The wind farm will have an operational life of 25 years and funds for its decommissioning have been set aside with the council

In line with RES's policy, we will endeavour to use local companies wherever possible during the construction phase.

Entrance to the wind farm site



ON-SITE ACTIVITY TIMELINE



Construction progress

Safety is our number one priority and we ask you not drive into the site entrance at the A760 or stop along the road to view the construction. You can view our progress on the website, where we will post photos, or by walking up Farlie Glen. Once the project is operational there will be a waymarked route up to the wind farm.

Community Benefit

We are proposing a community fund of approximately £42,000 per annum. We would like to create a charitable trust made up of a board of directors who can award the funds to projects that directly benefit local people. If you have any views on how the community fund should work please contact Rachel Anderson.

RES is particularly keen to see local communities benefiting from our wind farms; we will be sponsoring the Kelburn Garden Party 2010 (www.kelburngardenparty.com) and are also supporting North Ayrshire Swimming Club, Largs Agricultural Show and Largs Academy to participate in the Atlantic Rising project (www.atlanticrising.org)



Construction of a typical wind turbine foundation

Community funds are operating successfully at other RES wind farms in the UK. For example, at Althullion Wind Farm in Northern Ireland, the fund has been spent on the creation of a new community riverside pathway and footbridge, entertainment activities for family fun days, summer schemes for local children, and the maintenance and running of community buildings.

At Black Hill Wind Farm, in the Borders, the fund has been used to prevent a local nursery school from closing. At Forss Wind Farm, in the Highlands the fund has been spent on the erection of Christmas lights, swimming training camps, sports equipment for the local beaver group and educational trips for students.

Site layout



Kelburn Castle and Country Centre

A760

Main access track

Brown Hill

A760

Site entrance:
Construction traffic will enter and leave site through this entrance

Muirhead Reservoir

A760

Campbell Reservoir

Control room and substation compound

Blaeloch Hill

Temporary construction compounds

Permanent anemometer mast:
This is used to monitor wind farm performance

Green Hill

Sheep Hill

Langside Hill



Wind turbine delivery vehicle at Glens of Foudland

RES in Scotland

RES is one of the world's leading independent renewable energy developers. We play a vital role in developing and constructing projects that contribute to Scotland's energy supply. RES has developed and/or built over 4.7 GW of wind capacity worldwide. In the UK, we are responsible for the development of around 10% of the current wind energy capacity. In Scotland, RES has built seven projects, including the recently completed Dun Law Extension in the Borders.

At RES we are proud of our reputation for designing projects that optimise power performance whilst minimising any effects on local people and the environment. We work closely with communities, local authorities and independent experts to ensure our wind farms are built to the highest standards. We want to be good neighbours and listen to and address any questions or concerns you may have. Please contact Rachel Anderson in the first instance.



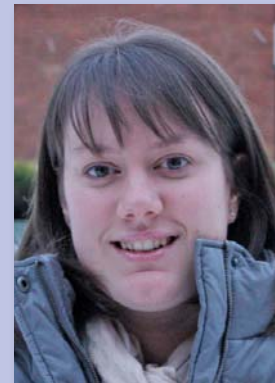
Meet the team



Paul Nicolson

Construction Site Manager
paul.nicolson@res-ltd.com
07824 313 384

Paul is in charge of the construction of the wind farm and can be contacted if you have any concerns during the construction period.



Rachel Anderson

Communications Relations Manager
rachel.anderson@res-ltd.com
07795 680 803

Rachel handles the local community liaison and is your point of contact for information about the wind farm, the community fund and any media enquiries.



Benefits of Wind Energy

Scotland has one of the best wind resources in Europe. By utilising this abundant and free resource we can generate electricity without the need for fossil fuels and harmful emissions such as carbon dioxide. Wind is a tried and tested way of generating electricity and, as Scotland moves from centralised large traditional power stations, such as coal and nuclear, to a more decentralised energy generation wind can play a vital part in this transition. Wind generates clean and secure electricity and contributes to legally binding renewable energy targets.

Website

We have created a dedicated website where you can find further information on the project. We will also post updates on the construction work and photographs as the project progresses.

www.kelburn-windfarm.co.uk

RES works to the highest quality, environmental and safety standards when undertaking any construction project and is fully registered under ISO9001:2000 (Quality) and 14001:2004 (Environmental). Should you see anything that concerns you please let us know immediately. Contact Paul Nicolson, tel: 07824 313 384.

Key Facts:

- **Location:**
Kelburn Estate
- **Number of turbines:**
14
- **Total installed capacity:**
28MW
- **Electrical generation:**
approximately 11,000 households per year – equivalent to approximately 18% of the households in North Ayrshire*.
- **Community benefits:**
Community fund of £42,000 per year.

*Based on RES studies and annual average homes consumption figures from Department of Energy and Climate Change, 2008.



For those receiving this newsletter by post, we obtained your address through a national post-code database. If you do not wish to receive further information from us about this proposal, please write to us and let us know.

For further information, please contact:

Rachel Anderson
Communications Relations Manager
RES UK & Ireland
Third Floor, STV
Pacific Quay
Glasgow
G51.1PQ

Tel: : 07795 680 803
www.res-group.com
email: rachel.anderson@res-ltd.com

Any more questions?

We would be happy to cover any issues in more detail in forthcoming newsletters. If you have any suggestions, please let us know.

More information about wind power can be found at the following websites:

www.scottishrenewables.com

www.bwea.com

Wind with Miller – fun stuff for kids:
<http://windwithmiller.windpower.org/en/kids/index.htm>

Renewables for your home: www.energysavingtrust.org.uk