

## Kype Muir Wind Farm Proposal

**You are invited to public exhibitions on:**

<b>Tuesday 29 March 2011</b>	Public Institute, New Street, Stonehouse ML9 3LT
<b>Wednesday 30 March 2011</b>	Jubilee Hall, Wellwood Road, Lesmahagow ML11 0DE
<b>Thursday 31 March 2011</b>	Sandford Hall, Strathaven Road, Sandford ML10 6PG
<b>Tuesday 5 April 2011</b>	Gilmourton Hall, Ryelands, Gilmourton, Strathaven ML10 6QN
<b>Wednesday 6 April 2011</b>	Strathaven Hotel, Hamilton Road, Strathaven ML10 6SZ

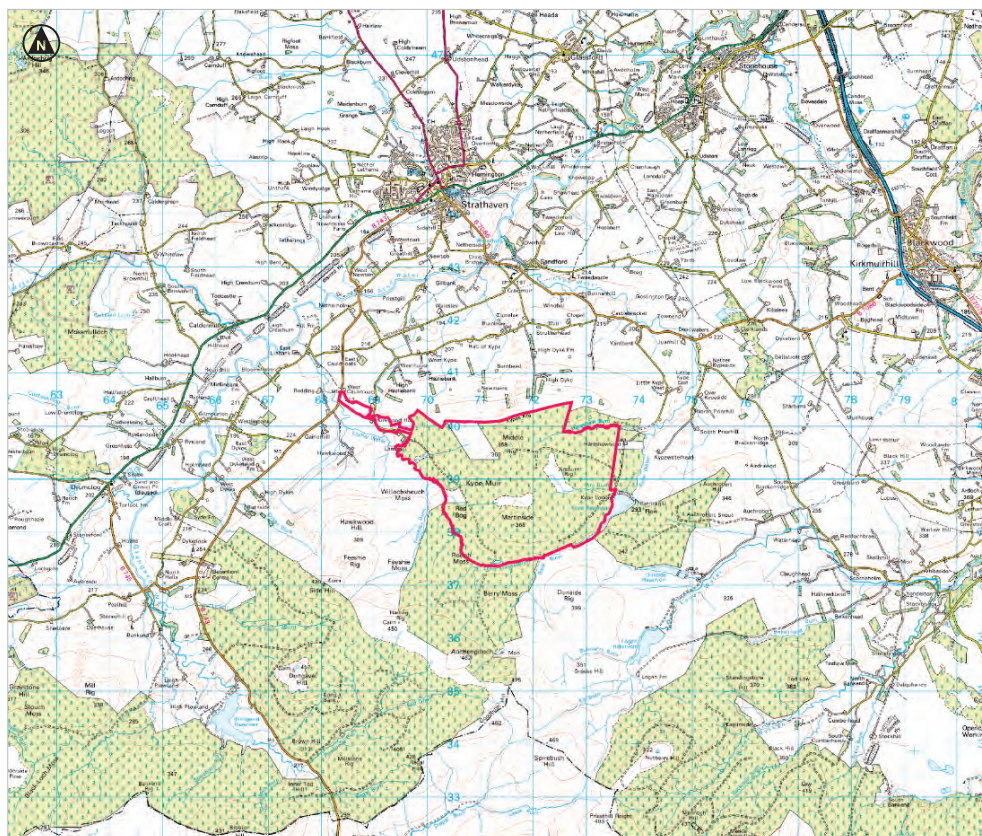
**Between 3pm and 7pm at all venues**

ABOVE: Turbines shown are 100m to tip in height at West Durham Wind Farm

Banks Renewables is holding public exhibitions to involve local residents and the community in our proposals for a wind farm comprising of 26 turbines located to the south of Sandford and Strathaven.

Banks Renewables initially held exhibitions in December 2008, these proposed exhibitions will provide details of the updated scheme. The exhibition will give you the opportunity to:

- View details of the proposed Kype Muir wind farm
- Speak to members of the project team and ask them any questions you might have
- Find out about renewable energy and the benefits of this proposed project
- Give us your views about our proposal on feedback forms



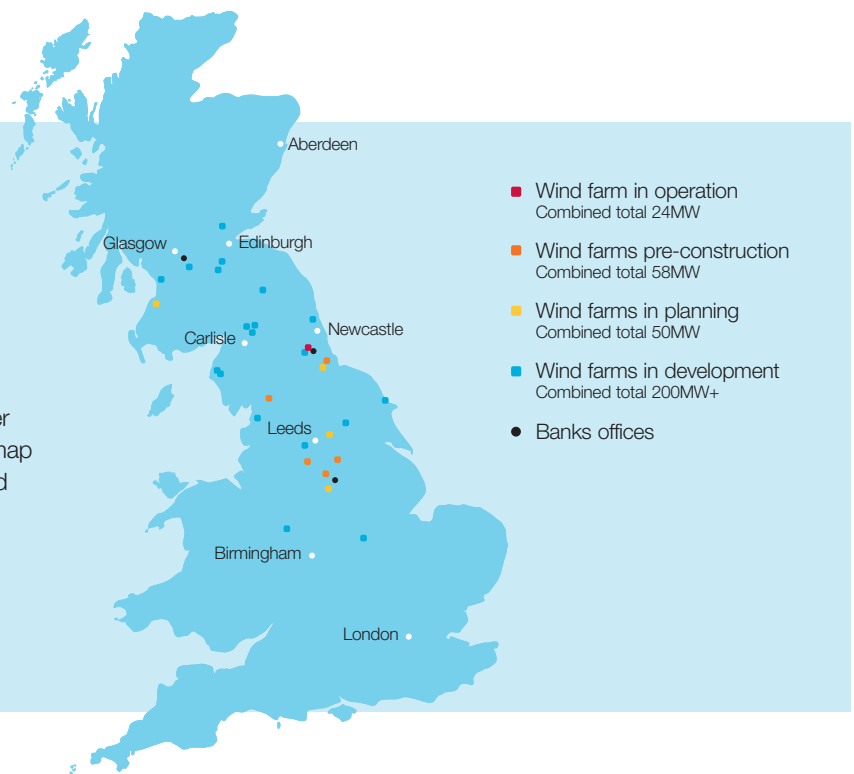
Site location - application boundary shown by red boundary

## Who we are

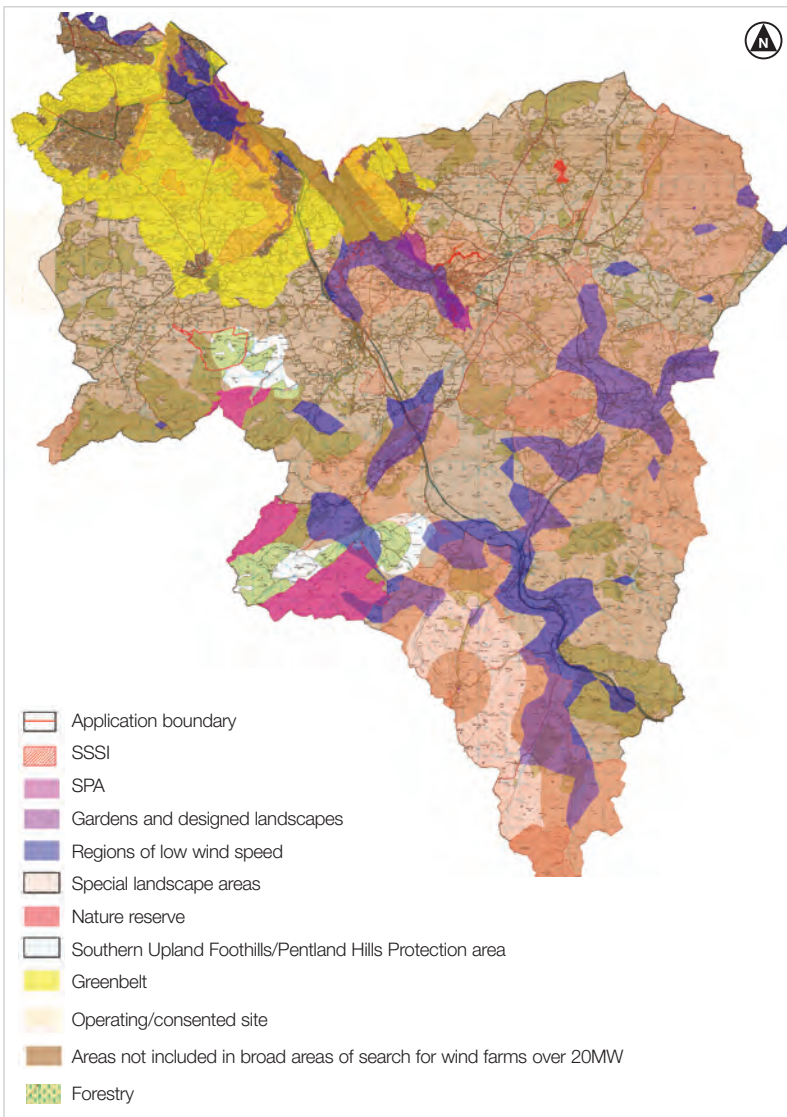
Banks Renewables is part of the Banks Group, which has been successfully developing projects for over 35 years and employs approximately 360 people.

Banks Renewables identifies suitable sites for onshore wind farms, as well as looking at opportunities for other forms of renewable energy generation. Opposite is a map of the UK showing the locations and status of our wind farm projects.

We actively involve local communities at all stages of the development process and we are committed to our development with care approach.



## Why Kype Muir?



Banks Renewables' sieve map showing constraints within South Lanarkshire

We have identified a site at Kype Muir which is not subject to international or national landscape, ecological or cultural heritage designations.

A capacity assessment carried out on behalf of South Lanarkshire Council by Ironside Farrar (an independent environmental consultancy) demonstrated that this part of South Lanarkshire has potential for a wind farm. This area was highlighted as an area of search in their site identification process as a suitable area due to the relatively low number of constraints.

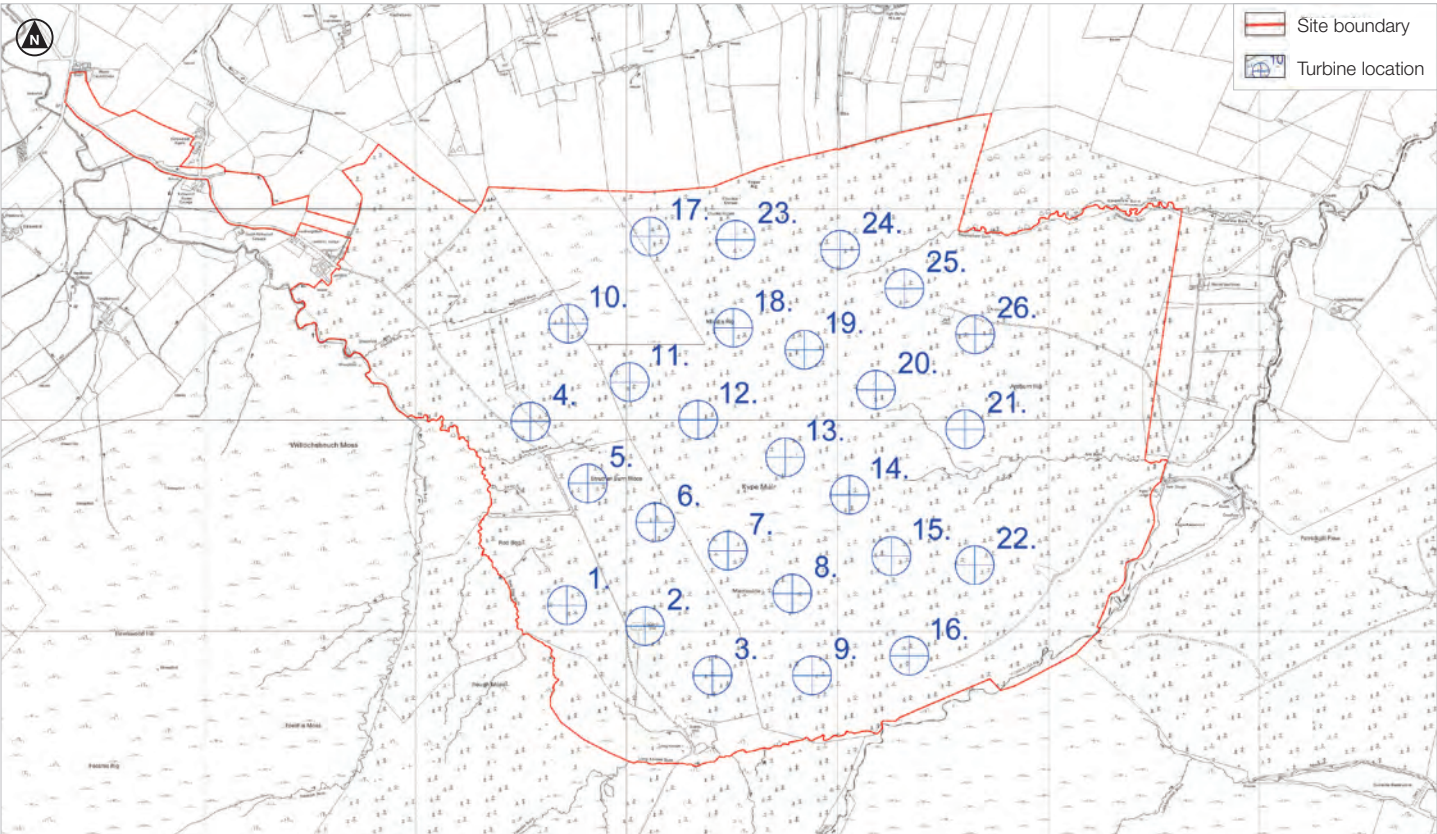
A detailed mapping exercise has been undertaken by Banks Renewables. Once the various constraints to development were combined onto one map a limited number of areas in the district were identified. We have looked at each of these areas in more detail and in our opinion the Kype Muir site is considered to be an optimal location for accommodating a commercially viable wind farm development.

In addition, the environmental statement demonstrates that the site has suitable highway access and is a sufficient distance from residential properties so that there are no unacceptable noise effects.

In 2010 the Scottish Government increased its national renewable energy targets, resetting the overall strategy for 2020 to 80% of all electricity produced to come from renewable sources. Renewing the targets followed news that Scotland is expected to surpass its 2011 target of 31%, with the Scottish Government adding that Scotland's capacity had been underestimated and that progress could be accelerated with little change to the current planning and legislative framework.



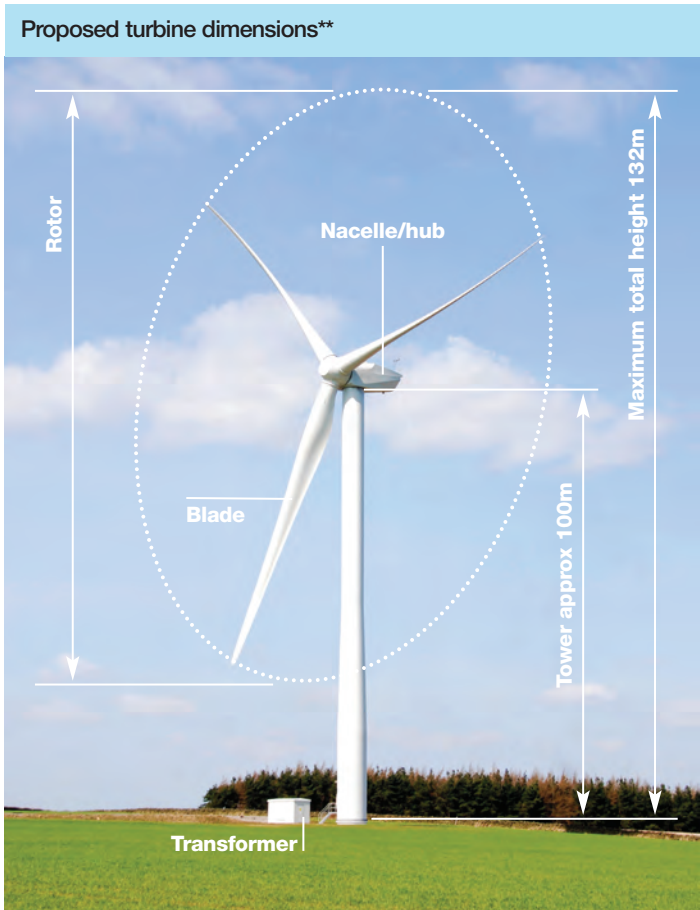
# Site layout



Site layout plan showing proposed turbine locations

## Project key facts

Number of turbines: 26
Dimensions of turbines: The turbines will be no higher than 132m to blade tip
Life span: 25 years
Current land use: Commercial forestry
Location: Located south of Strathaven
Potential amount of energy generated: Installed capacity of 88MW, providing enough electricity to for approximately 49,280 homes*
Grid connection: The grid connection for the proposed wind farm would be overhead (on wooden poles) or underground



\*Included as per advice from ASA to the BWEA (September 2008) \*\*Image for illustrative purposes only (100m-to-tip turbine at West Durham Wind Farm)



# Wind farm visualisations

**Viewpoint 3:** From Lethame Road, Strathaven (based on 132m turbines)



**Viewpoint 5:** From Sandford (based on 132m turbines)









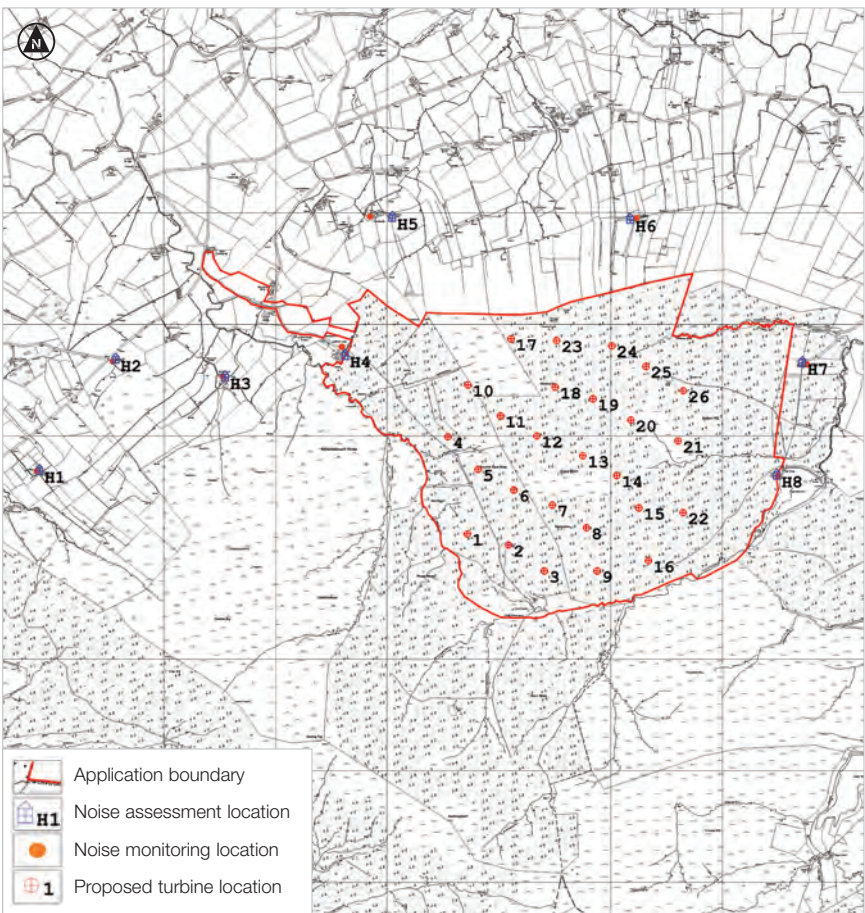
# Noise

We have undertaken noise monitoring at locations shown on the map opposite.

The table below shows what the background noise levels are currently and what the predicted level of noise would be from the proposed turbines at those locations. (The noise levels are based upon the use of REpower 3.4M turbines).

Location	Existing Amenity Hours Background Noise Levels dB(A) L <sub>90</sub> at 10m/s wind speed	Predicted Turbine Noise dB(A) L <sub>90</sub> at 10m/s wind speed
H1	39.4	27.8
H2	46.7	29.5
H3	46.4	32.8
H4	41.9	37.8
H5	44.1	35.3
H6	41.1	38.1
H7	39.7	37.7
H8	41.9	40.0

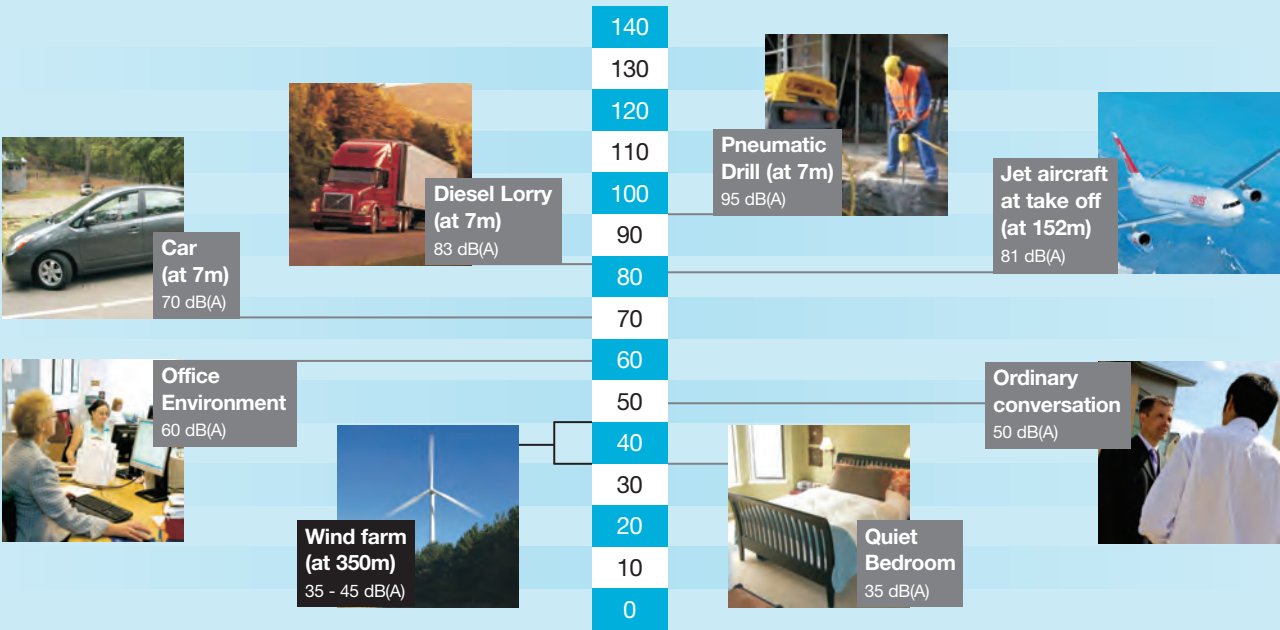
This table shows that the predicted turbine noise at each location is lower than the existing background noise (at 10 m/s wind speed).



Noise monitoring locations plan

## Decibel Scale

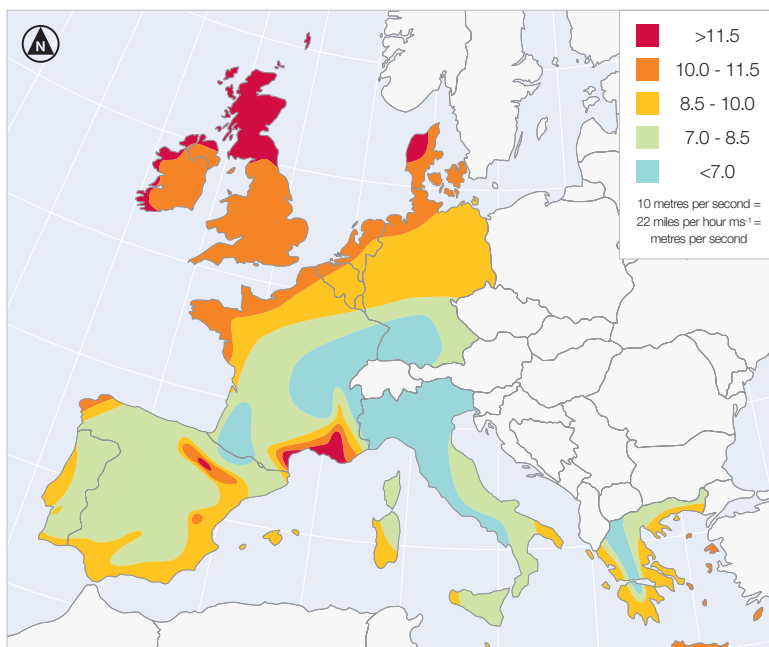
The scale below puts wind farm noise into context by comparing noise sources and activities in dB(A).



Source: Scottish Planning Advice Note 1/2011: Planning and Noise

# Benefits of the project

- The scheme, if permitted, will generate enough electricity for approximately 49,280 homes per annum, substantially contributing to the Scottish Government's revised renewable energy target of 80% of all electricity used nationally to be produced by renewable sources
- Proposed community partnering approach to assist local communities in the development and implementation of local projects
- Guaranteed community benefits package of approximately £7 million providing the finance necessary to implement projects identified by communities
- The construction of the proposed scheme would generate new construction contracts to regional based companies which will:
  - Support local construction jobs – reasonable endeavours will be taken to ensure that construction contracts, where possible, will be granted to locally based companies
  - Support to Scotland's growing renewables energy industry
  - Apprenticeships and investment in education – proposals being developed with South Lanarkshire College to provide specific courses and apprenticeships linked to the development of the wind farm



Wind speeds across Europe - 50m above ground level (ms<sup>-1</sup>)

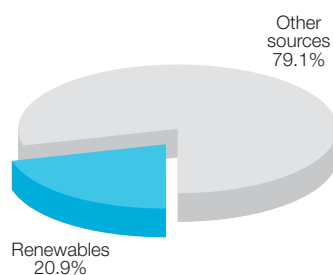
## Wind power facts

- Wind farms are the most proven form of renewable energy generation.
- Wind turbines generate clean electricity, on average, 85% of the time.
- In approximately 7-8 months (depending on wind resource and other factors) a wind farm will pay back the energy used to construct it - this includes manufacture, transportation and building the wind farm. This means that after this time the electricity generated is a carbon free source of power.
- Scotland is one of the windiest countries in Europe (see opposite).
- The onshore wind industry employs around 4,100 people in the UK.

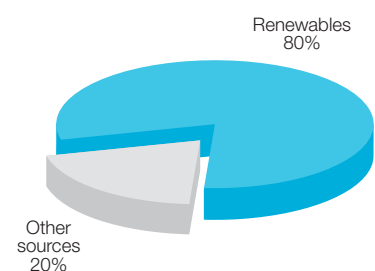
## Electricity generation

Wind farms are needed in Scotland to generate more electricity from renewable sources. This is to enable us to meet the 2020 targets for electricity generation. This will ensure Scotland reduces its CO<sub>2</sub> emissions, as well as providing a secure supply of electricity - reducing our reliance on imports. It is estimated that if the EU's 2020 targets are met, the associated investment in renewable energy could create up to 160,000 jobs across Europe.

Scottish electricity generation in 2009\*



Scottish electricity generation targets 2020\*\*



Source: \*Scottish Renewables \*\*Scottish Government



# Community benefits



Glenboig Village Park Community Play Area Group received £10,000 towards the construction of their new play park



Holytown United has received year on year sponsorship from Banks providing football strips and training equipment

## Banks Community Fund

Organisations and groups close to a proposed or operational Banks site are eligible to apply for a grant from the Banks Community Fund.

Organisations can apply for funding regardless of whether or not they support Banks' schemes.

We have awarded over £1,000,000 in grants that have benefitted 80,000 people. Funding is available now, please contact us to find out how to apply for a grant (contact details are below).

## Community benefits

Banks Renewables is committed to working with local people to deliver real benefits in connection with our projects.

Please contact Siobhan Samson (contact details below) for more information or if you have any suggestions of any community projects that could benefit from funding.

## What next?

It is anticipated that a planning application will be submitted to the Scottish Government at the end of April 2011.

As the wind farm is in excess of 50MW it will be submitted as a section 36 application under the Electricity Act and therefore falls to be considered by the Scottish Government.

The application will be advertised for any representation and observations in the local press once submitted to the Scottish Government.

## Tell us what you think

To find out more information about the Kype Muir project come to an exhibition detailed overleaf. If you are unable to attend we would still like to know your views. Please contact:



Siobhan Samson  
Community Engagement Coordinator

T: 0844 209 1515\*

E: [kypemuir@banksgroup.co.uk](mailto:kypemuir@banksgroup.co.uk)

W: [www.banksgroup.co.uk](http://www.banksgroup.co.uk)

\*Calls to 0844 numbers are charged at local rate from a BT landline. Charges from mobile phones and other networks may vary. The alternative number for calls from mobile phones is 0191 378 6100.

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