MOSSLEY HOUSE FARM WIND TURBINE PROJECT COMMUNITY CONSULTATION

DC21
Wind Turbine Specialists

Authorised Distributor
Endurance wind power
we power the future

WELCOME

DC21 Ltd will be submitting a planning application for a small wind energy development on the land at Mossley House Farm.

This consultation is intended to give local people and other interested parties some information about the proposed development and let them know how they can get involved.

WHO WE ARE

DC21 is a small but growing renewable energy business based in Huddersfield. Small wind energy developments are our main activity and this activity has already created a considerable amount of work both for us and for our local contractors. As we expand, further job opportunities within the company for residents of Yorkshire are envisaged and with ownership of the company firmly rooted in the North of England this region is where DC21's profits will be most strongly invested.

We are not a wind farm developer, we work exclusively with Endurance Wind Turbines. These turbines are considered by wind industry and landscape planning professionals to be of the small or small-medium scale. They are designed for on-site generation. This will be generation of low carbon electricity for direct use in buildings, with excess power flowing to the grid. Our projects offer a more sensitive solution in rural landscapes than large wind farms. They also offer greater direct benefit to local people and businesses .

WHAT WE ARE PROPOSING

We propose to install one 85kW wind turbine with a maximum height of 36.6m to blade tip. The proposed turbine is significantly smaller than the turbines found in a wind farm which can reach up to 130m.

The land at Mossley House Farm is ideal for a small wind energy development. The open countryside will allow a smooth flow of wind to the turbine and wind speeds on site reach at least 7.0 metres per second which is ideal. This clear, windy site means that when fully operational the proposed turbines should generate around 303,900KWh of electricity each year. That's the equivalent of the electricity used in 74homes. It also represents a potential annual carbon dioxide saving of 182 tonnes or 5,462 tonnes over the 30 year lifetime of the project.

The power generated by the proposed turbines will be exported to the National Grid. As electricity always travels to the nearest point of demand this surplus will be used locally thus providing direct local benefit. It will almost certainly not leave the local distribution network.

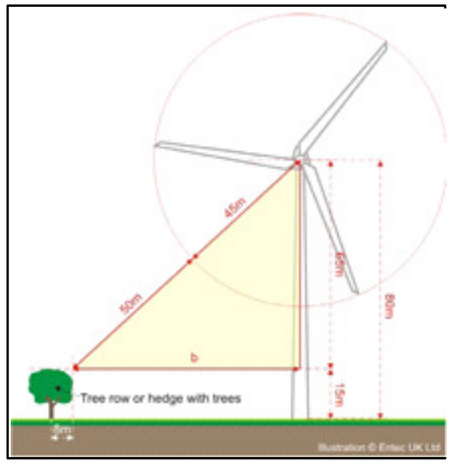
If permission is granted the wind turbines would have a lifespan of around 30 years after which it could be removed and the land returned to its former condition. Turbines of this size have relatively small foundations and do not require the creation of a permanent service road, meaning their physical impact on the landscape is minimal.

BENEFITS OF THE TURBINE:

- Help, support and diversify a rural farming business.
- Provide an income for the landowner, which will be used in growing the farm business.
- Create employment opportunities through the growth of the farm business.
- Create employment opportunities during the construction, maintenance and decommissioning stages of the turbine.
- Generate around 303,900kWh of electricity each year.
- Annual carbon dioxide saving of 182 tonnes or 5,462 tonnes over the 30 year lifetime of the project.
- Aid the Goverment in meeting CO_2reduction targets by 2020.
- Help tackle climate change. Through the production of renewable energy.

KEY CONSIDERATIONS WHEN CHOOSING TURBINE LOCATION

- NOISE EMISSIONS - The turbine has been located to fall within the required separation distances. There will be no noise disturbances to neighboring properites. Following the ETSU-R-97 Guidlines "The Assessment and Rating of Noise From Wind farms"
- SHADOW FLICKER - Guidance suggests that flicker can occur at a distance of up to 10 rotor diameters and 130 degrees either side of North. The turbine has been located outside these parameters, therefore there will be no impact on neighboring properties.
- FALL OVER DISTANCES - The turbine has been located so that it is well within safe fall over distances from any overhead lines, footpaths, bridleways and highways.
- RADIO TRANSMITTERS - There are no radio transmitters within the vicinity of the proposed development. The JRC (Joint Radio Company) and Ofcom have been consulted, they have no objections to the proposal.
- ECOLOGY AND ORNITHOLOGY - In Technical Note TIN051, Natural England recommend that in order to minimise the risk to bat populations a stand-off distance of 50m should be maintained between features such as hedges or trees and the blade tip of a wind turbine. This is illustrated on the image below. The proposed development is in compliance with this recommendation and no adverse impact is anticipated in relation to local bats or bat roosts.



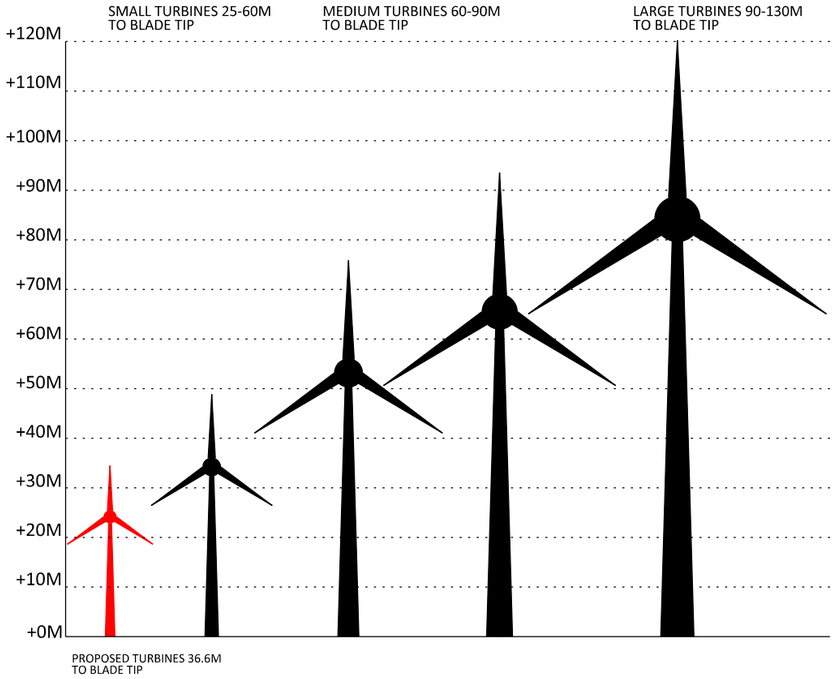


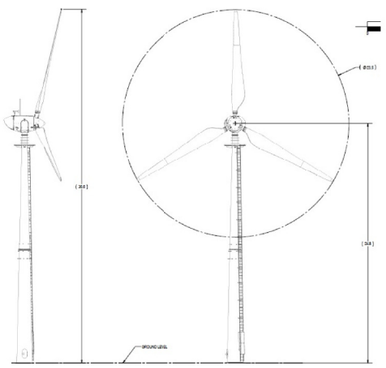
TYPICAL IMAGE OF PROPOSED TURBINE

PROPOSED TURBINE LOCATIONS



TURBINE SCALE COMPARISONS





PROPOSED TURBINE ELEVATION (NOT TO SCALE)

PURPOSE OF THE CONSULTATION

The purpose of the consultation is to provide residents with information about the proposed development, provide clarification on any concerns and to suggest any improvements that could be made to the scheme.

CONSULTATION PERIOD

The consultation period for the this application is 21 days upon receipt. Please contact DC21 on the details below within this time frame to comment. After the 21 day consultation period a planning application will be submitted to the local authority.

WHAT HAPPENS NEXT?

After the 21 day consultation period has expired a planning application will be submitted to the local authority. If you wish to object or support the proposal this can be done following the guidelines set out by the council.

CONTACT US

We appreciate that these information sources may not answer all of your questions and you may wish to comment on the project. To facilitate this you can contact our wind energy team in one of the following ways:

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ADDRESS: DC21 Ltd, Dene House, North Road, Kirkburton, Huddersfield, HD8 0RW