

Hill Top Farm, Parwich - Siting location assessment (1)

A location has been selected which achieves good wind speed which can be serviced and has the least impact on the landscape. The height of the turbine is limited to that needed to supply peak electric needs on the farm when milking on an average day.

The Department of Energy and Climate Change have a wind speed database. Taking into account local topographical adjustments it is estimated that the site should expect to have a windspeed of 5.8 metres per second at 25 metres height and 6.1 metres per second at 45 metres height. A 32.4 metre tall mast with rotor is proposed. This could produce between 250 and 275 kilowatts dependent upon internal gearing.

