

DESIGN AND ACCESS STATEMENT

Re: Fortis Montana wind turbine at Back of the Moon, Garway, HR2 8RQ
March 2010

This proposal is in line with the sustainable principles on which the smallholding has been run since it was acquired by the applicant in 1978. The smallholding has been carefully managed with a view to providing habitat for native flora and fauna. The proposed site is approximately 140 meters due north of the road through Garway from the nearest point, which is where the front garden of No 4 Stanley Cottages meets the road, and 5 meters east of the hedge running NS. See Site Location Plan 1:1250. There is a belt of trees north of Stanley Cottages and Moon Wood Close and several other trees and big hedges that will screen the turbine from the village except Willow Tree House and the next door house. (See photo 2. Visual Impact Study).

Use: A Proven 6KW wind turbine should provide 100% of electricity required to run the 14 acre smallholding, including the house, with up to 4000 KWH per year to feed back into the National Grid. This proposal is in line with the recommendation of PPS1 as it will negate the need to burn fossil fuel (at present the heating and cooking requirements are met by burning oil in a Rayburn) or use power from the grid. It will also reduce carbon emissions resulting from the delivery of oil.

Amount: One concrete pad measuring 9 square meters (foundation for the turbine) and one concrete pad measuring 2.25 square meters (foundation for winch pad, necessary for lowering turbine for annual servicing) in a field of 8,900 square meters. The proposed turbine is 15 meters high at hub level, the blades being 5.5 meters diameter.

Layout: The proposed layout of the turbine has been chosen taking several factors into consideration. The prevailing wind is from the SW and the intention is to maximise exposure to the wind, thereby ensuring that it works at optimum efficiency, therefore it should be position as close to the hedge as possible approximately equidistant between two mature hedgerow trees, as this is the highest, most exposed location. The turbine would be screened from the houses due south by a significant belt of woodland planting. There are power lines running E-W approximately 100 meters to the north of the site. The proposed turbine would be approximately 80 meters from the applicant's house and approx 100 meters from Willow Tree House.

Landscaping: The site is at the edge of an open agricultural field on the edge of the rural village of Garway. To maintain the existing landscape character no new planting is proposed in relation to the wind turbine.

Access: Access to the site for initial installation and subsequent annual maintenance visits would be across the applicants land via existing gateways when ground conditions allow. No hard surfacing is proposed in relation to the turbine.

