

11 NOV 2011

DESIGN ACCESS AND ENERGY STATEMENT**Re: Proposed Roof Mounted Solar PV installation at Weirend Farm, Ross-on-Wye, HR9 6AL**

This is a design and access statement to supplement the Herefordshire District Council Application for Planning Permission.

DESIGN STATEMENT

Weir End Farm is a 500 acre family run arable and livestock farm, which is situated to the north of the A40 approximately 1.5 miles from Ross on Wye.

The proposal

The proposal is for an 8.16 kW Solar PV system to be mounted on the south facing roof slope of one of the central farm buildings within the main farm buildings complex at Weir End Farm. The array will comprise No 32 x Schott 240 kW Solar panels and no other development. The panels will be laid parallel to the roof slope and will follow the line of the corrugated tin roof. The orientation of the roof (South 199 deg.) is suitable to maximise the performance of a solar PV system. The proposed array of solar PV panels has been designed and arranged to make the best of the south facing aspect and avoid unnecessary shading from existing trees and hedges. The strength and structure of the existing building will support the proposed array for the lifetime of the building.

The proposed site is within the main farm buildings complex of Weir End Farm, which is adjacent to the A40. The proposed site is not overlooked by other dwellings. The site is situated on generally flat terrain.

No hard or soft landscaping is included in the proposal. The roof mounted array will have no effect on the flow of surface water. It is out of reach of the public and is acceptable in terms of community safety. The installation of the system will not involve the removal of any trees, hedgerows or plants.

Installation will require delivery of one and a half pallets of solar panels.

ACCESS STATEMENT

Suitable access for installation purposes exists to the North of the site, which currently serves the main farm buildings complex. The access is well established and capable of supporting the existing heavy commercial vehicles visiting the farm and the anticipated delivery and installation vehicles associated with this proposal. The road access has good visibility in both directions.

The proposal is simply to fit solar PV panels on private land.

A full risk assessment will be carried out by the installers to ensure the safety of their operatives and other workers on the site.

The proposal will not affect existing site access arrangements and, therefore, will not be to the detriment of disabled access anywhere on site.

ENERGY STATEMENT

The proposal is for No. 34 x Schott 240 kW solar PV panels to be fitted to the roof, which will generate a power output of 7,004 kWh. The array will produce approximately 31 % of the total annual daytime energy consumption at Weir End Farm, which is approximately 22,427 kWh

The purpose of the proposal is to generate sustainable energy to power farm operations at Weir End Farm, including operations at the grain storage facility and farm workshop. By achieving the target output, the farm business will be more independent and less reliant on the National Grid. It will decrease the carbon footprint of the business and mitigate rising electricity costs.

Dated: 31/10/2011