DESIGN & ACCESS STATEMENT

October 2011

Installation of roof mounted Solar Panels

Hayfield Primary School
Swallow House Lane
Hayfield
SK22 2HB

CONTENTS

NB: Plans included within this document may not to scale and are for clarification proposes only.

For scaled drawings please refer to planning scheme drawings

Introduction

This document has been prepared to support an application for the installation of roof mounted solar panels upon part of the rear roof slope of Hayfield Primary School, Swallow House Lane, Hayfield. SK22 2HB.

This statement provides information additional to that contained within the submitted plans, documents and application forms, in particular the site strategy of the development, an explanation of the architectural design of the proposal, an assessment of the visual impact of the development and the access proposals.

Proposal overview.

The proposal is to install a solar panel system to serve part of the energy requirements of the existing school.

Existing energy usage - 50,000kw units per year
Solar panel production - 9,000kw units per year

Ariel Photograph

Proposed Site Layout

Layout

The layout is for a simple roof covering of solar panels.

The south facing roof location of the proposal was chosen as the most appropriate as there will be no visual impact on the surround landscape due to its semi hidden nature because of the existing classroom roof in the foreground and existing screen planting to site boundary.

Although the site is generally hidden from public view, the proposal respects the countryside policies adopted by the Local Authority by sitting the solar array within an area which could be further screened should the Local Authority deem it necessary.

The Solar pv facilities have been designed to:-

- Minimise disturbance to the buildings.
- Be temporary, capable of removal and ‘reversible’.
- Minimise their landscape/visual impact and their impact on the rural / street scenes.

Design And Scale

The design is for the installation of a 10.000kw/h roof mounted solar array to part of the semi hidden rear roof slope.

The design is a simple collection of non reflective solar panels. Approx. area 5.1x 12m. Height from the roof face to outer face of solar panels will be 200mm. Each panel will be 1700mmx1000mm 39 in total, mounted on simple metal frames upon the existing roof slope.

Solar usage:

M3 Solar undertook a number of feasibility studies before advising Hayfield Primary School upon the size of system to install

Having provided the Solar Company with electricity bills for the past two years totalling 50,000kw units per year.
A 10,000KW system will produce 90,000kw units of electricity per annum. Therefore neutralising there energy usage by 1/5.

Duration of Planning Permission
The Feed in Tariff for solar PV applies for a period of 25 years. The proposal is regarded as a temporary use of land, and is reversible.

Connection details:

Cables and boxes will be located within the existing school building for security reasons.

Appearance

A visual study of the locality, and surrounding area was undertaken, this informed the proposals in terms of scale, mass, architectural values and position.

The installation of the solar panels has been designed harmoniously with the sites surroundings. In turn the proposal will blend seamlessly within its surrounding context, whilst still maintaining some individual character and proving fit for purpose.

Landscaping

Existing landscaping will not be affected by the proposal. Screen planting is existing along the southern boundary.

Access

Access to the solar pv facilities will be gained by travelling across the existing roof by specialist installers.

Summary

As the designers of the proposed works, we have taken on board the context of this site and feel the proposal is justified under local and national policies.

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