

Grindleton Recreation Ground Charity

Solar Energy Project for Grindleton Pavilion

Project Selection by GRGC Trustees 16th April 2024

This proposal formed the basis of our Rural England Prosperity Fund grant application.

Project Objective and Key Deliverables

The Trustees of the Charity set the following objective and key deliverables against which the project was to be assessed and the preferred supplier chosen.

Objective

Substantially improve the financial and environmental credentials of Grindleton Pavilion by installing a high quality aesthetically sympathetic Solar Energy system at Grindleton Pavilion.

Key Deliverables of the Project

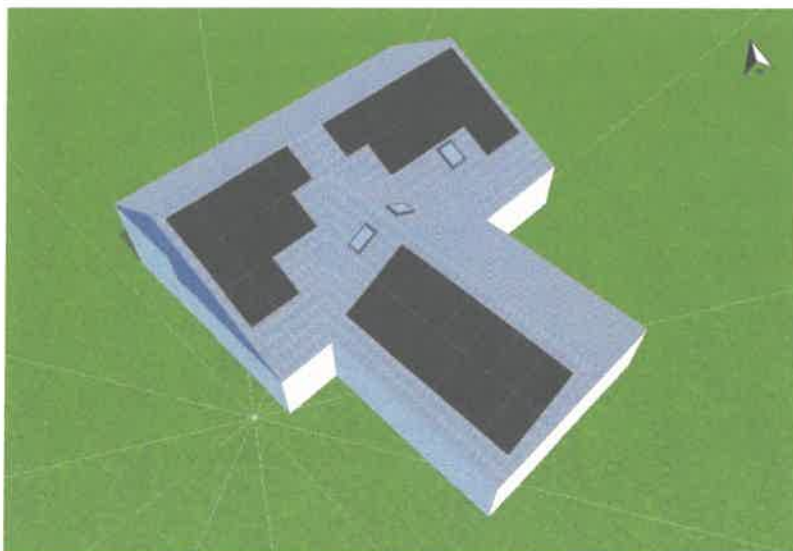
The Project Will: -

1. Be additive to the existing low energy system at the Pavilion
2. Substantially reduce the electricity purchased from the grid to operate The Pavilion
3. Be sympathetic to the building and location within the AONB
4. Represent good value for money for all stakeholders

The preferred proposal has a Photovoltaic (PV) Panel Layout as shown below.

This layout restricted the panels to two slopes of the roof and left a prominent roof aspect free of PV panels. This configuration complies with all MCS standards for Solar Energy installations but does not have a 1 mtr gap between the roof edge and the PV panels. As such it does not meet the requirements of the General Permitted Development Order as applied to Commercial Premises, as Community Halls are classed.

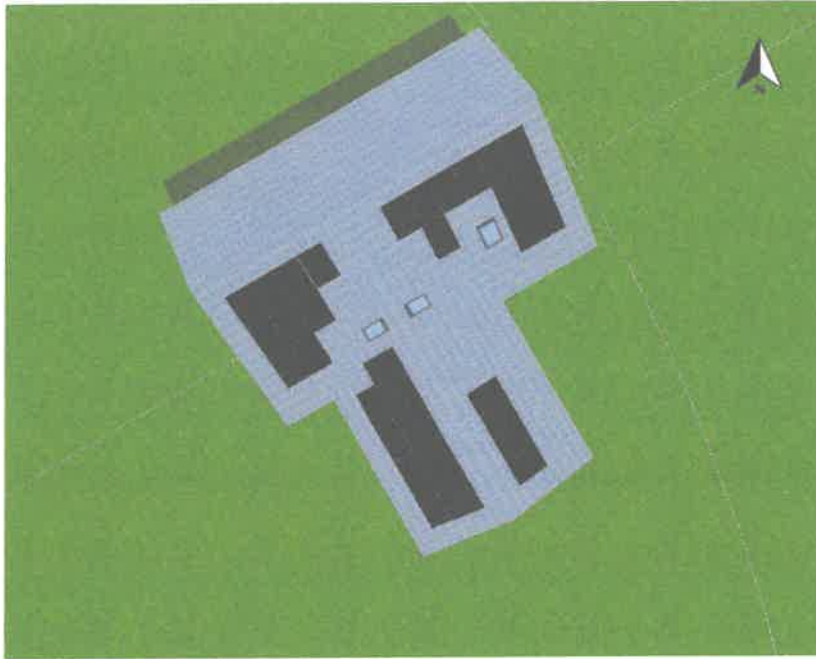
The Charity Trustees Considered this the most acceptable proposal against the above criteria being the least aesthetically intrusive proposal.



A proposal which met the requirements of the General Permitted Development Order (GPDO) is shown below.

The Charity Trustees considered this proposal less aesthetically acceptable given the fragmented nature of the PV panel positioning and the need to install PV panels on three slopes of the roof. This proposal was also more expensive and slightly less efficient in terms of solar energy generation.

Whilst this proposal met the requirements of the GPDO it failed to meet criteria 3 & 4 as shown above.



Images below compare the visual impact upon a slate roof of fuller roof coverage v an installation with a 1 mtr gap (please note these are examples for illustrative purposes only and do not relate to the Grindleton Pavilion proposal)

