

Design and Access Statement

Proposed Erection of Photovoltaic / Solar Thermal Panels at 4 Fairfields, Cockpitt Lane, off Church Street, Penistone

Use

The building is currently used as a residential dwelling house, this being the intended purpose for which it appears to have been constructed. The building is constructed from coursed stone with a slate roof, sitting at the end of a terrace of three properties with similarly designed and built properties surrounding it. Due to the sloping nature of the site (west to east) and its position relative to those surrounding it, it stands in an elevated position, which in itself will make views of the panels somewhat difficult.

Amount and Scale

It is proposed to erect 12 Photovoltaic panels, with each panel providing approximately 200 Watts of clean renewable energy, giving an overall system output of 2.4Kw. Each panel would measure 1580mm x 808mm and have been designed to have as small a stand off from the roof plane as possible. They can be easily removed in a relatively short period of time, with little disruption to the fabric of the building, leaving no visible sign of their presence.

Layout

The panels would be arranged in 2 rows of 6 and would be sited on the south (front) elevation of the property facing Church Street as it is necessary that the panels face as close to south as possible in order to benefit from maximum sunlight and therefore operate at maximum efficiency thereby allowing them to reduce running costs over the payback period / design life of the panels

Access & Landscaping

No issues involved

Summery

The system of panels is designed to provide year round energy to light and power the building, with any surplus being fed back into the grid

Any visual impact will be offset by the benefits of reduced fuel consumption, reduced pollution and the increase in energy efficiency in the property.