

TWO CHALETS FOR HOLIDAY USE AT PENTWYN ISAF, MERTHYR CYNOG LD3 9SB

SUSTAINABILITY STATEMENT

Pentwyn Isaf is a remote location in the Ysgir Valley already welcoming guests to a range of buildings and facilities where visitors can enjoy the beauties of the area whilst leaving no footprint. The principle already established by the owners of the site will be used as a template for the proposed chalets/lodges.

Power

The primary source of energy will be a series of solar panels (photovoltaics) on the south-facing rooves of the two chalets. The location and orientation is ideal for capture of the light and experience has shown that whilst some supplementary heat may be required in winter (see below) the panels will supply most the demand placed upon the lodges.

Wood-fuelled burners will be the ‘focus’ for heating in winter. The owners have extensive areas of woodland and have used seasoned fallen timber as a heat source for decades, obviating the need to bring fuel to the farm – that principle and process will continue at the new lodges/chalets.

Water

The property benefits from spring water that never dries and which will be used as a source of water for the lodges.

Foul Sewage

A modern package sewage treatment plant will be installed with ample capacity for the two lodges. the plant will be fitted with a phosphate dosing system even though there is a substantial drainage field for settlement of outflow. The site is a significant distance from the nearest watercourse and offers no threat to water conditions in the Ysgir and the catchments to which it contributes.

Other Considerations

The attraction to visitors is the opportunity to spend a time away from the incessant intrusion of modern life. There is no intention to install any substantial infrastructure or to introduce telephone lines or broadband.

July 2021