

A Solar Thermal Installation for Aberbran Farm Campsite, Aberbran



Aberbran is a small village on the River Usk near Brecon. It is an idyllic location and is a popular holiday location due to being close to both the Brecon Beacons national park, which is ideal for scenic walks, and to the dan-yr-ogof show caves, Aberbran Farm is well known in the local area for its pick-your-own fruits and for the quiet family orientated campsite situated near the farm. The Owners of this thriving business decided it was time to renovate and rejuvenate the campsite in time for the new summer season.

The Problem:

The amenities block on this campsite was old and in need of a renovation and refurbishment. When the owner decided to upgrade the facilities and build a new shower block that would allow for separate male and female toilets as well as baby changing facilities and a disabled toilet, male and female shower rooms and a small kitchen-esque area for washing up of dishes and cutlery. These facilities would require a large amount of hot water and the Owners decided they wished to reduce the impact of the new amenities block and install a renewable hot water system.

The Solution:

WDS Green Energy installed **4 No Dimplex Solar Thermal panels** upon the roof of the brand new amenities block. The two hot water tanks were required to meet the large hot water demand of this busy campsite shower block, and whilst the **solar thermal panels** will provide the majority of the annual hot water requirements a gas boiler system -installed by others - will contribute towards the hot water requirement during periods of bad weather or exceptionally high demand.

The Benefits:

The **solar thermal panels** provide an effective source of hot water and are particularly beneficial for campsites, holiday homes and leisure facilities where there is a high hot water demand during the summer months.

The owner received a grant for the installation of the solar thermal systems and for further renovation work for this small business through a Powys tourism scheme, allowing him to take green steps without risking his business.

