



## ENERGY REVIEW

### Blue Tile Cottages

#### Description:

Energy Review Summary of the existing and proposed buildings

#### Areas of interest:

Energy Efficiency  
Energy Conservation  
Renewable Energy Technologies

#### Study Aims:



##### *Energy Efficiency*

- evaluate the efficiency of existing heating & hot water system
- analyse the problem of two open fires in use and subsequent air infiltration problem



##### *Energy Conservation*

- identify the potential insulation & air tightness possibilities
- advise on best practice for the planned extension and new buildings



##### *Renewable Energy Technologies*

- conduct a feasibility study for various renewable energy technologies

#### Study Outcomes:

- Recommendations regarding existing oil boiler, radiators and hot water system
- Favourable solution found for the open fire places by blocking the chimneys when not in use
- Advice on effective decrease of heat loss
- Subject to the property being fully insulated and the heating system being upgraded, Air Sourced Heat Pump identified as feasible
- Assisted the client's architect to ensure the extension fulfilled requirements of the passive house

Our client chose to ensure that the passive house principles were implemented.

***If you are interested in improving energy efficiency and energy conservation level at your home or organisation and save money, or considering renewable energy technologies installation and need a specialist advice, contact our office on 01953 798112.***