



Renewable Energy – A Community Perspective

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Bickerton Village Hall

Presentation Outline

- Development, installation and funding the scheme
- Operating and using the panels
- Savings and benefits for the community
- Recent developments – our solar water heating system

About Us – Bickerton and the Village Hall

- Bickerton is located at the foot of the Bickerton and Peckforton Hills in Cheshire
- Village Hall is an integral part of the local community
- Our renewables – Solar PV and Hot Water



Development and Funding

- Development of the project commenced in 2008
- Total cost of £30,403
- Funded by three grants
- Scheme installed and commissioned in February 2009

Grant Source	Amount Awarded
Low Carbon Buildings Programme	£14,007
Community Sustainable Energy Programme – Big Lottery	£14,007
Northwest Climate Foundation	Paid for planning permission, VAT and interest

Benefits to the Hall and Community

- The 4.86 kWh system will produce 4,880 kWh of electricity each year
- Village Hall energy usage for 2007/2008 was 6,141 kWh
- Photovoltaic panels meet 80% of our energy needs
- Savings of approximately 2,500 kg CO₂ each year, nearly 6,000 kg to date



Benefits to the Hall and Community

- Functioning Import/Export Meter installed in December 2009
- Total financial benefit to the Hall as at January 2010 was £928
- The Hall benefits from reduced energy costs, the local community can benefit from exported electricity



Recent Developments

- Second phase of our solar power project completed in November 2010.
- 30 solar thermal vacuum tubes installed together with a new 300 litre storage cylinder
- Combined with the solar electricity system, the village hall has a very cost effective way of meeting its energy needs



Further Information and Events

- See the Village Hall in the Sustainable West Cheshire Video <http://www.cheshirewest.tv>
- Visit the Green Electrician's website <http://www.thegreenelectrician.co.uk/>
- Green Buildings Open Day, 11th September 2011
- Visit the Village Hall Website <http://www.bickertonvillagehall.co.uk/>