

# CASE STUDY: Kinnerley Parish Hall

## Kinnerley, Shropshire



Kinnerley Parish Hall has already initiated lifetime savings of over 6 tonnes of carbon dioxide through making the switch to low energy light bulbs. It is having additional cavity wall insulation and draught-proofing installed which will save an additional 875 kg of carbon dioxide per annum and 35 tonnes over the measures' typical lives. In addition to all of this, 10 water saving devices were fitted in toilets, each saving a litre of water with each flush.

### CARBON DIOXIDE SAVINGS

	Annual CO <sub>2</sub> savings	% of total annual CO <sub>2</sub>	Lifetime CO <sub>2</sub> savings*
Lighting *	<b>1.0t</b>	<b>53%</b>	<b>6.4t</b>
Cavity wall insulation and draught proofing	<b>0.9t</b>	<b>47%</b>	<b>35t **</b>

\* Calculations include various lifetimes of bulbs from 6 to 15,000 hours.

\*\* This assumes 40 year life of Cavity wall insulation and draught proofing (CWI and DP)

### FINANCIAL SAVINGS

	Annual cost savings	Payback period (approx.)
Lighting	<b>£233</b>	<b>3 months</b>
CWI and DP	<b>£126</b>	<b>6 years</b>



A third of the cost of the solar hot water system is being funded by the Rural Regeneration Zone.