


TV06 Shortenills wood boiler & solar PV	Installation details
	<p>Owner: Shortenills Environmental Education Trust</p> <p>Site address: Nightingales Lane Chalfont St. Giles Buckinghamshire HP8 4SG</p> <p>Grid reference: TQ002947</p> <p>Local authority: Buckinghamshire CC / Chiltern DC</p> <p>Renewable energy category: Solar PV + Biomass</p> <p>Status: Operational</p> <p>Date: April 2001 + April 2004</p>
Technical information	Socio-economic & environmental data
<p>Technology type: 6× 96Wp monocrystalline solar photovoltaic modules + biomass combustion boiler</p> <p>Manufacturer / installer: BP Solar/PV Systems and Energy Equipment Testing Services + Veto / Econergy www.pvsystems.com / www.econergy.ltd.uk</p> <p>Energy input: TV Bioenergy woodchip from local sources</p> <p>Consumption rate: 50 tonnes/year</p> <p>Installed capacity: Electric: 0.6 kWe Heat: 59 kWth</p> <p>Annual energy output: Electric: 0.3 MWh/year Heat: 59 MWh/year</p> <p>Supplying energy to: Electric: Visitor centre Heat: Space heating for centre</p>	<p>Main drivers: To promote renewables to visitors</p> <p>Social benefits: Education, management of local woodland</p> <p>Jobs created/sustained Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Capital cost (inc grant funding + body): £11,700 (£7,700 BP Sclar + £4,000 GE Healthcare) + £32,500 (50% Clear Skies)</p> <p>Financial benefits: £2,000/year</p> <p>Likely fossil fuel alternative: Electricity from grid + Heating oil</p> <p>Greenhouse gas emissions displaced: 0.1 + 19 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: Electricity: 0.06 Heat: 3.0</p>