

KT46 Kenward House solar PV, biomass & solar thermal	Installation details
	<p>Owner: The Kenward Trust Site address: Kenward House Yalding Kent ME18 6AH</p> <p>Grid reference: TQ691514 Local Authority: Kent CC / Maidstone BC Renewable energy category: Solar PV + Biomass + Other thermal (solar) Status: Operational, under construction Date: August 2006</p>
Technical information	Socio-economic & environmental data
<p>Technology type: Solar photovoltaic panels + Biomass boiler + 6× MP6 evacuated tube solar heat panels</p> <p>Manufacturer / Installer: / + / + NEG /</p> <p>Energy input:</p> <p>Consumption rate:</p> <p>Installed capacity: Electric: 5.0 kWe Heat: 273 kWth</p> <p>Annual energy output: Electric: 3.6 MWh/year Heat: 469 + 35 MWh/year</p> <p>Supplying energy to: Electric: House and local grid Heat: House</p>	<p>Main driver: Education & training</p> <p>Social benefits: Residential empowerment; education for guests; public education; training; media relations; demonstration of integration into listed buildings</p> <p>Jobs created/sustained Directly: - Indirectly: -</p> <p>New business startups:</p> <p>Financial benefits: £</p> <p>Capital cost (inc grant funding + body) £129,230 (£25,373 Clear Skies & DTI (solar); £30,319 Clear Skies (biomass); £24,500 Powergen)</p> <p>Likely fossil fuel alternative: Electricity from grid, heating oil</p> <p>Greenhouse gas emissions displaced: 156 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied Electricity: 0.8 Heat: 28</p>