


KT47 Wildwood Energy Education Project	Installation details
	<p>Owner: Wildwood Wildlife Centre Site address: Herne Common Herne Bay Kent CT6 7LQ Grid reference: TR170640 Local authority: Kent CC / Canterbury CC Renewable energy category: Onshore wind + Solar PV + Other thermal (solar) + Biomass Status: Operational Date: August 2005</p>
Technical information	Socio-economic & environmental data
<p>Technology type: 2× Rutland windchargers / 4× 40Wp & 16× 125Wp PV modules / 2× G1000/10 flat-plate solar heat collectors / 10kW & 8kW log stoves</p> <p>Manufacturer / Installer: Marlec + BP & Kyocera + Genersys + Fireview + Marlec / CPL Energy + Cel-F Solar Systems + Woodstove Shop cplenergysystems.co.uk / cel-f-solar.com woodstoveshop.co.uk</p> <p>Energy input: Biomass: logs from own site</p> <p>Consumption rate: fuel-ready tonnes/year</p> <p>Installed capacity: Electric: 0.4 + 2.2 kW Thermal: 3.5 + 18 kWth</p> <p>Annual energy output: Electric: 1.6 + MWh/year Thermal: 1.6 + 50 MWh/year</p> <p>Supplying energy to: Electric: Site & local grid Thermal: Hot water on site (solar) + space heating on site (biomass)</p>	<p>Main driver: Public education</p> <p>Social benefits: Fuel poverty alleviation through promoting energy efficiency locally</p> <p>Jobs created/sustained Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Financial benefits: £ /year</p> <p>Capital cost (inc grant funding + body) £25,170 (Powergen, DTI Clear Skies, EST PV Programme)</p> <p>Likely fossil fuel alternative: Electricity from grid + heating oil</p> <p>Greenhouse gas emissions displaced: 18 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied Electricity: 0.4 Thermal: 3</p>