


HW15 Sustainability Centre biomass, solar PV & solar thermal	Installation details
	<p>Owner: Earthworks Trust Site address: The Sustainability Centre Droxford Road, East Meon Petersfield Hampshire GU32 1HR</p> <p>Grid reference: SU675190 Local authority: Hampshire CC / East Hampshire DC</p> <p>Renewable energy category: Biomass + Solar PV + Other thermal Status: Operational Date: October 2003 + July 2004 + September 2005</p>
Technical information	Socio-economic & environmental data
<p>Technology type: Biomass combustion boiler + solar PV roof panels + flat plate solar collectors</p> <p>Manufacturer / Installer: VETO / Econergy + Lafarge Roofing / Sundog Energy + Filsol / Southern Solar econergy.ltd.uk sundog-energy.co.uk southernsolar.co.uk</p> <p>Energy input: Wood chips from locally managed woodlands</p> <p>Consumption rate: 50 tonnes / yr (25-30% moisture)</p> <p>Installed capacity: Electric: 2 kWe Heat: 120 + 56 kWth</p> <p>Annual energy output: Electric: 1.3 MWh/year Heat: 125 + 3.3 MWh/year</p> <p>Supplying energy to: lectric: Visitor centre Heat: Space heating & hot water for visitor centre & Wetherdown Hostel</p>	<p>Main driver: Greenhouse emissions, education, security of energy supply</p> <p>Social benefits: Public education</p> <p>Jobs created/sustained: Directly: 0 Indirectly: 15</p> <p>New business startups: 1 (stimulated <i>wood4heat</i>)</p> <p>Financial benefits: £2,500 + £100 + £230/year</p> <p>Capital cost (inc grant funding and body): £55,000 (£55,000 Onyx) + £15,778 (£7,884 DTI) + £5,700 (Powergen)</p> <p>Likely fossil fuel alternative: Oil / Electricity from grid</p> <p>Greenhouse gas emissions displaced: 47 tonnes CO2/year</p> <p>Equivalent no. of homes supplied: Electricity: 0.3 Heat: 7</p>