


TV70 The Living Rainforest biomass boiler & solar PV	Installation details
	<p>Owner: <b>The Living Rainforest</b>            Site address: <b>Hampstead Norreys            Newbury            Berkshire            RG18 0TN</b></p> <p>Grid reference: <b>SU542762</b>            Local authority: <b>West Berkshire Council</b>            Renewable energy category: <b>Biomass + Solar PV</b>            Status: <b>Operational</b>            Date: <b>March 2006</b></p>
Technical information	Socio-economic & environmental data
<p>Technology type: <b>'Turbomat' automated boiler + 30x70L photovoltaic panels</b></p> <p>Manufacturer / Installer: <b>Froeling / Econergy + GB-Sol / PV Systems</b>  <a href="http://www.econergy.ltd.uk">www.econergy.ltd.uk</a>  <a href="http://www.pvsystems.com">www.pvsystems.com</a></p> <p>Energy input: <b>TV Bioenergy woodchip from local sustainable sources</b></p> <p>Consumption rate: <b>125 tonnes/year</b></p> <p>Installed capacity: <b>Electric: 2.1 kWe            Heat: 220 kWth</b></p> <p>Annual energy output: <b>Electric: 1.7 MWh/year            Heat: 610 MWh/year</b></p> <p>Supplying energy to: <b>Electric: The Living Rainforest site            Heat: Space heating for whole site including glasshouses &amp; offices</b></p>	<p>Main drivers: <b>Boiler replacement, sustainability, demonstration</b></p> <p>Social benefits: <b>Public education 'Human Impact' project</b></p> <p>Jobs created/sustained: <b>Directly: -            Indirectly: -</b></p> <p>New business startups: <b>-</b></p> <p>Financial benefits: <b>£7,940 + £105 /year</b></p> <p>Capital cost (inc grant funding + body) <b>£80,939 (DTI £40,474 + £17,100)</b></p> <p>Likely fossil fuel alternative: <b>Electricity from grid &amp; heating oil</b></p> <p>Greenhouse gas emissions displaced: <b>185 + 0.7 tonnes CO<sub>2</sub>/year</b></p> <p>Equivalent no. of homes supplied: <b>Electricity: 0.4            Heat: 33</b></p>