


SEE-Stats data sheet

<p>TV70 The Living Rainforest biomass boiler & PV</p>		<p>Installation details</p>	
 <p>Automated woodchip boiler (l.) & PV panels on roof viewed from below (r.)</p>		<p>Owner: The Living Rainforest</p> <p>Site address: The Living Rainforest Hampstead Norreys Nr Newbury Berkshire RG18 0TN</p> <p>Grid reference: SU542762</p> <p>Local Authority: West Berks C</p> <p>Renewable energy category: Biomass + solar PV</p> <p>Status: Operational</p> <p>Operational since: March 2006</p>	
<p>Technical information</p> <p>Technology type: 'Turbomat' automated woodchip boiler + 30x 70L photovoltaic panels</p> <p>Manufacturer / Installer: Froeling / Econergy + GB-Sol / PV Systems www.econergy.ltd.uk www.pvsystems.com</p> <p>Fuel or feedstock: TV Bioenergy woodchip</p> <p>Consumption rate: 125 tonnes/year</p> <p>Installed capacity: Electric: 2.1 kW_e Thermal: 220 kW_{th}</p> <p>Annual energy output: Electric: 1.7 MWh/year Thermal: 610 MWh/year</p> <p>Supplying energy to: Electric: Site supply Thermal: Heating for whole site including glasshouses & offices</p>		<p>Socio-economic & environmental data</p> <p>Main drivers: Boiler replacement, sustainability, demonstration - 'Human Impact' Project</p> <p>Social benefits: Public education</p> <p>Jobs created/sustained: Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Financial benefits: £7,940 + £105 /year</p> <p>Capital cost (inc grant funding + body): £80,939 (Grants: DTI £40,474 + £17,100)</p> <p>Likely fossil fuel alternative: Electricity from grid & Oil</p> <p>Greenhouse gas emissions displaced: 166 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: Electricity: 0.4 Thermal: 31</p>	