


TV186 Hill Fields Farm biomass & solar thermal	Installation details
	<p>Owner: Mr Nigel Steljes Site address: Hill Fields Farm Lower Basildon Berks RG8 9PE</p> <p>Grid reference: SU604785 Local authority: West Berkshire Council Renewable energy category: Biomass + Other thermal (solar) Status: Under construction + Operational Date: (planned March 2008) + October 2007</p>
Technical information	Socio-economic & environmental data
<p>Technology type: 'Biomatic' wood-fired boiler + 40sqm solar thermal collectors</p> <p>Manufacturer / Installer: Herz / Rural Energy NEG / Riomay www.ruralenergy.co.uk</p> <p>Energy input: Wood chip from woodland on own estate</p> <p>Consumption rate: 120 fuel-ready tonnes/year</p> <p>Installed capacity: Electric: - Heat : 220 + 28 kWth</p> <p>Annual energy output: Electric: - Heat : 350 + 32 MWh/year</p> <p>Supplying energy to: Electric: - Heat : Space heating for house + hot water for swimming pool & house</p>	<p>Main drivers: Remove fossil fuel usage & use own wood resource</p> <p>Social benefits: Woodland management, public education</p> <p>Jobs created/sustained: Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Financial benefits: £12,970 + £1,180 /yr</p> <p>Capital cost (inc grant funding + body): £60,000 (£12,000 Bioenergy Capital Grant Scheme) + £20,000</p> <p>Likely fossil fuel alternative: Natural gas</p> <p>Greenhouse gas emissions displaced: 106 + 11 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: Electricity: - Heat: 19 + 1.7</p>