


KT17 Rochester St Nicholas Church PV & biomass	Installation details
	<p>Owner: <b>Rochester Diocesan Society and Board of Finance</b></p> <p>Site address: <b>St Nicholas Church Boley Hill Rochester Kent ME1 1SL</b></p> <p>Grid reference: <b>TQ742685</b></p> <p>Local Authority: <b>Medway Council</b></p> <p>Renewable energy category: <b>Solar PV /Biomass</b></p> <p>Status: <b>Operational</b></p> <p>Date: <b>January 2007</b></p>
Technical information	Socio-economic & environmental data
<p>Technology type: <b>5kW Sanyo solar PV panels, and 50kW Mescoli pellet boiler</b></p> <p>Manufacturer / Installer: <b>Sanyo / Chelsfield Solar for PV. Mescoli / Bioenergy Technology Ltd for the boiler <a href="http://bioenergy.org">bioenergy.org</a> <a href="http://chelsfieldsolar.co.uk">chelsfieldsolar.co.uk</a></b></p> <p>Energy input: <b>Wood pellets sourced locally (New Way Energy, Northfleet)</b></p> <p>Consumption rate: <b>29 fuel-ready tonnes/year</b></p> <p>Installed capacity: <b>Electric: 5 kWe Heat: 50 kWth</b></p> <p>Annual energy output: <b>Electric: 4.5 MWh/year Heat: 122 MWh/year</b></p> <p>Supplying energy to: <b>Electric: To the church Heat: To the church</b></p>	<p>Main driver: <b>Environmental stewardship policy of the Church of England</b></p> <p>Social benefits:</p> <p>Jobs created/sustained: <b>Directly: - Indirectly: 0.1</b></p> <p>New business startups:</p> <p>Financial benefits: <b>£300-320 / year</b></p> <p>Capital cost (inc grant funding + body): <b>£60,000 (£12,500 Major PV Demo Prog; Scottish Power: £6,000</b></p> <p>Likely fossil fuel alternative: <b>Electricity from grid / Natural Gas</b></p> <p>Greenhouse gas emissions displaced: <b>25 tonnes CO<sub>2</sub>/year</b></p> <p>Equivalent no. of homes supplied: <b>Electricity: 0.9 Heat: 6.7</b></p>