

KT52 CARE Community wind, GSHP & solar thermal	Installation details
	<p>Owner: CARE/The Care Fund</p> <p>Site address: Phillippines Close Off Hever Road Edenbridge Kent TN8 5GN</p> <p>Grid reference: TQ443463</p> <p>Local Authority: Kent CC / Sevenoaks DC</p> <p>Renewable energy category: Onshore wind + Other thermal (GSHP) + Other thermal (solar)</p> <p>Status: Operational</p> <p>Date: May 2006 + Sep 2005 + Dec 2005</p>
Technical information	Socio-economic & environmental data
<p>Technology type: 2× WT6000 wind turbines + 1 × 3-phase single-compressor ground source heat pump + 2× evacuated tube solar heat collectors</p> <p>Manufacturer / Installer: Proven + Kensa + Schuco / Southern Solar Ltd</p> <p>Energy input: GSHP: electricity from grid</p> <p>Consumption rate: 10 MWh/year</p> <p>Installed capacity: Electric: 12 kWe Heat: 12 + 4.0 kWth</p> <p>Annual energy output: Electric: 17 MWh/year Heat: 32 + 4.5 MWh/year</p> <p>Supplying energy to: Electric: Site and local grid Heat: Space heating + hot water</p>	<p>Main driver: Sustainability, reduce energy costs, high-profile leading by example</p> <p>Social benefits: Education for visiting public and residents</p> <p>Jobs created/sustained: Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Financial benefits: £ /year</p> <p>Capital cost (inc grant funding + body) £74,330</p> <p>Likely fossil fuel alternative: Electricity from grid / heating oil</p> <p>Greenhouse gas emissions displaced: 7 + 2 + 11 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: Electricity: 3 Heat: 1 + 6</p>