

KT41 Petham Village Hall ground source heating	Installation details
	<p>Owner: Petham Village Hall Management Committee</p> <p>Site address: Petham Village Hall Church Lane Petham Canterbury CT4</p> <p>Grid reference: TR131513</p> <p>Local Authority: Kent CC / Canterbury City C</p> <p>Renewable energy category: Other thermal (GSHP)</p> <p>Status: Operational</p> <p>Date: August 2005</p>
Technical information	Socio-economic & environmental data
<p>Technology type: 2× EKW017 ground source heat pumps (10kWe each)</p> <p>Manufacturer / Installer: Water Furnace / Dando Geothermal / Geothermal Heating dandogeothermal.com geoheat.com</p> <p>Energy input: -</p> <p>Consumption rate: 25 MWh/year</p> <p>Installed capacity: Electric: - Heat: 34 kWth</p> <p>Annual energy output: Electric: - Heat: 80 MWh/year</p> <p>Supplying energy to: Electric: - Heat: Underfloor heating for Hall</p>	<p>Main driver: Environmental benefits; no planning impact</p> <p>Social benefits: Local pollution-free heating</p> <p>Jobs created/sustained Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Financial benefits: £3,000 (vs. electricity)/year</p> <p>Capital cost (inc grant funding + body) £36,514.30 (£12,626 Clear Skies)</p> <p>Likely fossil fuel alternative: Electricity from grid</p> <p>Greenhouse gas emissions displaced: 24 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied Electricity: - Heat: 4.4</p>