

TV59 Osney Island PV, water & solar source heat	Installation details
	<p>Owner: Mr David Hammond</p> <p>Site address: 34 East Street Osney Island Oxford OX2 OAU</p> <p>Grid reference: SP503060</p> <p>Local authority: Oxfordshire CC / Oxford City C</p> <p>Renewable energy category: Solar PV + Other thermal (WSHP + solar)</p> <p>Status: Operational</p> <p>Date: 2004 + 2002 + 2002</p>
Technical information	Socio-economic & environmental data
<p>Technology type: Solar photovoltaics panels + 'GeoKitten' water source heat pump + 7 sqm flat plate solar collectors</p> <p>Manufacturer / Installer: Sanyo/Solar Century + Kensa Engineering/RT Harris + Viessmann/LS Services solarcentury.com kensaengineering.com www.viessmann.co.uk</p> <p>Energy input: WSHP: electricity from grid</p> <p>Consumption rate: 1 MWh/year</p> <p>Installed capacity: Electric: 1 kWe Heat : 6 + 5 kWth</p> <p>Annual energy output: Electric: 0.6 MWh/year Heat : 5 + 6 MWh/year</p> <p>Supplying energy to: Electric: Home; surplus to local grid Thermal: Underfloor heating + hot water for home</p>	<p>Main drivers: Research into renewables, reduce greenhouse gas emissions</p> <p>Social benefits: Raising awareness of personal responsibility for energy production</p> <p>Jobs created/sustained Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Likely fossil fuel alternative: Electricity from grid, natural gas</p> <p>Financial benefits: £ /year</p> <p>Capital cost (inc grant funding + body): £8,000 (£3600 DTI Major PV Demo Prog) + £3,000 + £3,500</p> <p>Greenhouse gas emissions displaced: 0.2 + 0.9 + 1.4 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied Electricity: 0.1 Heat: 0.3 + 0.3</p>