


HW83 Kingsley Generation Homes solar PV & GSHP	Installation details
	<p>Owner: <b>Drum Housing Association</b>            Site address: <b>Kingsley            Bordon            Hampshire            GU35 9NB</b></p> <p>Grid reference: <b>SU788383</b>            Local authority: <b>Hampshire CC / East Hampshire            DC</b>            Renewable energy category: <b>Solar PV + Other thermal            (GSHP)</b>            Status: <b>Operational</b>            Date: <b>May 2007</b></p>
Technical information	Socio-economic & environmental data
<p>Technology type: <b>Retro-fitted solar photovoltaics            + ground source heat pump for            6 homes</b></p> <p>Manufacturer / Installer: <b>- / -</b></p> <p>Energy input: <b>GSHP: electricity from grid</b></p> <p>Consumption rate: <b>4.2 MWh/year</b></p> <p>Installed capacity: <b>Electric: 6 kW<sub>e</sub>            Thermal: 5 kW<sub>th</sub></b></p> <p>Annual energy output: <b>Electric: 4.4 MWh/year            Thermal: 13 MWh/year</b></p> <p>Supplying energy to: <b>Electric: Homes; surplus to grid            Thermal: Space heating for            homes</b></p>	<p>Main project drivers: <b>Cut CO2 footprint in            refurbishment in line with govt.            target 60% by 2050</b></p> <p>Social benefits: <b>-</b></p> <p>Jobs created/sustained: <b>Directly: -            Indirectly: -</b></p> <p>New business startups: <b>-</b></p> <p>Financial benefits: <b>£550/year per house</b></p> <p>Capital cost (inc grant            funding and body): <b>£23,000 per house</b></p> <p>Likely fossil fuel alternative: <b>Electricity from grid</b></p> <p>Greenhouse gas            emissions displaced: <b>1.9 + 1.0 tonnes CO2/year</b></p> <p>Equivalent no. of homes            supplied: <b>Electricity: 0.9            Thermal: 2.7</b></p>