


| TV82 Tanners Hatch Youth Hostel log stove & solar PV | Installation details |
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|  | <p>Owner: Youth Hostel Association</p> <p>Site address: Tanners Hatch Youth Hostel off Ranmore Road Dorking Surrey RH5 6BE</p> <p>Grid reference: TQ141516</p> <p>Local authority: Surrey CC / Mole Valley DC</p> <p>Renewable energy category: Biomass + Solar PV</p> <p>Status: Operational</p> <p>Operational since: Dec 2003 + Dec 2004</p> |
| Technical information | Socio-economic & environmental data |
| <p>Technology type: 'Camargue' wood stove + 6× 165 Wp 'Isofoton' monocrystalline photovoltaics panels</p> <p>Manufacturer / Installer: FrancoBelge / Ecap Ltd + / Solar 4 us</p> <p>Energy input: Logs from local woodland management</p> <p>Consumption rate: 0.5 tonnes/year</p> <p>Installed capacity: Electric: 1 kWe Heat: 10 kWth</p> <p>Annual energy output: Electric: 1.5 MWh/year Heat: 5 MWh/year</p> <p>Supplying energy to: Electric: Existing battery set for hostel & annex Heat: Main hostel building</p> | <p>Main drivers:</p> <p>Social benefits: Educational benefits for guests & passers-by; workshops on renewables</p> <p>Jobs created/sustained Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Financial benefits: £500/year</p> <p>Capital cost (inc grant amount + giver): £3000 (£2000 Surrey REACH) + 6000 (£3000 EST)</p> <p>Likely fossil fuel alternative: Diesel generator & natural gas</p> <p>Greenhouse gas emissions displaced: 0.3 + 0.4 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied Electricity: 0.1 Heat: 0.3</p> |