


TV109 Sonning Mill micro-hydro	Installation details
	<p>Owner: <b>The Mill at Sonning Theatre</b>            Site address: <b>Sonning Mill            Sonning Eye            Reading            RG4 6TY</b></p> <p>Grid reference: <b>SU754757</b>            Local authority: <b>Oxfordshire CC / South            Oxfordshire DC</b></p> <p>Renewable energy category: <b>Hydro</b>            Status: <b>Operational</b>            Date: <b>July 2005</b></p>
Technical information	Socio-economic & environmental data
<p>Technology type: <b>1.5m-head siphon turbine</b></p> <p>Manufacturer / Installer: <b>Gilkes / Derwent Hydro</b>  <a href="http://www.derwent-hydro.co.uk">www.derwent-hydro.co.uk</a></p> <p>Energy input: -</p> <p>Consumption rate: -</p> <p>Installed capacity: <b>Electric: 19 kWe            Thermal: -</b></p> <p>Annual energy output: <b>Electric: 150 MWh/year            Thermal: -</b></p> <p>Supplying energy to: <b>Electric: Theatre; surplus to            local grid            Thermal: -</b></p>	<p>Main drivers: <b>Utilising existing resource, fuel            costs, environmental</b></p> <p>Social benefits: <b>Publicity for theatre</b></p> <p>Jobs created/sustained: <b>Directly: -            Indirectly: -</b></p> <p>New business startups: -</p> <p>Financial benefits: <b>£18,000/year</b></p> <p>Capital cost (inc grant funding            + body) <b>£70,000</b></p> <p>Likely fossil fuel alternative: <b>Electricity from grid</b></p> <p>Greenhouse gas            emissions displaced: <b>65 tonnes CO<sub>2</sub>/year</b></p> <p>Equivalent no. of homes            supplied: <b>Electricity: 31            Thermal: -</b></p>