


TV106 Carrington Junior School wind turbine & solar	Installation details
	<p>Owner: Carrington Junior School Site address: Chapel Road Flackwell Heath High Wycombe Buckinghamshire HP10 9AA Grid reference: SU893899 + SU893900 Local authority: Buckinghamshire CC / Wycombe DC Renewable energy category: Onshore wind + Other thermal (solar) Status: Operational Date: July 2005 + March 2005</p>
Technical information	Socio-economic & environmental data
<p>Technology type: Single 15m-high WT6000 turbine + 8-panel flat plate collector Manufacturer / Installer: Proven / Proven + Imagination Solar / South West Trace Heating www.provenenergy.co.uk www.imaginationsolar.com Energy input: - Consumption rate: - Installed capacity: Electric: 6 kWe Heat: 15 kWth Annual energy output: Electric: 10 MWh/year Heat: 8.9 MWh/year Supplying energy to: Electric: School; surplus to local grid Heat: Hot water to swimming pool</p>	<p>Main driver: Save money on rising fuel bill, tackle climate change Social benefits: Education for pupils & public Jobs created/sustained: Directly: - Indirectly: - New business startups: - Financial benefits: £600/year Capital cost: £24,000 (£12,000 Clear Skies) + £13,000 (£6,500 Clear Skies) Likely fossil fuel alternative: Electricity from grid Greenhouse gas emissions displaced: 4.3 + 3.8 tonnes CO₂/year Equivalent no. of homes supplied: Electricity: 2 Heat: 0.5</p>