



<b>TV6a-b Shortenills wood boiler &amp; solar PV</b>		<b>Installation details</b>	
  <p>...and current PV gazebo (top) at Shortenills Environment Centre</p>		<p><b>Owner:</b> Shortenills Environmental Education Trust Nightingales Lane Chalfont St. Giles Buckinghamshire HP8 4SG</p> <p><b>Grid reference:</b> TQ002947</p> <p><b>Local Authority:</b> Chiltern District Council</p> <p><b>Renewable energy category:</b> Biomass + Solar PV</p> <p><b>Status:</b> Operational</p> <p><b>Operational since:</b> April 2004 + April 2001</p>	<p><b>Biomass boiler and hopper</b></p>
<b>Technical information</b>		<b>Socio-economic &amp; environmental data</b>	
<b>Technology type:</b>	Biomass combustion boiler + 6× 96Wp monocrystalline solar photovoltaic modules	<b>Social benefits:</b>	Education, management of local woodland
<b>Manufacturer / Installer:</b>	Veto/Econergy + BP Solar/PV Systems and Energy Equipment Testing Services	<b>Jobs created/sustained</b>	Directly: - Indirectly: -
<b>Fuel or feedstock:</b>	Woodchip	<b>New business startups:</b>	-
<b>Consumption rate:</b>	50 tonnes/year	<b>Financial benefits:</b>	££1500-£2000/year
<b>Installed capacity:</b>	Electric: 0.58 kW <sub>e</sub> Thermal: 80 kW <sub>th</sub>	<b>Capital cost (inc grant funding + body):</b>	£32,500 (50% from Clear Skies) + £11,700 ( £7,700 from BP Scholar programme + £4,000 GE Healthcare)
<b>Annual energy output:</b>	Electric: 0.25 MWh/year Thermal: 59 MWh/year	<b>Likely fossil fuel alternative:</b>	Oil + Electricity from grid
<b>Supplying energy to:</b>	Electric: Visitor centre Thermal: Heat Visitor Centre	<b>Greenhouse gas emissions displaced:</b>	19 + 0.1 tonnes CO <sub>2</sub> /year
		<b>Equivalent no. of homes supplied</b>	Electricity: 0.06 Thermal: 3.0