


TV07 Bracknell Town Centre biomass CHP	Installation details
	<p>Owner: Bracknell Forest BC & partners Site address: Town centre Bracknell Berkshire RG12</p> <p>Grid reference: SU871693 Local authority: Bracknell Forest BC Renewable energy category: Biomass Status: Failed (non-technical reasons) Date: (failed 2006)</p>
Technical information	Socio-economic & environmental data
<p>Technology type: Biomass combustion boiler with steam turbines. Output is combined heat, power (CHP) and cooling</p> <p>Manufacturer / Installer: -</p> <p>Energy input: Woodchip from regionally, sustainably grown coppice & residues</p> <p>Consumption rate: 14,000 tonnes/year</p> <p>Installed capacity: Electric: 1,100 kWe Heat: 4,500 kWth</p> <p>Annual energy output: Electric: 9,150 MWh/year Heat: 37,450 MWh/year</p> <p>Supplying energy to: Electric: Private wire grid to homes business & public sector Heat: District heating to business, homes & public sector</p>	<p>Main drivers: Sustainability & fuel poverty policies</p> <p>Social benefits: Local generation: secure supply; reduces costs & energy losses, lowering energy price</p> <p>Jobs created/sustained: Directly: 10 Indirectly: 20</p> <p>New business startups: 1</p> <p>Financial benefits: £ /year</p> <p>Capital cost: £16,000,000</p> <p>Likely fossil fuel alternative: Electricity from grid, natural gas</p> <p>Greenhouse gas emissions displaced: 19,200 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: 3,900 homes</p>