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| <p><b>TV19 Romney Weir micro-hydro scheme</b></p>  <p>Site of Romney Weir micro hydro-electric scheme</p>   | <p><b>Installation details</b></p> <p>Owner: RWE npower<br/> Site address: Romney Weir<br/> Off Datchet Road<br/> Windsor<br/> Berkshire</p> <p>Grid reference: SU968775<br/> Local Authority: R.B. of Windsor &amp; Maidenhead<br/> Renewable energy category: Hydro<br/> Status: Planning permission granted<br/> Operational since: -</p>   |
| <p><b>Technical information</b></p> <p>Technology type: 2 to 4 submerged hydro propeller turbines in two existing weir bays<br/> Manufacturer / Installer: (To be advised)<br/> Fuel or feedstock: -<br/> Consumption rate: - tonnes/year<br/> Installed capacity: Electric: 200 kW<sub>e</sub><br/> Thermal: - kW<sub>th</sub><br/> Annual energy output: Electric: 1,200 MWh/year<br/> Thermal: - MWh/year<br/> Supplying energy to: Electric: Directly to Windsor Castle via underground cables<br/> Thermal: -</p> | <p><b>Socio-economic &amp; environmental data</b></p> <p>Main driver: Green electricity for the Royal Household<br/> Social benefits: Education (improving knowledge of hydro scheme impacts)<br/> Jobs created/sustained: Directly: -<br/> Indirectly: -<br/> New business startups: -<br/> Financial benefits: £ /year<br/> Capital cost (inc grant funding + body): £1,000,000<br/> Likely fossil fuel alternative: Electricity from grid</p> <p>Greenhouse gas emissions displaced: 516 tonnes CO<sub>2</sub>/year<br/> Equivalent no. of homes supplied: Electricity: 267<br/> Thermal: -</p> |