

A **Revolution** in Energy Production

A Community Hydro Electric Scheme for Settle



Introduction Settle Hydro

Settle Hydro was established as an 'Industrial and Provident Society for the Benefit of the Community' with the specific purpose of owning the Settle Weir Hydro Electric Scheme. The Society will generate revenue by selling 'green' hydro-electricity.

Any surplus revenue will be used by the Society to benefit the local community through its twin aims of regenerating the local economy and promoting the environmental sustainability of Settle District.

The formation of Settle Hydro has been jointly sponsored by **StART, Settle District Chamber of Trade** and **Settle Going Green**.

The Founding Directors of Settle Hydro are Steve Amphlett (Chair of Settle District Chamber of Trade), Ann Harding (Chair of StART) and Helen Walker (director of h₂oPE), none of whom will receive any financial remuneration from the Society.

The Directors will raise part of the finance required to fund the Scheme by selling shares in the

Society to members of the public.

The funds raised from the share issue will fund a public-spirited 'not-for-profit' organisation and any investment in Settle Hydro Ltd should be seen as a social and not a financial investment.

The remainder of the required finance will be raised from grants and a bank loan.

Information on how you can become a member of the Society is given on the final page of this brochure.

h₂oPE

h₂oPE is a social enterprise company whose aim is to reduce carbon emissions by setting up small-scale hydropower projects that benefit both the environment and local communities.

They have been instrumental in establishing Torrs Hydro New Mills, the UK's first community hydro scheme funded by a public social share offer.

h₂oPE has been working on the Settle project since January 2008 and have a formal partnership agreement with Settle Hydro

Hydro power for the developing world

whereby h₂oPE undertake the project management of the Scheme in return for a fee. To cement this partnership arrangement, h₂oPE are represented on the founding board of Settle Hydro.

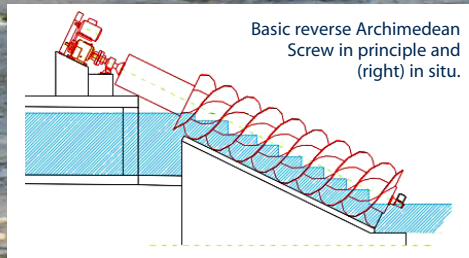
Settle Hydro wishes to raise an extra £5,000 from the share offer as a contribution to the implementation of hydro schemes in the developing world.

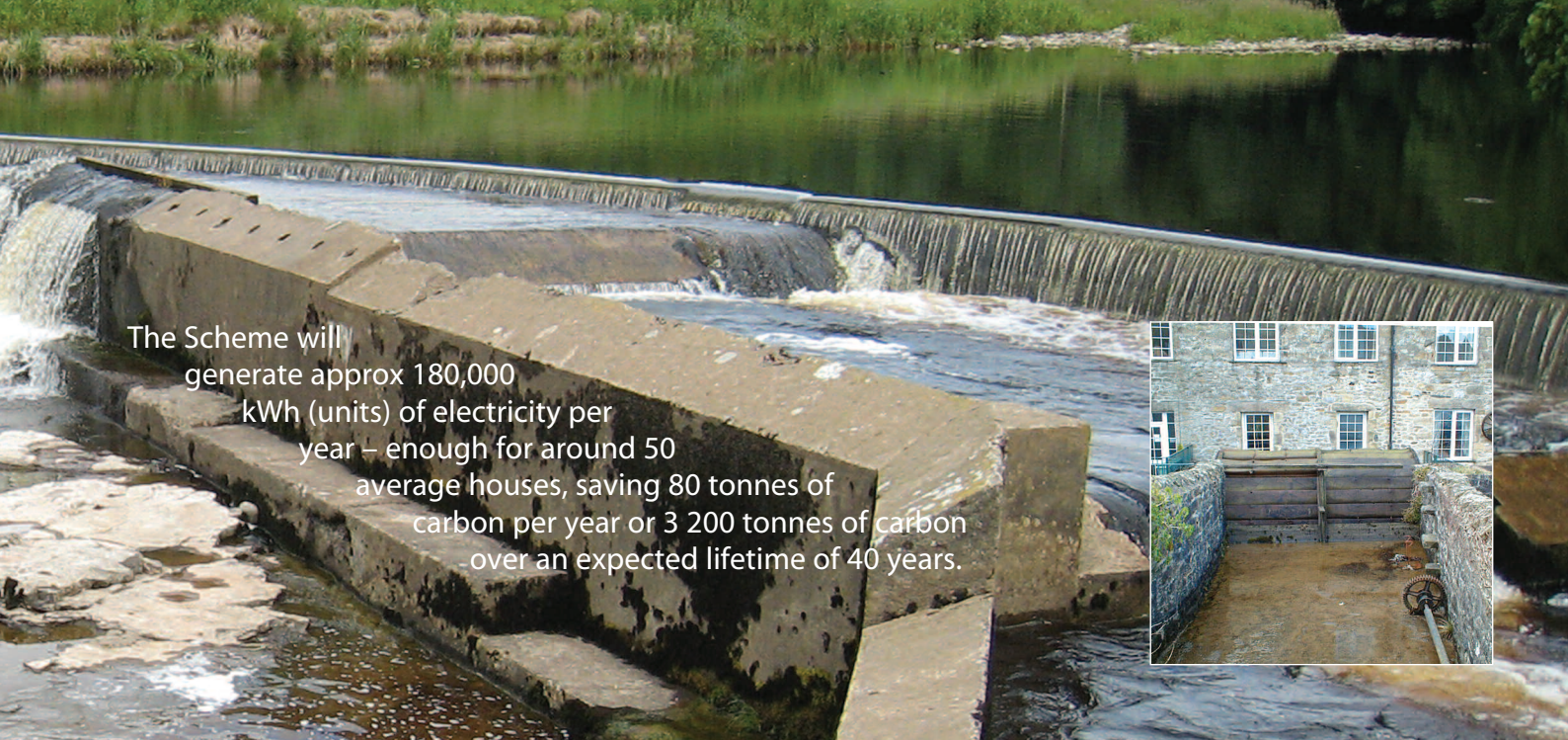
The 'green' electricity from these schemes will be used for powering low energy lighting which will replace environmentally unfriendly kerosene lamps.

h₂oPE works with partners to ensure that local people manage the schemes and are trained in maintenance procedures so that the community develops its skills base and provides a long term sustainable energy solution for itself.

The Scheme

It is proposed to install a 50kW Archimedean screw at Settle Weir near Bridge End Mill. The screw will be installed close to the original waterwheel and will use part of the existing millrace.





The Scheme will generate approx 180,000 kWh (units) of electricity per year – enough for around 50 average houses, saving 80 tonnes of carbon per year or 3 200 tonnes of carbon over an expected lifetime of 40 years.



Estimated Costs

Project Costs

The estimated cost of the project is **£300 000**.

Equipment and construction
£250 000

h₂oPE Project Management fee
£30 000

Development costs incurred to date
£15 000

Donation to Developing World Hydro Scheme
£5 000

Total Costs: **£300 000**

Finance

It is proposed that funds to finance the project will come from the following sources:

Grant: Future Energy Yorkshire
£50 000

Grant: Yorkshire Forward
£75 000

Bank Loan
£75 000

Share Issue
£100 000

Total Finance: **£300 000**

Note: The receipt of the grants is conditional on regulatory permissions being granted and remaining finances being raised.

Revenue

The annual revenue from the Scheme is forecast to be approx. **£25,000**

Note: This figure is based on quotations received for generated electricity and from information provided by the Environment Agency.

Surpluses

Pre-tax surpluses are forecast to be around **£11,000 to £15,000** per annum from which the directors must meet the obligations of the Society. These include loan repayment, tax and a balance between a fair return to shareholders and meeting the social obligations of the society.

Timetable

Subject to the timely granting of regulatory permissions and a successful share issue, construction could commence in January 2009 and the scheme become operational by mid 2009.

Note: Planning Permission was applied for in August 2008 and a decision is anticipated by end November 2008. The Abstraction Licence was applied for in August 2008 and a decision is anticipated by end December 2008.

Membership

If you are interested in purchasing shares and becoming a member of the Society, you are invited to attend the **launch of the Share Offer at 10.00am on Saturday 6th September 2008 at Victoria Hall, Settle.**

Each share in Settle Hydro Ltd has a nominal value of £1.00. The minimum shareholding for an individual is £250 and the maximum (set by law) is £20 000.

The Share Offer opens at 10.00am on 6th September 2008 and closes at 5.00pm on 15th December 2008.

Settle Hydro will have a stand at Settle Community Festival on 27th/28th September 2008. Directors of the Society will be present to explain the Scheme and answer questions on becoming a Member.

Details of any further events will be posted on www.greensettle.org.uk/hydro so please keep checking.

Full details of the Share Offer are given in the Share Prospectus which will be available at the launch or, from 6th September 2008, can be downloaded from www.greensettle.org.uk/hydro.

Information can also be obtained from Ann Harding on **01729 823155**.



Settle Hydro Limited | c/o Going Green | The Town Hall | Settle | BD24 9EJ

www.greensettle.org.uk/hydro