

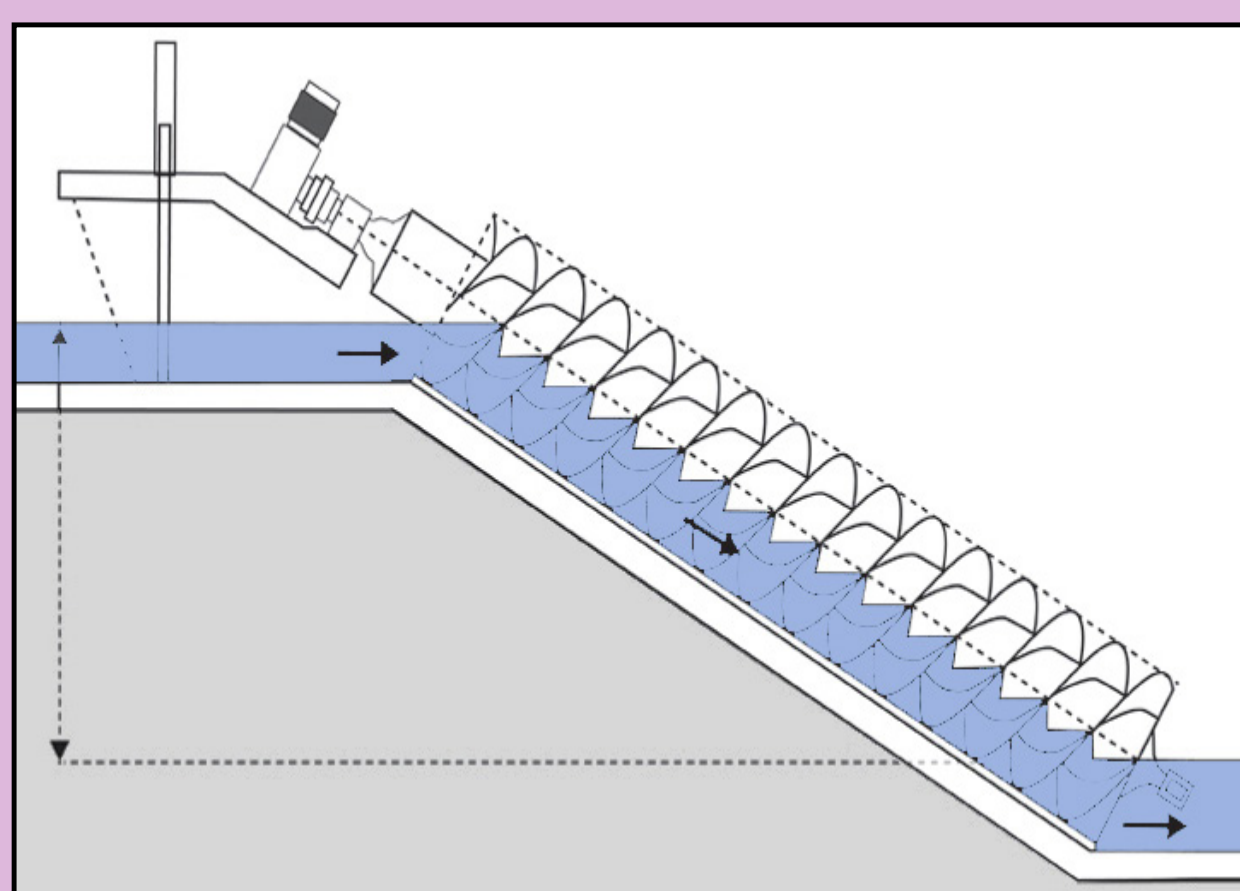
HYDRO FUTURE

WHAT IS OUR SUSTAINABLE FUTURE?



HOW DO HYDROS WORK?

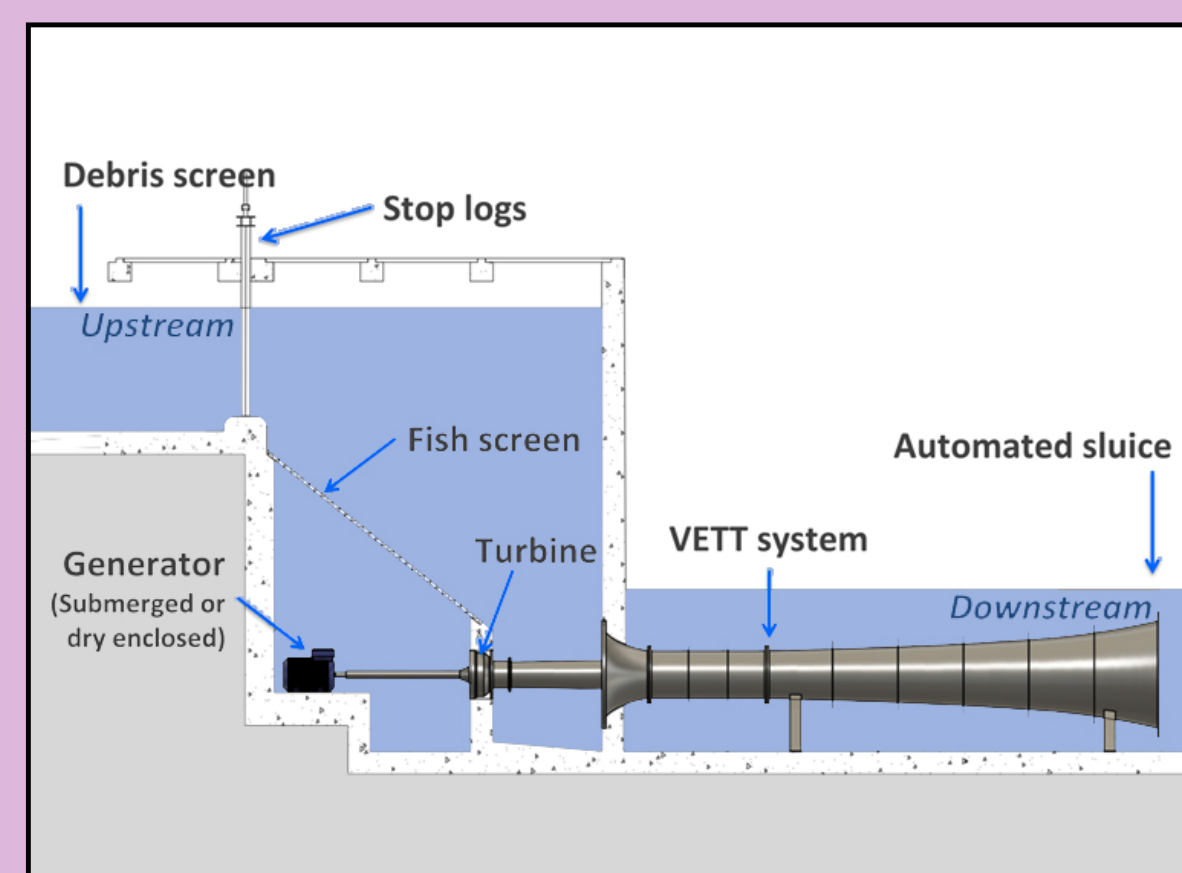
Reading Hydro has planning permission. The choice is now between two possible approaches:
 - Archimedes technology or a Venturi based new British System



ARCHIMEDES SCREW TURBINE

Screw turbines use changes in water levels to produce energy.

Water flows into the turbine and its weight presses down onto the blades of the turbine, which in turn forces the turbine to turn.



VENTURI TURBINE

Venturi is a simple technique, based on Bernoulli's 18th century principles, used to amplify a pressure across a conventional axial flow turbine. Increasing the force this way means you don't need as big water drop or turbine, to produce the same energy output as others.

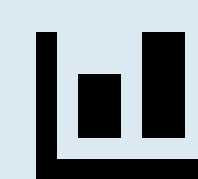
WHAT IS READING HYDRO?

Reading Hydro is an ambitious project to build a hydro-electric scheme on Caversham Weir, and operate it as a community-owned asset.



WHAT IS NEXT?

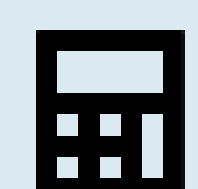
There remains a lot to do: engaging with local groups, surveys, satisfying the Environment Agency's criteria, ensuring that the plans are economically viable and raising initial funds. A start has been made, with exciting options possible.



Complete Financial Model



Choose best Solution



Assess Technology Options



Raise Finances and Implement!



GET INVOLVED!

Hippie or hipster, geek or creative, investor or educator, Reading Hydro is a growing and diverse community of members looking to bring green energy to Reading and on your doorstep!

Alongside our Hydro vision we're building an exciting calendar of active events and meetings for the community to get involved with, find out more and contribute.

KEY INFORMATION



The hydro could produce 300 MWh per year output



That's enough energy to power 90 households



Capacity to generate power day and night for much of the year



EDUCATION & OPEN DATA



Connecting to IOT and Readings Things Network, becoming a resource of Open Data displayed onsite and online:

- Flow Rate

- Water Temperature

- Water Levels



CONTACT US

www.readinghydro.org.uk

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