

Dane Valley Community Energy: Havanah Weir

RCEF Stage: 2



Key Facts

Status	Operational October 2021
Land	The group bought the piece of land so didn't need to go through the process of obtaining a land lease.
Grid	They used a direct cable, so avoided grid connection costs.

The Story

A micro hydro scheme using the energy produced by the River Dane over the Havannah Weir near Congleton, Cheshire. The Archimedes screw will provide motion to a generator controlled by a variable speed drive built by Siemens, located nearby. This will generate an average of 265,000 kWh/year, enough to power the equivalent of 60 homes. The scheme will sell all electricity generated to Siemens and will produce an annual revenue of £53,000 each year. The scheme will be financed via a community share issue, allowing members of the community to invest in the scheme. Any profit will go to the 'community benefit fund' which will be used for environmental projects and education within the community.

Challenges & Risks

Lessons Learned

Key Figures

Project size: Tech type	Hydro 65 kW
Energy Generation	265,000 kWh
Private finance leveraged	£700,000
CO2 savings	60 tonnes CO2 pa
RCEF grant	£73,511

Further notes

LEP area: Cheshire

Link for further info:

[4 Congleton Hydro V1 \(vimeo.com\)](https://vimeo.com/480000000)