

## Nantwich Mill Community Energy

RCEF Stage: 2



**Nantwich Mill Community Energy Company**

### Key Facts

Hydro	2 sites both deemed to be feasible in initial study.
PV	Working with Reaseheath college and local businesses to enable a solar co-op.
Landowner and Private wire	Cheshire East and Reaseheath – LOS provided and CO2/ cost reduction key motivation.
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### The Story

Two hydro sites were identified at Mill Weir, in the central park in Nantwich and Beam Bridge on the northern outskirts of town. These were installed by the River Authority in the 1970s for flood management and amenity purposes. As both are small 25 kW hydro sites, without the Feed-in tariff, the schemes are only going to be viable with a private cable that sells the electricity directly to local consumers at a better long-term price than selling to the grid. Two takers have been determined for both sites. To further bolster the business case and also to allow broader engagement, a solar co-op is also being worked on to put community-owned solar on several buildings across the town.

### Challenges & Risks

Cheshire East own the Mill Weir site. A business case is being worked on for the council to allow a land lease. Although they are supportive, the procurement process can slow the project development stage.

### Lessons Learned

Complex engineering projects take a dedicated team for successful delivery. It is key to draw on many people with varying skill sets who can commit time and energy.

### Key Figures

<b>Project size: Tech type</b>	Hydro & PV 20 kW, 30 kW & 2MW+
<b>Energy Generation</b>	~438 & 1,634 MWh (~690 houses)
<b>Private finance leveraged</b>	~£2,000,000
<b>CO2 savings</b>	538
<b>RCEF grant</b>	£100,000

### Further notes

LEP area: Cheshire

Link for further info: [Nantwich Mill Community Energy Company](#)