

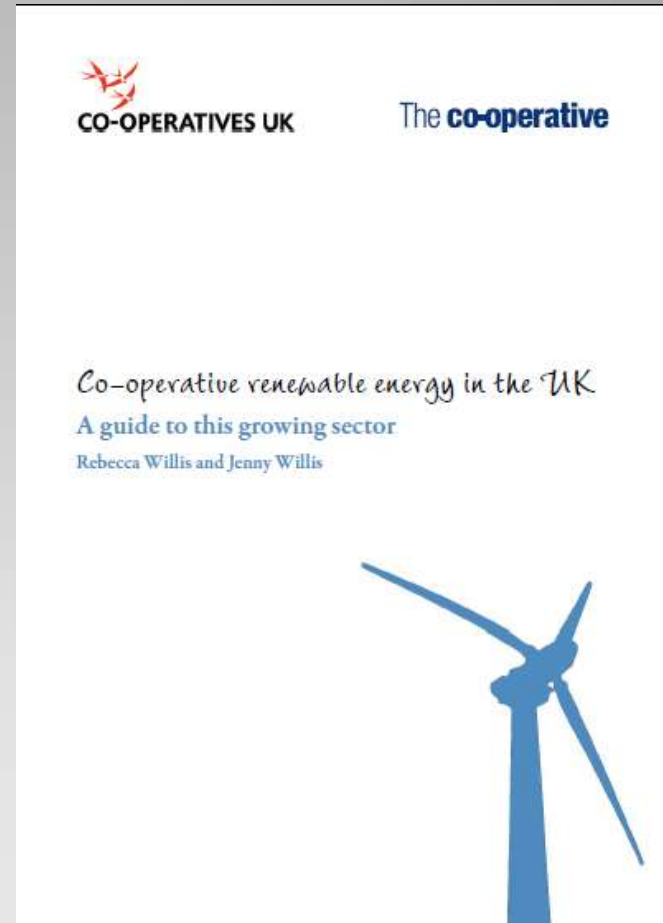
The logo features the text "(EC)²" in large, white, bold, sans-serif font on a dark green rectangular background. Below this, the full name "Edinburgh Community Energy Co-operative" is written in a smaller, white, sans-serif font.

**(EC)²**

Edinburgh Community Energy Co-operative

***Giving Edinburgh residents a vehicle to  
promote and develop renewable and low-  
carbon energy***

- Growing number of communities starting renewable energy co-operatives.



**renewable energy co-ops survey**

- 30 RE co-ops registered since 2008
- 19 trading as energy generators
- 8 more about ready to launch
- 16 planning feasibility studies



## Co-operatively-owned energy generation

- 19.6MW + possible 8.5MW
- Share in 1,220MW
- (Torness = 1,320MW)
- A drop in the ocean?



**Community-owned**

- Co-op Survey paints picture of inspiring communities coming together to start and run energy co-operatives.
- Co-op group pledged £1m support & Bank to loan £1bn



**Inspiring the community**

- Cwm Arian Renewable Energy (CARE)
- Green Energy Nayland (GEN)
- Ouse Valley Energy Company (OVESCO)
- River Bain Hydro
- Valley Wind



**Spotlight on five co-ops**

- OVESCO – 98kW solar PV scheme on roof of a Brewery Warehouse in Lewes
- Brewery paid for roof condition survey.
- £307k share offer.

Fact file	
Location	Lewes, East Sussex – Harvey's Brewery Warehouse
Size of scheme	98kW
Number of members	250 (some shares held for children)
Amount of initial share offer	£307,000
Legal form	Industrial and Provident Society for the Benefit of the Community working with Limited Company
Technology	Solar PV Installed by Southern Solar
Amount received for electricity	better than standard 3.1p per kWh rate
Company electricity is sold to	Good Energy

## Ouse Valley Energy Company (OVESCO)

- Proposal for 2 x 1.2MW wind turbines at a cost of around £2m probably with a 90% loan from the Co-op Bank.
- Share Offer £500k



## **Cwm Arian Renewable Energy (CARE)**

- 45kW Archimedes screw now in place.
- Finance – mixture of sources:-
- £50k to cover initial costs – repayable if scheme went ahead.
- £150k commercial loan from Charity Bank.
- £100k in grants
- £200k share issue



## River Bain Hydro

- 15kw PV system on local primary school.
- £5k seed corn
- £37,900 share capital
- Match funding from Suffolk County Council



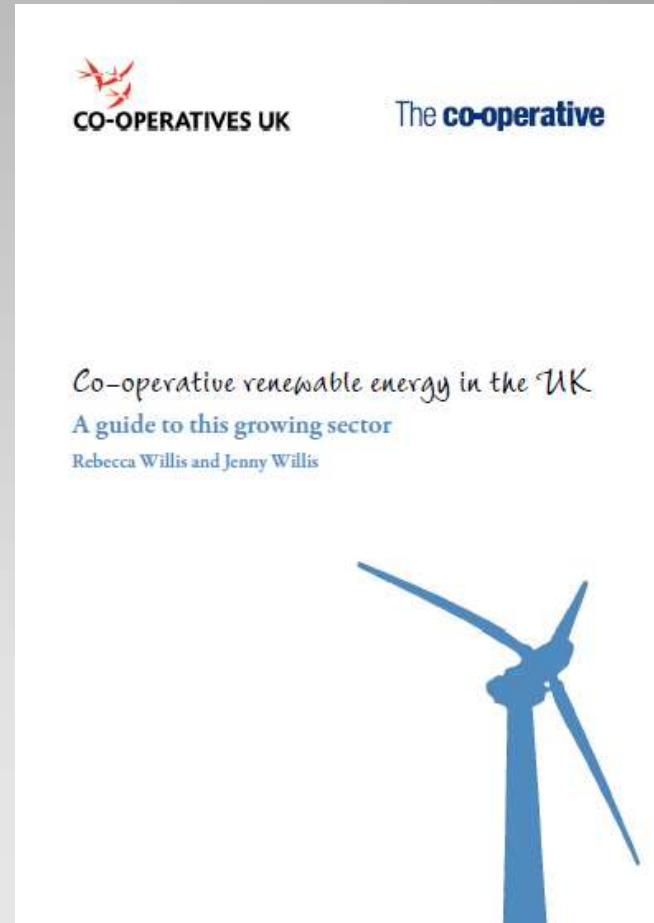
**Green Energy Nayland**

- Anticipated cost of £10m for 6MW project.
- 
- 40% to be financed by a bank loan and the rest by a share issue.



**Valley Wind Co-op.**

- Existing community Network.
- Clear motivations – environmental; community development.
- Access to skilled volunteers.
- Institutional support & seed-corn funds



**What makes for a successful project**

- Projects can strengthen communities.
- Financially viable projects due to up-front grants; FiTs; volunteers; community share issue.
- Provide return for investors



**Positive Outcomes**

- Gov't schemes change at short notice – be ready to jump.
- Schemes that get Gov't grants can't get FiT.
- Schemes smaller than £1m rarely able to access bank loans.



## Learning Points