



OUR OWN ELECTRICITY COMPANY?

*A community owned company with any
profits to the Crediton community*

Agenda



- Introductions – Linda Lever
- Sustainable Crediton presentation – Charles Mossman
- Plymouth Community Energy Company – Andrew Shadrake
- Exeter Community Energy - Hertha Wood
- Introduce the Panelists – Linda Lever
- Panel Q&A : Chairman - David Harpur
- Final comments – Linda Lever

Introductions



- Linda Iever – Sustainable Crediton
- Charles Mossman – Sustainable Crediton
- Energy Group members
- Andrew Shadrake – Plymouth Community Energy
- Ben Eardley – Devon Association for Renewable Energy
- Jake Burnyeat - Communities for Renewables CIC
- Iain Beath – Renewable Power

What is community energy?



- 600 groups in UK currently formed re generating renewable energy locally
- Many of these projects up and running
- Companies owned by the community
- Profits go back to the community.
- Government encouraging such enterprise with a Rural Community Energy Fund [RCEF].
- Community owned energy expected to contribute 3 Gigawatts in next six years (2300 groups and 1 million homes)
- In Germany 51% of renewable energy community owned.

Our nearest community generators



- Brendon energy – PV on schools and community buildings; planning hydro power
- South Brent – wind turbine
- Wedmore – PV arrays in 2 fields
- Plymouth and Exeter – planning PV on large buildings

Why do we want to start a community energy project in Crediton?



- Our mission is to make Crediton more resilient to global challenges such as climate change
- Our contribution to reducing carbon emissions
- Making energy supplies more secure.

What are the Benefits?



- Local companies and organisations could benefit from a cheap energy supply.
- An opportunity for local ethical investment with competitive rate of returns.
- Profits to a fund to benefit local people
- Possible job creation.

First steps to setting up a project for Crediton



- Firms to tender for a feasibility study.
- Apply for a grant for this from RCEF.
- Community support needed to gain grant
- Need a good team willing to take this forward.

Feasibility Study



The chosen firm will report on:

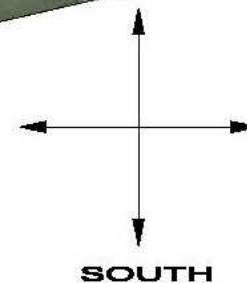
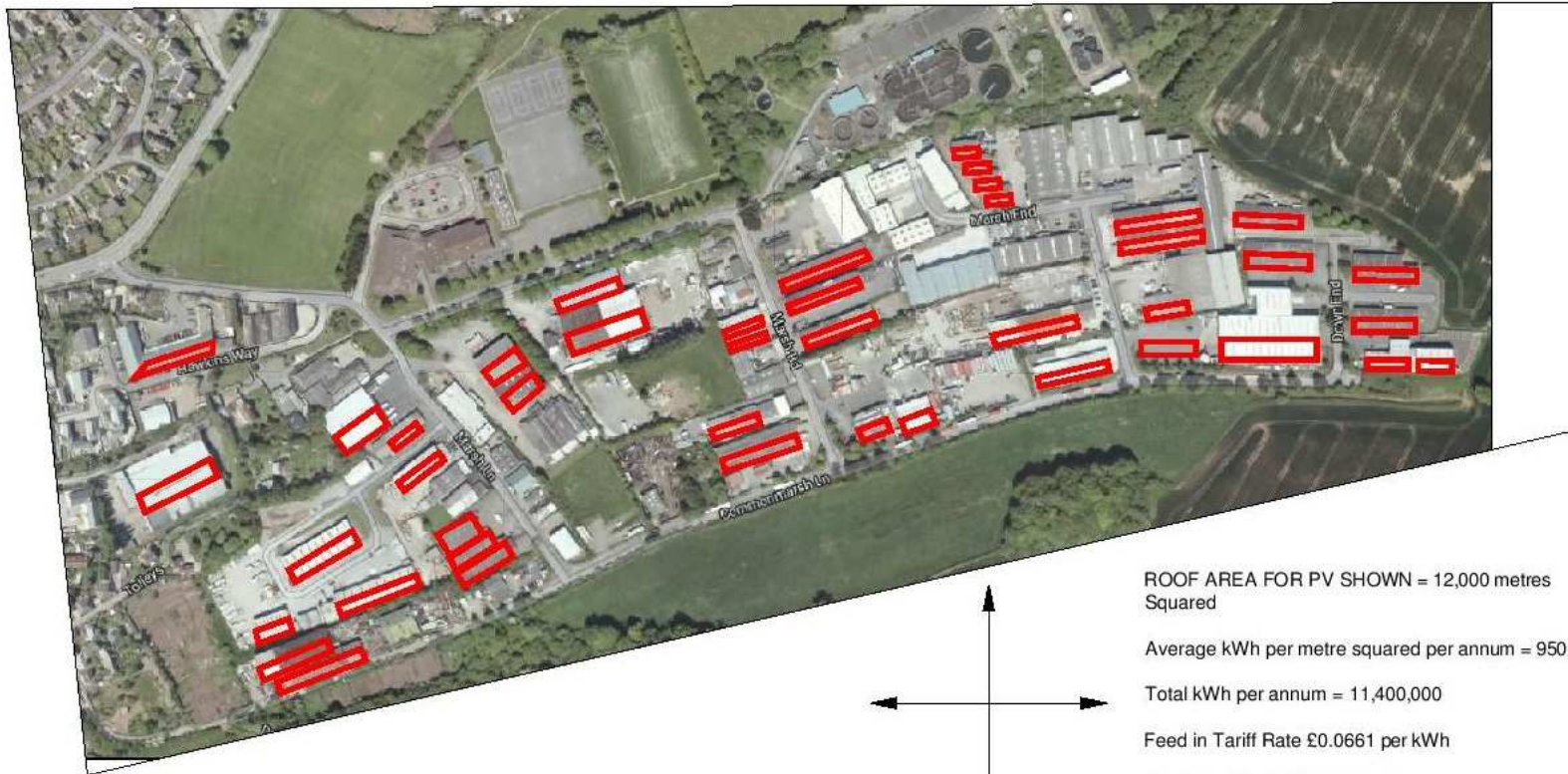
- Identification of best technology and site to start our project.
- Business case for the project
- Local support
- Benefits to the community
- First steps needed to get the project off the ground
- Whether the project is viable!

Current favoured option



- Solar PV on large roofs
- We might be able to 'rent' roofs on Lords Meadow Estate or similar
- Local firms would get cheap energy guaranteed for 20 years
- Our company would get FIT payments and money from electricity generation
- Firms would be publicised for community contribution

Lords Meadow PV Example



ROOF AREA FOR PV SHOWN = 12,000 metres Squared

Average kWh per metre squared per annum = 950

Total kWh per annum = 11,400,000

Feed in Tariff Rate £0.0661 per kWh

Total Feed in Tariff = £750,000

Energy sales Revenue @ £0.04 per kWh = £450,000

Total Income = £1,200,000

Roof & Car Park Bay PV



6000 metres squared.

This is half of the Lords Meadow area



Supermarket PV Car Park Shades



Sustainable
Crediton



If project is feasible, what next?



- Set up a company for community benefit
- Apply for planning permission
- Draw up a business plan
- Share issue
- Find other funding
- Choose an installer

Help needed



- Indications of community support
- Publicity expertise
- Website design
- Team to organise/ take decisions/ write application, etc
- Financial/accounting expertise
- Business plan/share issue expertise
- Legal expertise
- People to buy shares or make a loan if the project takes off

Plymouth Community Energy Company

- Andrew Shadrake



Exeter Community Energy Company

- Hertha Wood



Panel Q & A



Chairman: David Harpur Sustainable Crediton

Panellists include:

- Linda Iever – Sustainable Crediton
- Charles Mossman – Sustainable Crediton
- Andrew Shadrake – Plymouth Community Energy
- Ben Eardley – Devon Association for Renewable Energy
- Jake Burnyeat - Communities for Renewables CIC
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Final Comments

