



Community Energy and Urban Regeneration

Nicholas Gubbins April 2012

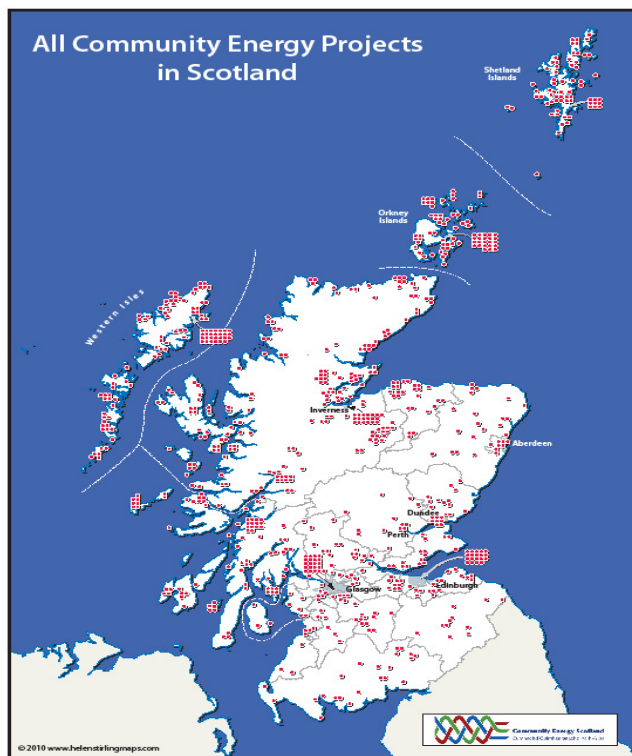
Confidence, resilience and wealth through sustainable energy development

<http://www.communityenergyscotland.org.uk>

Scottish Charity Number: SC039673



About us



Voluntary board; > 200 members

Help communities across Scotland to own and operate renewable energy installations and manage their energy demand.

Provide training, finance and practical help.

Are a voice for communities who want to act now for a more secure and sustainable energy future.

Funded by:

- service contracts
- in hand projects
- consultancies



Can it work for urban communities?



Urban Community Renewables Programme



Route 81 Youth Project
(Garelochhead)
Ground source Heat Pump
with bore holes

working in
combination with mains gas
boilers

OUTDOOR CENTRE





Community Energy Scotland

Cumhachd Coimhearsnachd na h-Alba



Solar Water Heating

Lister Housing Association, Edinburgh



Community Energy Scotland

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Solar Water Heating

Broxburn Family Unit



Ground source heat pump and small wind turbine
Wellhouse Hub Sports, Glasgow



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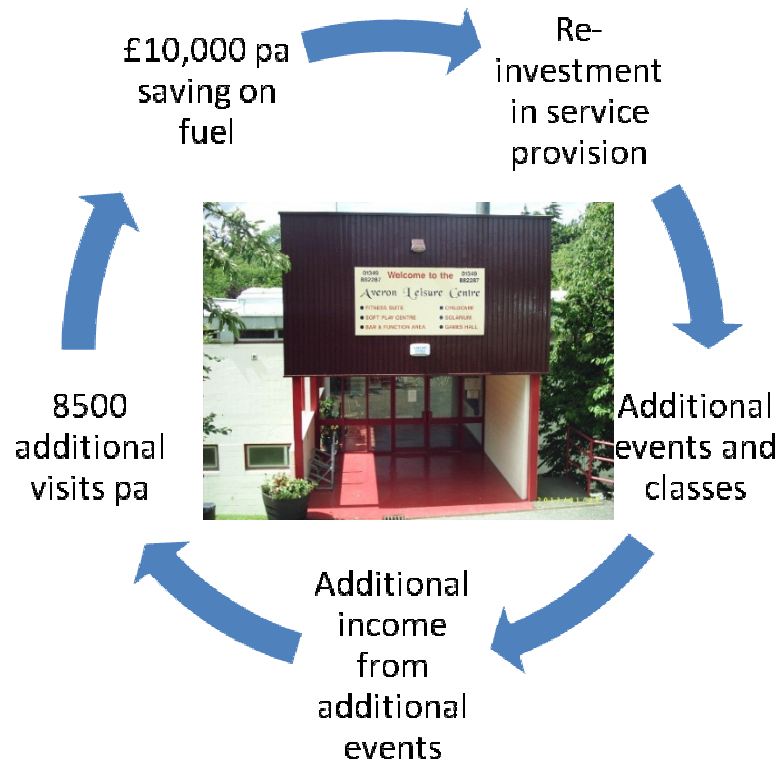


Queens Cross HA,
Glasgow

Solar HW Panels



Small installations can generate big cost savings



Averon Centre, AIness



*Nevis Centre, Fort William – 400kW Biomass Boiler House
~ £25,000 annual saving compared with oil*

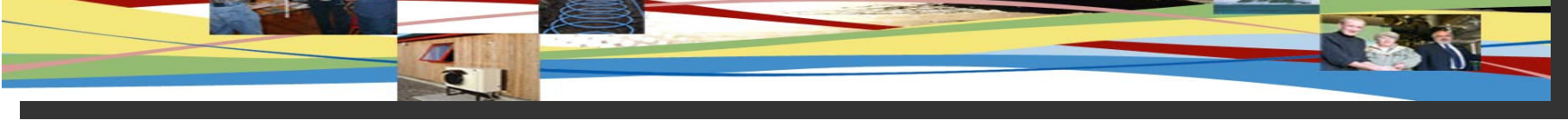


Lessons so far from UCRP – 36 organisations in 2011-12

- Vast majority had no experience or knowledge of renewable energy measures although most had some basic knowledge about energy efficiency measures.
- Value independent advice
- Support needs were high as they generally did not have the experience, time or knowledge level to follow through applications, obtain quotations etc .
- The groups involved in the UDP are all struggling with increasing energy bills and as many depend on volunteer resources.
- All the groups we worked with have benefited from an increased awareness of how to minimise energy wastage and have increased their knowledge on energy efficiency and renewable energy measures.
- Low incomes and cash flow problems make loan assistance difficult.



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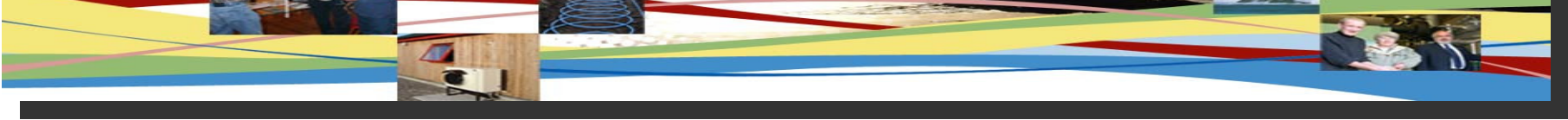
Westray



Tiree



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Larger-scale wind / hydro	TOTAL No. projects	TOTAL No. MW
Western Isles	21	33.70
North Highland	14	11.07
Argyll	20	45.57
Orkney Islands	11	10.50
Lochaber, Skye & Lochalsh	8	3.40
Shetland Islands	8	8.39
East Highland & Moray	5	3.15
Aberdeen, Dundee & Angus	3	1.96
TOTAL	90	117.7



Larger-scale regeneration impacts need larger projects

Requirements	Urban compared with rural
Driving need	yes
Sites	more difficult – need rural partners?
Groups with capacity	more difficult?
General development support	yes
Resources incl finance	yes but...
Planning	more difficult?
Grid infrastructure	yes
Technical options	more limited?
Defn of community / beneficiaries	Less clear?



Joint ventures in practice

Requirements include....	Need...
Good partnership	Opportunities to meet and build trust
Well informed parties – technical, legal, financial	Capacity-building programme
Good understanding of options	Feasibility assistance
Both or all parties bringing resources to the table	Assets, finance, skills and knowledge
Transparency and trust	Commitment to build partnership
Appropriate legal structure – (eg CES and BHA – LLP)	Proforma info and easy access to legal help
Continuity of support	Stable support programme
Supportive local authorities	Sites / access to finance



Strategies and Measures - discussion

- Drive devt. of understanding and capacity through further micro-renewables devt
- Pilot rural – urban joint ventures and awareness through exchange visits, focused info programme, ‘matching service’?
- Focus on urban ‘anchor’ or service organisations first?
- Higher intensity devt support for hard to reach communities?
- Engage local authorities more?



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Scotland's Independent Community Energy Development Charity

<http://www.communityenergyscotland.org.uk>

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