

Collaborations and Shared Ownership Breakout Session



John Malone

Energy4All



M&S ENERGY SOCIETY



- Location – 8 sites, South of England
- Installed capacity – 842kW
- Annual output – 750 MWh
- Number of members - 326
- Share raise total - £1.15m
- Total investment - £1.15m
- Community fund - projected £450k in 20 years





Edinburgh Community Solar

- Largest community owned PV solar scheme of its kind in the UK
- Over 1GWh pa
- 685 tonnes of CO² per annum
- 1.4MW on 24 public buildings owned by City of Edinburgh Council
- 541 Members
- Share offer raised £1.47m
- 80% of members are residents of Edinburgh





Edinburgh Community Solar



Johanna Carrie – Ed Solar Director
at Wardie Primary School

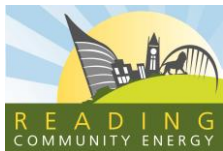
Carrick Knowe Primary
School



Reading Community Energy

- Panels installed on 10 community buildings across Reading and Surrounding Area
- 176kWp generated from solar panels
- 122 members
- 5% return paid to investors
- An estimated Community Fund of £260,000 over the 20 year life of the project





Reading Community Energy



Lifespring Church Roof Installation



Just Around the Corner Installation
with RCE & JAC Directors





Rumbling Bridge Hydro





Rumbling Bridge Hydro

- Location – Kinross, Scotland
- Installed capacity – 500kW
- Annual output – 2,130MWh
- Number of members - 662
- Share raise total - £3.1m
- Total investment - £3.53m
- £5,000 index-linked p.a. + share of surplus



Baywind/High Winds – Harlock Hill





High Winds CES

- Location – Pennington, nr Ulverston
- Installed capacity – 4.6MW
- Annual output – 12,512MWh (at P50)
- Number of members - 791
- Share raise total – £3.98m
- Total investment - £5.53m
- Community fund - £1.4m - £2.0m in 20 yrs



Powering Together

#CEconf17



#CEF17

24th June – 9th July 2017



Martin Hunt

Forum for the Future

Community Asset Bank



Introducing the Community Energy Asset Bank

An innovation project



COMMUNITY ENERGY ASSET BANK

THE DIAGNOSIS

Community energy groups often face difficulties identifying and securing new sites for renewables that are commercially viable, socially acceptable, and technically feasible.



Asset owners with strong decarbonisation targets and active community agendas may have assets which are suitable for development by CE groups - potentially providing them with a cheaper, green power whilst also delivering against their broader sustainability / social value objectives.



Community Energy Asset Bank Evidence

Brighton Energy Co-op, one of the largest community energy groups in the UK, need to meet 40 building owners on average to find one viable roof for solar.

REPOWERBalcombe, spent weeks of valuable time surveying hard copy OS maps and conducting lengthy desk research to identify potential sites, only to find the owners unwilling to engage. They eventually found their site 10 miles from the village, reporting that without the significant support from 10:10, they would have given up long before that point.



COMMUNITY ENERGY ASSET BANK

THE ENQUIRY QUESTIONS GUIDING FEASIBILITY & PILOTING

1. How might we (HMW) make it easier for CE groups to develop renewable energy projects?
2. HMW reduce the time CE groups need to invest to identify and secure sites for new projects?
3. HMW match asset owners who have potentially viable assets with CE groups who are ready and able to set up a project?
4. HMW help community groups and asset owners move quickly from *identifying* a possible site to *securing* a site, upon which to base a project?
5. HMW offer this support in ways that integrate with the tools and resources of other providers?



Community Energy Asset Bank

The initial proposition (1)

Create, pilot and refine a digital platform that matches willing owners and their assets with local community energy group.

The headline aspiration is to deliver a significant reduction in the time and cost it takes to identify and secure sites boosting the development pipeline.



COMMUNITY ENERGY ASSET BANK

THE INITIAL PROPOSITION (2)

We also intend to explore the extent to which we can integrate open data and relevant data from third-parties (e.g. grid, solar mapping) and/or ready reckoner tools as well as signposting or linking to advisory networks with valuable tools and resources, and finance providers.



COMMUNITY ENERGY ASSET BANK FEASIBILITY PHASE KEY OBJECTIVES



Confirming
Need

Testing
Demand

Informing
Design

Identifying
Business
Models



Community Energy Asset Bank

Stakeholder engagement & insight gathering

Asset owners and related bodies e.g.

Marks & Spencer

Land Securities

Aster Homes

Cornwall Council

National Grid

National Trust

SEGRO

Church of England

Savills

Community energy groups and supporters e.g.

SE24 Community Energy

Repowering London

South East London Community Energy (SELCE)

Plymouth Community Energy

Easton Energy

Energy Saving Trust

Pure Leapfrog

Community Energy England

10:10

Regen SW



Community Energy Asset Bank

Positive responses – asset owners

“It is likely that we would favour community energy solutions more favourably. We might even apply a different ROI to other investments – not just about carbon, but also resilience, community benefits, etc”.

FTSE 100 Commercial Property Developer

“A broker would be very useful. If we offered multiple viable assets like our extracare facilities, and the Asset Bank came back with several matches or options that would be good. It is very unlikely that we would chase down options ourselves.”

Housing Association

“We have considered a similar kind of approach, done some mapping of assets. It aligns with our vision of increasing generation that is owned by community groups, and will reduce the resources required by us and them. So definitely keen.”

County Council



Community Energy Asset Bank

Positive responses – community energy

“This asset bank would be very useful, if it can help reduce the initial amount of leg work we have to put into identifying feasible sites”

Community energy group, London

“The biggest value may lie in Forum using it’s network of relationships to get assets on the bank, and then we can do the rest”

Community energy group, London

“Very useful, would really help to reduce time. Would be great if it could leverage access to co-development investment and angel investors”

Community energy group, Bristol



Community Energy Asset Bank

Reflections, comments, questions

Community energy groups – help inform our research, for example:

1. Would your Community Group use this tool? What do you see as the greatest benefit?
2. How easily are you currently able to assess whether a site is commercially and technically feasible? How useful would ready reckoner tools provided through the Asset Bank be to help with that process?
3. What are the minimum types of information you would need from a Asset Owner to assess basic feasibility?
4. What value would you attach to this service?



Community Energy Asset Bank

Reflections, comments, questions

Asset Owners

1. Do you have assets that you think might be suitable to go into the Asset Bank?
2. What information would you want to know about Community Groups in order to consider partnering with them?
3. What types of information would you be willing to provide on your assets to allow feasibility assessment if you don't already have feasibility data?
4. What level/type of brokering/match making would you prefer?
5. What value would you attach to this service?



Community Energy Asset Bank

Next steps

Complete
interviews

Develop Prototype
through Design
Sprint

Identify areas to
proceed to pilot

Secure full funding
for Phase 2 and
develop and pilot
Beta version of
platform



Q&A



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