Collaborations and Shared Ownership Breakout Session
John Malone
Energy4All
- 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 CO$_2$ 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
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

COMMUNITY ENERGY FORTNIGHT

#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 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.
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**

<table>
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<th>Asset owners and related bodies e.g.</th>
<th>Community energy groups and supporters e.g.</th>
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<td>Marks &amp; Spencer</td>
<td>SE24 Community Energy</td>
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<td>Land Securities</td>
<td>Repowering London</td>
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<td>Aster Homes</td>
<td>South East London Community Energy (SELCE)</td>
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<td>Cornwall Council</td>
<td>Plymouth Community Energy</td>
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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 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
Powering Together

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