

Carbon Co-op

Carbon Co-op 2021 AGM

Starts 6pm

Say hello in the chat!

Carbon Co-op

2021 AGM

13 May 2021

www.carbon.coop / @carboncoop

Hello and welcome to the AGM 2021

Agenda

1. Members present and apologies
2. Minutes of last meeting
3. Report on the year & Future Plans
4. Presentation of accounts 2019/2020
5. Appointment of Auditor resolution
6. Board Election

Rules: <https://carbon.coop/about/governance/>

Papers: <https://carbon.coop/carbon-co-op-agm-2021/>

Online AGM - Housekeeping

- People and roles
 - Introductions
- Housekeeping:
 - Stay muted
 - Use the chat to say hello
 - Q&A
 - Voting

Online Voting - how it works

- Voting will be by Zoom poll.
- Only **Carbon Co-op members can vote.**
- If you are a member please rename yourself so you can be identified and add “(M)” after your name - or “(Mx2)” if two of you.
If you want to remain anonymous, please add the (M) and send us a private message telling us who you are.
- If you aren't sure if you're a member, ask in the chat or add “(?)” after your name and we will rename you.
- If votes are close we will check membership statuses of respondents and report results later in the meeting.

Your voting records will not be retained, it is only recorded for verification purposes.

Participants (1)

AP

Andy Participant (Me)

Unmute

More >

Rename

Find yourself - look for "(Me)"

Ar

invite

...



Start Video



Participants



Chat



Share Screen



Record



Reactions

Leave

1. Chair for the meeting

Nomination: Rob Jones

2. Members present and apologies

3. Minutes of the last meeting

- See circulated papers for reference:
<https://carbon.coop/carbon-co-op-agm-2020/>

3. Update and future plans

Impact of Covid outbreak

Jonathan

Online events

- 72 online events in last 12 months
- Incl. householder, project and contractor events
- 2,926 attendees
- 336 EcoHome Lab attendees
- [YouTube Channel](#) 3,994 views in last year



Membership

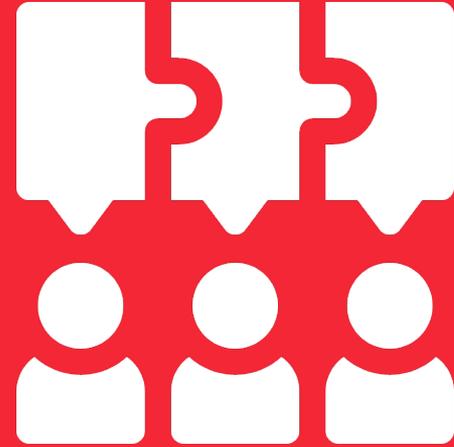
Matt Franklin



305 members

+115

+38%



673 posts

29,763 views

community.carbon.coop

all categories ▾ **Categories** Latest Top

☰ + New Topic

Category Topics

People Powered Retrofit

26

PEOPLE POWERED RETROFIT

Share your retrofits stories, questions and tips!

Low Carbon Communities

6



Share your knowledge, experiences and ideas about how we can create and support low carbon communities wherever we live.

Home Energy Systems

37



Share your home energy projects. Learn how to turn your home into the smart eco-home of the future.

Latest

New roof; solar PV as well? **3**
 ■ People Powered Retrofit 3h

New PV - questions to ask **1**
 ■ People Powered Retrofit 19h

Accessing funding for energy saving measures - Green Homes Grant **4**
 ■ People Powered Retrofit 2d

Incentives for trainees to spread energy advice around disadvantaged communities **4**
 ■ Low Carbon Communities 7d

Innovative energy tariffs **5**
 ■ Home Energy Systems 7d

Carbon Co-op AGM 2021 **2**
 ■ Members Only 8d

Impact tracker - looking for user testers **15**
 ■ Members Only 8d

Immersion Heater inline with central heating? **12**
 ■ People Powered Retrofit 10d

Retrofit Team

Jonathan

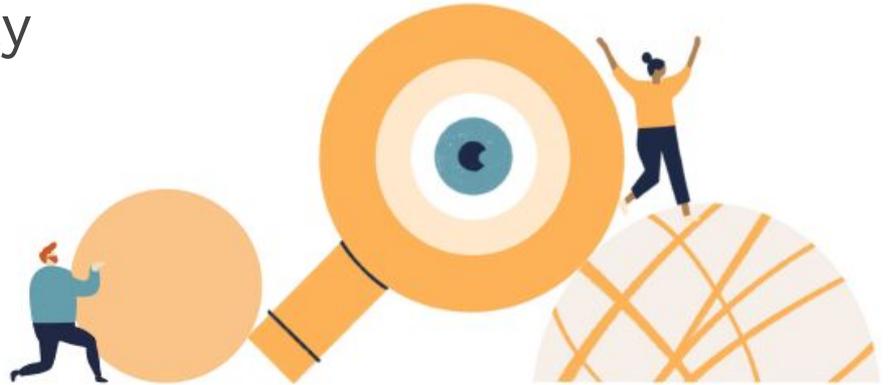
People Powered Retrofit

- 60+ clients
- Service offer defined
- Supply chain training offer
 - Ashden Awards 2021 nomination
- Lots of interest from around UK/EU
- Capacity reached
- Business Plan
 - Seeking investment this summer



Retrofit for All

Explores how funded energy efficiency schemes in the context of energy vulnerability can be more effective.



How can we run better schemes?

Rather than people fitting in around the needs and priorities of a funder or existing supply chain, we ask first:

What would a successful energy efficiency scheme look like from the point of view of a resident-client experiencing energy vulnerability?

By understanding this we can then look to make the funding environment, the supply chain and procurement approaches work for people.

Retrofit for All Toolkit

How to centre energy-vulnerable clients in the design of energy efficiency schemes

<https://carbon.coop/2021/04/new-lease-retrofit-for-all-toolkit/>

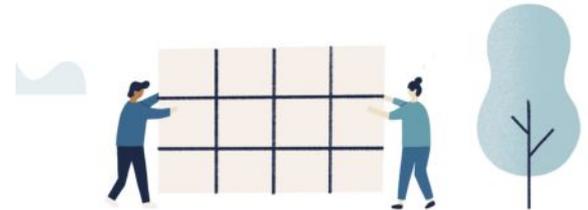
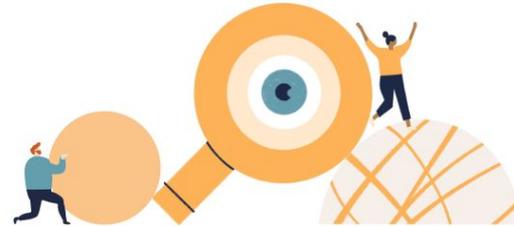
Carbon Co-op

electricity
north west



Structure

The toolkit looks at the project cycle of an energy efficiency scheme at the initial contact and sign up, survey, design, installation and post works stages.



Stage Three Design



<p>Resident-client experience</p> <p>What is important from the resident-client's point of view?</p>	<ul style="list-style-type: none"> To understand and trust what is planned. To have the opportunity to input into the design process. 	<ul style="list-style-type: none"> To be listened to and have their lived experiences and concerns taken into account. 	<ul style="list-style-type: none"> To receive communications that are clear and understandable. 	<ul style="list-style-type: none"> To be able to use and understand heating controls.
<p>Why important?</p> <p>Why are the factors outlined above particularly important when working with people experiencing energy vulnerability?</p>	<ul style="list-style-type: none"> Some people are less likely to engage with the scheme without access to the design process, others may have lives that are difficult to cope with and will not have capacity to engage in any design process. Both are in need of support and need to be catered for in how the design process is carried out. If resident-clients understand what measures are being installed and why they will be more likely to use new systems in an appropriate way, thus better meeting scheme goals. 	<ul style="list-style-type: none"> Meaningfully taking on board resident-clients lived experiences in the design phase leads to goodwill, buy in and trust. This can lead to resident-clients becoming champions for the project and increased engagement in follow on schemes. It will also support resident-clients ability to deal with disruption in the installation phase (to an extent). 	<ul style="list-style-type: none"> Resident-clients have a broad range of communication needs, ranging from those who will only read the front page summary of a report in clear and simple language (if anything), to those who will want lots of detail. 	<ul style="list-style-type: none"> Confusion and incorrect use of heating controls can have a big impact on the comfort and health of resident-client and the effectiveness of energy efficiency measures. Given the wide availability of varied heating controls this is an area in which choice could have a significant impact.
<p>Scheme design</p> <p>Taking into account the resident-clients' point of view, what should be considered in the design of the scheme?</p>	<ul style="list-style-type: none"> Organise events to share plans and gain input, make sure these events are engaging as possible. Bates et al (2012) and Groves (2019) (renovation of council estate tower blocks) found that public meetings were much less engaging than using open days to look around pilot flats and speak directly with the design team. 	<ul style="list-style-type: none"> Space should be made to engage with resident-clients early enough that their input can be meaningfully taken into account. 	<ul style="list-style-type: none"> Use participant co-production to develop communications, i.e. find out what communication style works best, visual, verbal, written. 	<ul style="list-style-type: none"> If heating systems are being upgraded, or if there is potential to change heating controls, allow staff time for supporting resident-clients to understand and pick the heating controls that will best suit them.

Stage Four

Scheme Manager Checklist

- There is a one point of contact for resident-clients throughout the build process.
- The resident-client liaison has the power to meaningfully deal with concerns.
- The resident-client liaison keeps regular contact with resident-clients using clear communication.
- Before works starts there has been good communication and expectation management around disruption.
- Mitigation processes are in place to take account of disruption during works, this has taken into account physical and mental health needs.
- Before works start the plan for dealing with snags has been communicated.
- There are plans to deal sensitively with mental health issues such as hoarding.
- Customer service proficiency and track record is included in the tendering process.
- Site workers have capacity and training to manage good resident-client relations.
- The resident-client is aware of the complaints process.
- Before works start there is clarity between the resident-client and the installer on responsibility for non 'build' aspects of the works including clearing spaces pre-works and what constitutes finished works.
- Good communication during the build phase around access requirements and appointments.
- Any changes to the work schedule are clearly communicated with reasons given for delays.
- Reports of problematic behaviour of either party (resident-client or installer) are investigated and resolved adequately.
- There is an appropriate timeframe for finishing works (avoiding artificial deadlines).

Energy Commons Team

VISION

Future sustainable energy systems are realised, owned and controlled in common by locally rooted and representative institutions, organisations and citizens, maximising social value.

Energy Commons Team: projects



Greater Manchester Local Energy Market (GM LEM)

- Innovate UK funded
- Our role is to support project partners, Bruntwood and Ovo, in taking a user-centred approach to developing and testing new business models for a Greater Manchester Local Energy Market
- Project is led by Greater Manchester Combined Authority



GREATER
MANCHESTER
**LOCAL ENERGY
MARKET**

DOING THINGS DIFFERENTLY FOR THE ENVIRONMENT

mpower

Cities learning
for fair, clean
& democratic energy



- Horizon 2020 funded
- 2018 - 2022
- Developed and co-delivered peer learning programme for 25 city officials across Europe
- Currently delivering
 - Incubation programme for selected cities
 - Regional sharing events
 - Best Practice guides

Energy Systems Team

Ben

About 'Energy Systems'

- Focussed on monitoring/controlling energy systems in homes. Think solutions for monitoring and controlling EV chargers and batteries.
- Based around several major innovation projects.
- Well established in this area now both in UK and in certain European contexts.
- We also seek to exploit overlap with retrofit activity wherever possible - 'aggregator-ESCO-op' strategy.



Projects timeline

2016

2017

2018

2019

2020

2021

Nobel Grid (H2020) - £300k



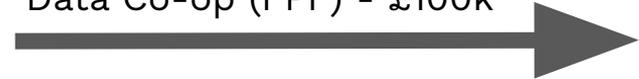
OpenDSR (BEIS) - £200k



REScoopVPP (H2020) - £400k



Data Co-op (FPF) - £100k

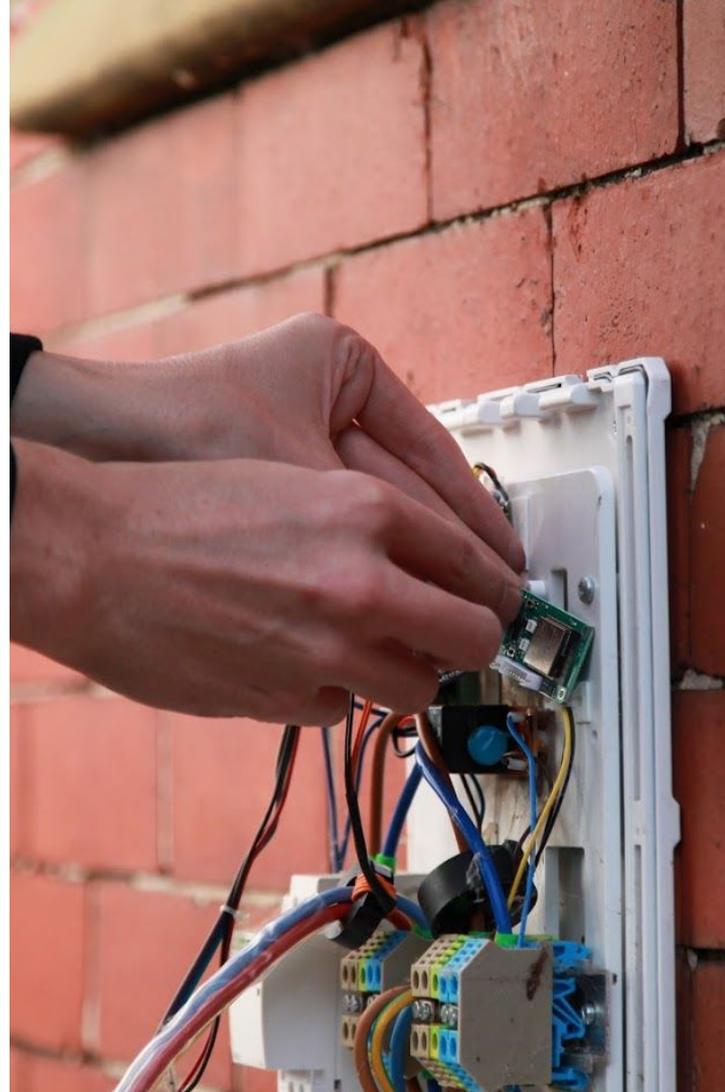


GM LEM (ICSF) - £150k



OpenDSR (2019 - July 2021)

- Funded by UK government.
- Developed a technical system for doing 'demand side response' in homes.
- Deployed in ~50 homes across UK in last year.
- Demonstrator now over - report will come out in September.
- Thanks to all those of you who participated.
- Work continues as part of...



RESCOOPVPP (2020 - 2023)

- Funded by Horizon 2020 involving 14 partners across Europe.
- Building directly on the work in OpenDSR and adding new capabilities such as support for time of use tariffs and add support for batteries and electric heating.
- Will be another demonstrator kicking off in autumn. We hope to recruit up to 100 people. Members have first dibs.
- More info: <https://rescoopvpp.eu>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the grant agreement N°893240

PowerShaper - an overarching service and brand for this activity

We developed a brand as part of OpenDSR to bring some consistency and coherence to this activity. This year it will become a family of services:



PowerShaper
Monitor



PowerShaper
Flex



PowerShaper
Business

To find out more about PowerShaper visit:

<https://powershaper.io>

Impact Tracker Launch

Matt Franklin

E5: Collective action is taken

Our membership acquires and shares knowledge collectively and owns and controls the means (ie tools and processes) of their own carbon reduction descent.

Carbon Co-op 'Organisational Ends'

E6: Aware of carbon footprint and reduction targets benchmarked

Our membership and the Greater Manchester population are informed of their personal contributions to the causes of climate change and understand their responsibilities for reducing these in the context of environmental justice.

Tracking members' impact

- Demonstrate power of collective action
- Track our carbon emission reductions
- Understand our impact of our membership.
- **Participate by 16th July for initial baseline**

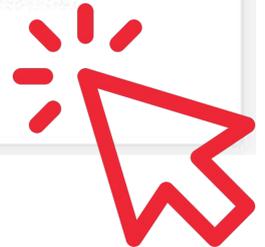
Access from the members' hub: hub.carbon.coop



Impact tracker

Track your home's energy consumption and carbon emissions to help us chart Carbon Co-op's collective impact. Take part before the 16th of July to be included in our initial baseline.

[Take the survey](#)



Review your answers

Please check that everything is correct. You can [go back and change anything](#) if it looks wrong.

Your data quality indicator is **amber**.

You would benefit from reviewing your answers further to make less assumptions, but your results will be reasonably accurate.



Quality indicator based on whether answers are 'accurate' or estimates.

▶ How can I improve this?

Your answers

How many people live in your home?

2.0 [Edit](#) ←

What is your postcode?

M19 3FP [Edit](#)

What was your gas consumption over this year?

9560kWh (From actual consumption) [Edit](#) ✓

What was your electricity consumption over this year?

2002kWh (From actual consumption) [Edit](#) ✓

Which year do your figures relate to?

2020 [Edit](#)

Do you own an electric vehicle which you charge at home?

No [Edit](#)

Do you know the floor area of your home?

Yes, 66m² (Taken from an EPC of your property) [Edit](#) ?

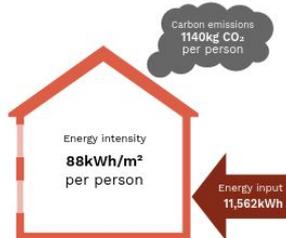
Allows you to go back and edit answers that might be wrong

These results will be aggregated and anonymised, and used to demonstrate our collective efforts to tackle climate change.

If all the details are correct and as complete as possible then click 'confirm' below to complete the survey.

Confirm and see results →

Your results



Your home Energy Use Intensity:
175 kWh/m²/year

How much carbon dioxide was emitted:
2279 kg/year

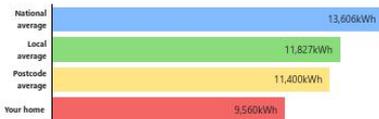
How much carbon dioxide was emitted per m² each year:
35kg

How much carbon dioxide was emitted per m² by every person each year:
17kg

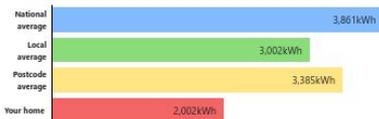
[How are CO₂ emissions calculated?](#)

Energy Use Intensity is an annual measure of the total energy consumed in a building. It is a really useful metric which allows buildings of a similar type to be compared so that we can understand how well the building performs in use.

Gas usage compared



Electricity usage compared



[About local and postcode averages](#)

Sharing

You can share your results with someone else:

<https://hub-staging.carbon.coop/impact-tracker/results/00910efe-0e97-40e9-ab68-2a1> [Copy](#)

Start again

You can go through the survey again for a different property.

[Start again](#) [Hub home](#)

Sharing

You can share your results with someone else:

<https://hub-staging.carbon.coop/impact-tracker/results/00910efe-0e97-40e9-ab68-2a1> [Copy](#)

Start again

You can go through the survey again for a different property.

[Start again](#) [Hub home](#)



[About local and postcode averages](#)

... a building.
... npared so



Next steps

- Aggregate and report back anonymised data
- Possibility of supplemental questions to help us understand what our members are doing to tackle carbon emissions.
- Use data to encourage behavior change.

Big thank you to funders... including all our members!



Department for
Business, Energy
& Industrial Strategy



Innovate UK



Horizon 2020
European Union Funding
for Research & Innovation

Carbon Co-op

Comments or questions?

6. Presentation of accounts 2019/2020

Finance team:

- Peter Livesey - Treasurer
- Jonathan Atkinson and Ben Aylott (admin)
- Third Sector Accountancy (bookkeeping and accounting)
- + occasional audit requirements relating to specific grants
- Accounts run from 1st October 2019 - 30th September 2020

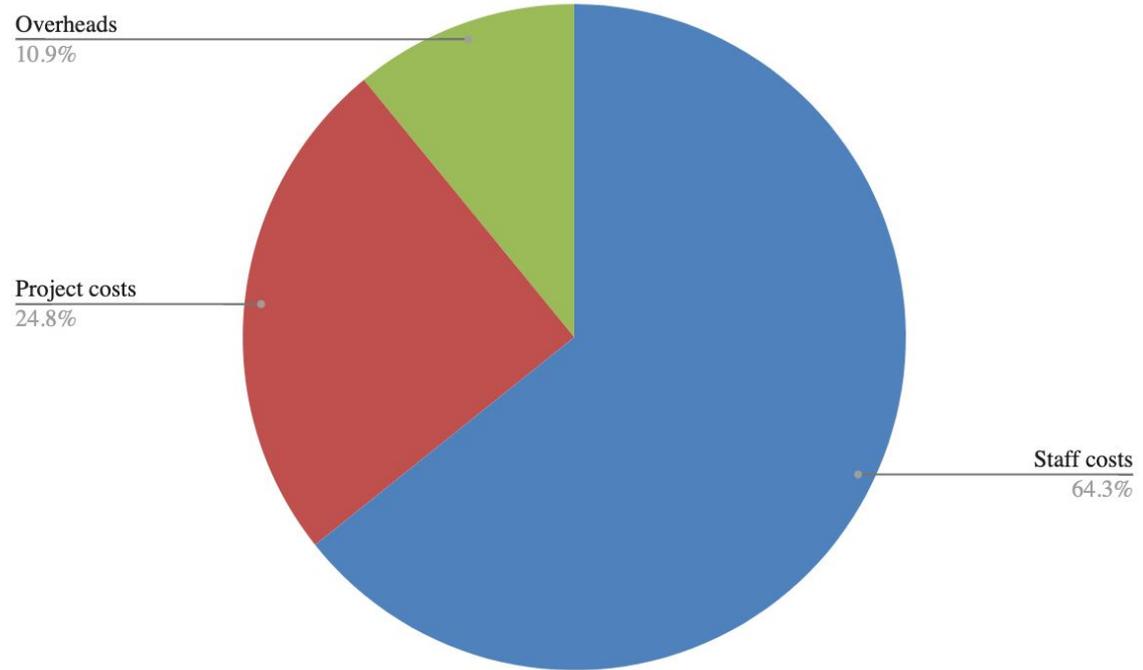
Income generation vs grant funding

Income generation	Amounts	%
Grants	£706,334	96%
Income generation	£28,680	4%
Total	£735,014	

- The vast majority of income is resourced from grants

Breakdown in expenditure

- Majority of costs are staff (14 staff members)



Accounts 2019-2020

**The Society for the Reduction of Carbon Limited
Profit and Loss Account
For The Year Ended 30 September 2020**

creenshot

	Notes	2020 £	2019 £
TURNOVER		28,680	15,011
GROSS PROFIT		28,680	15,011
Administrative expenses		(706,334)	(463,312)
Other operating income		682,774	472,443
OPERATING PROFIT AND PROFIT FOR THE FINANCIAL YEAR		5,120	24,142

The notes on pages 8 to 11 form part of these financial statements.

The Society for the Reduction of Carbon Limited
Balance Sheet
As at 30 September 2020

	Notes	2020		2019	
		£	£	£	£
FIXED ASSETS					
Tangible Assets	3		1,776		1,761
			<u>1,776</u>		<u>1,761</u>
CURRENT ASSETS					
Debtors	4	483,031		335,970	
Cash at bank and in hand		434,040		177,429	
			<u>917,071</u>		<u>513,399</u>
Creditors: Amounts Falling Due Within One Year	5	(496,457)		(97,890)	
NET CURRENT ASSETS (LIABILITIES)			<u>420,614</u>		<u>415,509</u>
TOTAL ASSETS LESS CURRENT LIABILITIES			<u>422,390</u>		<u>417,270</u>
Creditors: Amounts Falling Due After More Than One Year	6		<u>(386,858)</u>		<u>(386,858)</u>
NET ASSETS			<u><u>35,532</u></u>		<u><u>30,412</u></u>
CAPITAL AND RESERVES					
Called up share capital	7		129		129
Profit and Loss Account			35,403		30,283
SHAREHOLDERS' FUNDS			<u><u>35,532</u></u>		<u><u>30,412</u></u>

The notes on pages 8 to 11 form part of these financial statements.

7. Appointment of Auditor resolution

Proposal to dis-apply the requirement to appoint an auditor in line with the Co-operative and Community Benefit Societies Act 2014

8. Board Election



8. Board Election

Jonathan Atkinson
Matt Fawcett
Dr. Lloyd Hamilton
Michael Hemingway
Chris Jones
Dr. Ann Kolodziejski

Sian Richards
Eddie Sheehy
Matt Sanderson
Peter Livesey
Ivana Jakubkova
Rob Jones