



Carbon Co-op

Ends Report 2018



Ends

In 2015, members set out Carbon Co-op's 'Ends'. These are the 'ends' which the organisation sets out to achieve, the intended results of our activity and include an outline of beneficiaries and how our work will assist them.

Ends are a key part of the governance system, known as Policy Governance, we use, and staff members regularly report to the board on progress towards Ends. Here we present our seven Ends and highlight some activity we have carried out to support them.

Overarching-End: Domestic carbon emissions are radically reduced in order to avoid runaway climate change.

The domestic carbon emissions of Carbon Co-op members and the wider public in Greater Manchester and beyond, are radically reduced to an extent sufficient to avoid runaway climate change.

END 1: Radical carbon emission reduction strategies are created and shared

END 2: 2050 retrofit is made possible

END 3: Local authority action in Greater Manchester is supported

END 4: The energy system is de-carbonised

END 5: Collective action is taken

END 6: Aware of carbon footprint and reduction targets benchmarked

END7: Environmental justice is demonstrated

E1: Radical carbon emission reduction strategies created and shared

Knowledge is openly shared and disseminated and well documented, open models for radical domestic carbon reduction are readily available to enable the public, policy makers and other community organisations to be inspired and be replicated.

We have been working with other Community Energy groups to replicate our successful whole house assessment service, MyHomeEnergyPlanner. In particular with Cumbria Action for Sustainability (right) who have been adding flood protection features to the open source tool that powers the service.



In April, we collaborated with Community Energy England, to run an energy efficiency and retrofit event for Community Energy groups around the UK (left). As a leader in the field, we shared our knowledge, learning and viable models.

E2: 2050 retrofit is made possible

Owner occupiers can simply and affordably reduce their home carbon emissions to 2050 standards through the adoption of fabric first, whole house, energy efficient retrofit works.

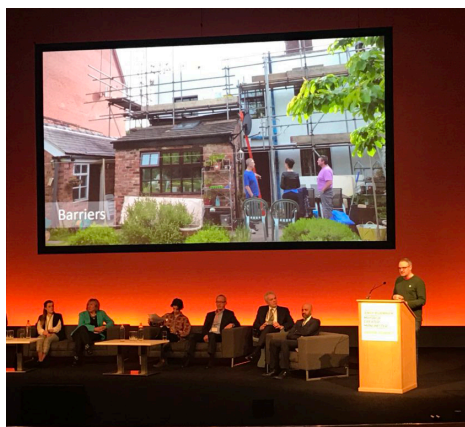


We have continued to support members to carry out retrofit works on their homes and have launch a new integrated training programme with 8 new courses attended by over 130 people since September.

Members continue to carry out work and share experiences with the co-op and beyond.

In September 2018, we launch a new four year programme to support retrofit work in Greater Manchester.

We continue to lobby politicians and civil servants to improve the local and national policy environment for retrofit. We spoke at Greater Manchester Mayor Andy Burnham's Green Summit and our work was highlighted by BEIS in new strategy documents.

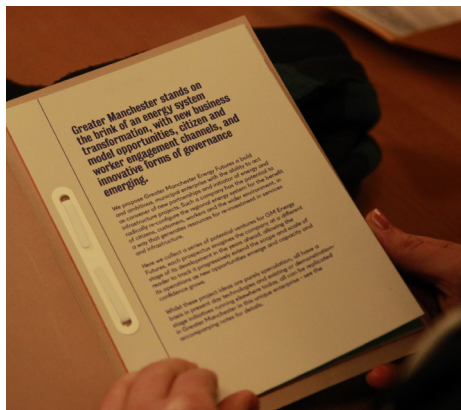


E3: Local authority action in GM is supported

Politicians and policy makers at the GMCA (Greater Manchester Combined Authority) possess practical examples and guidance, assisting them in rolling out fair and effective carbon reduction measures, alone or in collaboration with Carbon Co-op, fulfilling their climate obligations to Greater Manchester citizens.

Highlights include:

- People's Republic of Energy
- a year long collaboration with academics, energy system practitioners, activists and unions developing new municipal energy ideas and the idea of a Greater Manchester energy company.
- The Great Energy Escape
- an immersive game at Manchester Science Festival 2017, gave families an idea of how the energy system in Greater Manchester might be decarbonised and balanced.
- mPower - a new, four year collaboration which will identify the most innovative local authority energy projects around Europe and facilitate knowledge exchange.



E4: The energy system is de-carbonised

Our members, individually and in aggregation, have the tools and knowledge to optimise their interactions with the electricity grid, reducing domestic carbon emissions and generating income as appropriate.



Highlights include:

- Five members taking part in a battery storage pilot
- The feasibility of new Aggregator services is being tested as part of a series of BEIS-funded projects
- A number of collaborations with Electricity North West including a co-branded event looking at the transition to DSO.



Five members have received OpenEVSE chargers - smart, flexible and open source electric vehicle chargers as part of the Nobel Grid project.

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 decent.

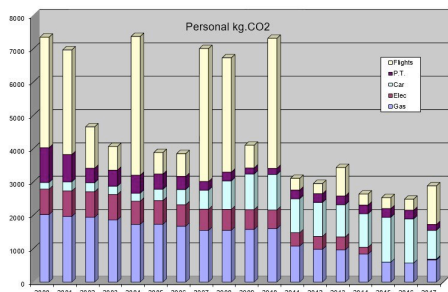
Highlights include:

- **Examples of collective action and knowledge exchange within the membership, including: Energise Festival; Socials; Info Nights; monthly Retrofit MeetUps**
- **Collaborative projects with other like-minded organisations who share our values including: Cumbria Action for Sustainability (My Home Energy Planner), Community Energy England (energy efficiency event) and Regen (demand side response and local flexibility projects).**
- **Our participation and membership of networks and organisations including Co-operatives UK, Fuelling Manchester, Association of Environmentally Conscious Building (AECB) and RESCoop**



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.



The Nobel Grid project has provided us with the opportunity to offer members high quality, accurate monitoring information and integrate this data in to new tools and applications. We aim to create a space on our new website for individuals to track their ongoing carbon decent.

Collaborative energy monitoring and evaluation work with members (and especially Dom McCann - @zapaman) has greatly helped Carbon Co-op understand the impact of the retrofit work we do and benchmark quality and performance.

As a result, we have discussed the idea of a Greater Manchester Retrofit standard and will be developing this in future.



E7: Environmental justice is demonstrated

Members, staff and wider stakeholders possess knowledge and understanding of energy justice and social equity and this knowledge frames their carbon reduction activities.

We are developing new tools and projects which help address inequalities within the energy system and benefit those people with high bills and low incomes in a way that encourages quality and resources and develops skills in local communities.

The Salford Building in Warmth is a collaborative project with National Energy Action and Salford Council testing this approach locally - a picture from the launch is shown below. We have also been working with Plymouth Energy Community to develop a simple, low cost, quality energy efficiency assessment service.



Many thanks to all our friends and collaborators who have made this work possible including URBED, OpenEnergyMonitor, MadLab, Hannah Knox, Britt Jurgensen, Jam and Justice, National Energy Action, Salford Council, Friends Provident Foundation, Plymouth Energy Community, Bath and West Community Energy, CAFs, Community Energy England, Co-operatives UK, GMCA and the GM Low Carbon Hub and many, many more - and of course all our members and board members!



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Registration Number 31342R