



PROJECT  
HIGHLIGHTS

EXPANDING OUR  
WORK AND REACH

INCREASING  
INCLUSIVITY

# OUR IMPACT IN FOCUS 2023-2024

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Pipeline potential



Creative power



People-powered retrofit



We were really excited that, not only could we save some money on our energy bills, which we could then spend on our children, but also that it would support people in the local community.

Francesca Smith, Headteacher, Jack Tizard School, welcomes a new solar installation enabled by Repowering London



# 2023-2024 HIGHLIGHTS

## Co-operatives reach new boroughs



New community co-operatives were established in Barnet, Hammersmith & Fulham, and Newham with Repowering London's support. **See p8**

## A voyage towards green jobs



Our Voyage to Repower education programme introduced young adults to opportunities in the green industries and energy. **See p11**

## We put people at the heart of urban retrofit



Learn how we are moving the dial on retrofit to solve its biggest challenges. **See p21**

## Pipeline potential grows to 6.5MW



We've worked with volunteers and borough partners to identify new sites with the potential to host future solar installations. **See p9**

## We brought together art & energy



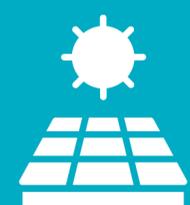
Our first event combining creativity and community energy education & advocacy drew an enthusiastic crowd. **See p13**

## Pilot project improves home health



A groundbreaking project funded by Impact on Urban Health saw people enjoy improved air quality and greater energy efficiency. **See p24**

## Installation influx



The introduction of Repowering Finance, accelerated our installation programme. **See p10**

## Toolkit targets participation



We published a 'Participatory Toolkit' to help community energy groups increase their inclusivity. **See p16**

## Funding secured for an ambitious pilot



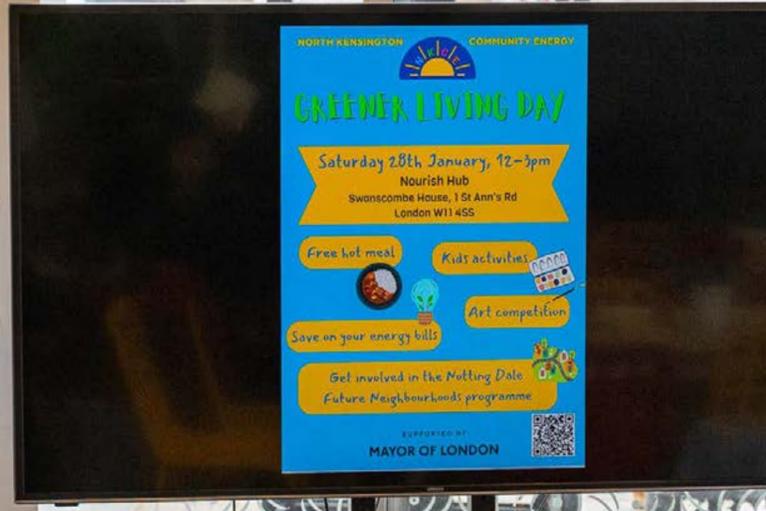
We secured £1.5m in funding to test our concept for scalable, replicable community change, centred around clean energy. **See p26**

# Spreading our message

Repowering London  
representatives made  
**15 media appearances.**  
We also hosted visits from  
the Chair of Ofgem and  
Ed Miliband MP.

2023-24 Highlight in focus: Press & Media

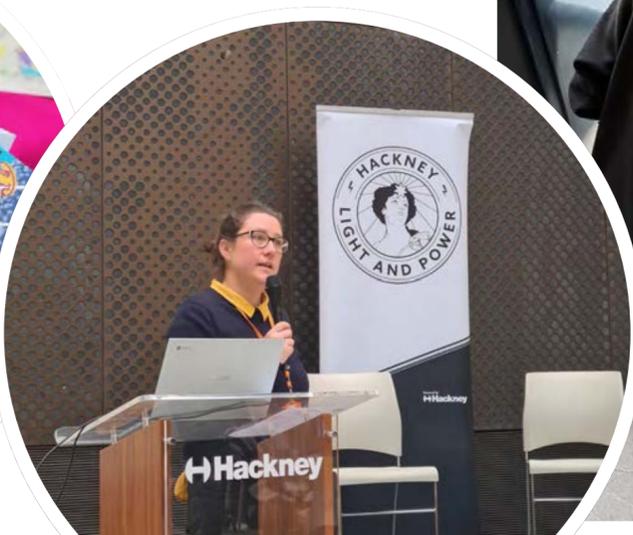
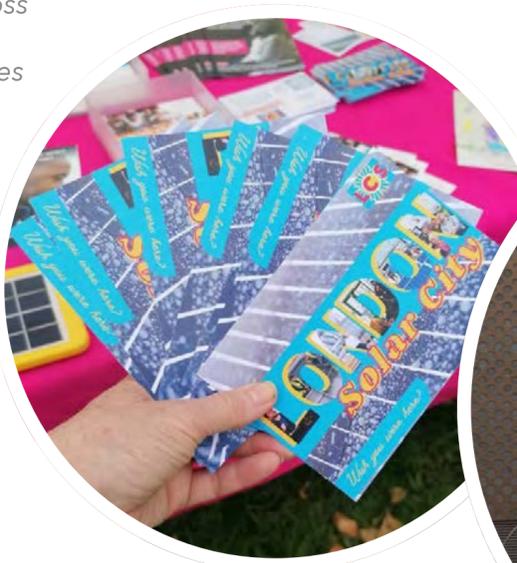




## Growing our audience

From local festivals and climate summits to co-op outreach events, our teams were visible across London's communities

Repowering London engaged with over **3,800 people** across all activities in 2023 and 2024.

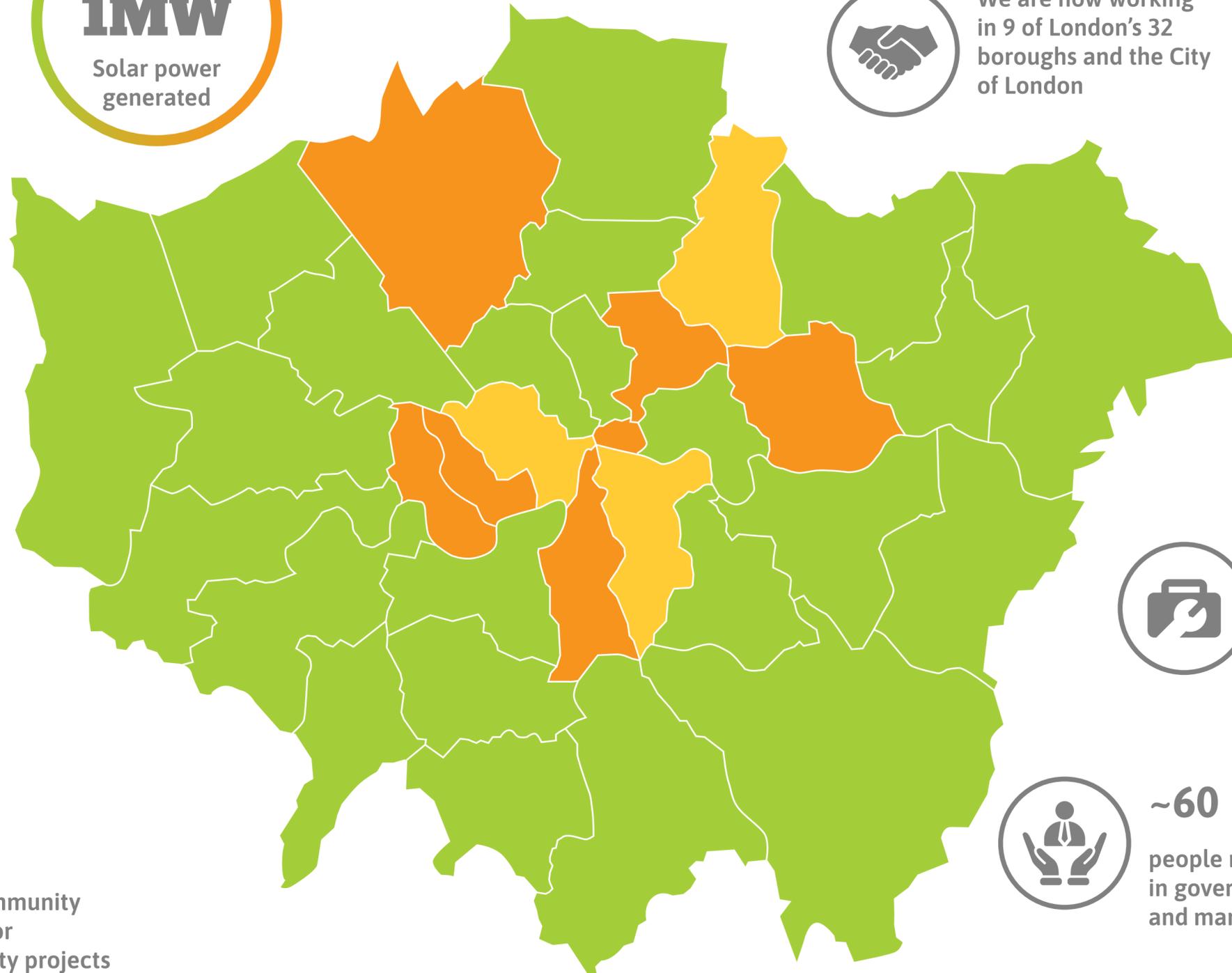


# OUR CURRENT FOOTPRINT

**1MW**  
Solar power generated



We are now working in 9 of London's 32 boroughs and the City of London



## OUR GOAL

FROM **1MW**  
TO **5MW**

Total installed solar capacity by 2030



**11**

locally focused energy companies supported so far, now with solar installations on 44 rooftops



**1,120**

tonnes of CO2 missions saved so far



**~900**

people directly involved as local investors, co-operative members and volunteer directors



**£225k**

being ringfenced in Community Funds and earmarked for spending on local priority projects



**2,000**

children and young people involved in and inspired by climate and energy learning



**150+**

young people received paid training, internships or mentoring



**~60**

people mentored in governance and management

- **Developing work:** Southwark, Waltham Forest, and Westminster
- **Established projects:** Barnet, City of London, Hackney, Hammersmith & Fulham, Kensington & Chelsea, Lambeth and Newham

# CREATING LOCAL ENERGY





Hammersmith & Fulham Community Energy and headteacher Francesca mark the completion of the Jack Tizard School install



## Building up our co-op family

Directors of Community Energy Newham celebrate the installation of panels at East Ham Library along with the local community

We supported the establishment of three new community energy co-operatives in 2023 and 2024, in the London boroughs of Newham, Hammersmith & Fulham, and Barnet.

These projects are already reducing bills and creating positive climate impact for their communities.

There are now five new solar installations in place at local libraries and schools in Newham, with more

installations due in 2025. We have also established a solid partnership with Newham Council, which sets a strong model for future co-development with local authorities (see p18).

In Hammersmith, a 270-panel solar installation at Jack Tizard School is saving the school some £2,000 in energy costs each year. This money is then free to support services to its students, who have a range of serious learning difficulties.



Members of Community Energy Barnet meet the public to encourage new participants



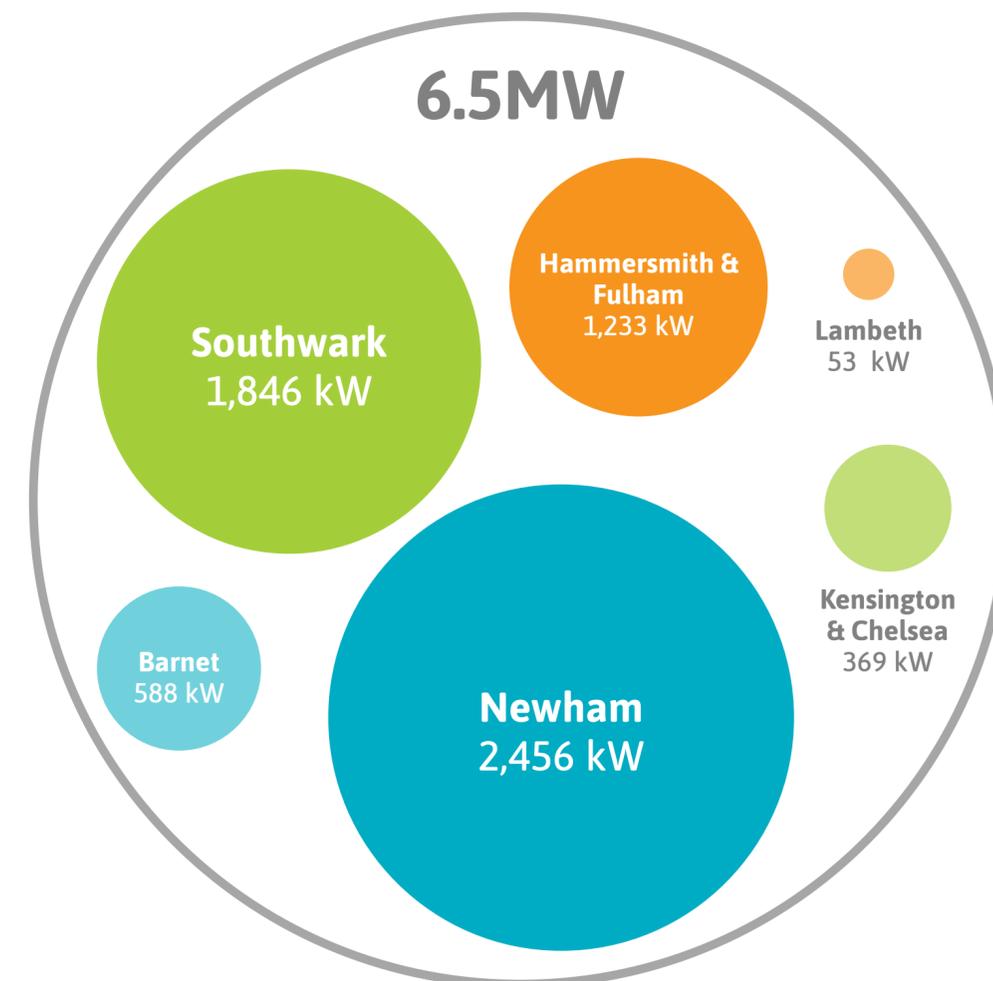
## Building future foundations

As we expand the Repowering London family of co-operatives into new boroughs, we are working with volunteers to identify new sites for their potential to host community-owned rooftop solar projects.

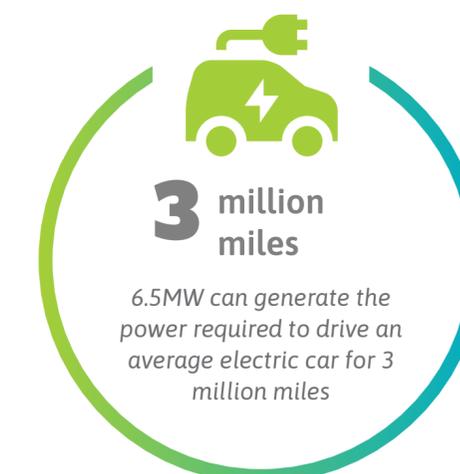
Through assessments and feasibility studies to date, we have identified 6.5MW of potential rooftop solar capacity across London boroughs.

This pipeline reflects not just potential solar installations but the relationships and groundwork we have built to scale community energy across London. While not all sites will progress to installation, our structured approach ensures that as we expand, we are doing so with pre-identified, pre-assessed opportunities that can move forward efficiently.

## Potential solar pipeline



We have identified 6.5MW of potential rooftop solar capacity across London boroughs





# Driving solar expansion: Repowering Finance

Standing behind our plans for solar pipeline development and enabling several of our recent installations is Repowering Finance.

This newly created Community Benefit Society was developed by Repowering London to accelerate the adoption of community-owned solar energy in London.

Repowering Finance has agreed a £1.5m loan facility with social impact lenders the Esmée Fairbairn Foundation and Trust for London.

This finance facility allows Repowering Finance to install solar assets across London on behalf of local community groups. These assets will then be held in trust for the local group until it is able to raise the capital required to purchase the assets.

By decoupling fundraising and installation processes, it empowers local communities to participate in the low-carbon transition, delivering significant social and environmental benefits.



No. of Londoners  
**5000+**  
engaged in the  
low-carbon  
future

Loan  
facility of  
**£1.5m**  
speeds up  
development

Will support  
green jobs for  
**300**  
young  
people



## Repowering Finance: Our ambition

**Accelerated Solar Deployment:**  
Aiming for 5MW of community-owned solar.

**Empowered Communities:**  
Fostering ownership and participation in renewable energy.

**Financial Benefits:**  
Building projects that create impactful community funds.

**Green Skills & Jobs:**  
300 young people to gain employment in the green energy sector.

**Active Citizen Engagement:**  
5,000+ Londoners participate in the low-carbon transition.

**Environmental Impact:**  
Increases solar energy capacity, contributing to London's decarbonisation goals.



## Empowering young people

Our Voyage to Repower (VTR) education programme for 18–24-year-olds who are not in education, employment or training continued to inspire. Our 2023-2024 cohort of 15 young people, recently completed the programme's intensive three-part journey.

VTR is not just about knowledge transfer; it's about personal and professional growth. And our participants reported increased confidence, improved communication skills, and a deeper understanding of the green sector.

## Key highlights

- **Collaboration.** VTR's success was fuelled by the support of local councils, the community energy community and our key delivery partner Voyage Youth. It was able to call on the expertise of organisations such as the SDCL Group, KLH Sustainability, Youth Climate Action, Yes Make, Are you Mad, Caxton Hall, Power Up North, and Team GJC.  
  
We were grateful for funding from the Charities Aid Foundation, which helped to develop the VTR offer.
- **Green Innovation.** A final group project challenged participants to develop and present a green initiative. This brought through innovative ideas, including a novel recycling bin design, a school gardening competition, and a plan to expand green spaces within the community.
- **Ongoing support.** Completion of the course includes job search support, one-year of mentoring, as well as access to a growing alumni network.
- **Expert leadership.** Workshops were led by industry experts, covering topics including solar & retrofit technology, finance, sustainability and IT, as well as employability skills.



Total hours of workshop delivery for participants



Total number of young people that took part in the project



The percentage of young people in our 2023 cohort who are now employed



I have increased my self esteem in terms of finding a job and noticing what I am already good at.

Aisha, VTR 2024



I have been motivated to find a job in the green industry.

Dean, VTR 2023



## **CREATIVE ENERGY: ENGAGING COMMUNITIES IN THE ENERGY TRANSITION**



Created for our Creative Energy Exhibition, a cyanotype-generated quilt depicts our volunteer Directors and supporters

# The power of creativity

At Repowering London, we use creativity to engage communities in energy conversations. Through our innovative **Creative Energy Clubs** and our first **Creative Energy Exhibition** in 2024, we have made energy education participatory, inclusive, and inspiring. These initiatives have sparked new collaborations, widened participation, and empowered individuals to take action in the energy transition.

Together, these initiatives have demonstrated the power of **art and community engagement** in shaping a fair and sustainable energy future.

Moving forward, we plan to expand Creative Energy Clubs, scale up the Creative Energy Exhibition, and deepen partnerships between artists, communities and policymakers to amplify our impact.

 Our Creative Energy Exhibition brought together a range of artists' work, participation and energy education



If we want an alternative future, we've got to imagine it first ... and then we have got to want it, and then we have got to do it. And that is where creative energy steps in.

Oli Conner, Head of Innovation,  
London School of Solar Punk



## Key impacts

- **Engagement & inclusion.** Hundreds of participants, from children to adults, took part in hands-on creative workshops, making energy conversations accessible and engaging.
- **Innovative learning.** Art-based activities such as cyanotype printing, zine-making, and textile work provided interactive ways to understand energy systems and sustainability.
- **Community empowerment.** Local energy co-op volunteers engaged directly with other members of their communities, strengthening participation in energy projects.
- **Creative advocacy.** The Creative Energy Exhibition showcased diverse artistic expressions, inspiring discussions on energy rights and just a transition.
- **Collaboration & expansion.** Partnerships with Studio61, Regen Art Lab, and University of the Arts London enriched the programme, setting the stage for future growth.
- **Policy & awareness impact.** The exhibition and clubs attracted local authorities, energy sector workers, and activists, driving conversations on sustainable energy solutions.



process

roles  
scope

purpose

connection

What's your experience of being involved in an org?

What made that meaningful to you?

Explain one form is a coop - here is our experience / coop

How can <sup>bring</sup> our coop be meaningful?

What do you want to do learn gain achieve

What are constraints?

What coops have to do?

assets

output: definition of roles

investors  
members  
2/1

board members

volunteer

journey

roles - coop  
- benefits  
- asks  
- experience  
- journey

nicah

**STRENGTHENING  
COMMUNITY ENERGY**

# Advancing inclusivity

Months of membership research, carried out in the community, supported by the Connect Fund – and with the help of both the Centre for Sustainable Technology and researchers from King’s College London – resulted in the release of our Participatory Toolkit for Inclusive Community Energy Co-operatives in 2024. The project team worked hard to reach out to people who wouldn’t normally engage with us, so that the toolkit could be as effective as possible.

The project reflects our commitment to widening the demographic reach of community energy co-ops, so that the largest possible number of people from diverse backgrounds can experience the benefits our projects create.

The toolkit is now available for download, and what we’ve learned is already being put into practice by our own co-op and project teams.



## Why change is needed:



The percentage of respondents identifying as 'white' in a Community Energy England (CEE) membership survey



The percentage of respondents aged over 50 in the CEE survey



The percentage of community share investors who are university graduates  
Source: Co-operatives UK



⤴ Employing Community Leads with deep local ties (like Nasri Ismael, pictured above) in the active co-design of projects is a powerful way to address the inequality of participation in community energy



## Peer learning

We're committed to empowering directors, volunteers, and co-op members by providing a variety of training, upskilling, and peer learning opportunities to drive engagement, strengthen co-ops, and develop leadership skills.

**Directors' Days are a chance to share best practice and connect**

## Key initiatives

- **Co-operative Learning Programme.** Members learned about solar energy, co-operative governance, financial management, and community energy business models.
- **Directors' Days.** Directors from across our co-op family met to discuss projects, share best practices, and connect with each other.
- **Peer Support Networks.** Featured monthly drop-in calls for Directors and the opportunity to join a WhatsApp group for real-time collaboration and support.

These initiatives are ensuring that our co-operatives are not just surviving but thriving, expanding their impact while staying deeply rooted in community values.



## Strategic mergers



In 2023-24 we also merged several South London co-operatives in order to strengthen financial resilience, create more efficient governance and operations and increase the capacity for engagement and growth.



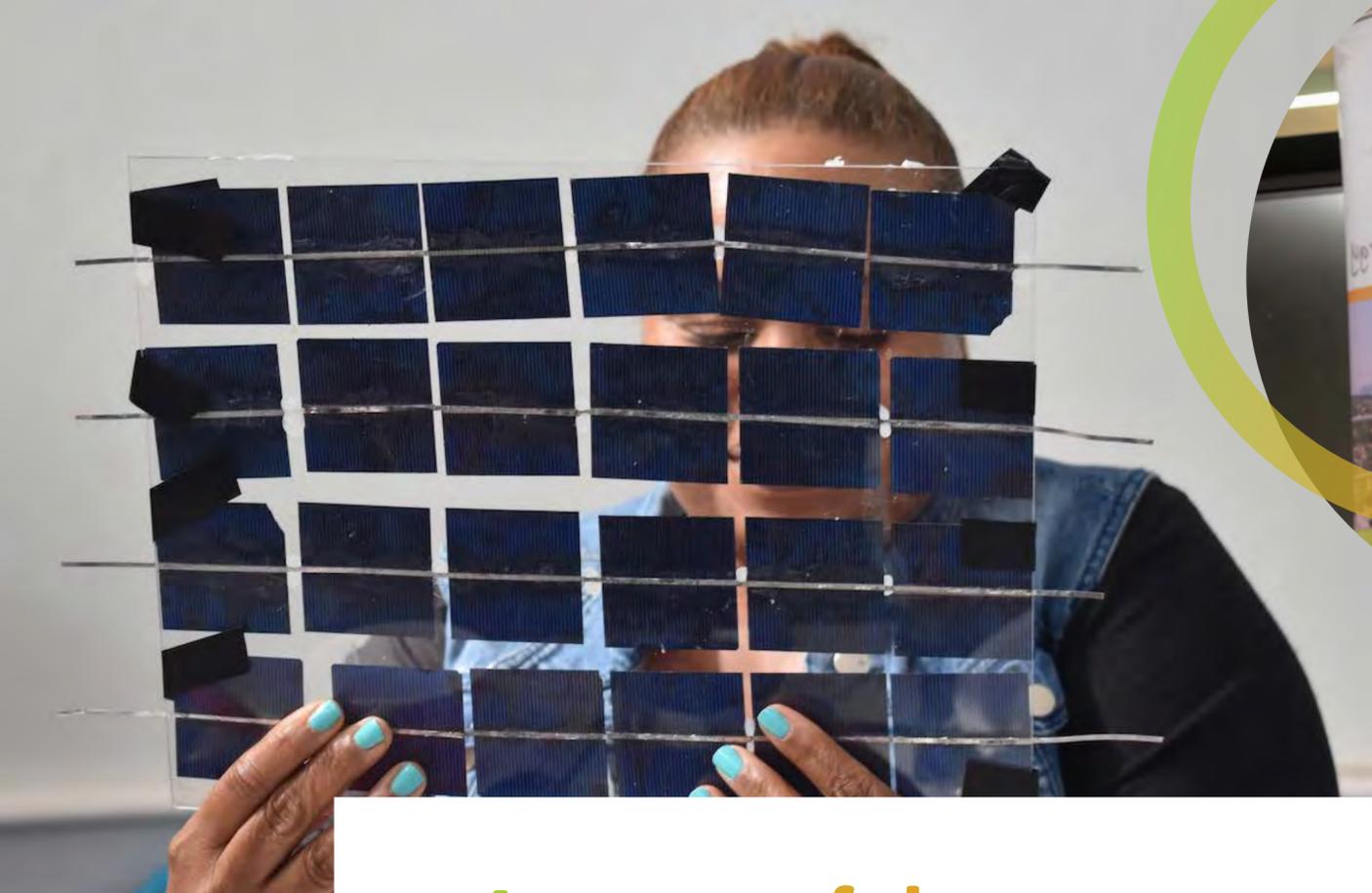
Vauxhall Energy is now part of Lambeth Community Solar



Brixton Energy 1, 2 and 3 are now one entity.

# COLLABORATION AND DEVELOPMENT: NEWHAM





⤴ A CEN Director addresses the co-op launch audience

Working with Repowering London has created a range of positive benefits for Newham as we seek to deliver a more equitable, fossil-fuel-free energy system. Repowering London meets the Council's ambition for more community energy in the Borough and is a trusted partner in delivering this crucial work.

Jacob Heitland, Director of Climate Action, London Borough of Newham

## Key achievements

- **Community engagement.** Activities like solar panel-making workshops and discussions on energy ownership help residents actively participate in the green energy transition.
- **Co-op created.** We supported local residents to establish Community Energy Newham (CEN), bringing community-owned energy to the borough.
- **Solar installed.** Repowering London completed its first installation in Newham on libraries and schools on behalf of CEN. CEN's total planned installations have the potential to generate 2MW of solar energy capacity – roughly equivalent to the power needed to run 620 London homes.
- **Skill building.** Installations included a work placement opportunity for a local resident.

## A successful partnership

⤴ A Newham resident enjoys learning how to assemble a solar panel

Repowering London and Community Energy Newham (CEN) have benefited from a strong partnership with the London Borough of Newham's Climate Action Team.

The team has provided crucial support, identifying solar installation sites and connecting Repowering London with local grassroots groups.

⤴ Celebrating new solar panels with our installation partner and work experience participant



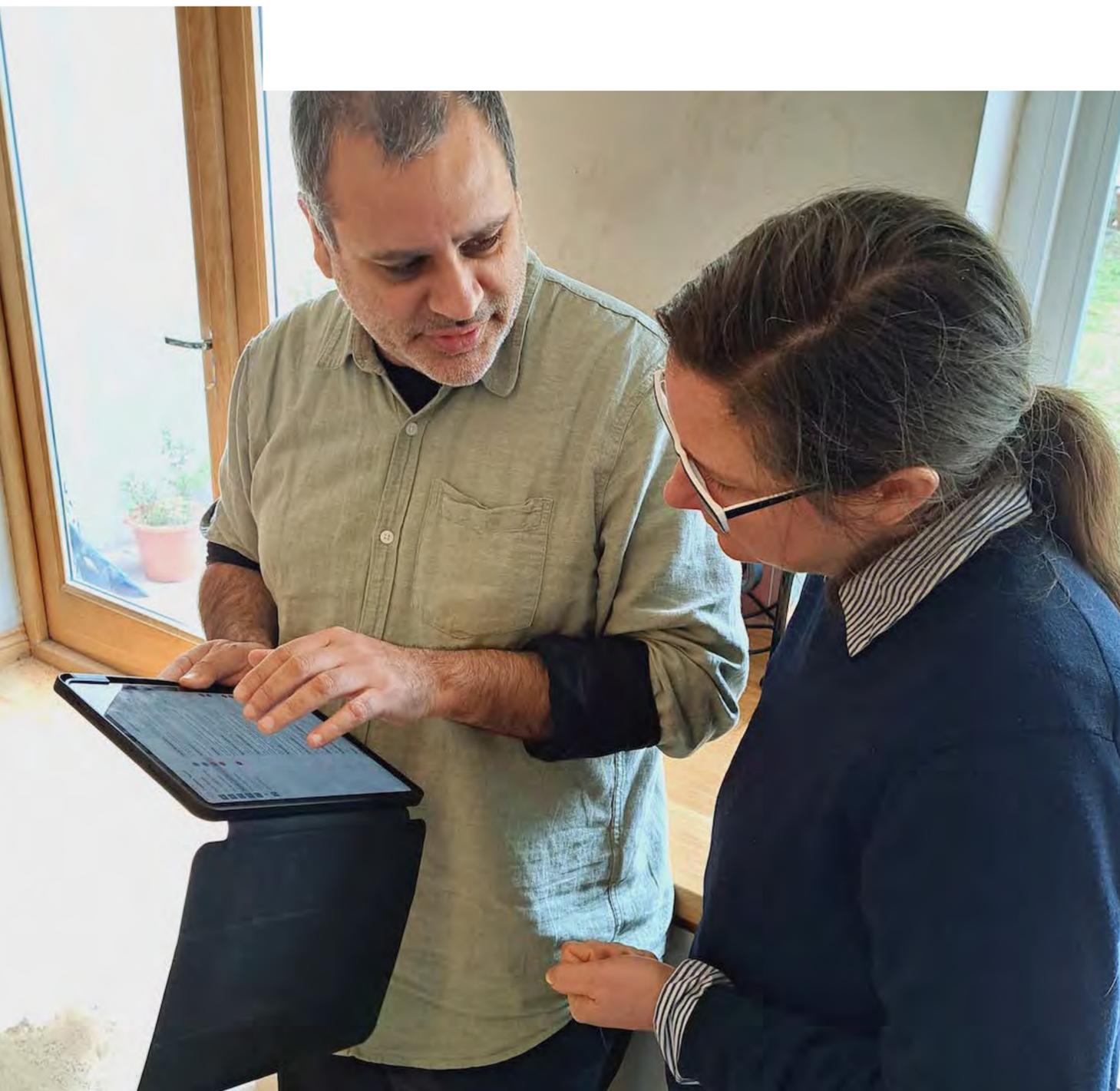
### Transferable learning gathered

Through this partnership, we've matured our model for a sustainable, local energy. We've **strengthened community engagement** in the energy transition and established a **replicable model** for other communities to follow.



**EXPLORING THE FUTURE  
OF URBAN ENERGY**

# Putting people at the heart of retrofit



We are moving the dial on retrofit – applying what we’ve learned from more than a decade of community engagement, co-design and financial modelling. We call this ‘community-powered retrofit’.

**Rather than on putting the onus for change on individuals, the focus is on collective mobilisation around improving communities.**

## Key aims

- **Individual to collective.** Rather than on putting the onus for change on individuals – who may not have the resources they need to take action – the focus is on improving communities through collective mobilisation.
- **Inputs not extraction.** The value of improvements, including financial and social gains, are kept in the community rather than providing profits for far-away corporations.
- **Personalisation prioritised.** People aren’t stuck with off-the-shelf solutions. Instead, the retrofit journey is centred around individual residents, their particular circumstances and needs.
- **It’s about outcomes.** Success isn’t measured by the number of installs and interventions made but on the positive impacts achieved for residents. These may include better resident health, reduced fuel costs, and support for communities often overlooked.





## Making homes fit for the future



Our 'Future Fit Homes' demonstrator project tested the idea that access to a trusted advisor was the missing component needed to encourage homeowners to make energy-efficient home improvements.

We gave homeowners in two London boroughs the opportunity to get free retrofit advice so that they better understood the options available to them, and pointed the way to any potential grant funding they might qualify for.

### Key achievements

- We developed a people-led approach to domestic retrofit from the ground up.
- We'll be able to build what we've learned into future projects and share our learning with others.
- We demonstrated that having support through the home assessment and installation process, coupled with advice on grant funding eligibility, gave homeowners greater confidence to take action.



Total enquiries from home owners

**210**

Referrals to contractors for suggested works

**13%**



*Residents got the hands-on support they needed to navigate their retrofit journey*

The Retrofit Assessor explained exactly what could be done to improve my home. I appreciated that they took the time to answer all my questions about the process. I've noticed a huge difference in my energy bills already – that makes a big difference when you're on a pension.

Jean, Future Fit Homes participant, Newham

# Overcoming barriers in blocks of flats



We explored how working in partnership with residents and landlords could deliver change in one of the most challenging areas for retrofit: blocks of flats.

## Key achievements

- Residents and landlords set goals together to guide retrofit planning.
- Residents were engaged with the retrofit process and received an individual, jargon-free Smart Plan for their home to make the process and benefits clear.
- The process helped landlords understand the technical interventions were feasible and appropriate.
- Delivered an early-stage roadmap for improving the energy-efficiency of the building, reducing its carbon emissions and making it more comfortable for residents.



*Residents at The High were co-designers of the retrofit service model*

Potential CO<sub>2</sub> saving per year/flat  
**1.25**  
tonnes



There's been genuine value in helping us steer our way in the management of the building ... it demonstrates that we are thinking about our long-term future.

Board member, The High, South London

# Addressing in-home health

The pilot of our groundbreaking **Home Monitoring for Wellbeing programme** ended in June 2024.

Funded by Impact on Urban Health, the project improved air quality and the indoor environment for low-income households on two social housing estates in Lambeth. It used **remote monitoring devices and participant engagement** to identify and address poor indoor air quality, enhance energy efficiency and affordability, and **empower participants** to overcome challenges affecting their health and wellbeing.

The project involved 16 participants and included interventions such as energy efficiency measures, high-efficiency particulate air filtration, and support for energy debt and related issues.



Participants learned about the causes and effects of common household pollution and were helped to address hazards with interventions like air purifiers and alternatives to gas cookers



It has opened my eyes to the amount of pollution we are exposed to on a daily basis and how we can make small changes for the better.

Participant, Home Monitoring for Wellbeing, Lambeth

## Key impacts

- Participants with pre-existing health conditions reported a decrease in symptoms following interventions. Many indicated improvements in overall comfort.
- Participants who received energy advice and debt management support reported a reduction in stress levels.
- Participants demonstrated increased knowledge and awareness of indoor air quality, its risks and energy usage.
- One participant went on to advocate for broader energy efficiency improvements at their estate.

# LOOKING FORWARD: THE REPOWERED COMMUNITY

**COMMUNITY  
IS  
KINDNESS.**

BE KIND. LET'S LOOK OUT FOR ONE ANOTHER.



## Roupell Park: key impacts

# Meet the Repowered Community

CO<sub>2</sub> emissions avoided to date  
**160** tonnes

Residents save  
**25%** on their energy bills

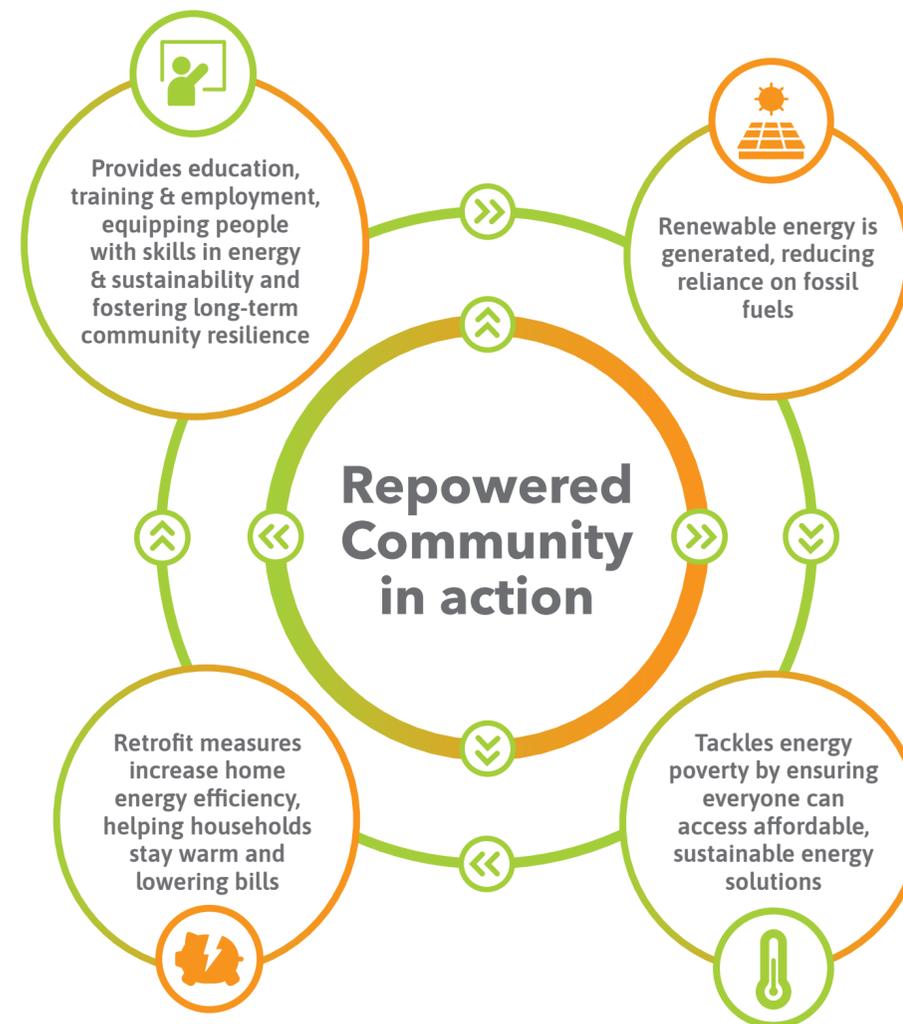
Profits shared with the community  
Wide range of benefits reach those who need them most

We have developed a community-led energy services model, delivering long-term local services and benefits. We call this the 'Repowered Community'. Our model generates a positive feedback cycle which can operate continuously to compound the value.

**Why it is necessary**  
We are missing our net zero targets. There are not enough fundable, self-sustaining routes for cutting carbon emissions – and the ones that exist do not allow people to take decisions that will affect their futures and those of their communities.

**Local profits for local people**  
The Repowered Community approach diverts bill-payers' money away from major energy companies and their shareholders. The local economy benefits from increased employment opportunities and bill reductions for those who need it most. Meanwhile, some of the profits from local energy sales are spent on educating and training the future green workforce. This virtuous circle builds long-lasting and sustainable benefits. It also allows for new offers to come online, for instance local events that build energy knowledge and empowerment.

The Repowered Community framework is designed to be scalable and adaptable, delivering an empowered community and other benefits



## Piloting the principles: Roupell Park

Our Energy Local project in Roupell Park, South London, demonstrates how putting our model into practice can bring immediate value.

In 2013, we supported a group of residents to install solar power across several social housing blocks.

As part of the programme, local young people were trained in community development and installed the solar panels.

The electricity powered lifts and lights, and profits from its sale supported a range of local initiatives chosen by residents through a ring-fenced community fund.

Since 2021, participating residents in Energy Local Roupell Park (ELRP) have been able to buy the solar power generated on the Roupell Park roofs at 17% of market rate – saving people 25% on their annual energy bills.

See key Impacts from this project at the left of this page.



# Scaling the Repowered Community model

⤴ Newham has been the site of fruitful co-operation between Repowering London and the local Council, including support from Newham's Mayor (above front, fourth from left)

We believe that developing community energy projects that follow the Repowered Community model, benefit from low-cost finance, and follow a standard set of governance principles, will deliver a new energy model for local communities that has multiple and wide-ranging impacts.

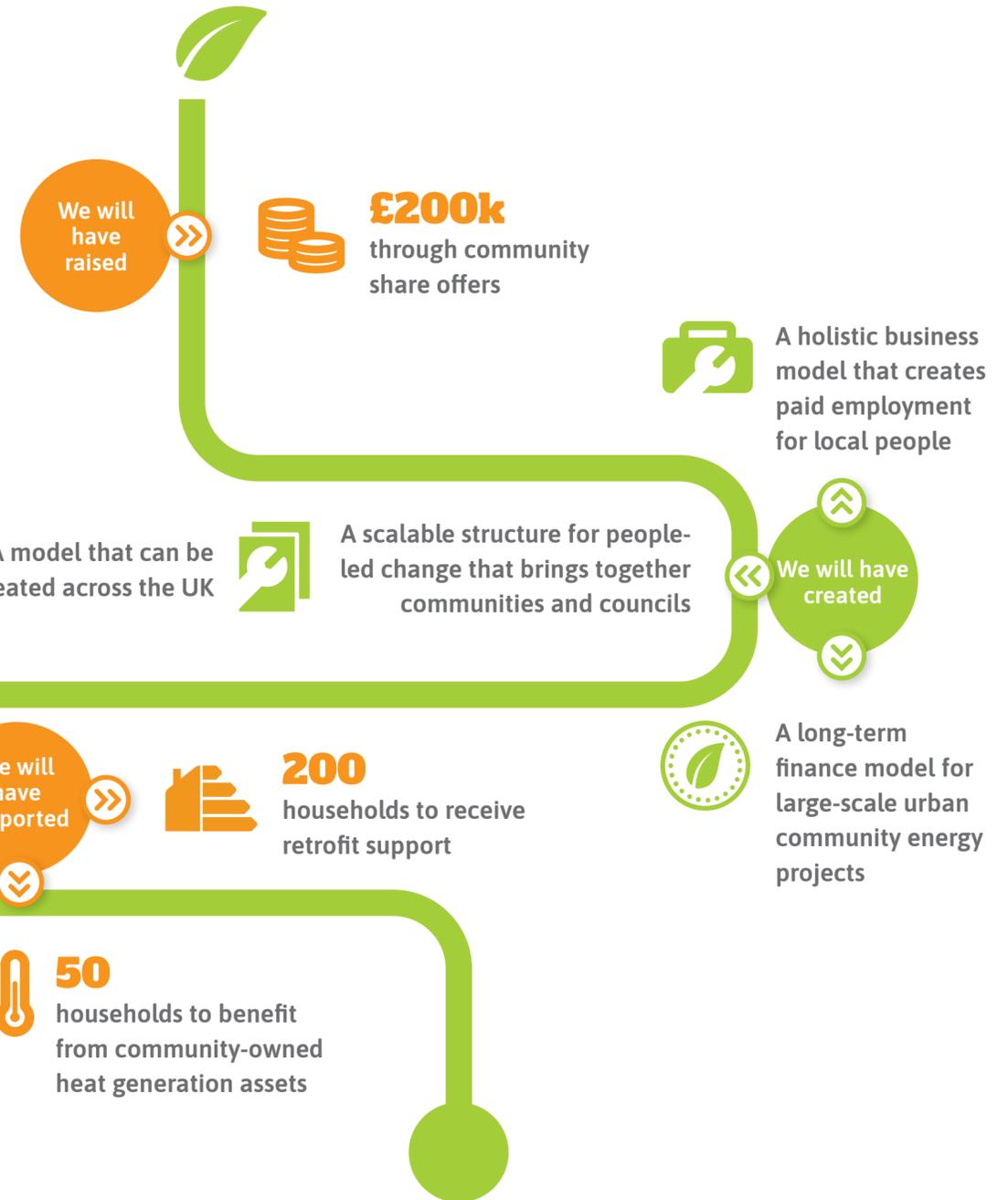
Repowering London has secured a National Lottery Climate Action Fund grant for a five-year programme (2025–2030) to demonstrate the Repowered Community model in Newham.

This funding will enable us to establish a Repowered Community in Newham, showcasing how our holistic, community-led, cooperative model can provide affordable, clean energy while addressing social and environmental challenges.

Supported by



## 5 years forward - outputs for Newham





## Glasgow Community Energy pilot

The toolkit will be piloted by Glasgow Community Energy, allowing us to refine it before rolling it out nationwide. This ensures that co-ops, community groups, and local authorities across the UK can adapt the model to suit their needs, expanding the impact of inclusive community energy services.

By demonstrating this model in Newham and equipping other groups with the tools to implement it, we aim to drive a national movement towards locally owned, equitable, and sustainable energy solutions.



## Delivering a national toolkit

Community Energy Newham members, supporters and partners, on the roof of Stratford Library

A key outcome of this programme is the development of a Repowered Community Toolkit, designed to support other communities across the UK in replicating this model.

### Key aims

- **Provide a structured approach** to implementing locally led energy solutions.
- **Share best practices** from our experience in Newham.
- **Give practical guidance** on funding, governance, and technical implementation.

## Our project partners



London Borough of Newham will provide access to sites, input to business models and support outreach to residents



Dark Matter Laboratories will lead the system design process that will determine a governance structure for developing locally led low carbon infrastructure projects.



London South Bank University is leading development of the community heat project and will provide input into the technical toolkits.



Community Energy Newham will support community engagement and co-design, and test and review the toolkit.

# OUR 2023-2024 FUNDERS





## Thank you for your interest in Repowering London

If you would like to learn more about any of the work illustrated on these pages, or would like to discuss how you or your organisation can work with Repowering London to achieve our mission, please get in touch.

Email: [info@repowering.org.uk](mailto:info@repowering.org.uk)

