

Creating Local Energy



Dr Afsheen Kabir Rashid MBE

March 2020



Why community energy?

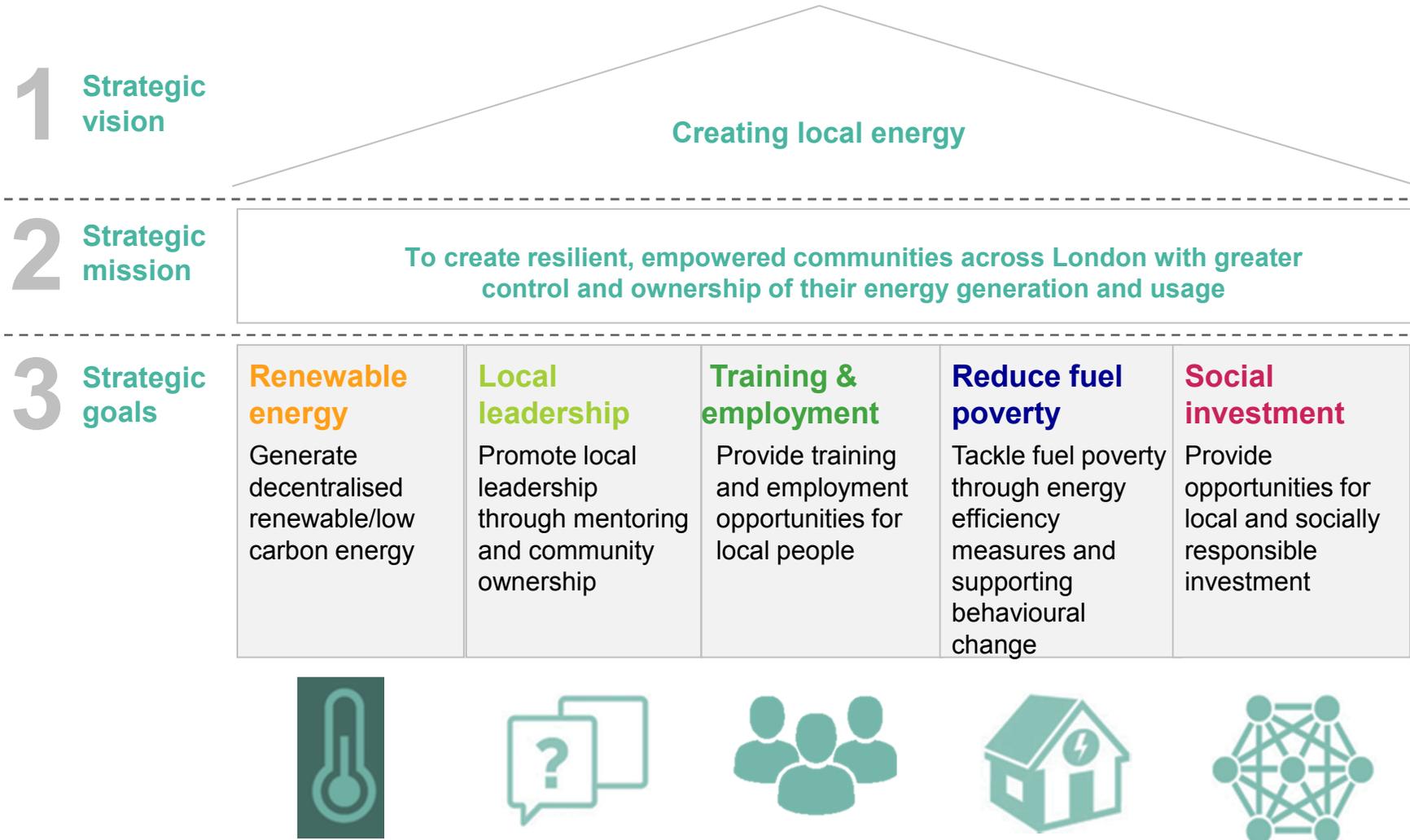
Community energy puts people at the heart of the energy system





How Repowering delivers community energy

Repowering has a clearly defined vision and mission statement underpinned by strategic goals and associated targets

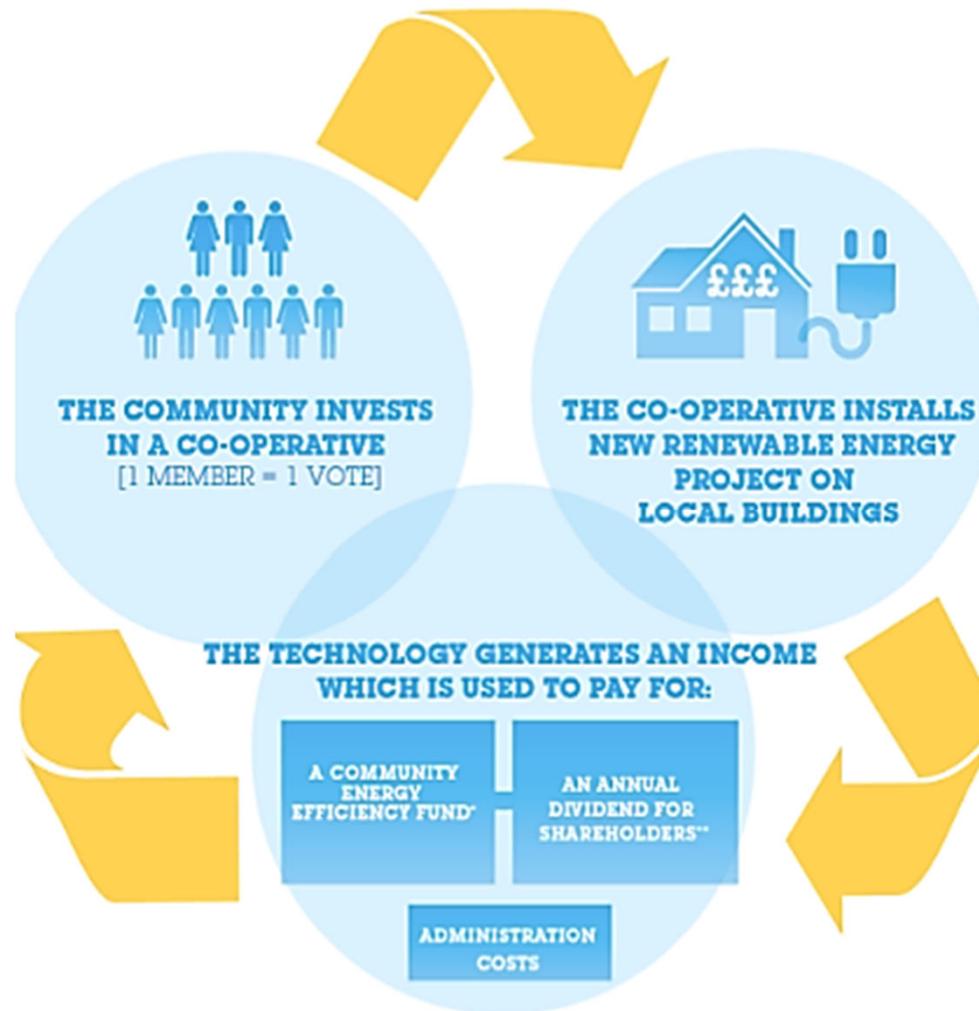




Governance

Community Benefit Societies Model

- **Core principles** – community owned, control and benefit
- **Democratic** - one member one vote
- **Inclusive** – local residents can join with a nominal £1 membership fee.
- **Community shares** – offer local green investment





Community Engagement

Asking what people want

Community Engagement

- Existing networks
- Door knocking
- Energy surveys
- Events

Co-production

- Mentoring sessions
- Monthly public meetings
- Energy efficiency workshops

Training

- 30 week internship
- Energy efficiency training
- Paid work experience



Repowering Youth Training Programme

started in Brixton with Kevin

Flagship youth training programme is a paid, AQA accredited scheme covering sustainable energy, social enterprise and community development

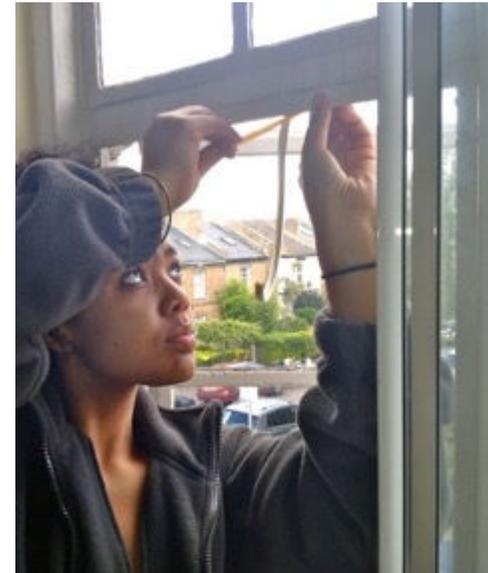
Aimed at 16-25 year olds who lack adequate opportunities and role models, who may feel alienated from greater society, disengaged with education and uncertain of the future

A 40 hour programme which support trainees to build confidence, develop employable skills and enhance their networks in a growing sector, with 26 hours of training and 14 hours of work experience



Addressing Fuel Poverty

We run one to one advice sessions to practical measures fitted in homes
Engaged 2,000 local residents and helped save £15,000 on energy bills



Community movement building
North Kensington Community Energy volunteers at Greener Living Day



Our investors

Most of our investors live locally

Raised £600,000 through community shares, 459 unique members



-  Brixton Energy 1 Investor
-  Brixton Energy 2 Investor
-  Brixton Energy 3 Investor
-  Banister House Investor
-  Banister House Resident Investor



Our impact

Repowering London has delivered significant social, economic and environmental impacts across the communities it works with



670 kW

of installed rooftop solar capacity



£710,000

Shares and debt invested into the community



~84 young people

trained and received paid work experience



144 tonnes

of CO₂ emissions avoided each year



£196,000

Community Fund ringfenced for the local area

“ They have done a great job in engaging communities and have **remarkable local impact**. ”

“ Repowering are **well-known in the industry** and have backing from big organisations. ”

“ The brand of Repowering is strong in London and they are seen as **a powerful voice** and can influence the policymakers. ”

“ **It was a life-changing experience**. It opened up a world of possibility. Repowering has given me confidence and given me a chance to prove yourself. ”

The rooftop solar business model

Post FIT business models rely on high onsite usage, high yield, low cost of install, blended capital finance of donations and community shares



Key Assumptions / requirements

1. Yield: 840 kWh
2. Install cost: £700-£900 kWp
3. Sale price for electricity: 11p
4. Export: 5p
5. Onsite usage: 85% - 90%
6. Carbon offset: 30-40% of capital
7. Community Fund: 20% of capital



Local electricity supply innovation trials

Our aim is to give residents a fair share of the energy produced by solar installations and reduce their energy bills

Residents are projected to save 10-20% on their electricity costs

Income to the community cooperative that owns the solar generation will also increase

Legacy=

A viable model for community energy in multi occupancy buildings

Rewiring the relationship between energy producers and consumers

Sustainable pathway for low carbon generation in urban areas





Our achievements

Repowering London has significant influence in both the energy sector and policy arenas, and our work has consistently been celebrated over the years.

Market leader

Repowering is a pioneer in the community energy market. We were the first to establish:

- Inner-city community owned solar power station
- Community energy scheme on social housing
- Investments using local currency – Brixton Pound
- Local electricity supply trials approved through Ofgem regulatory sandbox

Policy leader

Repowering plays a critical role in shaping the policy development of the community energy sector. We play a leading role in the following groups:

- Local Energy Contact Group
- Community Energy England
- Community Energy London

Awards

2012



INSIDEHOUSING

2013



2015



Community Energy Awards

2016



2018





Thanks for your time

