



Community Energy for Energy Solidarity (CEES)

Sharing tools for fighting fuel poverty



CEES has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101026972.



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ENERGY SOLIDARITY



Repowering London is a not-for-profit community energy development organisation that puts people at the heart of the energy system.

We empower communities to plan, fund and build their low-carbon future.



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Context: Repowering London's Wider Work

- Supporting **10 local solar coops** across London, with core work on fuel poverty focused in Lambeth
- 650+ **member investors** across our London co-operatives
- Work with locally rooted **Community Champions** to lead community engagement with local audiences



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Our fuel poverty toolkit

- **Training** on energy efficiency measures, rights, and support for households facing fuel poverty:
 - “Warm and Well” workshops
 - Workshops with local library staff on how to install draught-proofing measures
- **Co-creating and sharing resources within local networks:**
 - Local Community Leads
 - Frontline workers
 - Local partners organisations



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Our fuel poverty toolkit

- **Using renewable energy to provide affordable electricity:**
 - Installing solar PV on blocks of flats
 - Using local electricity supply models to allow residents to benefit from cheaper tariffs
- **Upgrading building fabric and heating systems:**
 - **Improving ventilation and insulation**
 - **Converting fossil fuelled heating to heat pumps and making electric storage heating 'smart'**



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Our fuel poverty toolkit

- **Advocating and influencing:**
 - Creating opportunities for people with lived experience of fuel poverty to directly engage with key stakeholders such as Ofgem
 - Participating in working groups on energy regulation and consumer protection
 - Ensuring retrofit standards (such as PAS2035) are appropriate for blocks of flats
 - Making sure ECO4 funding delivers intended outcomes and installers are held to account



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Making solar work for fuel poor households. Step 1: get it on the roof



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Making solar work for fuel poor households. Step 2: Set up a local tariff

FAO:

Brixton Energy Solar 3
Repowering London
SW2 2RN

Date: 22nd June 2022

Site: Solar

MPAN:

Invoice Period: 1st May - 31st May 2022

From:

Octopus Energy

1 Upper St James Street

Soho

London

W1F 3DE

industry payables@octopus.energy

TOTAL GENERATION IN THIS PERIOD: 2.21 mWh

Item	Unit Rate £/MWh	Generation in Period	Subtotal	Total
Spilled Generation	£115.72	1.57 mWh	£181.68	
Matched Generation	£60.00	0.64 mWh	£38.40	
Total Power Generation £				£220.08



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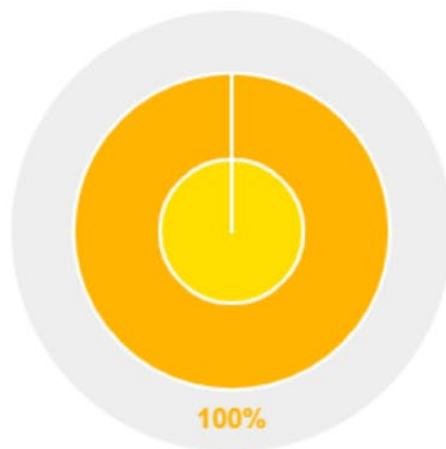
Making solar work for fuel poor households. Step 3: Show the savings



This means that 21% of your electricity came from solar

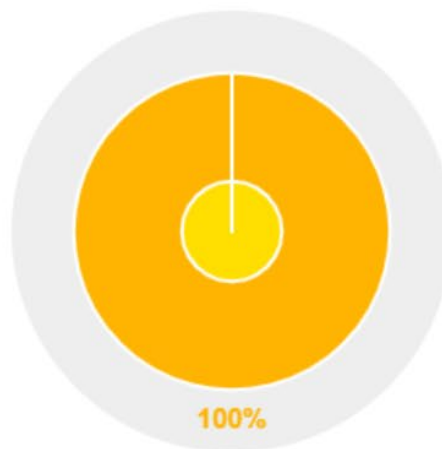
ELECTRICITY

819.77 kWh



COST

£101.28



SAVING

£13.49



Solar

168.61 kWh @6.00 p/kWh
Costing £10.12



Standard

651.16 kWh @14.0 p/kWh
Costing £91.16

Average Price:

12.4 p/kWh



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CEES pilot activities

- **Fundraising:**

- Inspired by partners Les Amis d'Enercoop and their Energie Solidaire scheme, exploring new approaches to small scale fundraising

- **Evaluation:**

- Evaluating the impacts of remote energy and indoor air quality **monitoring, explanatory reports,** and associated **interventions** made through a Home Monitoring for Wellbeing innovation pilot



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Challenges and Reflections

- The scale of the energy crisis requires fundamentally different approaches to how fuel poverty support services are funded
- We need affordable social tariffs for vulnerable households, as well as easier access to local tariffs for locally generated renewable electricity



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Thank you !



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