



Preston Park Community Solar Programme

February – May 2025

Kayla Ente, Founder/CEO



BHESCO

Clean Energy for People, Not for Profit

BHESCo is a social enterprise



465 investors



63 community
energy projects
completed



451+ tonnes
CO₂ saved
annually



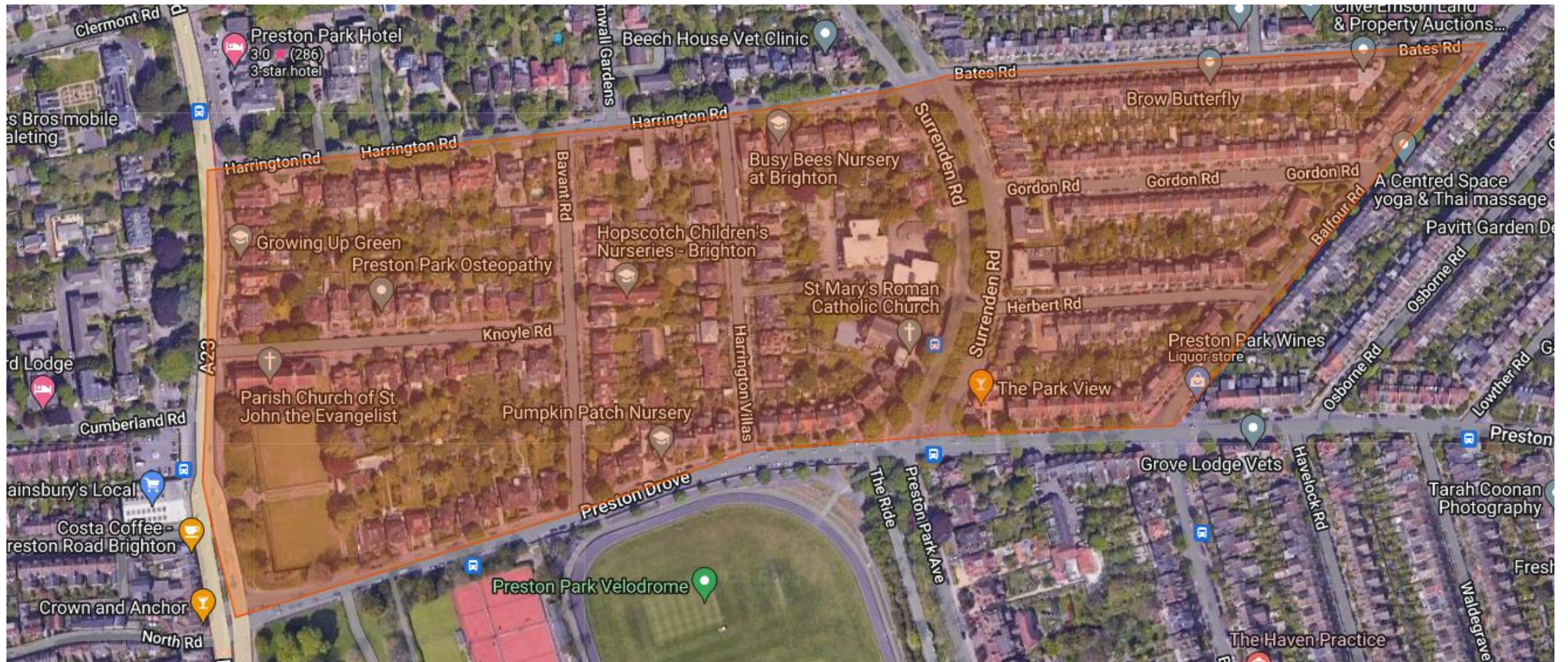
£1.95 million
investment
raised

How community solar works

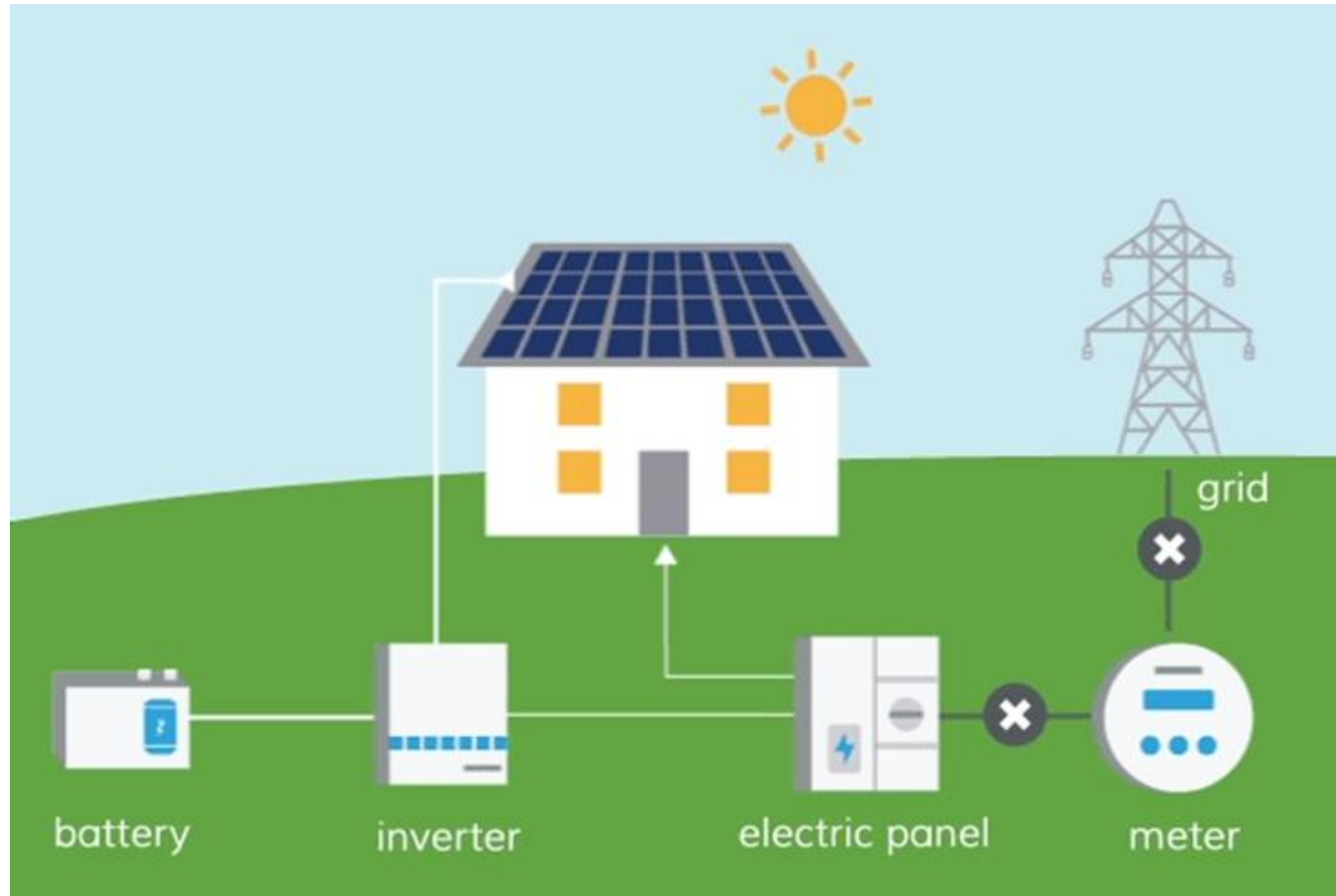
- No upfront cost for most systems
- Optimally designed solar PV and battery storage
- Use solar electricity
- Pay BHESCo for the electricity generated
- Retain the right to the electricity exported
- All equipment maintenance including replacements
- Connected to local power grid
- Benefit from collective buying, including flexibility/ grid management



What streets are included?



The system



battery and inverter



The system



4kW solar PV



Solar inverter



Solar inverter & battery

Case Study – The Montessori Place, Framfield, East Sussex

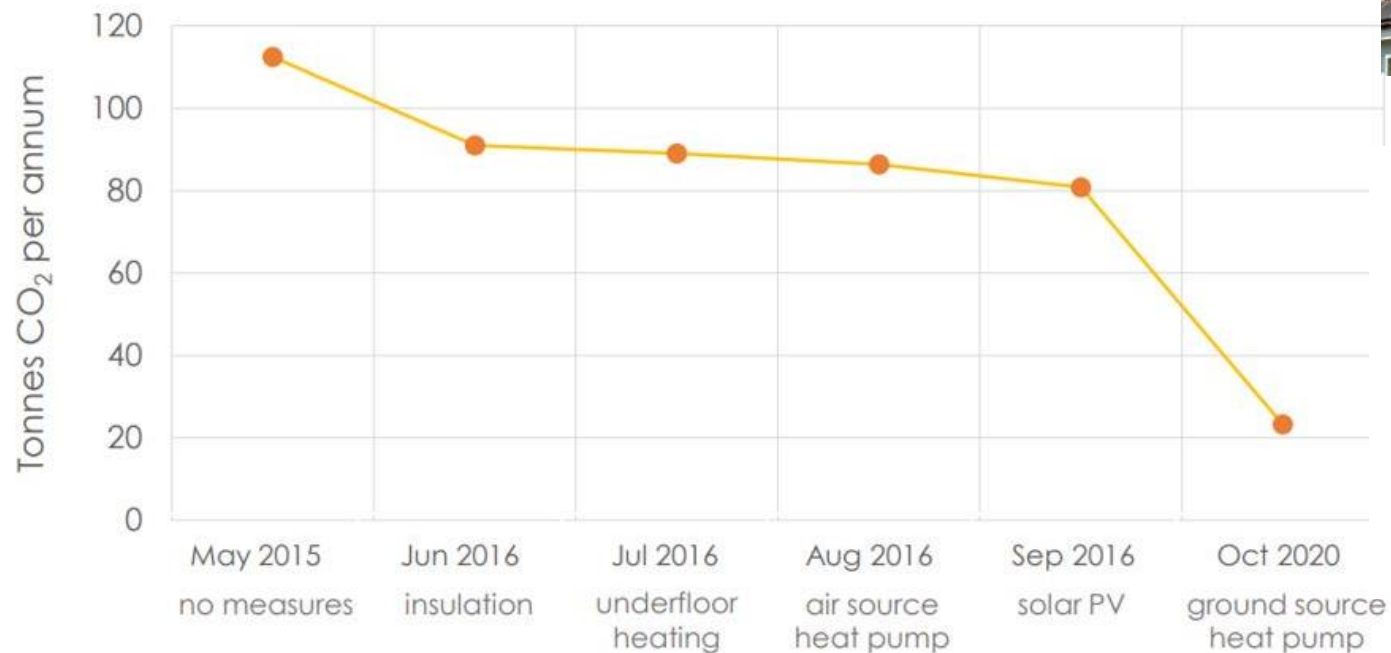
BHESCo were engaged to design an affordable low-carbon energy system for this large, poorly insulated 19th Century property that was not connected to mains gas.

As part of this a 105-panel roof-mounted solar photovoltaic (PV) array was installed on two of the buildings.



Summary of BHESCo

- 27 kW solar PV
- 300mm loft insulation
- 7kW air source heat pump
- 38 efficient radiators
- 87kW ground source heat pump
- 13 boreholes (120m deep)
- Underfloor heating
- 106 LED lamps



Benefits of participating

- **Clean solar energy** worth about £8,000.
- Solar PV = increased to EPC = higher property value
- Community project with trusted installers
- **BHESCo management** for security and support
- **Less hassle** - BHESCo handles **maintenance**, monitors performance, sends trusted engineers to troubleshoot.
- Same equipment as your neighbours so **shared understanding** of best tariffs etc
- BHESCo will **replace inverter** and other equipment if it fails over time for no cost
- Establishing potential for receiving benefits from **future local grid** as technology evolves
- Predictability of costs – no surprise payments to fix things down the line

Example Home

3,384 kWh - current electricity usage per year
23.9p/kWh – current electricity price

2,267 kWh - electricity generated by solar array per year:

1,244 kWh solar electricity used – 54%
1,023 kWh solar electricity exported – 46%

BHESCo's electricity price - 22.71p/kWh – 5% discount
No standing charge from BHESCo

Breakeven in year 7

Assumes annual electricity price increases of 5%

Year	Savings
1	-£105
2	-£91
3	-£75
4	-£59
5	-£41
6	-£22
7	-£1
8	£21
9	£44
10	£70
11	£97
12	£126
13	£157
14	£190
15	£225
16	£262
17	£302
18	£345
19	£390
20	£438
21	£490
22	£544
23	£602
24	£663
25	£728

Costs & Savings

- **The more electricity you use the greater savings**, if you use 83% of the solar you will break even in year 1
- Switching to electric heating or EVs would also make this more economical and induce earlier and greater savings.
- Everyone get the same solar electricity tariff
- Houses with the most expensive systems may pay a small upfront costs (£300-£500)
- After 25 years you own the array and pay nothing more to BHESCo, all the electricity it generates is free.

Scheme details

A minimum of 100kW of solar power is needed to proceed - about 25 participants.

Maximum coverage to make this the biggest community solar programme in the UK!

- Before installation, a quick in-person survey will need to be done of your house (no cost)
- Installation is expected for May – June 2025 to maximize energy from the summer sun.
- Installation only takes a couple of days.



Register your interest



bhesco.co.uk/ppce

QUESTIONS?



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