

CASE STUDY: The Montessori Place School, Framfield

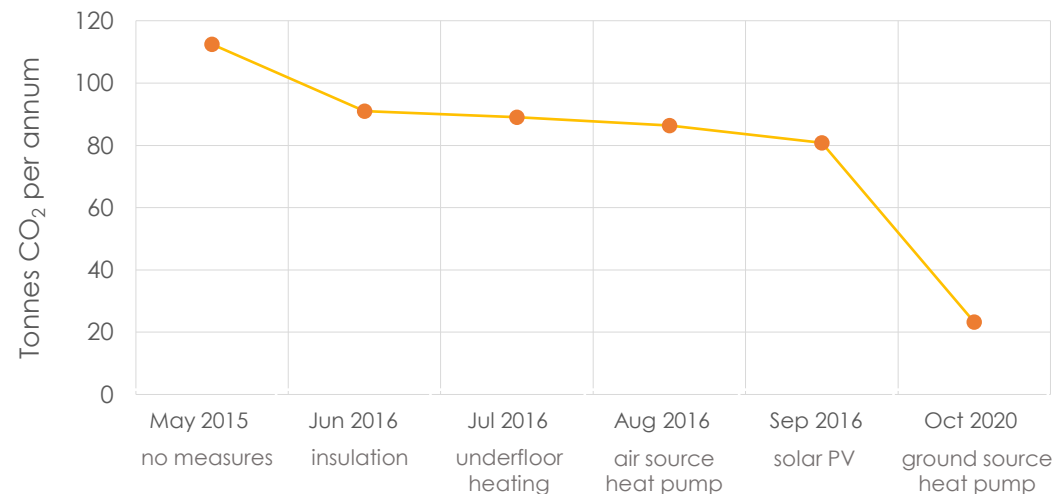
In 2016 the Montessori Place purchased a site for a new school in the Sussex countryside. BHESCo were engaged to design an affordable low-carbon energy system for this large, poorly insulated 19th Century property that was not connected to mains gas.

The design proposed by BHESCo incorporated a range of energy saving and energy generating technologies that work in synergy to deliver the most cost-effective and environmentally sustainable solution over time. Combined, our energy interventions will reduce annual carbon emissions from 113 tonnes per year to 23 tonnes per year (79% decrease).

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



Average Annual Savings



Celebrating Ten Years of Brighton & Hove Energy Services Co-operative (BHESCo)



It is incredible that ten years have passed since BHESCo's launch party in Brighton. BHESCo is the culmination of my life's work. Starting the business was a leap of faith that developing a diverse portfolio of community owned energy projects through a Pay As You Save model could be successful. It's been a challenging road to make my dream come true. It is a privilege to collaborate with our amazing team who have achieved so much in our first ten years of trading. From helping to drive down energy costs for businesses to tackling fuel poverty and reducing carbon emissions, BHESCo's collective impact has been far greater than the sum of our parts.

Having firmly established the co-operative as one of the leading community energy groups in the UK, our next goal is to grow the business and extend our reach beyond Sussex. We are partnering with Local Authorities to develop Local Area Energy Plans that will serve as a route map for the decarbonisation of entire communities. I want to thank everyone who has become a member, an investor, a volunteer, a partner, or a supporter in any way - it is only by working together that we can create real change. Our success lies in directing that change to secure our future wellbeing.

Kayla Ente MBE, Founder & CEO

BHESCo's IMPACT

£1.5m

Funds raised

58

Energy projects completed

402

Shareholder members

1,190

Energy surveys completed

7,427

Lifetime CO₂ savings (tonnes) from all projects

£2m

Lifetime savings from all projects

What are people saying about BHESCo?



"BHESCo is an amazing organisation helping our community secure lower bills and helping Brighton and Hove reduce its carbon footprint".

Phelim MacCafferty, Brighton & Hove City Council Leader



"Kayla and her team do a fantastic job in helping the transition to a low carbon community".

Dougal Fleming, Project Customer



"BHESCo do wonderful, innovative work that delivers actual progress on the ground. Problem solving is BHESCo's forte!"

Brenda Boardman, Emeritus Research Fellow, University of Oxford

BHESCo's pioneering Energy Saving Service

Our Energy Saving Service launched in 2016 to support people with reducing their energy consumption, recognising that the cheapest energy is the energy we don't use. Our bespoke service is designed to quickly identify where a building is wasting heat and power, then to recommend the most cost-effective solutions to remedy any problems. The service is designed to support customers through the entire carbon emission reduction journey.

Our Energy Saving Team have completed almost 1,200 surveys throughout Sussex and Kent, receiving multiple awards and accolades for their dedication, professionalism, and expertise.



Tackling fuel poverty in Brighton & Hove



Brighton and Hove is known as an affluent city which attracts 11 million tourists each year to its museums, festivals, and beaches. Less renowned is the high level of deprivation in the city with an estimated 16,000 households unable to adequately heat and power their homes. BHESCo works tirelessly to support those most at risk, providing free energy advice at food banks and community centres throughout the city. Since 2015 BHESCo has been a local energy champion as part of the 'Big Energy Saving Network', and in that time has advised 3,110 residents, helping achieve estimated savings of £249,060.

Awards and Commendations

- ★ 2021 Kayla Ente receives MBE in Queens Honours List
- ★ 2019 Winner of Regen Community Energy Initiative Award
- ★ 2019 Winner of Community Energy England Carbon Saving Award
- ★ 2019 Winner of NEA Heat Hero Award
- ★ 2018 Winner of Brighton and Hove Business Awards Green Business of the Year
- ★ 2016 Winner of Community Energy England Energy Saving Award