Dudley Infant School

Community Energy Horsham in collaboration with Energise South

Key Facts

30 panels

10.05 kW capacity

11,059 kWh output per year

*based on UK grid intensity of 220gmsCO2\kWh

2,433 kg CO2 saved per annum* or **power for 4 houses** for a year

£658 school saves per year

£23,991 school saves over 25 years

Dudley is one of 5 Brighton University Academy Trust schools in Hastings partnering with us to reduce costs and carbon. The school is in a conservation area of Hastings old town and would have had over 20 kW of solar installed but the planning inspectors asked us not to install solar on the roof that was visible from the street. This was disappointing but we complied with the request.

To comply with the planning stipulations we even removed one of the panels that might have been visible from the road.

Nevertheless this array has performed as well as was expected in spite of 2021 being a poor solar year.

It will make savings of £23,991 over 25 years and save 60824 kgs of carbon.

The solar energy would be enough to power 92 houses for a year.

These estimates are based on our assumptions that the RPI will be 3% (it is currently over 4%) and the schools are making a saving of 50% on the grid price of electricity i.e. they are paying the co-op 8 pence per kWh for electricity and the supplier price is 16.5 pence.

Contact

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Innovation Centre

Community Energy Horsham in collaboration with Energise South

Key Facts

263 panels

75.11 kW capacity

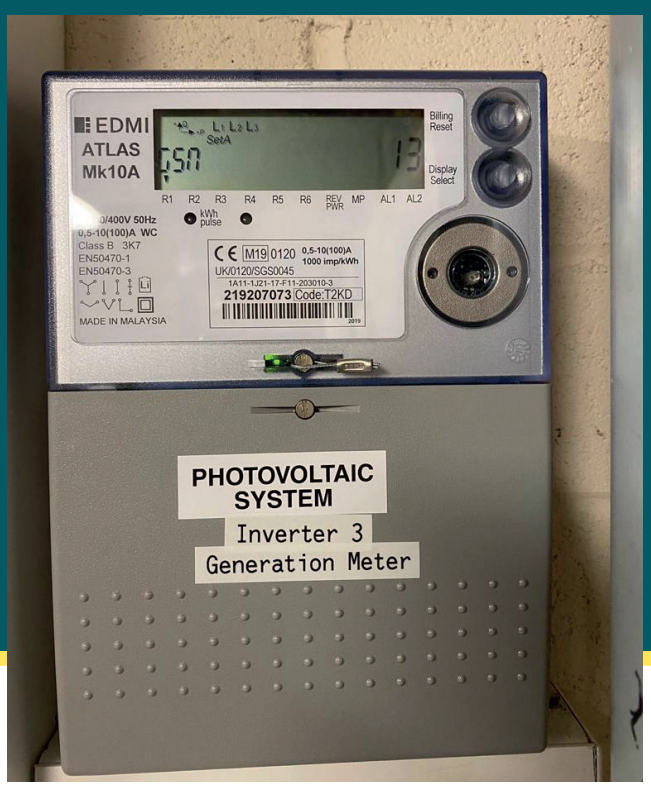
72,857 kWh output per year

*based on UK grid intensity of 220gmsCO2\kWh

16,028 kg CO2 saved per annum* or **power for 24 houses** for a year

£4,335 centre saves per year

£158,051 centre saves over 25 years



The Innovation Centre is a large commercial unit on the Churchfields Estate in Hastings, managed by Sea Change for multiple business tenants. These panels have performed exceptionally well and are currently operating at 114% of their projected capacity in spite of 2021 being a poor solar year.

In some sunny months they were producing 135% of their expected output.

The two arrays at the Innovation Centre have been the best performing to date.

They generate enough power for 24 homes a year, or 607 homes across the full license period.

We estimate the savings as £158,051 over 25 years and the carbon savings as 400,713 kgs.

There are many similar commercial roofs in the industrial estates of Hastings and other seaside towns. Covid and the consequences of Brexit have made many businesses apprehensive about their long term futures and we believe that in a stable economy more businesses would have been willing to take up the solar offer.

In circumstances such as these we are exploring shorter renewable contracts for sites where the tenants may change.

Contact

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Christ Church Hall

Community Energy Horsham in collaboration with Energise South

Key Facts

24 panels

7.54 kW capacity

7,534 kWh output per year

*based on UK grid intensity of 220gmsCO2\kWh

1,657 kg CO2 saved per annum* or **power for 3 houses** for a year

£448 hall saves per year

£16,344 hall saves over 25 years

Christ Church Hall is a popular and much used nursery and community centre in Ore Village in North East Hastings. As it was next to a Grade 2 listed church the planning consent required letters of support from the community and was eventually secured with the help of the parish and the planning committee. Many more church buildings could benefit from solar panels.

Contact

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Pigeons have proved a trouble with this array and the co-op installed pigeon proof materials at its own expense, an advantage of the contract which means the church has no maintenance or capital costs to pay.

The church hall will save £448 a year and £16,344 over 25 years.

The energy generated is sufficient to power 3 homes a year or 63 homes in total and save 41,437 kgs of carbon over 25 years.

The church parishioners wanted the panels as a showcase for the community and to help tackle the high levels of fuel poverty in the neighbourhood.