

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.

Contact

Community Energy Horsham

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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.