

CAN PROJECT

Solar & Community Energy Tariffs

Model 1 – Community share owned Generation

The standard model is to establish a community benefit energy co-op that issues shares to community investors. The energy co-op leases roof space, uses share capital to install solar PV at no cost to the site owner, keeps the tariff and grid price income, sells the solar electricity to the site at a reduced rate (and may offer a share of net profits).

The site owner bears no costs for the installation but is encouraged to be a member of the co-op and co-invest.



Example:

Schools Energy Co-op – Solar PV on Glenleigh Park Academy primary school, Bexhill

Glenleigh Park Academy, one of 26 school solar roof projects completed since 2015. The school has 600 panels (150 kWp) making it the largest solar array on a primary school in the UK. The school uses around 80% of the solar electricity generated and is likely to make very substantial savings on its energy costs (£ 150,000 over 20 years). It received its first dividend (profit share) in 2016 for £ 950.

Wey Valley Solar School co-op installed solar PV on a Hastings school owned by the Church of England Diocese of Chichester. Christ Church C of E Primary school in St Leonards is one of 153 Church schools in Sussex and is in the most deprived neighbourhood.

CAN Activity

ESC has been instrumental in both these installations and Richard Watson is on the board of Directors of the Schools Energy Co-op

ESC has helped to set up a new Community Benefit co-op to install solar PV on other community buildings through community shares

ESC has launched a 1066 energy campaign to encourage 1066 solar roofs in the region

ESC has had an offer accepted by the Hastings and St Leonards Academy group to install solar on its 15 schools.

Other local sites including church buildings, community centres and colleges are willing to be solar sites.

Model 1 A

Community Generation linked to energy supplier tariff

Market innovation : Co-op Energy User Chooser scheme

Co—op Energy buy the grid electricity from Glenleigh Park Academy school through a power purchase agreement (PPA)

Customers of co-op energy can support community energy projects by their choice of

tariffs. The User Chooser tariff allows a consumer anywhere in the UK to choose their energy mix from a map of renewable generation sites. This map includes the school.

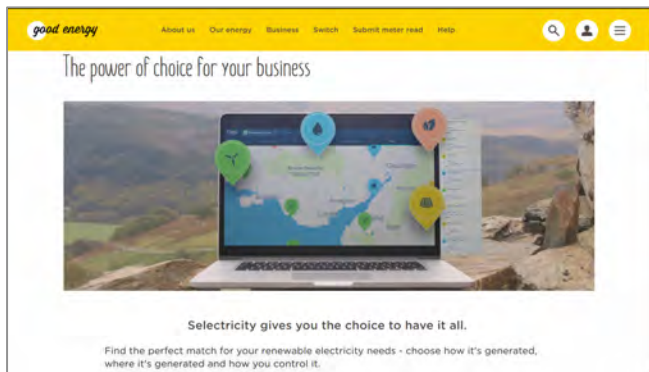
Note that this is a virtual “choice”. The map currently shows 0 homes using the solar generation virtually. We assume this is because the school is using most of the energy itself.



Model 1 B



Ecotricity have a number of offers on the table for partnership in smart meter roll out, white label tariffs and behaviour change engagement (see next schematic)



Good Energy allow businesses to buy electricity from community energy organisations via their *selectricity* scheme. Brixton energy co-op sell their solar power to the Eden project which is 500 miles away. Good Energy will also offer local residents within 2 km of one of their generation sites a lower tariff when they are customers.