



## Outstanding Community Benefits Fund in Cornwall

As part of a pioneering scheme, Cleaneart Energy Ltd are partnering with communities to develop renewable assets for truly mutual local benefit.

In one of the first projects of its kind, Cleaneart Energy, Community Power Cornwall and Mr and Mrs Hodge (the owners of Pengelly Farm) worked together in a joint wind energy venture to establish a legacy of social, environmental and economic benefits for the local area. The partnership has allowed locals to invest in clean energy, in addition to creating a substantial 20 year community benefit fund to support the local community more broadly.

The partnership – Pengelly CE Turbine Ltd – bought an EWT DW54-500kW turbine with 50 m hub height. It was installed in May 2014 and will generate enough electricity to power the equivalent of 360 homes each year.



## EWT Pengelly Farm Case Study



Pengelly CE Turbine Ltd enables its local community to tackle the collective threats of climate change, energy security and unpredictable rises in fossil fuel costs by generating clean, renewable energy locally. This also has the added benefit of reducing the community's carbon footprint. These ventures provide attractive and ethical investment opportunities which meet environmental, social and financial needs. The wider economic benefits can be directed into a community benefit fund.

Pengelly owns and operates the EWT wind turbine, which generates electricity for on-site use and sale into the national grid, to generate capital which can then be re-invested locally in renewable energy and to nurture the spread of community-owned renewable energy generation.

The community fund for 2015 benefited 19 regional and local causes, ranging from local scouts, sports, wildlife and social clubs to schools, music and the Cornwall Young Farmers association.



### Benefits to owner and the local community:

- The power output from the Pengelly turbine is 1.500 MWh per annum.
- The electricity generated is enough to power the equivalent of 360 average UK households; or equivalent of 261 Cornish households, as energy consumption is higher in the Duchy.
- Between 560-1340 tonnes of CO<sub>2</sub> are saved by the Pengelly turbine per annum, compared against gas or coal fired power stations.
- Any surplus electricity is sold to the national grid providing greater benefit to the community group.
- The community benefit fund provides £10,000 every year for local groups and causes, and will continue to do so for at least 20 years.
- Potentially, the community group (Community Power Cornwall) have the option to take up an ownership share of up to 25%, thereby providing them with even more benefits.

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