



cleanearth

THE ENERGY TO DELIVER

**WIND, SOLAR
AND BIOMASS
LANDOWNERS**

THE ENERGY TO DELIVER.

CleanEarth are leading wind turbine, solar power and biomass specialists. We operate nationally, with a base in Cornwall - an acknowledged centre for UK renewable energy.

Our specialists in solar PV, wind and biomass technology will only propose the solution which is right for you.

CLEANEARTH'S EXPERIENCED, IN-HOUSE TEAM SPEND TIME TO UNDERSTAND YOU AND YOUR REQUIREMENTS AND WILL ONLY THEN MAKE RECOMMENDATIONS. We look after every step of the process, from initial enquiry through to planning and installation, as well as the on-going maintenance of your system, giving you a seamless process at every stage.

No two projects are the same and our can-do approach, in-depth knowledge and enthusiasm for the job ensures we are able to deliver what our customers need, to plan and on time.

We have a proven track record of delivering cost saving, clean energy to a variety of customers.

KEY FACTS

- We have designed and installed over 25MWp of renewable energy systems
- We have completed over 450 projects
- Our installations generate enough energy to power 6,796 homes*
- Our installations will reduce CO² emissions by 337,739 tonnes over the next 20 years

*based on home consumption of 4077.40kWh pa

CleanEarth solar installation at Treswarrow Farm
(see page 8 for more information)

EARN FROM YOUR LAND

We understand the opportunities that renewable energy technologies can offer to agricultural and commercial landowners alike. In light of rising energy costs and climate change, the need for a robust, low carbon energy alternative has never been greater.

We have advised hundreds of landowners on the best way to make the most of their land or buildings.

Installing solar panels, a wind turbine or a biomass boiler can provide energy savings, generate income and reduce carbon emissions.

CleanEarth are the natural choice for any landowner considering renewable energy.

FINANCIAL BENEFITS.

- **SAVE MONEY** on your electricity - We can install your renewable energy system for **FREE**, with **NO CAPITAL INVESTMENT** from you - you can buy the electricity you need from CleanEarth at a price below the grid supply cost (typically saving 50-60% on unit energy costs)
- **GENERATE INCOME**
Export power - if you pay for your installation, you can **SELL ANY ELECTRICITY** you do not use back to the grid. If you have tenants, they can also benefit from your renewable energy system

Tariff income - renewable energy systems are also **ELIGIBLE FOR GOVERNMENT TARIFFS** - the Feed in Tariff (FiT) for wind and solar, Renewable Obligation Certificate Scheme (ROCS) for solar, and the Renewable Heat Incentive (RHI) scheme for biomass boilers

Land lease - CleanEarth may lease your land for a wind turbine or solar array, **GUARANTEEING AN INCOME** for you

- We find solutions that work for all parties - we can provide the **TECHNOLOGIES AND FLEXIBLE FINANCE OPTIONS** - from fully financed to purchased - that work best for you
- We manage all aspects of **COMMISSIONING** and **ACCREDITATION**
- CleanEarth **GUARANTEE** and warrant **EVERY SYSTEM WE INSTALL** to give you peace of mind



CleanEarth roof mounted solar installation at Heanton Barton dairy farm (visit cleaneartenergy.com for more)

ENVIRONMENTAL BENEFITS.

- Renewable energy systems generate power from **SUSTAINABLE**, natural sources of energy
- This reduces reliance on fossil fuels and consequently **REDUCES CO² EMISSIONS**, which harm the environment
- Wind turbines and solar panels recover their **CARBON DEBT** from the manufacturing process within a few years of their installation - solar panels within 2 years and wind turbines within 3-4 years
- Using a renewable energy system improves your **GREEN CREDENTIALS**
- The systems we have installed to date will reduce CO² emissions by over **340,000 TONNES** over the next 20 years
- Using renewable energy poses **NO RISK TO LIVESTOCK OR CROPS**



CleanEarth 500kWp turbine installation at Pengelly Farm (see page 7 for more information)

DID YOU KNOW?

An amendment to The Energy Act 2011 will mean it will become unlawful from April 2018 to let premises that fail to meet minimum energy efficiency standards - currently it is estimated that around 20% of non-domestic buildings could fail to meet this standard.

HOW CAN CLEANEARTH HELP?

We could improve your premises' energy rating with one of our renewable energy systems at no cost to you.

CUSTOMER JOURNEY.



All the lads were extremely efficient and tidy throughout the course of the job and were not of any inconvenience.

I was most impressed by the site team's technical ability and in-depth knowledge.

*Peter Stenlake,
Stenlakes Waste and Water*

WIND ENERGY.

Installing a wind turbine offers **long-term income** with no risk or cost to landowners.

CleanEarth can manage the entire project from planning through to installation and ongoing maintenance, and you will receive an income from the power generated.

We undertake detailed site studies and surveys to provide you with the

reassurance that a wind turbine is the best solution for your site - we consider everything from wind speed to grid connection and planning.

Wind turbines are becoming the system of choice for landowners looking to diversify.



From day one to completion the CleanEarth team were both very professional and knowledgeable. They kept us well informed and worked tirelessly to keep things moving through planning and dealt with all the challenges that came along in the most positive way. I look forward to working with them both now and in the future.

*Adrian Finnimore,
Papillion Wind Turbine*



SYSTEM SIZE	ANNUAL OUTPUT	HOMES POWERED	ANNUAL CO ² SAVINGS
500kWp	1,600,000kWh	360 PA	47 tonnes



Learn about this case study and more at cleaneartenergy.com

CASE STUDY PENGELLY FARM AT A GLANCE



A 500KW WIND TURBINE OPERATING WITH AN AVERAGE WIND SPEED OF 7 METRES / SECOND WOULD EARN **£35,000 PER YEAR** FOR THE LANDOWNER AT THE CURRENT TARIFF*.



TRISTAN GRIMES TECHNICAL DIRECTOR, CLEANEARTH

CleanEarth wind turbine installation at Cornwall's Crealy Adventure Park (see cleaneartenergy.com for more)

	CAPITAL INVESTMENT	LAND RENTAL	OTHER COSTS	ELECTRICITY SAVINGS	SUPPORT
LAND LEASE	ZERO	8-10% OF TURBINE GROSS INCOME	ZERO	OPPORTUNITY TO BUY THE ELECTRICITY GENERATED BELOW MARKET PRICE	CLEANEARTH REMOTELY MONITOR, OPERATE AND MAINTAIN THE TURBINE FOR THE DURATION OF THE PROJECT (Typically 25 years)

SOLAR ENERGY.

Solar power is a clean, flexible way to **generate energy on your land or buildings.**

Solar panels can be roof mounted - to utilise building roof space - or ground mounted.

We consider the aspects of your land or roofs, assess your energy consumption data and recommend the best solar array for your situation.

CleanEarth have a successful track record for installing solar PV - even on the most complicated building profiles or landscapes. Our comprehensive and proactive approach means we can overcome barriers to deliver projects with no fuss or risks for you.

As a farmer, I am always looking at different ways to improve the business and as soon as we received the report from CleanEarth, it was clear Solar PV was an excellent investment. ...Since commissioning in 2012, the system has performed without fault and continues to exceed its forecasted output.

James Menhinick, Burniere Farm

CleanEarth solar installation at Treswarrow Farm

SYSTEM SIZE	ANNUAL OUTPUT	HOMES POWERED	ANNUAL CO ² SAVINGS
6.5MWp	6,800,000kWh	1,622 PA	2,929 tonnes

GROUND MOUNTED SOLAR PV CASE STUDY TRESWARROW FARM AT A GLANCE



Learn about this case study and more at cleaneartenergy.com



FOR ANY GIVEN SITUATION, CLEAN EARTH WILL COMPLETE A COMPREHENSIVE **NO OBLIGATION** FEASIBILITY ANALYSIS

JOSH BOWER OPERATIONS DIRECTOR, CLEAN EARTH



	CAPITAL INVESTMENT	INCOME FOR YOU	OTHER COSTS	SOLAR ELECTRICITY	ONGOING SUPPORT
PURCHASED BY LANDOWNER	YES	FEED IN TARIFF PLUS EXPORT INCOME	LIMITED TO PLANNING COSTS IF NECESSARY	FREE ELECTRICITY GENERATED FOR THE LIFETIME OF THE SYSTEM ¹	10 YEAR WORKMANSHIP WARRANTY OPTIONAL O&M PROGRAMME
FULLY FINANCED ROOF-MOUNTED SYSTEM	ZERO	NO ²	NO COST OR RISK TO YOU WE WILL BE RESPONSIBLE FOR PLANNING AND IMPLEMENTING, AND WE PAY YOUR SOLICITOR FEES	OPPORTUNITY TO BUY THE ELECTRICITY GENERATED BELOW MARKET PRICE ³	WE GUARANTEE THE SYSTEM FOR 25 YEARS AND MAINTAIN THE SYSTEM
FULLY FINANCED STAND-ALONE GROUND MOUNTED SYSTEM	ZERO	RENTAL INCOME FOR YOUR LAND	NO COST OR RISK TO YOU WE WILL BE RESPONSIBLE FOR PLANNING AND IMPLEMENTING, AND WE PAY YOUR SOLICITOR FEES	NO	WE GUARANTEE THE SYSTEM FOR 25 YEARS AND MAINTAIN THE SYSTEM

¹only pay for additional usage; ²only considered for roofs 500KW+; ³generated for the lifetime of the system typically 50% less than grid price - only pay for additional electricity you need from the grid

BIOMASS ENERGY.

Using wood instead of gas or oil - biomass boilers offer landowners a **low cost, renewable source of heat** for their buildings.

Biomass boilers come in a range of sizes and offer a broad range of heating solutions. Even if you have a large or unusual space to heat we have the ability to tailor a heating system to meet your

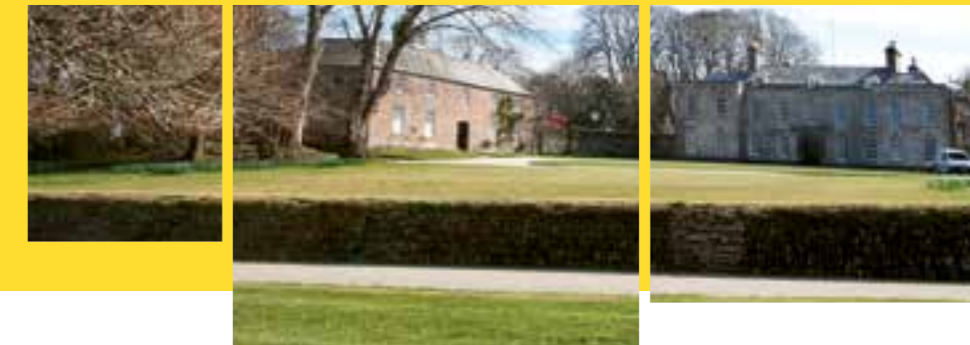
needs. We can build bespoke boiler houses for the fuel storage and biomass system for customers to ensure they have the best facilities on site.

SYSTEM SIZE	ANNUAL OUTPUT	FUEL CONSUMPTION	ANNUAL CO ² SAVINGS
199kW	276,000 kWh	90 tonnes/360m ³	84 tonnes

BIOMASS - REPLACING 3 OIL BOILERS AND ELECTRIC HEATERS

CASE STUDY TREWITHEN HOUSE AT A GLANCE

Learn about this case study and more at cleaneartenergy.com



Set against the rising and unpredictable price of oil, investing in biomass made complete economic and environmental sense.

The installation will pay for itself within three to four years and since the cost of heating has been halved, we will be able to heat the buildings more generously through the winter months...

I was very satisfied with the quality of the installation and the team were extremely helpful from start to finish.

Mike Willis,
Woodsaws Farm Holiday Cottages

	CAPITAL INVESTMENT	RENEWABLE HEAT INCENTIVE (RHI)	SAVINGS FOR YOU	ONGOING SUPPORT
PURCHASED	YES	YES	ECONOMICAL, LOW-CARBON FUEL	SERVICE AND MAINTENANCE CONTRACT AVAILABLE
FULLY FINANCED	NO	NO	ECONOMICAL, LOW-CARBON FUEL	WE MAINTAIN THE BOILER FREE SERVICING FOR THE LENGTH OF THE TARIFF

The Hodge family of Pengelly Farm



CleanEarth is passionate about supporting the local communities within which we operate. Landowners or parish councils involved in large scale projects have the option to choose appropriate local beneficiaries – to whom substantial community contributions are directed.

CleanEarth has already donated significant funds to local parishes and schools, and we have committed **£140,000 PER YEAR** to community causes for the next 20 years.

This community ethos not only supports local residents close to our energy system installations, but also gives our team a sense of pride and satisfaction that they are giving back to the communities we serve.

A large graphic consisting of a dark blue 'C' with a white 'e' inside it, positioned above the company name.

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THE ENERGY TO DELIVER

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