

Carbon Offsetting Projects for WSP

Options for 2018

1. Community Projects

For every £7.50 contributed: 1 tonne of CO₂e will be saved through the Community Projects

Carbon Footprint Ltd supports a variety of CER and Gold Standard VER offset projects around the world which also supply additional community benefits to the local communities they support. These projects are fully verified to Kyoto / United Nations (UN) standards and are great for individuals wanting to go further with their carbon offsetting. Projects currently being supported include:

Efficient Cookstove Project Kenya



- Type: Household Cookstoves
- Location: Kenya, Africa
- Standard: CER
- Reference: CDM 5336
- Est. Reductions: 17,970 tCO₂e per year

More than 80% of Kenyan households rely on biomass (e.g. wood & charcoal) for energy; it is mainly used for cooking and occasionally for space and water heating. Wood and charcoal are obtained almost exclusively from the forest (90%), which is a key driver of deforestation in Kenya. The impact of deforestation is widespread, affecting the livelihoods of local people, mainly the rural poor, where it disrupts important environmental functions, such as water and soil nutrient retention.

In Kenya, cooking is traditionally carried out indoors on thermally inefficient 3-stone fires, which results in incomplete combustion and the production of large amounts of smoke and indoor air pollution. This has been linked to a range of health problems such as acute respiratory infections (ARI) in children, chronic obstructive lung diseases (such as chronic bronchitis and asthma), lung cancer and neonatal complications. The Cookstoves are distributed at no cost to the stove owners, who live in rural areas with considerable levels of poverty and would otherwise be unable to afford them.

Borehole Project, Uganda



- Type: Clean Drinking Water
- Location: Uganda, Africa
- Standard: Gold Standard VER
- Reference: GS 1247
- Est. Reductions: 8,758 tCO₂e per year

The Borehole project is a micro project, providing a source of clean drinking water to a local community in North Region of Uganda, within the Districts of Alebtong, Kole and Dokolo where approximately 60% of the people in the Districts do not have access to clean water.

For many rural communities across Sub-Saharan Africa the struggle to find drinking water can take a major part of a family's resource. The burden mostly falls to women and children to collect water, often walking great distances. The water drawn from pools or rivers is often contaminated with pollutants and potentially lethal bacteria that cause illness and infections. To make the water palatable and safe to drink it needs to be boiled. The project works with local communities to identify and repair the many broken boreholes in Uganda. As well as the health benefits it means that families no longer have to boil the water, saving firewood and thereby preventing carbon emissions from being released.

Improved Cookstoves for Social Impact, Uganda



- Type: Household Cookstoves
- Location: Uganda, Africa
- Standard: Gold Standard VER
- Reference: GS 447
- Est. Reductions: 85,615 tCO₂e per year

One of the main causes of forest degradation in Uganda is the use of wood fuels for domestic and institutional cooking. More than 95% of Ugandans rely on solid fuels for cooking, typically charcoal or wood on metal charcoal stoves or three-stone wood fires.

The project reduces green-house emissions by distributing more fuel-efficient charcoal stove which reduce fuel consumption by the introduction of an insulated combustion chamber which increases combustion efficiency and retains heat. These stoves significantly reduce greenhouse gas emissions and also provide co-benefits to users and families in the form of relief from high fuel costs and reduced exposure to health-damaging airborne pollutants.

2. Global Portfolio

For every £5.00 contributed: 1 tonne of CO₂e will be saved through this Global Portfolio of Projects

Carbon Footprint Ltd supports a variety of clean / renewable energy offset projects around the world. All carbon offset projects in the Clean Energy Portfolio are verified against the Verified Carbon Standard (VCS) or Gold Standard VER. Projects currently being supported include:

Wind Based Power Generation By Panama Wind Energy

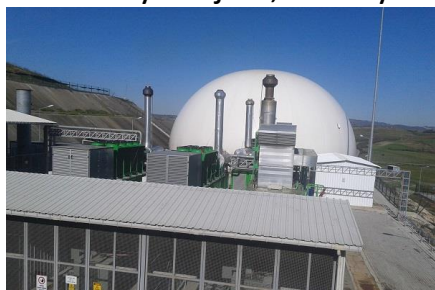


- Type: Wind Power
- Location: India, Asia
- Standard: VCS
- Reference: VCS 1523
- Est. Reductions: 136,936 tCO₂e per year

This project generates power using a renewable energy source (wind) and sells the power generated to the state grid.

The project activity involves the installation and maintenance of Wind Turbines. The total installed capacity of the project is 80 MW; which involves operation of 40 Wind Turbine Generators (WTGs), each with a capacity of 2 MW. The project is promoted by Panama Wind Energy Godawari Private Limited and located at Maharashtra state in India.

Kocaeli Landfill Gas to Electricity Project, Turkey



- Type: Landfill Gas to electricity
- Location: Turkey, Europe
- Standard: Gold standard VER
- Reference: GS 1013
- Est. Reductions: 701,347 tCO₂e per year

The Kocaeli landfill gas (LFG) Project consists of the collection and utilisation of LFG from Solaklar Landfill Area in the Kocaeli Province for use in gas engines. The project supports approximately 2MW of installed capacity.

Landfill gas is one of the largest sources of methane, a greenhouse gas more potent than carbon dioxide which would otherwise be released from the landfill site. By capturing this landfill gas and using it to produce electricity, the methane and carbon dioxide contained within are destroyed, reducing the emissions released and air quality is improved. The electricity generated is fed to the national grid, and replaces electricity which would otherwise be generated by fossil fuel fed power plants, resulting in further emission reductions.

Bundled Solar Power Project, India



- Type: Solar Power
- Location: India, Asia
- Standard: VCS
- Reference: VCS 1670
- Est. Reductions: 93,022 tCO₂e per year

The project activity generates electricity using solar energy. The generated electricity is exported to the regional grid system.

Since, the solar power is renewable and therefore Green House Gas (GHG) emissions free, the power generated will displace anthropogenic emissions of greenhouse gases that would otherwise be produced by the equivalent amount electricity from the mainly fossil fuel based generation mix of the Indian grid. The project is estimated to generate 95,145 MW/year of electricity, therefore causing a reduction of 93,022 tonnes of CO₂e per year.

3. Reforestation in Kenya, The Great Rift Valley

For every £9 contributed: 1 tree will be planted in the Kenya, and 1 tonne of CO₂e will be saved in the Amazon Rainforest.

This project is a partnership with Kenya's Escarpment Environment Conservation Network (ESCONET), geared towards sustainable rehabilitation and management of the natural forest ecosystem. When you choose this project, you will be helping to plant trees, provide education on sustainable land management skills and provide work to local communities. In this way this project provides environmental benefits to reduce CO₂ emissions and also valuable socio-economic benefits.



Plant a Tree - Protect a Tree

For every tree pledged, a tonne of carbon will also be saved in the Brazilian Amazon via our VCS avoided deforestation programme. In this way, you will be offsetting carbon, planting and protecting forests and biodiversity across 2 continents.

ESCONET, started in October 2004, with the aim of being a leading Community-Based Organisation, mitigating against environmental degradation through rehabilitation and conservation of the natural ecosystems in the Great Rift Valley area, Kenya.

Over the past few years, the escarpment was virtually depleted by human effects / poor land management causing loss of forest vegetation cover leading to drying of springs / rivers / streams, soil erosion and emigration of wildlife/birds. The objective of the Carbon Footprint - ESCONET project is to reverse this. Over the last ten years, more than 150,000 new trees have already been planted.

The Carbon Footprint - ESCONET project provides substantial socio-economic benefits to disadvantaged communities; helping to reduce poverty, providing wildlife habitats and creating a brighter future.

4. UK Tree Planting

For every £12 contributed: 1 tree will be planted in the UK, and 1 tonne of CO₂e will be saved in the Amazon Rainforest.

Its objective is to plant native broad leaf trees in most needy locations, helping to reduce climate change, supporting biodiversity and creating space for wildlife. Already the number of trees planted runs into 100,000s.

The project makes plantings that are wholly additional to the UK's existing forestation targets and is active in every region of mainland UK and Northern Ireland.

Trees are able to offset carbon emissions by sequestering carbon dioxide from the atmosphere and effectively act as 'carbon sinks'; this is achieved naturally as part of the photosynthesis process.



Plant a Tree - Protect a Tree

For every tree pledged, a tonne of carbon will also be saved in the Brazilian Amazon via our VCS avoided deforestation programme. In this way, you will be offsetting carbon, planting and protecting forests and biodiversity across 2 continents.

These native broad-leaved trees will be found homes where they are most needed; supplementing hedgerows, woodlands and nature reserves; parks and farmland. With the vast majority of the trees being planted in school grounds helping to educate and raise awareness among pupils.

For more information contact:

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