

Carbon Offsetting Projects for WSP

Options for 2021

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 Gold Standard VER and verified Carbon Standard offset projects around the world which also supply additional community benefits to the local communities they support. These projects are independently verified and are great for individuals wanting to go further with their carbon offsetting. Projects currently being supported include:

Fuel Efficient Stoves For North Darfur Women



- Type: Efficient Cookstove
- Location: Sudan, Africa
- Standard: Gold Standard
- Reference: GS 2896
- Est. Reductions: 7,500 tCO₂e per year

During the last four decades Greater Darfur was severely hit by repetitive droughts and famines. These environmental incidents have caused massive population movements from the north to the south, within the State, and to other parts of the country, mainly central Sudan. The successive droughts and desertification have created unstable living conditions in the region. Furthermore, about one half of the total population of Darfur, or 3.45 million people, have been directly affected by the conflict that started in 2003, through violence, displacement and degraded livelihoods.

The project replaces 3 stone fires with EzyStove® facilitating 40% in wood savings. The stove also reduces smoke particles that are harmful to the eyes and lungs by 70% as well as promotes other socio-economic benefits.

Working across 10 villages within two localities, the project alleviates poverty through savings in time and money, advances gender equality by providing managerial capacity development to women and reduces greenhouse gas emissions associated with burning non-renewable biomass in a resource-deprived region.

This cooperative project between the funding partners, the Women Development Association Network (the implementing entity) and the UN World Food Programme (the technical advisor), is the first of its kind in Sudan.

Heqing Solar Cooker Project



- Type: Household Solar Cooker
- Location: China
- Standard: VCS
- Reference: VCS 1859 & 1860
- Est. Reductions: 143,762 tCO₂e per year

“Heqing Solar Cooker Project” is located on the rural area of Zhangye, Gansu province in northwestern China, where Coal is overwhelmingly the main energy source for rural residents in this region. The proposed project will enable the rural residents to efficiently substitute solar energy for the fossil fuel (coal) used in daily cooking and water boiling, avoiding CO₂ emission that would be generated by fossil fuel consumption.

The rural area in Zhangye is an underdeveloped region and an ideal region for utilizing solar energy. Located at high altitude, this region has many sunny days. It is one of the most suitable regions in China for utilizing solar energy.

Each participating household pays a small part towards the solar cooker costs, with the majority of the funding coming from carbon finance (individuals and organisations offsetting their emissions). This project demonstrates how carbon finance can be the primary source of funding GHG emission mitigation projects and can directly contribute to sustainable development for the benefit of local communities.

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). Projects currently being supported include:

K.R. One in Thailand



- Type: Wind Power
- Location: Thailand
- Standard: VCS
- Reference: VCS 2001
- Est. Reductions: 148,089 tCO₂e per year

The project generates clean electricity with utilization of wind energy. The project consists of 30 Wind Turbine Generators (WTGs) of 3.0 MW capacities each. The project WTGs are installed in the Nongwang sub district of Thepharak district Nakhonratchasima Province in Thailand.

The electricity generated by the project is exported to the Thailand National grid. Since wind power produces zero carbon emissions, the power generated will prevent the anthropogenic gas emissions generated by the dominant fossil fuel based thermal power stations comprising coal, natural gas, diesel, and bunker oil.

The estimation of Greenhouse Gas (GHG) reductions by this project is limited to carbon dioxide (CO₂) only. Thus the project activity leads to an emission reduction of 148,089 tCO₂ per year or 1,480,890 tCO₂ for the chosen crediting period of 10 years.

ACME Solar Power Project, India



- Type: Solar Power
- Location: India, Asia
- Standard: VCS
- Reference: VCS 1580
- Est. Reductions: 730,457 tCO₂e per year

The implementation of this project ensures energy security, diversification of the grid generation mix and sustainable growth of the electricity generation sector in India.

This project supports the installation of solar PV cells and associated infrastructure across India. 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.

In addition to providing clean affordable energy for local communities the project is also helping to provide additional social, economic and health benefits to local communities.

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:

John Buckley
Carbon Footprint Ltd
john.buckley@carbonfootprint.com
01256 592087