



Green Circle
Solutions



Helping little stars shine bright

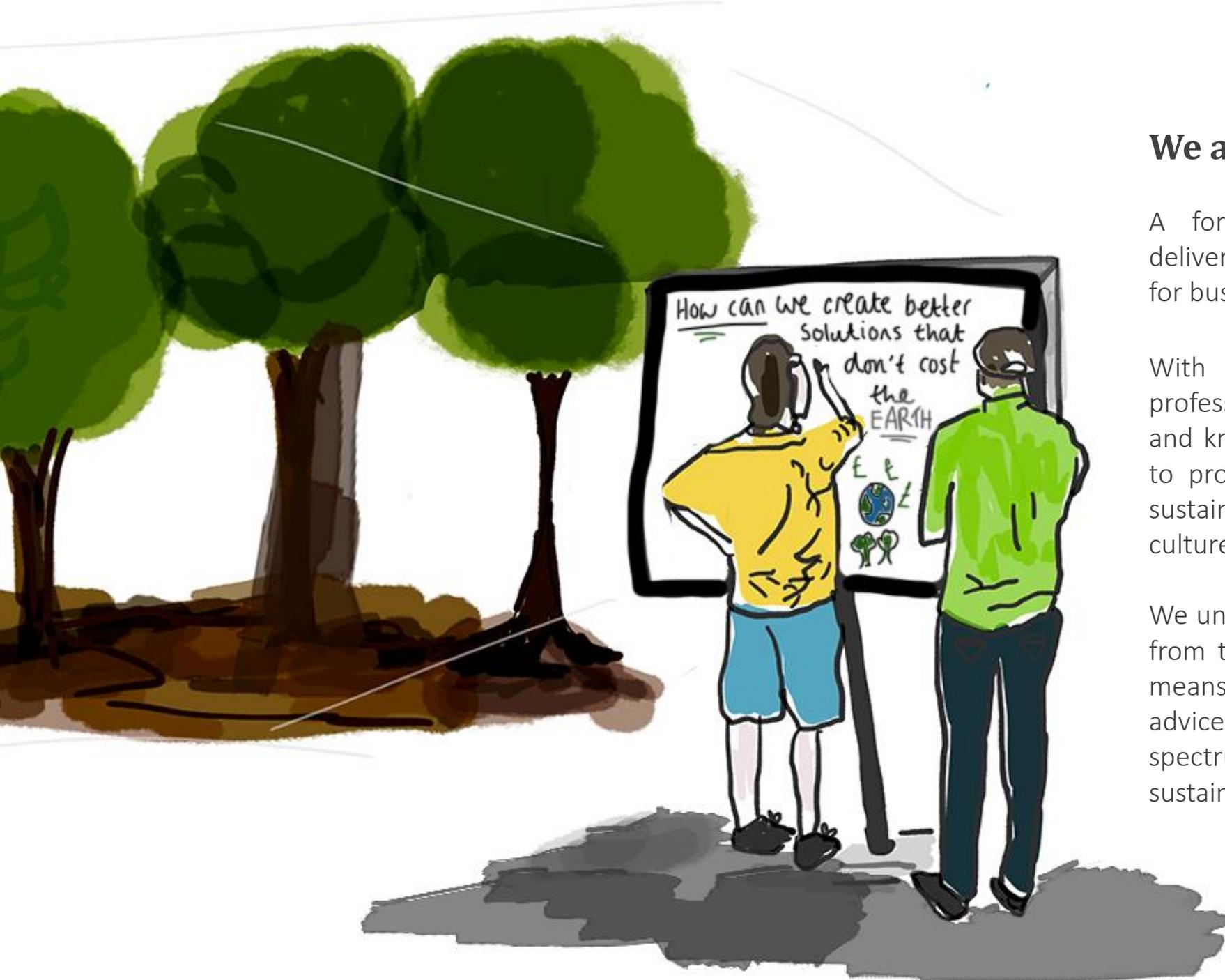
BOPARAN CHARITY GALA DINNER EVENT

2022 CARBON FOOTPRINT

Client: Boparan
Date: October 2022

LEAVE NO TRACE.

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We are Green Circle Solutions.

A forward thinking company striving to deliver sustainability solutions and excellence for businesses.

With a team of qualified sustainability professionals, having decades of experience and knowledge in multiple industries, we aim to provide an innovative service that builds sustainability into the heart of business culture.

We understand that every business is different from the next, and our out the box thinking means we offer simple, easy to understand advice, honest consultancy and a broad spectrum of services to support you on your sustainability journey.

Introduction

This report has been prepared by Green Circle Solutions (GCS) on behalf of **The Boparan Charitable Trust**, a charity created with the sole aim of improving young peoples lives. They provide funding to children with disabilities, life-limiting illnesses and those in extreme poverty across the UK. Their grants help fund specialist equipment such as wheelchairs, trikes, sensory toys not available on the NHS, and treatments such as Speech and Language Therapy. Since opening their doors in 2009, the **Boparan Charitable Trust** has helped **75,000 children and their families, distributed over £5,406,720 in funding and supported over 25 community projects.**

Every year the trust hold a fund raising gala dinner event, but understand that any such event inevitably creates an environmental impact. For the 2022 gala dinner event, Boparan have asked Green Circle Solutions to calculate the carbon footprint and to review opportunities and solutions by which to offset that footprint.

This report includes a carbon footprint calculation for the gala dinner event held at The JW Marriott Hotel Grosvenor House London, on 19 November 2022. It identifies the key areas of CO2e footprint and environmental impact. Based on the CO2e footprint results, various observations around the event and its impact are noted, along with recommendations as to how changes could be made to future similar events in order to reduce their carbon footprint moving forward.

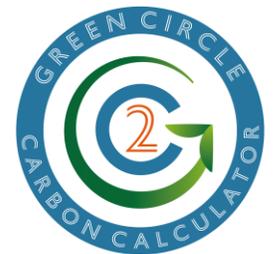
The CO2 calculation has been made using the bespoke Green Circle Carbon Calculator and all assumptions, boundaries and input data measurement context is provided in the following pages.

To help set further context, opportunities and costs are provided for offsetting the business Carbon Footprint.

Green Circle Solutions is an independent consultancy offering professional advice around sustainability and sustainable business strategies.

IEMA

Transforming the world
to sustainability



Green Circle Carbon Calculator - GCCC

The Green Circle Carbon Calculator draws on the most up to date DEFRA UK conversion factors and the internationally recognised Bath University Inventory of Carbon and Energy (ICE) to give consistency with UK Streamlined Energy and Carbon Reporting Regulations (SECR). Other ancillary calculator emissions factors are also used if appropriate, and these are acknowledged in the detailed calculation pages, available if requested.

By accessing the UK's 2 most credible data bases this bespoke calculator facilitates customised calculations to cover all relevant impact streams within the defined impact boundaries.

Where other calculators acknowledge the larger footprint drivers, the GCCC can work in granular detail to facilitate highly focussed mitigation and reduction strategies. Whilst collecting the low hanging fruit at the earliest opportunity, this more focussed level of detail will allow businesses to drive more objective and sustainable solutions for their clients.



This report identifies and measures carbon scopes 1,2 and 3 in line with Green House Gas Protocol (GHP) guidelines. The input data streams are generally grouped under the following primary headings with boundary notes also added below:

- Energy Utilities – not available from venue but generally assumed to be included in the “hotel nights” calculation
- Transport and Logistics – relating to the AV crew involved with event activation
- Staff – travel and board. To and from event only
- Guest travel and board. To and from event only, including 1 night hotel where declared.
- Materials and consumables – minimal single use items with minimal impact
- Entertainment – return travel and board associated with the entertainment acts, assumed to be 1 night.
- Waste – minimal, other than food waste. Managed by the hotel and assumed included in “hotel nights” calculation

Carbon Footprint - Calculation 1

GREEN CIRCLE
CO₂ CALCULATOR

Carbon Footprint Results Schedule

Client/Project Boparan Gala Dinner

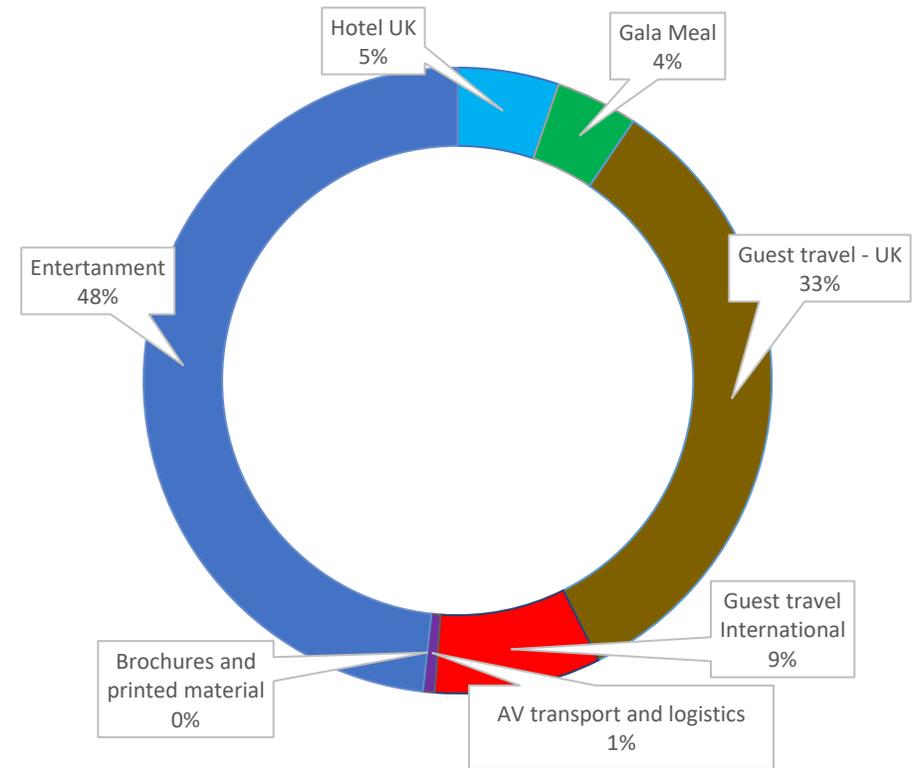
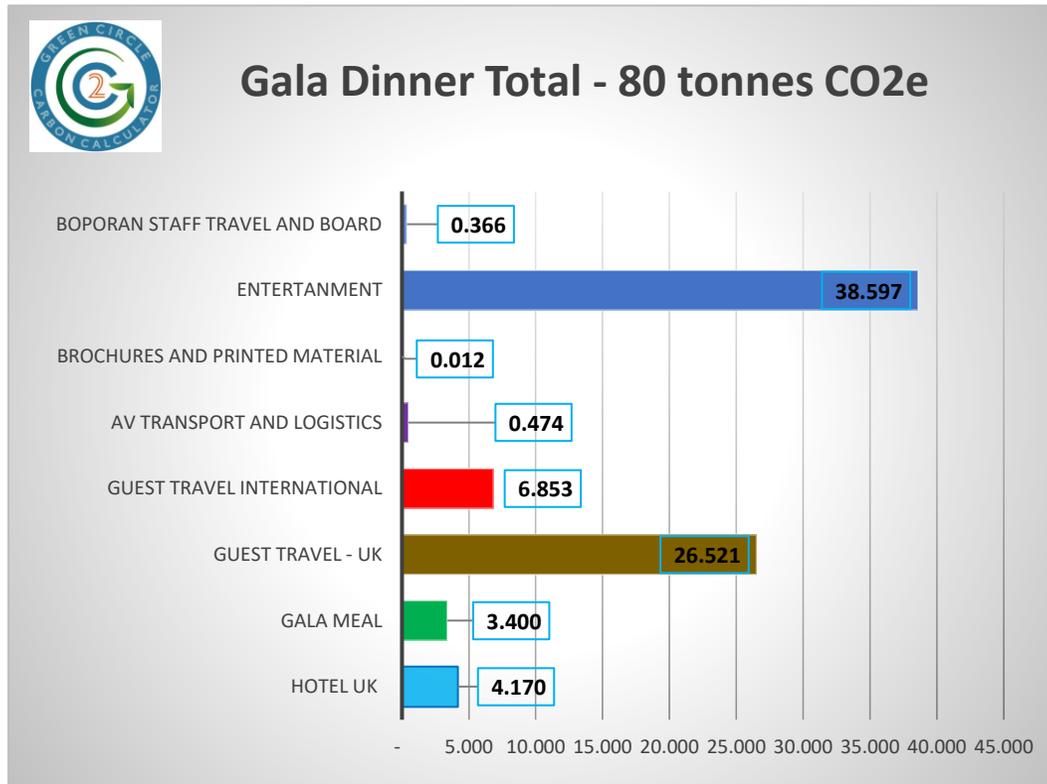
Calculation Period Nov-22

Calculation V2 AJ 16.10.22



	Notes	Scope	Activity	Units	Activity Data Value	Emissions Factor kgCO ₂ e	Tonnes CO ₂ e	% of total	Sub Total tCO ₂ e
AV transport and logistics									
Freight - HGVs 1	1 x HGV	1	HGV size All HGVs	how laden 50% Laden	units miles	240	1.055	0.253	0.32%
Crew travel	2 cars total 480 miles, assume petrol	1	Car Type Petrol	Car Size Large car	miles	480	0.449	0.216	0.27%
Crew Tube travel	20 local crew - tube say 10 miles each way	1	London Underground		passenger miles	200	0.028	0.006	0.01%
									0.474
Boporan Staff transport and logistics									
Staff travel diesel - 233 miles	Assume 1 diesel vehicle.	1	Car Type Diesel	Car Size Medium car	Units miles	233	0.265	0.062	0.08%
Staff travel petrol - 466 miles	Assume 2 petrol vehicles.	2	Petrol	Medium car	miles	466	0.302	0.141	0.18%
Staff train travel	2 journeys (400 miles = 643KM)	2	National rail		passenger km	643	0.035	0.023	0.03%
Staff Taxi	Assume 4 x taxis for pick up and drop off at 10 miles each	4			miles	40	0.035	0.001	0.00%
Staff Hotel UK	10 x rooms for the Boporan staff	3			pax nights	10	13.900	0.139	0.17%
									0.366
Guest travel and Board									
Outside London									
Guest Travel diesel - 100 miles	300 pax as couples by car from "midlands or closer". Assume 100 miles each way. Assume half petrol, half diesel. So, 75 of each car type.	1	Car Type Diesel	Car Size Large car	Units miles	15,000	0.333	5.002	6.22%
Guest Travel petrol - 100 miles		1	Petrol	Large car	miles	15,000	0.449	6.737	8.38%
Guest Travel diesel - 200 miles	150 pax as couples by car from "further north". Assume 200 miles each way. Assume half petrol, half diesel. So, 38 and 37 of each car type.	1	Car Type Diesel	Car Size Large car	Units miles	15,200	0.333	5.069	6.31%
Guest Travel petrol - 200 miles		1	Petrol	Large car	miles	14,800	0.449	6.647	8.27%
Train travel	100 pax from midlands or closer (assume 160km per journey)	1	National rail		passenger km	32,000	0.035	1.136	1.41%
Train travel	50 pax from further north (assume 320 km per journey)	1	National rail		passenger km	32,000	0.035	1.136	1.41%
Guest Travel taxi (outside London)	Assume 50 Taxi journeys, some couples and some singletons. Assume 10 miles each way	1			miles	1,000	0.306	0.306	0.38%
Guest Travel tube (outside London)	75 Pax from outside London - tube say 10 miles (16km) each way	1	London Underground		passenger km	2,400	0.028	0.067	0.08%
									26.100

Carbon Footprint Results

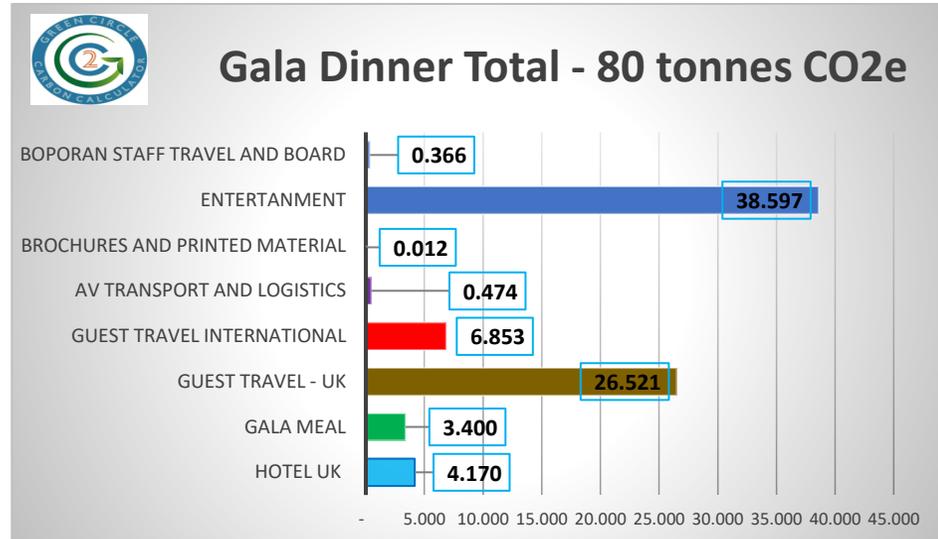


Observations - General

There are clearly 2 main drivers in the final figure of 80 tonnes of CO2e carbon footprint. These are:

- **Entertainment.** By far, the greatest single element of the total figure is down to travel of the entertainment acts. This accounts for some 47% of the overall event carbon footprint. However it must be said that Act 3's travel by coach is commendable!
- **Guest travel.** This is of course no surprise but it is interesting to compare the domestic and international elements with a small number of people coming by air making a comparatively larger impact.

The other line items are relatively small contributors but the hotel nights and the gala dinner meal itself both are notable.



Recommendations

In identifying the carbon footprint of the gala dinner, nothing should be taken away from the objective and outcome of the event itself, which raises a huge sum for charity and the betterment of disadvantaged young people in the UK, which of itself is highly commendable and incredibly sustainable !

If carbon reductions are to be considered for future events then an obvious consideration is the home location of the entertainment acts. A greater emphasis on UK or even European based acts could make a significant reduction in travel emissions.

In identifying guest travel as a significant impact, a good proportion of people are already coming by train and live relatively locally. Those who are driving are typically sharing a car, but some communication around this at future events may encourage reductions. Perhaps consider some incentivisation of reduced impact travel options.

Communication about sustainability in association with the objectives of the event is always a good thing and a development of this years initiatives could include:

- tick box offset options for guests as they purchase tickets.
- “ plant a tree for every ticket purchased”.
- Highlight and recommend local hotels directly based on their sustainability record.
- Declare carbon calculations related to menu choices.
- Specifically offering a higher proportion of plant based menu options.
- Be open to communicate about food waste management which may influence portion control and available quantities.



Carbon Offsetting Factsheet

What is Carbon Offsetting?

As you make efforts to reduce your own carbon footprint you will realise that some results can be achieved through simple changes to business practices, but other changes will require investment and time before CO2 reductions can be achieved, and even then you will still be left with a residual carbon footprint. Carbon offsetting funds solutions to reduce carbon emissions now. Frequently, carbon offsetting reduces emissions much faster than you can as an individual/single company, and as this is a global issue, offsetting can play an objective and tangible part of your business' contribution to combat climate change.

A Carbon Offset is a way to compensate for your own emissions by funding an equivalent carbon dioxide saving elsewhere. Our everyday actions at home and at work such as driving, flying and heating buildings consume energy and produce carbon emissions. Carbon offsetting is used to balance out these emissions by helping to pay for emission savings via other projects both in the UK and in other parts of the world.

Many carbon offsetting projects also provide wider benefits in addition to carbon reduction, such as biodiversity, education, jobs, food security and health & well-being

Is offsetting the solution to climate change?

Offsetting provides a mechanism to reduce greenhouse gas (GHG) emissions in a cost-effective manner. If done in isolation it is *not* the solution, but as part of your own business cycle of CO2 measurement and reduction, offsetting must play a vital role in the ongoing global battle to combat climate change.

Carbon Offsetting Factsheet

What is PAS 2060?

PAS 2060 is an internationally recognised, British Standards publication- a Publicly Available Specification (PAS), and it specifies the conditions that need to be met for a company/individual/project/event/government to make claims of carbon neutrality. The standard stipulates three types of validation of the achievement of neutrality: self validation, other party validation and third party independent validation. Other party validation occurs when the methodology and data has been audited and verified by an external organisation; third party independent validation occurs when it is verification is by an agent registered with the United Kingdom Accreditation Service (UKAS).

What is a Woodland Carbon Unit – WCUs and PIUs



A Woodland Carbon Unit (WCU) is a tonne of CO₂ that has been sequestered in a Woodland Carbon Code (WCC) verified woodland. It has been independently verified, is guaranteed to be there, and can be used by companies to report against UK-based emissions or to use in claims of carbon neutrality or Net Zero emissions. However, it is important to understand that there are very few mature WCUs available in the UK which is why PIUs are so important. A Pending Issuance Unit (PIU) is effectively a ‘promise to deliver’ a Woodland Carbon Unit in future, based on predicted sequestration. It can only be used to report against UK-based emissions once verified. However, it allows companies to plan to compensate for future UK-based emissions, or make credible CSR statements in support of woodland creation.

Verra or Verified Carbon Standard – VCS



The VCS Program is the world’s most widely used voluntary GHG program. Now renamed as Verra, over 1,600 certified VCS projects have collectively reduced or removed more than 500 million tonnes of carbon and other GHG emissions from the atmosphere. The VCS Program allows certified projects to turn their greenhouse gas (GHG) emission reductions and removals into tradable carbon credits. Since its launch in 2006, the VCS Program has grown into the world’s largest voluntary GHG program. VCS projects include dozens of technologies and measures which result in GHG emission reductions and removals, including renewable energy, forest and wetland conservation and restoration, transport efficiency improvements, and many others.

Green Circle Offset Portfolio

As noted there is a huge range of options available for offsetting.

We are very aware of the appeal to invest in local UK projects. This directly supports UK.Gov in reaching Net Zero 2050 targets, and you may even be able to take a walk in your own area of UK forest!

However, there is no escaping the fact that this is a global issue, and there are many international projects that can achieve the same volume of CO2 sequestration for a lower investment. And yet, despite solid certification and verification credentials, there may still be some concern about exactly where your money is being spent at the international level.

To address these concerns, *and* opportunities, **Green Circle Solutions** have developed our own **Offset Portfolio**. We will manage this for you over the course of an annual period and make investment into a combination of local *and* international projects. You will receive certificates and verification of the projects that have been invested in, demonstrating that your CO2e footprint is fully sequestered. In addition we will pro-actively engage in other sustainability initiatives on your behalf such as calling out big corporates on their practices, signature to appropriate petitions, and we will make ourselves available to you for sustainability advice throughout the year.

- Investment into verified UK and International carbon sequestration projects
- Use of internationally recognised verification logos to demonstrate Carbon Neutrality or to support claims for future Net Zero targets
- GCS will make pro-active engagement with wider sustainability initiatives such as questioning large corporate and UK.Gov practices, signature to relevant petitions, questioning suppliers eco labelling and much more
- In order to provide context for **Boparan**, to offset the business 2022 Carbon Footprint of 80 tonnes CO2e, with the **Green Circle Offset Portfolio** would cost around £1,750



Important Notice

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Report End



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